OFFICE OF PROCUREMENT
CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPUS
RFP NO.: 625-004
RFP CLOSING DATE AND TIME: SEPTEMBER 24, 2024 @ 2:00 PM

ADDENDUM #3
ISSUED: SEPTEMBER 20, 2024

PURPOSE OF ADDENDUM:

- **To change section 6.1 (Evaluation Overview) proposal evaluation weights to the following:**

  Technical Proposal: 30%
  Interview: 30%
  Price Proposal 40%

  All RFP references to 20% weight for interviews, shall be changed to 30%. In addition, all RFP references to 40% weight for technical proposal, shall be changed to 30%.

- To change Interview criteria and associated weights to the following:

Weight	Evaluation Criteria
10%	Attendance
18%	True Partner
54%	Technical Qualifications
18%	Communications and Coordination

- **To change section 6.3 (Interviews) paragraph 4, to the following:**

  The interview will be scheduled for 1 ½ hours in duration, with 5 minutes allocated for introductions and a brief overview by the College on project expectations; 80 minutes allocated for questions and answers, Offeror presentation, if offeror would like to present (up to 15 minutes of 80-minute allotment will allowed for presentation), and 5 minutes for the Offeror's concluding remarks. All interviews will be recorded to provide the evaluation committee an opportunity to review and assess each interview after all interviews have been completed. Interviewees acknowledge consent to video recording of the interview, unless prior written exception is provided.

All other specifications, terms and conditions remain unchanged.

Patrick Johnson, MBA, CPPB
Director of Procurement

OFFICE OF PROCUREMENT
CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPUS
RFP NO.: 625-004
RFP CLOSING DATE AND TIME: SEPTEMBER 24, 2024 @ 2:00 PM

ADDENDUM #3
ISSUED: SEPTEMBER 20, 2024

Please **sign** below to acknowledge receipt of this Addendum and return with the **Technical Proposal submission.**

Failure to return this Acknowledgement of Addendum may deem a proposal nonresponsive.

NOTE: ACKNOWLEDGEMENT OF RECEIPT OF RFP ADDENDA WILL NOT BE ACCEPTED BY FACSIMILE OR E-MAIL.

_____	_____
Company Name	Authorized Signature
_____	_____
Date	Printed/Typed Signature

OFFICE OF PROCUREMENT
CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPUS
RFP NO.: 625-004
RFP CLOSING DATE AND TIME: SEPTEMBER 24, 2024 @ 2:00 PM

ADDENDUM #2
ISSUED: SEPTEMBER 18, 2024

THE PURPOSE OF ADDENDUM IS TO PROVIDE ANSWERS TO THE REQUEST FOR CLARIFICATIONS.

NOTE: Similar requests for information that have been received from different Contractors have been grouped under a single addendum item where appropriate, with a single comprehensive answer provided.

Item 2-1 Question: The RFP states, "Concurrent with the construction activities for the library renovation, there will also be other construction projects taking place in the same building." Can you please elaborate on what types of projects this includes and whether the general contractor has already been awarded for these projects?

Answer: Construction for the MT roofing replacement project and MT building HVAC piping replacement project may take place concurrently with the Library Renovation. General Contractor has not been awarded for either project. Anticipated scope for the roof replacement project is to replace the 6th floor and the 3rd floor roofs, and the 1st floor and 3rd floor terrace IRMA roofs. Anticipated scope for piping replacement project is to replace pipes in poor condition for HVAC piping, Domestic HW, Sanitary, Storm Water, Sprinklers on the Ground and 4th through 6th floors.

Item 2-2 Question: Section 3 part 3.10 and 3.11 reference forms for the Key Supervisory Personnel, Working Relationships of CM at Risk Key Personnel, and Basis for Selection. Could you please confirm that we are to use our own format for these three specific items?

Answer: These forms are not provided in the RFP documents. If you cannot locate the college forms included/specified format in Section 4 of the RFP documents, please use your firm's own format for those technical submission required in Section 3.

Item 2-3 Question: Please advise if any part of the Macklin Tower building will be occupied during construction?

Answer: To be determined. This will be determined as the project progresses.

Item 2-4 Question: Please advise if the CM at Risk will be limited to a single point of access into the building and work area?

Answer: To be determined. This will be coordinated with the other contractors.

Item 2-5 Question: Please advise if Parking Lot #9 (or a portion of parking lot #9) will be available for construction staging?

Answer: Construction staging will be provided on Campus. Specific location to be coordinated with Campus Facilities at the start of construction.

MONTGOMERY COLLEGE

OFFICE OF PROCUREMENT
CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPUS
RFP NO.: 625-004
RFP CLOSING DATE AND TIME: SEPTEMBER 24, 2024 @ 2:00 PM

ADDENDUM #2
ISSUED: SEPTEMBER 18, 2024

Item 2-6 Question: Please advise if the College will provide us with an area of the site for material staging/ storage?

Answer: Yes.

Item 2-7 Question: Please advise if the CM at Risk will be able to utilize space within the construction area for a temporary office?

Answer: Yes, within the construction area.

Item 2-8 Question: On Page 48, Section 3.10 lists the Key Supervisory Personnel as follows: Project Executive, Quality Control Supervisor, Project Manager, Field Superintendent, and Chief Estimator. On page 51, Section 3.13 "BIM Coordinator" is listed as a Key Personnel proposed for the CM at Risk Team.

Please confirm if "BIM Coordinator" is a Key Supervisory Personnel and therefore would require all the same information needed in Section 3.10 as the other positions.

Answer: No. The BIM Coordinator is NOT a Key Supervisory Personnel requiring the information asked for in 3.10.

Item 2-9 Question: Preconstruction Process**:** Per the Design Narrative Package, we understand that Design Team will require 8 weeks to develop and submit the DD Package and 12 weeks to develop and submit the CD Package.

Please review and advise on the following:

a) Confirm that it is expected for the CM at Risk to develop and submit a Constructability Review Package for each Design Submission.
b) Confirm that it is expected for the CM at Risk to develop and submit a Cost Estimate Package for each Design Submission.
c) Review and advise if CM at Risk will be provided a minimum of three weeks to develop and submit the Constructability & Cost Model for each Design Submission.

Answer: a) & b): It is expected that the CMAR will be brought on board after the Design Development is complete. CMAR will do Constructability Review for 70% CD's, and possibly for 95% CD's.

c): 2 weeks for Constructability Review; 3 weeks for Cost Model.

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ADDENDUM #2
ISSUED: SEPTEMBER 18, 2024

Item 2-10 Question: MC Design Package Review & Approval:_Please advise on the required overall time frame for Montgomery College to review and approve the DD and CD Package including the Constructability and Cost Estimate deliverables.

Answer: Montgomery College will promptly review Constructability and Cost Model provided by CMAR. The College will work with CMAR and design team to resolve constructability issues, and perform value engineering as necessary.

Item 2-11 Question: GMP Schedule: Item "2.1 Intent" indicates that A/E expects to complete the construction documents by the end of March 2025, we are assuming that this date will be 3/30/2025. Item" 2.13 Construction GMP" indicates that the CM at Risk is to provide the GMP Proposal to the College within (30) days of issuance of the 100% Construction Documents. Item "2.18 General Obligations for Construction" shows April 15, 2025, as the GMP submission date which is approximately 2 weeks. Please review and confirm that a minimum of 4 weeks will be allowed for GMP development and submission from 100% CD issuance date.

Answer: Minimum of 4 weeks will be allowed for GMP development and submission from 100% CD issuance date. Depending on how design develops and long lead items are identified, it is possible CMAR might have to do multiple GMP packages.

Item 2-12 Question: Testing & Inspections: Item "2.42 Items of General Requirements" indicate the following *"A fee for testing and inspection services is to be included in the total Project construction costs. Proposers are to include this fee in their quoted not-to-exceed amount for General Conditions for Non-Personnel items for the appropriate aspect of the Project."* – Please review and advise if Montgomery College will consider including the Testing & Inspection cost as part of the GMP after the CD Package is completed and excluded from the General Conditions.

Answer: The College will retain 3rd party testing and inspection agents. CMAR and/or subcontractors may hire testing and inspection to insure quality of their work as per the specifications.

The College will consider including the Testing & Inspection cost as part of the GMP, with no change to the General Conditions.

Item 2-13 Question: Project Description: Item "1.1 Intent" provides a brief description of the renovation work. Please review and advise if the rest of the building will be occupied during the Library Renovation Phase.

Answer: To be determined. This will be determined as the project progresses.

OFFICE OF PROCUREMENT
CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPUS
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ADDENDUM #2
ISSUED: SEPTEMBER 18, 2024

Item 2-14 Question: Montgomery College General Conditions Article 9 – Insurance and Bonds: Article 9.1 Insurance, item d) reads as follows *"Builder's Risk Insurance, providing property damage and theft replacement coverage for goods provided and services rendered during construction. For building renovation projects, when custody of the building is turned over to the Contractor, the Builder's Risk policy must additionally include building replacement value."*

Please review and advise if Montgomery College anticipates turning over the custody of the Building to the CM at Risk for this project. If this is the intent, please provide the replacement value information.

Answer: The custody of the building will not be turned over to the CMAR, so Builder's Risk Insurance will not be required.

Item 2-15 Question: Section 4 - Minority Participation Form: Please review and advise if the MBE Form is applicable to the Price Proposal (Pre-construction, General Conditions, and Fees) that is due on October 15, 2024.

Answer: Please include Minority Participation Form in the Technical Proposal submission.

All other specifications, terms and conditions remain unchanged.

Sections or Portions Reissued in Entirety
NONE

Drawings
NONE

Sketches
NONE

Items Issued for Informational Purposes
NONE

OFFICE OF PROCUREMENT
CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPUS
RFP NO.: 625-004
RFP CLOSING DATE AND TIME: SEPTEMBER 24, 2024 @ 2:00 PM

ADDENDUM #2
ISSUED: SEPTEMBER 18, 2024

Patrick Johnson

Patrick Johnson, MBA, CPPB
Director of Procurement

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Company Name	Authorized Signature
_____	_____
Date	Printed/Typed Signature

OFFICE OF PROCUREMENT
CONSTRUCTION MANAGER AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPIS
RFP NO.: 625-004
RFP CLOSING DATE AND TIME: SEPTEMBER 24, 2024 @ 2:00 PM

ADDENDUM #1
ISSUED: SEPTEMBER 6, 2024

THE PURPOSE OF ADDENDUM IS TO MAKE CHANGES AND INCLUDE THE MISSING DOCUMENTS IN THE RFP DOCUMENTS:

Item 1-1 Correct the RFP closing date on the header of Table of Contents, from September 23, 2024 to September 24, 2024.

Item 1-2 2nd line of 3rd paragraph of Section 6.1, Page 87, replace "involves the review of technical evaluation." with "involves the review and evaluation of technical proposals.".

Item 1-3 2nd line of 1st paragraph on Page 89, replace "The anticipated time-frame for the interviews is the week of" with "The anticipated interview dates are tentatively scheduled on October 3-4."

Item 1-4 Section 5 of Appendix C Schematic Design Package, insert "Asbestos-Containing Materials Survey for the Gordon & Marilyn Macklin Tower (Library), Final Report dated July 2, 2021" by Boggs Environmental Consultants, after Page 685.

All other specifications, terms and conditions remain unchanged.

Sections or Portions Reissued in Entirety
NONE

Drawings
NONE

Sketches
NONE

Items Issued for Informational Purposes
Section 5 of Appendix C: Asbestos-Containing Materials Survey for the Gordon & Marilyn Macklin Tower (Library), Rockville Campus, Final Report dated July 2, 2021

Judy Zhu for

Patrick Johnson, MBA, CPPB
Director of Procurement

OFFICE OF PROCUREMENT
CONSTRUCTION MANAGER AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION, ROCKVILLE CAMPIS
RFP NO.: 625-004
RFP CLOSING DATE AND TIME: SEPTEMBER 24, 2024 @ 2:00 PM

ADDENDUM #1
ISSUED: SEPTEMBER 6, 2024

Please **sign** below to acknowledge receipt of this Addendum and return with the **Technical Proposal submission.**

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NOTE: ACKNOWLEDGEMENT OF RECEIPT OF RFP ADDENDA WILL NOT BE ACCEPTED BY FACSIMILE OR E-MAIL.

_____	_____
Company Name	Authorized Signature
_____	_____
Date	Printed/Typed Signature

ASBESTOS-CONTAINING MATERIALS SURVEY

Conducted at:

GORDON & MARILYN MACKLIN TOWER (LIBRARY)
ROCKVILLE CAMPUS

51 Mannakee Street
Rockville, Maryland 20850

Prepared for:

MONTGOMERY COLLEGE

9221 Corporate Boulevard
Rockville, Maryland 20850

Attention: Ms. Yu (Judy) Zhu, Purchasing Manager
Yu.zhu@montgomerycollege.edu

BEC Project # MD20187

Fieldwork Conducted: May 10-14, 2021

Final Technical Report Date: July 2, 2021

Prepared by:

BOGGS ENVIRONMENTAL CONSULTANTS

Middletown, MD ~ Morgantown, WV
Corporate Office: 200 W Main Street, Middletown, MD 21769
Tel: (301) 694-5687 ~ Fax: (301) 694-9799

ENVIRONMENTAL SCIENCE, ENGINEERING & INDUSTRIAL HYGIENE SERVICES

ASBESTOS-CONTAINING MATERIALS SURVEY

Conducted at:

GORDON & MARILYN MACKLIN TOWER (LIBRARY)
ROCKVILLE CAMPUS

51 Mannakee Street
Rockville, Maryland 20850

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TABLES

TABLE A: US EPA Minimum Number of Bulk Samples Required to Rebut ACM Designation

APPENDICES

APPENDIX A: PLM Bulk Sampling Results
APPENDIX B: Homogenous Area Materials Log Sheet
APPENDIX C: Building Construction Materials Location
APPENDIX D: Homogenous Area Photo Sheet
APPENDIX E: Bulk Sampling Locations & ACM Drawings
APPENDIX F: Eurofins CEI Analytical Results & Chain of Custody
APPENDIX G: BEC Staff Qualifications

BOGGS ENVIRONMENTAL CONSULTANTS, INC.

On-site Fieldwork & Final Technical Report By:

Derrick A. Klein
Project Manager
State of Maryland Asbestos Inspector (License No. 18006521)

ENVIRONMENTAL SCIENCE, ENGINEERING & INDUSTRIAL HYGIENE SERVICES

SECTION 1.0 SUBJECT SITE DESCRIPTION & SCOPE OF WORK

Project Site:	**GORDON & MARILYN MACKLIN TOWER (LIBRARY)** 51 Mannakee Street Rockville, Maryland 20850
Requester Name:	Ms. Yu (Judy) Zhu, Purchasing Manager
Requestor Address:	**MONTGOMERY COLLEGE** 9221 Corporate Boulevard Rockville, Maryland 20850

Subject Site Description & Scope of Work:

The focus of this inspection was the readily-accessible suspect asbestos-containing material located within the Gordon & Marilyn Macklin Tower, situated on the Rockville Montgomery College campus located at 51 Mannakee Street, Rockville, Maryland 20850.

BEC received authorization from Ms. Ms. Sharmila Pradhan, Environmental Safety Manager, to provide industrial hygiene services to determine the presence of asbestos-containing materials to determine applicability (and impact) of (***i***) United States (US) Environmental Protection Agency (EPA) / (***ii***) Maryland Department of the Environment (MDE) and (***iii***) US Occupational Safety and Health Administration (US OSHA) worker protection regulations.

SECTION 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

2.1 Background

BOGGS ENVIRONMENTAL CONSULTANTS, INC. (BEC) conducted an asbestos-containing building construction materials (ACBMs) survey within the Gordon and Marilyn Macklin Tower, situated on the Rockville Montgomery College campus, located at 51 Mannakee Street, Rockville, Maryland 20850 on May 10, 2021.

BEC conducted interviews with Mr. Michael Rocke, Environmental Safety Specialist to become familiar with the building history and the limits of the inspection, prior to proceeding with the field inspection activities. BEC notes, only readily accessible materials identified within the subject site were sampled during the course of this asbestos-containing materials survey. BEC cautions that additional suspect asbestos-containing building construction materials may exist outside this asbestos inspection scope of work; but were not sampled during the conduct of this work effort.

2.2 Field Sampling

BEC staff licensed State of Maryland Department of the Environment (MDE) "Asbestos Inspector", Derrick A. Klein conducted preliminary field walk inspections for the purpose of developing an inventory of suspect ACBMs associated with the interior of the subject site. Subsequently, Mr. Klein collected multiple bulk samples of suspect asbestos-containing materials observed at the subject site on May 10, 2021.

BEC advises, based upon current United States Environmental Protection Agency (US EPA) asbestos hazard control regulations, the minimum number of samples necessary to definitively determine the presence (or absence) of ACBMs is dependent on the nature and quantity of the suspect building construction material. Additionally, the US EPA has established a standardized schedule for bulk sample collection of suspect ACBMs based upon homogeneous areas. Homogeneous areas are defined as "…building construction materials that are similar in color, consistency, texture, and appearance of similar application/installation time period".

SECTION 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

2.2 Field Sampling (continued)

Based upon on-site visual inspection and bulk sampling guidelines, one hundred and fifty-four (154) samples of the suspect ACBMs were collected and submitted to the analytical laboratory; which upon standard polarized light microscopy with dispersion staining (PLM/DS) examination revealed the presence of two hundred and fifty-nine (259) individual PLM/DS layers.

BEC advises, based upon the US EPA asbestos regulations' prescribed (mandatory) analytical method, the laboratory analyst has the sole discretion/responsibility in determining whether the bulk sample is composed of one or multiple layers.

2.3 Material Classification

Asbestos-containing materials (ACMs) are any building construction materials containing greater than one percent (>1%) asbestos. Friable ACM is any material which can be broken, crumbled, pulverized, or reduced to powder under hand pressure; conversely, non-friable ACMs are materials incapable of reduction to powder via hand pressure.

In accordance with Federal asbestos hazard control regulations (40 CFR Part 763 - Asbestos, Subpart E), bulk sampling is not required to designate (i.e., presume and treat) a construction material suspected to contain asbestos as Presumed Asbestos-Containing Material (PACM), should a duly trained and accredited asbestos inspector observe/inspect and assign the PACM designation to the suspect ACM.

However, BEC advises, in accordance with Federal regulations, rebuttal of the PACM designation and re-classification of a material to non-ACM, requires collection and analysis of a minimum number of samples of the suspect ACM. As a reminder, a homogeneous material is a unique group of construction materials (eg, surfacing material, thermal system insulation material, or miscellaneous material) that possesses uniform properties such as color, texture, age, and functionality.

For a summary of the minimum number of samples required to undergo collection and analysis to rebut the PACM designation, please refer to **TABLE A: US EPA Minimum Number of Bulk Samples Required to Rebut ACM Designation** on the following page.

TABLE A: US EPA Minimum Number of Bulk Samples Required to Rebut ACM Designation

Thermal System Insulation (TSI): Thermal System Insulation includes materials such as boiler insulation, pipe insulation, and ductwork insulation.		
At least three (3) samples from each homogeneous material of TSI.	At least one (1) sample from patched TSI that is less than six square feet.	For pipe fittings, in a manner sufficient to determine if the material is asbestos-containing.
Surfacing Material: Surfacing material includes materials such as spray-applied fireproofing, troweled-on plasters or ceiling textures.		
At least three samples from homogeneous materials of 1,000 square feet or less.	At least five samples from homogeneous materials of greater than 1,000 square feet but less than 5,000 square feet.	At least seven samples from homogeneous materials of greater than 5000 square feet, with an additional 1 sample per each increment of 1,000 sf, in excess of 5,000 sf.
Miscellaneous Material and Non-friable Suspect ACM: Miscellaneous materials include all materials that are not *TSI* or *Surfacing Materials*, such as vinyl floor tile, acoustical ceiling tile, vinyl sheet goods (linoleum), roofing materials, *et cetera*.		
For each homogeneous material, a sufficient number are required to be collected and analyzed to determine if the material is ACM.	Samples are not required to be collected from homogeneous materials, of which the trained accredited asbestos inspector has determined to be non-asbestos-containing material, such as fiberglass or rubber.	

SECTION 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

2.4 Laboratory Analysis

Pursuant to the field screen and bulk sample collection, BEC submitted the bulk samples to Eurofins CEI Labs Inc. (Eurofins) of Cary, North Carolina for asbestos content analysis. Eurofins is fully accredited by the American Industrial Hygiene Association and the National Institute of Standards and Technology's (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) as proficient in the analysis of asbestos in bulk samples.

Eurofins performed PLM/DS analysis of all bulk samples, in accordance with the "*Test Method for the Determination of Asbestos in Bulk Building Materials*" (US EPA 600/R-93/116, July 1993). BEC advises PLM/DS analysis revealed multiple suspect ACM bulk samples submitted to Eurofins contained US EPA and US OSHA regulated asbestos concentrations. The results of the bulk sample analysis can be found in Appendix A: PLM: Bulk Sampling Results.

2.5 Asbestos Survey Limitations

The above inspection was characterized by making observations for suspect ACBMs and conducting bulk sampling of same, limited to only readily-accessible interior building areas. All accessible areas within the scope of work were inspected in accordance with US EPA regulations and generally accepted engineering work practices.

BEC asbestos survey sampling strategy included collection of multiple samples of the same materials chosen at random. However, BEC advises, due to the inconsistencies of manufacturer processes and contractor installation methods, materials of similar construction may have varied quantities of asbestos.

Furthermore, BEC advises locating all asbestos-containing materials present at a structure can only be definitively achieved by bulk sampling every section of pipe insulation, every fitting or valve covering, every square yard of fireproofing, and every square foot of other surface coating materials, for suspect materials both readily-accessible and hidden.

Therefore, BEC makes no warranty, expressed or implied, that all asbestos within the subject site has been found. Accordingly, BEC recommends bulk sampling and analysis of all suspect ACBMs (not otherwise evaluated during this survey) during work which will, or can be reasonably anticipated to, result in the disturbance or damage of same, prior to commencement and/or during demolition/renovation work.

SECTION 3.0 CONCLUSIONS & RECOMMENDATIONS

3.1 Conclusions

1. BEC concludes, based upon on-site visual inspection and review of analytical data, US EPA-regulated asbestos-containing materials **were identified** at the subject site and can be found in Appendix B: Homogenous Area Materials Log Sheet.

2. BEC concludes, based upon review of US EPA and State of Maryland Department of the Environment law, specific regulations governing the disturbance, removal, and disposal of asbestos, **DO APPLY** to **ANY** work, of which is planned and/or can be reasonably anticipated to result in the disturbance of the regulated asbestos-containing materials (RACM) identified in the course of this inspection.

3. BEC concludes, based upon review of United States Occupational Safety and Health Administration (Construction Industry: 29 CFR 1926.1101 and General Industry: 29 CFR 1910.1001) regulations governing non-occupational and occupational worker exposure to asbestos, **DO APPLY** to **ANY** renovation/demolition, housekeeping, maintenance, and/or repair activities directly and/or indirectly impacting (collateral disturbance/damage) the regulated-asbestos-containing materials.

SECTION 3.0 CONCLUSIONS & RECOMMENDATIONS

3.1 Conclusions (continued)

4. BEC concludes, based upon Federal law, a US EPA accredited and licensed "asbestos abatement project designer" is required to prepare a detailed work plan to govern abatement (removal) of regulated asbestos-containing material (RACM), including periodic work area visual inspections/air quality surveillance, and clearance testing for re-occupancy of RACM abatement work areas.

5. BEC concludes, based upon Federal law, a licensed asbestos abatement contractor is required to conduct removal of RACM prior to renovation work disturbing/damaging these materials. Removal of these materials is required by law whenever renovation/demolition workplans specify (require) their disturbance and/or their disturbance can be reasonably anticipated to occur during the renovation work activities.

3.2 Recommendations

1. BEC recommends, in accordance with Federal law, secure a licensed asbestos abatement contractor to conduct the removal of any ACBMs or suspect asbestos-containing materials that would be disturbed (renovation/demolition and/or maintenance) at the subject site.

2. Asbestos-Containing Materials Disclosure:

   BEC advises, based upon US OSHA's Construction Industry (29 CFR 1926.1101) and General Industry (29 CFR 1910.1001) regulations, the Building Owner is required to disclose the location of any asbestos-containing materials (trace asbestos content and $\geq$ 1% asbestos concentration) to Owner employees, contractors/subcontractors, and tenants whom occupy and/or conduct work activities within building areas, at which trace ACM, and/or RACM are present.

3. In the event the client elects to abate any asbestos-containing materials identified at the subject site, BEC recommends a third-party Industrial Hygiene firm perform baseline, continuous, and post abatement air quality surveillance at the asbestos abatement work area(s) prior to permitting re-occupancy of the work area(s).

4. BEC recommends should any planned renovation/demolition activities result in the discovery of additional suspect ACBMs, halting all work activities with subsequent bulk sample collection and analysis of discovered ACBMs, to determine asbestos content.

   PLM/DS Limitations

   BEC advises all bulk samples were analyzed by Polarized Light Microscopy with Dispersion Staining (PLM/DS). This is a standard method of analysis in optical mineralogy and a suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The resultant characteristic color display enables mineral identification.

   Although PLM/DS analysis is the primary technique used for asbestos determination, it can show significant bias leading to false negatives and false positives for certain types of materials. PLM is limited by the visibility of the asbestos fibers. In some samples the fibers may be reduced to a diameter so small or masked by coatings to such an extent that they cannot be reliably observed or identified using PLM.

   As such, BEC recommends further evaluation via (**i**) the stratified point count methodology and/or (**ii**) gravimetric reduction sample preparation technique and PLM/DS analysis – and if necessary- subsequent TEM analysis (10,000-20,000x magnification), prior to designation as "non-asbestos-containing".

APPENDIX A

PLM BULK SAMPLING RESULTS

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
1	MT-51021-1	Misc.	Room 625: Hallway	Gypsum Board Sheeting	None Detected
1	MT-51021-2	Misc.	Room 303L: Conference	Gypsum Board Sheeting	None Detected
1	MT-51021-3	Misc.	Room 112: Library	Gypsum Board Sheeting	None Detected
2	MT-51021-4	Misc.	Room 625: Hallway	Joint Finishing Compound	None Detected
2	MT-51021-5	Misc.	Room 303L: Conference	Joint Finishing Compound	**2% Chrysotile**
2	MT-51021-6	Misc.	Room 112: Library	Joint Finishing Compound	None Detected
3	MT-51021-7	Misc.	Room 600: Corridor	Black Floor Tile Mastic	**5% Chrysotile**
3	MT-51021-8	Misc.	Room 492: North Corridor	Black Floor Tile Mastic	**5% Chrysotile**
3	MT-51021-9	Misc.	Room 109: Lounge	Black Floor Tile Mastic	**5% Chrysotile**
4	MT-51021-10	Misc.	Room 303L: Conference	Yellow Carpet Mastic	None Detected
4	MT-51021-11	Misc.	Room 212: Office	Yellow Carpet Mastic	None Detected
4	MT-51021-12	Misc.	Room 304: Library	Yellow/Black Carpet Mastic	**2% Chrysotile**
5	MT-51021-13	Misc.	Room 427: Office	2' x 4' White Pinhole & Puncture ACT	None Detected
5	MT-51021-14	Misc.	Room 218B: Office	2' x 4' White Pinhole & Puncture ACT	None Detected
5	MT-51021-15	Misc.	Room 301: Library	2' x 4' White Pinhole & Puncture ACT	None Detected
6	MT-51021-16	Misc.	Room 606: Copy/Fax	2' x 2' White Pinhole & Puncture ACT	None Detected
6	MT-51021-17	Misc.	Room 400: Elevator Lobby	2' x 2' White Pinhole & Puncture ACT	None Detected
6	MT-51021-18	Misc.	Room 500: Elevator Lobby	2' x 2' White Pinhole & Puncture ACT	None Detected
7	MT-51021-19	Misc.	Room 607: Conference	Tan Vinyl Cove Base	None Detected
				Tan Mastic	None Detected
				Associated White Mud (Joint Compound)	**2% Chrysotile**
7	MT-51021-20	Misc.	Room 423: Office	Tan Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
7	MT-51021-21	Misc.	Room 218H: Office	Tan Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
8	MT-51021-22	Misc.	Room 607: Conference	2' x 2' White Textured ACT	None Detected
8	MT-51021-23	Misc.	Room 600: Corridor	2' x 2' White Textured ACT	None Detected
8	MT-51021-24	Misc.	Room 212: Office	2' x 2' White Textured ACT	None Detected
9	MT-51021-25	Misc.	Room 606: Copy/Fax	Dark Blue & Black VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
9	MT-51021-26	Misc.	Room 615: Storage	12" x 12" Dark Blue & Black VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
9	MT-51021-27	Misc.	Room 608: Pantry	12" x 12" Dark Blue w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
10	MT-51021-28	Misc.	Room 600: Corridor	12" x 12" Off-White w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
10	MT-51021-29	Misc.	Room 600: Corridor	12" x 12" Off-White w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
10	MT-51021-30	Misc.	Room 600: Corridor	12" x 12" Off-White w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
11	MT-51021-31	Misc.	Room 600: Corridor	12" x 12" Brown w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
11	MT-51021-32	Misc.	Room 600: Corridor	12" x 12" Yellow w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
11	MT-51021-33	Misc.	Room 600: Corridor	12" x 12" Brown w/ Black VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
12	MT-51021-34	Misc.	Room 591: South Corridor	12" x 12" Pink w/ Multicolored Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
12	MT-51021-35	Misc.	Room 592: North Corridor	12" x 12" Pink w/ Multicolored Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
12	MT-51021-36	Misc.	Room 400: Elevator Lobby	12" x 12" Pink w/ Multicolored Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
13	MT-51021-37	Misc.	Room 610: Mech	Brown Metal Duct Seam Sealant	None Detected
13	MT-51021-38	Misc.	Room 433: Mech/IT	Brown Metal Duct Seam Sealant	None Detected
13	MT-51021-39	Misc.	Room 301B: Mech	Brown Metal Duct Seam Sealant	None Detected
14	MT-51021-40	Misc.	Room 610: Mech	White Pipe Insulation Mastic	None Detected
14	MT-51021-41	Misc.	Room 534A: Mech	White Pipe Insulation Mastic	None Detected
14	MT-51021-42	Misc.	Room 433: Mech/IT	White Pipe Insulation Mastic	None Detected
15	MT-51021-43	Misc.	Room 610: Mech	Red Fire Stop	None Detected
15	MT-51021-44	Misc.	Room 534A: Mech	Red Fire Stop	None Detected
15	MT-51021-45	Misc.	Room 433: Mech/IT	Red Fire Stop	None Detected
16	MT-51021-46	Misc.	Room 622: Office	Off-White Pipe Wrap Mastic	**5% Chrysotile**
16	MT-51021-47	Misc.	Room 625: Hallway	Off-White Pipe Wrap Mastic	**5% Chrysotile**
16	MT-51021-48	Misc.	Room 625: Hallway	Off-White Pipe Wrap Mastic	**5% Chrysotile**

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
17	MT-51021-49	Misc.	Room 610: Mech	Gray Metal Duct Seam Sealant	None Detected
17	MT-51021-50	Misc.	Room 433: Mech/IT	Gray Metal Duct Seam Sealant	None Detected
17	MT-51021-51	Misc.	Room 209C: Mech	Gray Metal Duct Seam Sealant	None Detected
18	MT-51021-52	Misc.	Room 2C1: Corridor	Gray Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
18	MT-51021-53	Misc.	Room 2C2: Elevator Lobby	Gray Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
18	MT-51021-54	Misc.	Room 2C3: Corridor	Gray Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
19	MT-51021-55	Misc.	Room 2C1: Corridor	12" x 12" Light Blue w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
19	MT-51021-56	Misc.	Room 2C2: Elevator Lobby	12" x 12" Yellow w/ Black Spots Mastic	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
19	MT-51021-57	Misc.	Room 2C3: Corridor	12" x 12" Light Blue w/ Black Spots VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
20	MT-51021-58	Misc.	Room 2C3: Corridor	Maroon Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
20	MT-51021-59	Misc.	Room 212: Office	Maroon Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
20	MT-51021-60	Misc.	Room 213: Conference	Maroon Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
21	MT-51021-61	Misc.	Room 212B: Office	2' x 4' White Small & Large Pinhole ACT	None Detected
21	MT-51021-62	Misc.	Room 212D: Office	2' x 4' White Small & Large Pinhole ACT	None Detected
21	MT-51021-63	Misc.	Room 213: Conference	2' x 4' White Small & Large Pinhole ACT	None Detected
22	MT-51021-64	Misc.	Room 307: Lounge	12" x 12" Navy Blue w/ Light Blue Specks VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
22	MT-51021-65	Misc.	Room 307: Lounge	12" x 12" Navy Blue w/ Light Blue Specks VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
22	MT-51021-66	Misc.	Room 307: Lounge	12" x 12" Navy Blue w/ Light Blue Specks VFT	None Detected
				Associated Yellow/Black Mastic	**3% Chrysotile**
23	MT-51021-67	Misc.	Room 307: Lounge	Navy Blue Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
23	MT-51021-68	Misc.	Room 307: Lounge	Navy Blue Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
23	MT-51021-69	Misc.	Room 307: Lounge	Navy Blue Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
24	MT-51021-70	Misc.	Room 301: Library	Black Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
24	MT-51021-71	Misc.	Room 203: Library	Black Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
24	MT-51021-72	Misc.	Room 116: Library	Black Vinyl Cove Base	None Detected
				Associated Yellow Mastic	None Detected
25	MT-51021-73	Misc.	Room 301: Library	12" x 12" Light Blue w/ Blue Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
				Associated Tan VFT	None Detected
				Associated Yellow Mastic	None Detected
25	MT-51021-74	Misc.	Room 2SE: Stair 5	12" x 12" Light Blue w/ Blue Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
25	MT-51021-75	Misc.	Room 1SE: Stair 5	12" x 12" Light Blue w/ Blue Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
26	MT-51021-76	Misc.	Room 3SE: Stair 5	Navy Blue Vinyl Stair Tread	None Detected
				Associated Yellow Mastic	None Detected
26	MT-51021-77	Misc.	Room 2SE: Stair 5	Navy Blue Vinyl Stair Tread	None Detected
				Associated Yellow Mastic	None Detected
26	MT-51021-78	Misc.	Room 1SE: Stair 5	Navy Blue Vinyl Stair Tread	None Detected
				Associated Yellow Mastic	None Detected
27	MT-51021-79	Misc.	Room 303K: Copy/Print	Beige VFT (under Carpet)	None Detected
				Associated Yellow Mastic	None Detected
				Associated Black Mastic	**5% Chrysotile**
27	MT-51021-80	Misc.	Room 303L: Conference	Beige VFT (under Carpet)	None Detected
				Associated Yellow Mastic	None Detected
				Associated Black Mastic	**5% Chrysotile**

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
27	MT-51021-81	Misc.	Room 303M: Workstation	Beige VFT (under Carpet)	None Detected
				Associated Yellow Mastic	None Detected
				Associated Black Mastic	**5% Chrysotile**
28	MT-51021-82	Misc.	Room 306: Library	2' x 2' Off-White Inset Pinhole & Fissure ACT	None Detected
28	MT-51021-83	Misc.	Room 202: Library	2' x 2' Off-White Inset Pinhole & Fissure ACT	None Detected
28	MT-51021-84	Misc.	Room 112: Library	2' x 2' Off-White Inset Pinhole & Fissure ACT	None Detected
29	MT-51021-85	Misc.	Room 301: Library	2' x 2' White Pinhole & Fissure ACT	None Detected
29	MT-51021-86	Misc.	Room 202: Library	2' x 2' White Pinhole & Fissure ACT	None Detected
29	MT-51021-87	Misc.	Room 112: Library	2' x 2' White Pinhole & Fissure ACT	None Detected
30	MT-51021-88	Misc.	Room 301: Library	White Duct Insulation Mastic	**10% Chrysotile**
30	MT-51021-89	Misc.	Room 304: Library	White Duct Insulation Mastic	**10% Chrysotile**
30	MT-51021-90	Misc.	Room 305: Library	White Duct Insulation Mastic	**10% Chrysotile**
31	MT-51021-91	Misc.	Room 305: Library	12" x 12" Marble Pattern Flooring VFT	None Detected
				Associated Yellow Mastic	None Detected
31	MT-51021-92	Misc.	Room 305: Library	12" x 12" Marble Pattern Flooring VFT	None Detected
				Associated Yellow Mastic	None Detected
31	MT-51021-93	Misc.	Room 305: Library	12" x 12" Marble Pattern Flooring VFT	None Detected
				Associated Yellow Mastic	None Detected
32	MT-51021-94	Surfacing	Room 305: Library	Finished Plaster Skim Coat	None Detected
				Finished Plaster Base Coat	None Detected
32	MT-51021-95	Surfacing	Room 203: Library	Finished Plaster Skim Coat	None Detected
				Finished Plaster Base Coat	None Detected
32	MT-51021-96	Surfacing	Room 113: Library	Finished Plaster Skim Coat	None Detected
				Finished Plaster Base Coat	None Detected
32	MT-51021-97	Surfacing	Room 116: Library	Finished Plaster Skim Coat	None Detected
				Finished Plaster Base Coat	None Detected
32	MT-51021-98	Surfacing	Room 020: Writing Center	Finished Plaster Skim Coat	None Detected
				Finished Plaster Base Coat	None Detected
33	MT-51021-99	Misc.	Room 112: Library	12" x 12" Tan w/ Brown & Green Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
33	MT-51021-100	Misc.	Room 112: Library	12" x 12" Tan w/ Brown & Green Specks VFT	None Detected
				Associated Yellow Mastic	None Detected

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BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
33	MT-51021-101	Misc.	Room 110: Library Service	12" x 12" Tan w/ Brown & Green Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
34	MT-51021-102	Misc.	Room 109: Lounge	12" x 12" Tan w/ Brown Specks VFT	**10% Chrysotile**
				Associated Black Mastic	**5% Chrysotile**
34	MT-51021-103	Misc.	Room 109: Lounge	12" x 12" Tan w/Brown Specks VFT	**10% Chrysotile**
				Associated Black Mastic	**5% Chrysotile**
34	MT-51021-104	Misc.	Room 109: Lounge	12" x 12" Tan w/ Brown Specks VFT	**10% Chrysotile**
				Associated Black Mastic	**5% Chrysotile**
35	MT-51021-105	Misc.	Room 020: Writing Center	12" x 12" Off-White w/ Tan Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
35	MT-51021-106	Misc.	Room 020: Writing Center	12" x 12" Off-White w/ Tan Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
35	MT-51021-107	Misc.	Room 020: Writing Center	12" x 12" Off-White w/ Tan Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
36	MT-51021-108	Misc.	Room 304B: Mechanical	White Interior Duct Insulation	None Detected
36	MT-51021-109	Misc.	Room 202A: Mechanical	White Interior Duct Insulation	None Detected
36	MT-51021-110	Misc.	Room 112B: Mechanical	White Interior Duct Insulation	None Detected
37	MT-51021-111	Misc.	Room 303F: IT Closet	12" x 12" White w/ Black Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
37	MT-51021-112	Misc.	Room 303F: IT Closet	12" x 12" White w/ Black Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
37	MT-51021-113	Misc.	Room 004: IT Closet	12" x 12" White w/ Black Specks VFT	None Detected
				Associated Yellow Mastic	None Detected
38	MT-51021-114	Misc.	Room 001: Lounge/Vend	12" x 12" Gray/Orange w/ Black Spots VFT	None Detected
				Associated Yellow Mastic	None Detected
38	MT-51021-115	Misc.	Room 001: Lounge/Vend	12" x 12" Gray/Orange w/ Black Spots VFT	None Detected
				Associated Yellow Mastic	None Detected
38	MT-51021-116	Misc.	Room 001: Lounge/Vend	12" x 12" Gray/Orange w/ Black Spots VFT	None Detected
				Associated Yellow Mastic	None Detected
39	MT-51021-117	Misc.	Room 095: Corridor	18" x 18" Gray VFT & Mastic	None Detected
				Associated Gray Mastic	None Detected

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
39	MT-51021-118	Misc.	Room 008: Storage	18" x 18" Gray VFT & Mastic	None Detected
				Associated Gray Mastic	None Detected
39	MT-51021-119	Misc.	Room 092: Vestibule	18" x 18" Gray VFT & Mastic	None Detected
				Associated Gray Mastic	None Detected
40	MT-51021-120	Surfacing	Room 024A: Studio	Gray Spray Applied Fireproofing	None Detected
40	MT-51021-121	Surfacing	Room 024A: Studio	Gray Spray Applied Fireproofing	None Detected
40	MT-51021-122	Surfacing	Room 024A: Studio	Gray Spray Applied Fireproofing	None Detected
41	MT-51021-123	Misc.	Room 095: Corridor	Dark Gray Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
41	MT-51021-124	Misc.	Room 017: Conference	Dark Gray Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
41	MT-51021-125	Misc.	Room 092: Vestibule	Dark Gray Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
42	MT-51021-126	Misc.	Room 090: Corridor	Brown Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
42	MT-51021-127	Misc.	Room 090: Corridor	Brown Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
42	MT-51021-128	Misc.	Room 001: Lounge/Vend	Brown Vinyl Cove Base	None Detected
				Associated Tan Mastic	None Detected
43	MT-51021-129	Misc.	Room 090: Corridor	18" x 18" Gray/Red w/ Black Spots VFT	None Detected
				Associated Clear Mastic	None Detected
43	MT-51021-130	Misc.	Room 090: Corridor	18" x 18" Gray/Red w/ Black Spots VFT	None Detected
				Associated Clear Mastic	None Detected
43	MT-51021-131	Misc.	Room 090: Corridor	18" x 18" Gray/Red w/ Black Spots VFT	None Detected
				Associated Clear Mastic	None Detected
44	MT-51021-132	Misc.	Room 600: Corridor	Black Vinyl Threshold Strip	None Detected
				Associated Black Matic	**2% Chrysotile**
44	MT-51021-133	Misc.	Room 303Q: Corridor	Black Vinyl Threshold Strip	None Detected
44	MT-51021-134	Misc.	Room 001: Lounge/Vend	Black Vinyl Threshold Strip	None Detected
				Associated Brown Mastic	None Detected
45	MT-51021-135	Misc.	Room 190: Corridor	18" x 18" Orange VFT	None Detected
				Associated Clear Mastic	None Detected

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
45	MT-51021-136	Misc.	Room 190: Corridor	18" x 18" Orange VFT	None Detected
				Associated Clear Mastic	None Detected
46	MT-51021-137	Misc.	Room 190: Corridor	18" x 18" Marble Pattern VFT	None Detected
				Associated Yellow Mastic	None Detected
46	MT-51021-138	Misc.	Room 190: Corridor	18" x 18" Marble Pattern VFT	None Detected
				Associated Yellow Mastic	None Detected
47	MT-51021-139	Misc.	Room 1E1: Elevator 1	Yellow Textured VFT	None Detected
				Associated Yellow Mastic	None Detected
				Gray Leveling Compound	None Detected
				Associated Black Mastic	**5% Chrysotile**
47	MT-51021-140	Misc.	Room 1E2: Elevator 2	Yellow Textured VFT	None Detected
				Associated Yellow Mastic	None Detected
				Gray Leveling Compound	None Detected
				Associated Black Mastic	**5% Chrysotile**
48	MT-51021-141	Misc.	Room 2C3: Corridor	Purple & Orange VSG	None Detected
				Associated Black Mastic	**3% Chrysotile**
48	MT-51021-142	Misc.	Room 2C3: Corridor	Purple & Orange VSG	None Detected
				Associated Black Mastic	**3% Chrysotile**
49	MT-51021-143	Misc.	Room B2: Electrical	Tan Ceiling Insulation Pin Mastic	**5% Chrysotile**
49	MT-51021-144	Misc.	Room B1: Mechanical	Tan Ceiling Insulation Pin Mastic	**5% Chrysotile**
50	MT-51021-145	Misc.	Room 214: Elite Training	12" x 12" Pink w/ Black Spots VFT	None Detected
				Associated Black/Brown Mastic	**5% Chrysotile**
50	MT-51021-146	Misc.	Room 214: Elite Training	12" x 12" Pink w/ Black Spots VFT	None Detected
				Associated Black/Brown Mastic	**5% Chrysotile**
51	MT-51021-147	Misc.	Room 610: Mechanical	Black Tar Sealant	None Detected
51	MT-51021-148	Misc.	Room 304B: Mechanical	Black Tar Sealant	None Detected
52	MT-51021-149	Misc.	Room 212G: Office	12" x 12" Black w/ White Spots VFT	None Detected
				Associated Yellow Mastic	None Detected
52	MT-51021-150	Misc.	Room 212G: Office	12" x 12" Black w/ White Spots VFT	None Detected
				Associated Yellow Mastic	None Detected
53	MT-51021-151	Misc.	Room 2E3: Elevator 3	Red Textured VFT	None Detected
				Associated Yellow Mastic	None Detected

BOGGS ENVIRONMENTAL CONSULTANTS

BULK SAMPLING RESULTS

HA #	Sample #	Material Class.	Sampling Location	Building Construction Material	Asbestos (%)
53	MT-51021-152	Misc.	Room 2E3: Elevator 3	Red Textured VFT	None Detected
				Associated Yellow Mastic	None Detected
54	MT-51021-153	Misc.	Room 015: Break Room	Wood Pattern VSG	None Detected
				Associated Gray Mastic	None Detected
54	MT-51021-154	Misc.	Room 015: Break Room	Wood Pattern VSG	None Detected
				Associated Gray Mastic	None Detected

APPENDIX B

HOMOGENOUS AREA MATERIAL LOG SHEET

BOGGS ENVIRONMENTAL CONSULTANTS

Homogenous Area Building Construction Materials

HA #	Material Description	Material Category	EPA Regulated	OSHA Regulated	Material Quantity
1	Gypsum Board Sheeting	Misc.	No	No	N/A
2	**Joint Finishing Compound**	**Misc.**	**Yes**	**Yes**	**155,101 SF**
3	**Black Floor Tile Mastic**	**Misc.**	**Yes**	**Yes**	**58,917 SF**
4	**Yellow Carpet Mastic**	**Misc.**	**Yes**	**Yes**	**63,110 SF**
5	2' x 4' White Pinhole & Puncture ACT	Misc.	No	No	N/A
6	2' x 2' White Pinhole & Puncture ACT	Misc.	No	No	N/A
7	Tan Vinyl Cove Base w/ Mastic	Misc.	No	No	N/A
8	2' x 2' White Textured ACT	Misc.	No	No	N/A
9	12" x 12" Dark Blue w/ Black Spots VFT	Misc.	No	No	N/A
10	12" x 12" Off-White w/ Black Spots VFT	Misc.	No	No	N/A
11	12" x 12" Brown w/ Black Spots VFT	Misc.	No	No	N/A
12	12" x 12" Pink w/ Multicolored Spots VFT	Misc.	No	No	N/A
13	Brown Metal Duct Seam Sealant	Misc.	No	No	N/A
14	White Pipe Insulation Mastic	Misc.	No	No	N/A
15	Red Fire Stop	Misc.	No	No	N/A
16	**Off-White Pipe Wrap Mastic**	**Misc.**	**Yes**	**Yes**	**652 LF**
17	Gray Metal Duct Seam Sealant	Misc.	No	No	N/A
18	Gray Vinyl Cove Base w/ Mastic	Misc.	No	No	N/A
19	12" x 12" Light Blue w/ Black Spots VFT	Misc.	No	No	N/A
20	Maroon Vinyl Cove Base w/ Mastic	Misc.	No	No	N/A
21	2' x 4' White Small & Large Pinhole ACT	Misc.	No	No	N/A
22	12" x 12" Navy Blue w/ Light Blue Specks VFT	Misc.	No	No	N/A
23	Navy Blue Vinyl Cove Base w/ Mastic	Misc.	No	No	N/A
24	Black Vinyl Cove Base w/ Mastic	Misc.	No	No	N/A
25	12" x 12" Light Blue w/ Blue Specks VFT	Misc.	No	No	N/A
26	Navy Blue Vinyl Stair Tread w/ Mastic	Misc.	No	No	N/A
27	Beige VFT under Carpet	Misc.	No	No	N/A
28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Misc.	No	No	N/A
29	2' x 2' White Pinhole & Fissure ACT	Misc.	No	No	N/A
30	**White Duct Insulation Mastic**	**Misc.**	**Yes**	**Yes**	**300 LF**
31	12" x 12" Marble Pattern Flooring VFT	Misc.	No	No	N/A
32	Finished Plaster	Surfacing	No	No	N/A
33	12" x 12" Tan w/ Brown & Green Specks VFT	Misc.	No	No	N/A
34	**12" x 12" Tan w/ Brown Specks VFT**	**Misc.**	**Yes**	**Yes**	**282 SF**
35	12" x 12" Off-White w/ Tan Specks VFT	Misc.	No	No	N/A
36	White Interior Duct Insulation	Misc.	No	No	N/A
37	12" x 12" White w/ Black Specks VFT	Misc.	No	No	N/A
38	12" x 12" Gray/Orange w/ Black Spots VFT	Misc.	No	No	N/A
39	18" x 18" Gray VFT & Mastic	Misc.	No	No	N/A
40	Gray Spray Applied Fireproofing	Surfacing	No	No	N/A

HA #	Material Description	Material Category	EPA Regulated	OSHA Regulated	Material Quantity
41	Dark Gray Vinyl Cove Base w/ Mastic	Misc.	No	No	N/A
42	Brown Vinyl Cove Base w/ Mastic	Misc.	No	No	N/A
43	18" x 18" Gray/Red w/ Black Spots VFT & Mastic	Misc.	No	No	N/A
44	Black Vinyl Threshold Strip	Misc.	No	No	N/A
45	18" x 18" Orange VFT & Mastic	Misc.	No	No	N/A
46	18" x 18" Marble Pattern VFT & Mastic	Misc.	No	No	N/A
47	Yellow Textured VFT	Misc.	No	No	N/A
48	Purple & Orange VSG	Misc.	No	No	N/A
49	**Tan Ceiling Insulation Pin Mastic**	**Misc.**	**Yes**	**Yes**	**2,715 SF**
50	12" x 12" Pink w/ Black Spots VFT & Mastic	Misc.	No	No	N/A
51	Black Tar Sealant	Misc.	No	No	N/A
52	12" x 12" Black w/ White Spots VFT & Mastic	Misc.	No	No	N/A
53	Red Textured VFT & Mastic	Misc.	No	No	N/A
54	Wood Pattern VSG & Mastic	Misc.	No	No	N/A

Presumed-Asbestos Containing Building Construction Materials

HA #	Material Description	Material Category	EPA Regulated	OSHA Regulated	Material Quantity
P1	**12" x 12" Gray Ceramic Floor Tile Grout & Thinset**	**Misc.**	**YES**	**YES**	**1,722 SF**
P2	**12" x 12" Tan Ceramic Wall Tile Grout & Adhesive**	**Misc.**	**YES**	**YES**	**5,861 SF**
P3	**1" x 1" Brown Ceramic Floor Tile Grout & Thinset**	**Misc.**	**YES**	**YES**	**247 SF**
P4	**Vibration Dampening Cloth**	**Misc.**	**YES**	**YES**	**5 SF**
P5	**Fire Door**	**Misc.**	**YES**	**YES**	**17 Each**
P6	**Gray Ceramic Floor & Wall Tile Grout & Adhesive**	**Misc.**	**YES**	**YES**	**645 SF**
P7	**Multicolor Ceramic Wall Tile Grout & Adhesive**	**Misc.**	**YES**	**YES**	**120 SF**

APPENDIX C

BUILDING CONSTRUCTION MATERIALS LOCATION

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	600C	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	6th	600B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	173	SF	Good	**Presumed**
MC RC	MT	6th	600B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600B	2	Joint Finishing Compound	Walls	173	SF	Good	**2% Chrysotile**
MC RC	MT	6th	600B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600A	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	6th	600A	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	173	SF	Good	**Presumed**
MC RC	MT	6th	600A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600A	2	Joint Finishing Compound	Walls	173	SF	Good	**2% Chrysotile**
MC RC	MT	6th	600A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	2	Joint Finishing Compound	Walls	2832	SF	Good	**2% Chrysotile**
MC RC	MT	6th	625	3	Black Floor Tile Mastic	Floor	944	SF	Good	**5% Chrysotile**
MC RC	MT	6th	625	4	Yellow Carpet Mastic	Floor	944	SF	Good	**2% Chrysotile**
MC RC	MT	6th	625	16	Off-White Pipe Wrap Mastic	Plenum	60	LF	Good	**5% Chrysotile**
MC RC	MT	6th	625	8	2' x 2' White Textured ACT	Between Corridor 600 & Offices 601-602	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	624	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	6th	623	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	623	2	Joint Finishing Compound	Walls	516	SF	Good	**2% Chrysotile**
MC RC	MT	6th	623	3	Black Floor Tile Mastic	Floor	158	SF	Good	**5% Chrysotile**
MC RC	MT	6th	623	4	Yellow Carpet Mastic	Floor	158	SF	Good	**2% Chrysotile**
MC RC	MT	6th	623	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	623	16	Off-White Pipe Wrap Mastic	Plenum	20	LF	Good	**5% Chrysotile**
MC RC	MT	6th	623	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	622	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	622	2	Joint Finishing Compound	Walls	646	SF	Good	**2% Chrysotile**
MC RC	MT	6th	622	3	Black Floor Tile Mastic	Floor	261	SF	Good	**5% Chrysotile**
MC RC	MT	6th	622	4	Yellow Carpet Mastic	Floor	261	SF	Good	**2% Chrysotile**
MC RC	MT	6th	622	16	Off-White Pipe Wrap Mastic	Plenum	15	LF	Good	**5% Chrysotile**
MC RC	MT	6th	622	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	622	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	621	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	621	2	Joint Finishing Compound	Walls	648	SF	Good	**2% Chrysotile**
MC RC	MT	6th	621	3	Black Floor Tile Mastic	Floor	262	SF	Good	**5% Chrysotile**
MC RC	MT	6th	621	4	Yellow Carpet Mastic	Floor	262	SF	Good	**2% Chrysotile**
MC RC	MT	6th	621	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	621	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	620	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	620	2	Joint Finishing Compound	Walls	584	SF	Good	**2% Chrysotile**
MC RC	MT	6th	620	3	Black Floor Tile Mastic	Floor	193	SF	Good	**5% Chrysotile**
MC RC	MT	6th	620	4	Yellow Carpet Mastic	Floor	193	SF	Good	**2% Chrysotile**
MC RC	MT	6th	620	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	620	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	619	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	619	2	Joint Finishing Compound	Walls	646	SF	Good	**2% Chrysotile**
MC RC	MT	6th	619	3	Black Floor Tile Mastic	Floor	259	SF	Good	**5% Chrysotile**
MC RC	MT	6th	619	4	Yellow Carpet Mastic	Floor	259	SF	Good	**2% Chrysotile**
MC RC	MT	6th	619	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	619	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	618	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	618	2	Joint Finishing Compound	Walls	655	SF	Good	**2% Chrysotile**
MC RC	MT	6th	618	3	Black Floor Tile Mastic	Floor	269	SF	Good	**5% Chrysotile**
MC RC	MT	6th	618	4	Yellow Carpet Mastic	Floor	269	SF	Good	**2% Chrysotile**
MC RC	MT	6th	618	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	618	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	617	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	617	2	Joint Finishing Compound	Walls	646	SF	Good	**2% Chrysotile**
MC RC	MT	6th	617	3	Black Floor Tile Mastic	Floor	259	SF	Good	**5% Chrysotile**
MC RC	MT	6th	617	4	Yellow Carpet Mastic	Floor	259	SF	Good	**2% Chrysotile**
MC RC	MT	6th	617	16	Off-White Pipe Wrap Mastic	Plenum	15	LF	Good	**5% Chrysotile**
MC RC	MT	6th	617	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	617	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	616	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	616	2	Joint Finishing Compound	Walls	516	SF	Good	**2% Chrysotile**
MC RC	MT	6th	616	3	Black Floor Tile Mastic	Floor	158	SF	Good	**5% Chrysotile**
MC RC	MT	6th	616	4	Yellow Carpet Mastic	Floor	158	SF	Good	**2% Chrysotile**
MC RC	MT	6th	616	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	616	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	2	Joint Finishing Compound	Walls	330	SF	Good	**2% Chrysotile**
MC RC	MT	6th	615	9	12" x 12" Dark Blue w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	6th	615	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	614	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	614	2	Joint Finishing Compound	Walls	516	SF	Good	**2% Chrysotile**
MC RC	MT	6th	614	3	Black Floor Tile Mastic	Floor	158	SF	Good	**5% Chrysotile**
MC RC	MT	6th	614	4	Yellow Carpet Mastic	Floor	158	SF	Good	**2% Chrysotile**
MC RC	MT	6th	614	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	614	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	613	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	17	SF	Good	**Presumed**
MC RC	MT	6th	612	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	612	2	Joint Finishing Compound	Walls	390	SF	Good	**2% Chrysotile**
MC RC	MT	6th	612	3	Black Floor Tile Mastic	Floor	120	SF	Good	**5% Chrysotile**
MC RC	MT	6th	612	4	Yellow Carpet Mastic	Floor	120	SF	Good	**2% Chrysotile**
MC RC	MT	6th	612	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	612	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	611	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	611	2	Joint Finishing Compound	Walls	520	SF	Good	**2% Chrysotile**
MC RC	MT	6th	611	3	Black Floor Tile Mastic	Floor	161	SF	Good	**5% Chrysotile**
MC RC	MT	6th	611	4	Yellow Carpet Mastic	Floor	161	SF	Good	**2% Chrysotile**
MC RC	MT	6th	611	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	611	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	51	Black Tar Sealant	On Pipe Insulation	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	13	Brown Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	6th	609	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	609	2	Joint Finishing Compound	Walls	656	SF	Good	**2% Chrysotile**
MC RC	MT	6th	609	3	Black Floor Tile Mastic	Floor	267	SF	Good	**5% Chrysotile**
MC RC	MT	6th	609	4	Yellow Carpet Mastic	Floor	267	SF	Good	**2% Chrysotile**
MC RC	MT	6th	609	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	609	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	2	Joint Finishing Compound	Walls	340	SF	Good	**2% Chrysotile**
MC RC	MT	6th	608	9	12" x 12" Dark Blue w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	3	Black Floor Tile Mastic	Floor	70	SF	Good	**5% Chrysotile**
MC RC	MT	6th	608	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	607	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	607	2	Joint Finishing Compound	Walls	650	SF	Good	**2% Chrysotile**
MC RC	MT	6th	607	3	Black Floor Tile Mastic	Floor	262	SF	Good	**5% Chrysotile**
MC RC	MT	6th	607	4	Yellow Carpet Mastic	Floor	262	SF	Good	**2% Chrysotile**
MC RC	MT	6th	607	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	607	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	6th	606	9	12" x 12" Dark Blue w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	3	Black Floor Tile Mastic	Floor	61	SF	Good	**5% Chrysotile**
MC RC	MT	6th	606	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	605	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	605	2	Joint Finishing Compound	Walls	670	SF	Good	**2% Chrysotile**
MC RC	MT	6th	605	3	Black Floor Tile Mastic	Floor	270	SF	Good	**5% Chrysotile**
MC RC	MT	6th	605	4	Yellow Carpet Mastic	Floor	270	SF	Good	**2% Chrysotile**
MC RC	MT	6th	605	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	605	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	604	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	604	2	Joint Finishing Compound	Walls	876	SF	Good	**2% Chrysotile**
MC RC	MT	6th	604	3	Black Floor Tile Mastic	Floor	120	SF	Good	**5% Chrysotile**
MC RC	MT	6th	604	4	Yellow Carpet Mastic	Floor	120	SF	Good	**2% Chrysotile**
MC RC	MT	6th	604	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	604	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	603	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	603	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	6th	603	3	Black Floor Tile Mastic	Floor	112	SF	Good	**5% Chrysotile**
MC RC	MT	6th	603	4	Yellow Carpet Mastic	Floor	112	SF	Good	**2% Chrysotile**
MC RC	MT	6th	603	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	603	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	602	1	Gypsum Board Sheeting	West Wall	N/A	N/A	N/A	None Detected
MC RC	MT	6th	602	2	Joint Finishing Compound	West Wall	403	SF	Good	**2% Chrysotile**
MC RC	MT	6th	602	3	Black Floor Tile Mastic	Floor	124	SF	Good	**5% Chrysotile**
MC RC	MT	6th	602	4	Yellow Carpet Mastic	Floor	124	SF	Good	**2% Chrysotile**
MC RC	MT	6th	602	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	602	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	601	1	Gypsum Board Sheeting	East Wall	N/A	N/A	N/A	None Detected
MC RC	MT	6th	601	2	Joint Finishing Compound	East Wall	403	SF	Good	**2% Chrysotile**
MC RC	MT	6th	601	3	Black Floor Tile Mastic	Floor	124	SF	Good	**5% Chrysotile**
MC RC	MT	6th	601	4	Yellow Carpet Mastic	Floor	124	SF	Good	**2% Chrysotile**
MC RC	MT	6th	601	16	Off-White Pipe Wrap Mastic	Plenum	10	LF	Good	**5% Chrysotile**
MC RC	MT	6th	601	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	601	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	10	12" x 12" Off-White w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	11	12" x 12" Brown w/ Black Spots VFT & Mastic	Elevator Lobby Area	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	3	Black Floor Tile Mastic	Floor	325	SF	Good	**5% Chrysotile**
MC RC	MT	6th	600	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	2	Joint Finishing Compound	Walls	1138	SF	Good	**2% Chrysotile**
MC RC	MT	6th	600	6	2' x 2' White Pinhole & Puncture ACT	North Hallway Section	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	8	2' x 2' White Textured ACT	Elevator Lobby Area	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	535A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	5th	534B	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	17	SF	Good	**Presumed**
MC RC	MT	5th	534A	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	5th	534A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	5th	531A	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	5th	526C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526C	2	Joint Finishing Compound	Walls	380	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526C	3	Black Floor Tile Mastic	Floor	90	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526C	4	Yellow Carpet Mastic	Floor	90	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526B	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526B	3	Black Floor Tile Mastic	Floor	60	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526B	4	Yellow Carpet Mastic	Floor	60	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526A	2	Joint Finishing Compound	Walls	432	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526A	3	Black Floor Tile Mastic	Floor	114	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526A	4	Yellow Carpet Mastic	Floor	114	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512B	2	Joint Finishing Compound	Walls	490	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512B	3	Black Floor Tile Mastic	Floor	150	SF	Good	**5% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	512B	4	Yellow Carpet Mastic	Floor	150	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512A	2	Joint Finishing Compound	Walls	490	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512A	3	Black Floor Tile Mastic	Floor	150	SF	Good	**5% Chrysotile**
MC RC	MT	5th	512A	4	Yellow Carpet Mastic	Floor	150	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	5th	500B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	5th	500B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500B	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	5th	500A	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	5th	500A	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	5th	500A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500A	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	5th	592	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	2	Joint Finishing Compound	Walls	1360	SF	Good	**2% Chrysotile**
MC RC	MT	5th	592	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	3	Black Floor Tile Mastic	Floor	327	SF	Good	**5% Chrysotile**
MC RC	MT	5th	592	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	2	Joint Finishing Compound	Walls	1490	SF	Good	**2% Chrysotile**
MC RC	MT	5th	591	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	3	Black Floor Tile Mastic	Floor	360	SF	Good	**5% Chrysotile**
MC RC	MT	5th	591	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	2	Joint Finishing Compound	Walls	464	SF	Good	**2% Chrysotile**
MC RC	MT	5th	530	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	3	Black Floor Tile Mastic	Floor	132	SF	Good	**5% Chrysotile**
MC RC	MT	5th	530	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	529	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	529	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	529	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	529	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	529	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	529	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	528	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	528	2	Joint Finishing Compound	Walls	460	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	528	3	Black Floor Tile Mastic	Floor	130	SF	Good	**5% Chrysotile**
MC RC	MT	5th	528	4	Yellow Carpet Mastic	Floor	130	SF	Good	**2% Chrysotile**
MC RC	MT	5th	528	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	528	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	527	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	527	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	527	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	527	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	527	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	527	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526	2	Joint Finishing Compound	Walls	966	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526	3	Black Floor Tile Mastic	Floor	575	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526	4	Yellow Carpet Mastic	Floor	575	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	525	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	525	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	5th	525	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	525	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	525	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	525	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	524	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	524	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	5th	524	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	524	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	524	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	524	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	523	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	523	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	5th	523	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	523	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	523	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	523	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	522	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	522	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	522	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	522	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	522	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	522	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	521	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	521	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	521	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	521	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	521	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	521	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	520	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	520	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	520	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	520	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	520	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	520	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	519	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	519	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	519	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	519	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	519	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	519	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	518	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	518	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	518	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	518	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	518	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	518	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	517	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	517	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	517	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	517	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	517	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	517	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	2	Joint Finishing Compound	Walls	388	SF	Good	**2% Chrysotile**
MC RC	MT	5th	516	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	3	Black Floor Tile Mastic	Floor	94	SF	Good	**5% Chrysotile**
MC RC	MT	5th	516	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	514	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	514	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	514	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	514	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	514	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	514	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	513	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	513	2	Joint Finishing Compound	Walls	330	SF	Good	**2% Chrysotile**
MC RC	MT	5th	513	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	5th	513	4	Yellow Carpet Mastic	Floor	65	SF	Good	**2% Chrysotile**
MC RC	MT	5th	513	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	513	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512	3	Black Floor Tile Mastic	Floor	60	SF	Good	**5% Chrysotile**
MC RC	MT	5th	512	4	Yellow Carpet Mastic	Floor	60	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	511	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	511	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	511	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	511	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	511	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	511	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	510	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	510	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	510	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	510	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	510	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	510	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	509	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	509	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	509	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	509	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	509	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	509	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	508	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	508	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	508	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	508	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	508	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	508	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	507	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	507	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	507	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	507	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	507	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	507	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	506	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	506	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	506	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	506	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	506	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	506	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	505	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	505	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	505	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	505	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	505	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	505	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	504	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	504	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	504	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	504	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	504	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	504	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	503	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	503	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	503	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	503	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	503	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	503	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502	2	Joint Finishing Compound	Walls	369	SF	Good	**2% Chrysotile**
MC RC	MT	5th	502	3	Black Floor Tile Mastic	Floor	84	SF	Good	**5% Chrysotile**
MC RC	MT	5th	502	4	Yellow Carpet Mastic	Floor	84	SF	Good	**2% Chrysotile**
MC RC	MT	5th	502	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	501	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	501	2	Joint Finishing Compound	Walls	369	SF	Good	**2% Chrysotile**
MC RC	MT	5th	501	3	Black Floor Tile Mastic	Floor	84	SF	Good	**5% Chrysotile**
MC RC	MT	5th	501	4	Yellow Carpet Mastic	Floor	84	SF	Good	**2% Chrysotile**
MC RC	MT	5th	501	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	501	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	2	Joint Finishing Compound	Walls	595	SF	Good	**2% Chrysotile**
MC RC	MT	5th	500	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	3	Black Floor Tile Mastic	Floor	327	SF	Good	**5% Chrysotile**
MC RC	MT	5th	500	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	434A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433A	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	17	SF	Good	**Presumed**
MC RC	MT	4th	433A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431D	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431D	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431D	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431D	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431D	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431C	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431C	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431C	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431B	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431B	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431B	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431A	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431A	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431A	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	431A	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	430A	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	4th	429B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429B	2	Joint Finishing Compound	Walls	226	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429B	3	Black Floor Tile Mastic	Floor	32	SF	Good	**5% Chrysotile**
MC RC	MT	4th	429B	4	Yellow Carpet Mastic	Floor	32	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429A	2	Joint Finishing Compound	Walls	600	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429A	3	Black Floor Tile Mastic	Floor	200	SF	Good	**5% Chrysotile**
MC RC	MT	4th	429A	4	Yellow Carpet Mastic	Floor	200	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	2	Joint Finishing Compound	Walls	270	SF	Good	**2% Chrysotile**
MC RC	MT	4th	428A	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	3	Black Floor Tile Mastic	Floor	45	SF	Good	**5% Chrysotile**
MC RC	MT	4th	428A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427C	2	Joint Finishing Compound	Walls	230	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427C	3	Black Floor Tile Mastic	Floor	34	SF	Good	**5% Chrysotile**
MC RC	MT	4th	427C	4	Yellow Carpet Mastic	Floor	34	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427A	2	Joint Finishing Compound	Walls	600	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427A	3	Black Floor Tile Mastic	Floor	200	SF	Good	**5% Chrysotile**
MC RC	MT	4th	427A	4	Yellow Carpet Mastic	Floor	200	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	2	Joint Finishing Compound	Walls	2498	SF	Good	**2% Chrysotile**
MC RC	MT	4th	492	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	North & East Corridor	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	3	Black Floor Tile Mastic	Floor	613	SF	Good	**5% Chrysotile**
MC RC	MT	4th	492	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492		Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	2	Joint Finishing Compound	Walls	2634	SF	Good	**2% Chrysotile**
MC RC	MT	4th	491	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	South & West Corridor	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	3	Black Floor Tile Mastic	Floor	687	SF	Good	**5% Chrysotile**
MC RC	MT	4th	491	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	433	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433	13	Brown Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429	2	Joint Finishing Compound	Walls	642	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429	3	Black Floor Tile Mastic	Floor	257	SF	Good	**5% Chrysotile**
MC RC	MT	4th	429	4	Yellow Carpet Mastic	Floor	257	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	2	Joint Finishing Compound	Walls	326	SF	Good	**2% Chrysotile**
MC RC	MT	4th	428	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	3	Black Floor Tile Mastic	Floor	107	SF	Good	**5% Chrysotile**
MC RC	MT	4th	428	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427	2	Joint Finishing Compound	Walls	653	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427	3	Black Floor Tile Mastic	Floor	262	SF	Good	**5% Chrysotile**
MC RC	MT	4th	427	4	Yellow Carpet Mastic	Floor	262	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	426	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	426	2	Joint Finishing Compound	Walls	360	SF	Good	**2% Chrysotile**
MC RC	MT	4th	426	3	Black Floor Tile Mastic	Floor	80	SF	Good	**5% Chrysotile**
MC RC	MT	4th	426	4	Yellow Carpet Mastic	Floor	80	SF	Good	**2% Chrysotile**
MC RC	MT	4th	426	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	426	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	425	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	425	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	425	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	425	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	425	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	425	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	424	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	424	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	424	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	424	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	424	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	424	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	423	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	423	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	423	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	423	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	423	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	423	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	422	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	422	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	422	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	422	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	422	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	422	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	421	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	421	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	421	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	421	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	421	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	421	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	420	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	420	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	420	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	420	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	420	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	420	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	419	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	419	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	419	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	419	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	419	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	419	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	418	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	418	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	418	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	418	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	418	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	418	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	417	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	417	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	417	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	417	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	417	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	417	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	416	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	416	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	416	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	416	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	416	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	416	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	415	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	415	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	415	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	415	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	415	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	415	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	414	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	414	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	414	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	414	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	414	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	414	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	413	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	413	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	413	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	413	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	413	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	413	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	412	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	412	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	412	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	412	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	412	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	412	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	411	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	411	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	4th	411	3	Black Floor Tile Mastic	Floor	77	SF	Good	**5% Chrysotile**
MC RC	MT	4th	411	4	Yellow Carpet Mastic	Floor	77	SF	Good	**2% Chrysotile**
MC RC	MT	4th	411	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	411	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	410	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	410	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	4th	410	3	Black Floor Tile Mastic	Floor	77	SF	Good	**5% Chrysotile**
MC RC	MT	4th	410	4	Yellow Carpet Mastic	Floor	77	SF	Good	**2% Chrysotile**
MC RC	MT	4th	410	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	410	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	409	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	409	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	409	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	409	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	409	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	409	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	408	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	408	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	408	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	408	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	408	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	408	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	407	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	407	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	407	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	407	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	407	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	407	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	406	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	406	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	406	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	406	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	406	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	406	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	405	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	405	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	405	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	405	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	405	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	405	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	404	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	404	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	404	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	404	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	404	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	404	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	403	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	403	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	403	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	403	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	403	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	403	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	402	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	4th	402	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	4th	402	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	402	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	402	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	4th	401	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	4th	401	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	4th	401	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	401	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	401	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	4th	400	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	400	2	Joint Finishing Compound	Walls	420	SF	Good	**2% Chrysotile**
MC RC	MT	4th	400	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	400	3	Black Floor Tile Mastic	Floor	207	SF	Good	**5% Chrysotile**
MC RC	MT	4th	400	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	400	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306B	2	Joint Finishing Compound	Walls	444	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306B	3	Black Floor Tile Mastic	Floor	122	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	306B	4	Yellow Carpet Mastic	Floor	122	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306B	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306B	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306A	2	Joint Finishing Compound	Walls	568	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306A	22	12" x 12" Navy Blue w/ Light Blue Specks VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	600C	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	6th	600B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	173	SF	Good	**Presumed**
MC RC	MT	6th	600B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600B	2	Joint Finishing Compound	Walls	173	SF	Good	**2% Chrysotile**
MC RC	MT	6th	600B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600A	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	6th	600A	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	173	SF	Good	**Presumed**
MC RC	MT	6th	600A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600A	2	Joint Finishing Compound	Walls	173	SF	Good	**2% Chrysotile**
MC RC	MT	6th	600A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	2	Joint Finishing Compound	Walls	2832	SF	Good	**2% Chrysotile**
MC RC	MT	6th	625	3	Black Floor Tile Mastic	Floor	944	SF	Good	**5% Chrysotile**
MC RC	MT	6th	625	4	Yellow Carpet Mastic	Floor	944	SF	Good	**2% Chrysotile**
MC RC	MT	6th	625	16	Off-White Pipe Wrap Mastic	Plenum	60	LF	Good	**5% Chrysotile**
MC RC	MT	6th	625	8	2' x 2' White Textured ACT	Between Corridor 600 & Offices 601-602	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	625	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	624	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	6th	623	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	623	2	Joint Finishing Compound	Walls	516	SF	Good	**2% Chrysotile**
MC RC	MT	6th	623	3	Black Floor Tile Mastic	Floor	158	SF	Good	**5% Chrysotile**
MC RC	MT	6th	623	4	Yellow Carpet Mastic	Floor	158	SF	Good	**2% Chrysotile**
MC RC	MT	6th	623	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	623	16	Off-White Pipe Wrap Mastic	Plenum	20	LF	Good	**5% Chrysotile**
MC RC	MT	6th	623	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	622	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	622	2	Joint Finishing Compound	Walls	646	SF	Good	**2% Chrysotile**
MC RC	MT	6th	622	3	Black Floor Tile Mastic	Floor	261	SF	Good	**5% Chrysotile**
MC RC	MT	6th	622	4	Yellow Carpet Mastic	Floor	261	SF	Good	**2% Chrysotile**
MC RC	MT	6th	622	16	Off-White Pipe Wrap Mastic	Plenum	15	LF	Good	**5% Chrysotile**
MC RC	MT	6th	622	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	622	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	621	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	621	2	Joint Finishing Compound	Walls	648	SF	Good	**2% Chrysotile**
MC RC	MT	6th	621	3	Black Floor Tile Mastic	Floor	262	SF	Good	**5% Chrysotile**
MC RC	MT	6th	621	4	Yellow Carpet Mastic	Floor	262	SF	Good	**2% Chrysotile**
MC RC	MT	6th	621	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	621	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	620	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	620	2	Joint Finishing Compound	Walls	584	SF	Good	**2% Chrysotile**
MC RC	MT	6th	620	3	Black Floor Tile Mastic	Floor	193	SF	Good	**5% Chrysotile**
MC RC	MT	6th	620	4	Yellow Carpet Mastic	Floor	193	SF	Good	**2% Chrysotile**
MC RC	MT	6th	620	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	620	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	619	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	619	2	Joint Finishing Compound	Walls	646	SF	Good	**2% Chrysotile**
MC RC	MT	6th	619	3	Black Floor Tile Mastic	Floor	259	SF	Good	**5% Chrysotile**
MC RC	MT	6th	619	4	Yellow Carpet Mastic	Floor	259	SF	Good	**2% Chrysotile**
MC RC	MT	6th	619	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	619	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	618	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	618	2	Joint Finishing Compound	Walls	655	SF	Good	**2% Chrysotile**
MC RC	MT	6th	618	3	Black Floor Tile Mastic	Floor	269	SF	Good	**5% Chrysotile**
MC RC	MT	6th	618	4	Yellow Carpet Mastic	Floor	269	SF	Good	**2% Chrysotile**
MC RC	MT	6th	618	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	618	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	617	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	617	2	Joint Finishing Compound	Walls	646	SF	Good	**2% Chrysotile**
MC RC	MT	6th	617	3	Black Floor Tile Mastic	Floor	259	SF	Good	**5% Chrysotile**
MC RC	MT	6th	617	4	Yellow Carpet Mastic	Floor	259	SF	Good	**2% Chrysotile**
MC RC	MT	6th	617	16	Off-White Pipe Wrap Mastic	Plenum	15	LF	Good	**5% Chrysotile**
MC RC	MT	6th	617	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	617	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	616	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	616	2	Joint Finishing Compound	Walls	516	SF	Good	**2% Chrysotile**
MC RC	MT	6th	616	3	Black Floor Tile Mastic	Floor	158	SF	Good	**5% Chrysotile**
MC RC	MT	6th	616	4	Yellow Carpet Mastic	Floor	158	SF	Good	**2% Chrysotile**
MC RC	MT	6th	616	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	616	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	2	Joint Finishing Compound	Walls	330	SF	Good	**2% Chrysotile**
MC RC	MT	6th	615	9	12" x 12" Dark Blue w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	6th	615	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	615	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	614	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	614	2	Joint Finishing Compound	Walls	516	SF	Good	**2% Chrysotile**
MC RC	MT	6th	614	3	Black Floor Tile Mastic	Floor	158	SF	Good	**5% Chrysotile**
MC RC	MT	6th	614	4	Yellow Carpet Mastic	Floor	158	SF	Good	**2% Chrysotile**
MC RC	MT	6th	614	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	614	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	613	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	17	SF	Good	**Presumed**
MC RC	MT	6th	612	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	612	2	Joint Finishing Compound	Walls	390	SF	Good	**2% Chrysotile**
MC RC	MT	6th	612	3	Black Floor Tile Mastic	Floor	120	SF	Good	**5% Chrysotile**
MC RC	MT	6th	612	4	Yellow Carpet Mastic	Floor	120	SF	Good	**2% Chrysotile**
MC RC	MT	6th	612	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	612	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	611	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	611	2	Joint Finishing Compound	Walls	520	SF	Good	**2% Chrysotile**
MC RC	MT	6th	611	3	Black Floor Tile Mastic	Floor	161	SF	Good	**5% Chrysotile**
MC RC	MT	6th	611	4	Yellow Carpet Mastic	Floor	161	SF	Good	**2% Chrysotile**
MC RC	MT	6th	611	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	611	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	51	Black Tar Sealant	On Pipe Insulation	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	13	Brown Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	6th	610	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	6th	609	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	609	2	Joint Finishing Compound	Walls	656	SF	Good	**2% Chrysotile**
MC RC	MT	6th	609	3	Black Floor Tile Mastic	Floor	267	SF	Good	**5% Chrysotile**
MC RC	MT	6th	609	4	Yellow Carpet Mastic	Floor	267	SF	Good	**2% Chrysotile**
MC RC	MT	6th	609	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	609	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	2	Joint Finishing Compound	Walls	340	SF	Good	**2% Chrysotile**
MC RC	MT	6th	608	9	12" x 12" Dark Blue w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	3	Black Floor Tile Mastic	Floor	70	SF	Good	**5% Chrysotile**
MC RC	MT	6th	608	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	608	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	607	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	607	2	Joint Finishing Compound	Walls	650	SF	Good	**2% Chrysotile**
MC RC	MT	6th	607	3	Black Floor Tile Mastic	Floor	262	SF	Good	**5% Chrysotile**
MC RC	MT	6th	607	4	Yellow Carpet Mastic	Floor	262	SF	Good	**2% Chrysotile**
MC RC	MT	6th	607	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	607	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	6th	606	9	12" x 12" Dark Blue w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	3	Black Floor Tile Mastic	Floor	61	SF	Good	**5% Chrysotile**
MC RC	MT	6th	606	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	606	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	605	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	605	2	Joint Finishing Compound	Walls	670	SF	Good	**2% Chrysotile**
MC RC	MT	6th	605	3	Black Floor Tile Mastic	Floor	270	SF	Good	**5% Chrysotile**
MC RC	MT	6th	605	4	Yellow Carpet Mastic	Floor	270	SF	Good	**2% Chrysotile**
MC RC	MT	6th	605	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	605	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	604	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	604	2	Joint Finishing Compound	Walls	876	SF	Good	**2% Chrysotile**
MC RC	MT	6th	604	3	Black Floor Tile Mastic	Floor	120	SF	Good	**5% Chrysotile**
MC RC	MT	6th	604	4	Yellow Carpet Mastic	Floor	120	SF	Good	**2% Chrysotile**
MC RC	MT	6th	604	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	604	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	603	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	603	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	6th	603	3	Black Floor Tile Mastic	Floor	112	SF	Good	**5% Chrysotile**
MC RC	MT	6th	603	4	Yellow Carpet Mastic	Floor	112	SF	Good	**2% Chrysotile**
MC RC	MT	6th	603	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	603	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	6th	602	1	Gypsum Board Sheeting	West Wall	N/A	N/A	N/A	None Detected
MC RC	MT	6th	602	2	Joint Finishing Compound	West Wall	403	SF	Good	**2% Chrysotile**
MC RC	MT	6th	602	3	Black Floor Tile Mastic	Floor	124	SF	Good	**5% Chrysotile**
MC RC	MT	6th	602	4	Yellow Carpet Mastic	Floor	124	SF	Good	**2% Chrysotile**
MC RC	MT	6th	602	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	602	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	601	1	Gypsum Board Sheeting	East Wall	N/A	N/A	N/A	None Detected
MC RC	MT	6th	601	2	Joint Finishing Compound	East Wall	403	SF	Good	**2% Chrysotile**
MC RC	MT	6th	601	3	Black Floor Tile Mastic	Floor	124	SF	Good	**5% Chrysotile**
MC RC	MT	6th	601	4	Yellow Carpet Mastic	Floor	124	SF	Good	**2% Chrysotile**
MC RC	MT	6th	601	16	Off-White Pipe Wrap Mastic	Plenum	10	LF	Good	**5% Chrysotile**
MC RC	MT	6th	601	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	6th	601	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	10	12" x 12" Off-White w/ Black Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	11	12" x 12" Brown w/ Black Spots VFT & Mastic	Elevator Lobby Area	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	3	Black Floor Tile Mastic	Floor	325	SF	Good	**5% Chrysotile**
MC RC	MT	6th	600	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	2	Joint Finishing Compound	Walls	1138	SF	Good	**2% Chrysotile**
MC RC	MT	6th	600	6	2' x 2' White Pinhole & Puncture ACT	North Hallway Section	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	8	2' x 2' White Textured ACT	Elevator Lobby Area	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	6th	600	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	535A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	5th	534B	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	17	SF	Good	**Presumed**
MC RC	MT	5th	534A	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	5th	534A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	5th	531A	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	5th	526C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526C	2	Joint Finishing Compound	Walls	380	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526C	3	Black Floor Tile Mastic	Floor	90	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526C	4	Yellow Carpet Mastic	Floor	90	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526B	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526B	3	Black Floor Tile Mastic	Floor	60	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526B	4	Yellow Carpet Mastic	Floor	60	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526A	2	Joint Finishing Compound	Walls	432	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526A	3	Black Floor Tile Mastic	Floor	114	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526A	4	Yellow Carpet Mastic	Floor	114	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512B	2	Joint Finishing Compound	Walls	490	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512B	3	Black Floor Tile Mastic	Floor	150	SF	Good	**5% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	512B	4	Yellow Carpet Mastic	Floor	150	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512A	2	Joint Finishing Compound	Walls	490	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512A	3	Black Floor Tile Mastic	Floor	150	SF	Good	**5% Chrysotile**
MC RC	MT	5th	512A	4	Yellow Carpet Mastic	Floor	150	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	5th	500B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	5th	500B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500B	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	5th	500A	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	5th	500A	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	5th	500A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500A	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	5th	592	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	2	Joint Finishing Compound	Walls	1360	SF	Good	**2% Chrysotile**
MC RC	MT	5th	592	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	3	Black Floor Tile Mastic	Floor	327	SF	Good	**5% Chrysotile**
MC RC	MT	5th	592	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	5th	592	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	2	Joint Finishing Compound	Walls	1490	SF	Good	**2% Chrysotile**
MC RC	MT	5th	591	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	3	Black Floor Tile Mastic	Floor	360	SF	Good	**5% Chrysotile**
MC RC	MT	5th	591	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	5th	591	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	2	Joint Finishing Compound	Walls	464	SF	Good	**2% Chrysotile**
MC RC	MT	5th	530	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	3	Black Floor Tile Mastic	Floor	132	SF	Good	**5% Chrysotile**
MC RC	MT	5th	530	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	530	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	529	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	529	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	529	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	529	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	529	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	529	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	528	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	528	2	Joint Finishing Compound	Walls	460	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	528	3	Black Floor Tile Mastic	Floor	130	SF	Good	**5% Chrysotile**
MC RC	MT	5th	528	4	Yellow Carpet Mastic	Floor	130	SF	Good	**2% Chrysotile**
MC RC	MT	5th	528	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	528	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	527	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	527	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	527	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	527	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	527	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	527	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526	2	Joint Finishing Compound	Walls	966	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526	3	Black Floor Tile Mastic	Floor	575	SF	Good	**5% Chrysotile**
MC RC	MT	5th	526	4	Yellow Carpet Mastic	Floor	575	SF	Good	**2% Chrysotile**
MC RC	MT	5th	526	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	526	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	525	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	525	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	5th	525	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	525	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	525	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	525	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	524	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	524	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	5th	524	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	524	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	524	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	524	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	523	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	523	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	5th	523	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	523	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	523	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	523	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	522	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	522	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	522	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	522	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	522	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	522	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	521	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	521	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	521	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	521	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	521	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	521	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	520	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	520	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	520	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	5th	520	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	5th	520	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	520	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	519	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	519	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	519	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	519	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	519	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	519	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	518	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	518	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	518	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	518	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	518	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	518	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	517	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	517	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	517	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	517	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	517	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	517	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	2	Joint Finishing Compound	Walls	388	SF	Good	**2% Chrysotile**
MC RC	MT	5th	516	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	3	Black Floor Tile Mastic	Floor	94	SF	Good	**5% Chrysotile**
MC RC	MT	5th	516	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	516	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	514	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	514	2	Joint Finishing Compound	Walls	364	SF	Good	**2% Chrysotile**
MC RC	MT	5th	514	3	Black Floor Tile Mastic	Floor	82	SF	Good	**5% Chrysotile**
MC RC	MT	5th	514	4	Yellow Carpet Mastic	Floor	82	SF	Good	**2% Chrysotile**
MC RC	MT	5th	514	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	514	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	513	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	513	2	Joint Finishing Compound	Walls	330	SF	Good	**2% Chrysotile**
MC RC	MT	5th	513	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	5th	513	4	Yellow Carpet Mastic	Floor	65	SF	Good	**2% Chrysotile**
MC RC	MT	5th	513	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	513	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512	3	Black Floor Tile Mastic	Floor	60	SF	Good	**5% Chrysotile**
MC RC	MT	5th	512	4	Yellow Carpet Mastic	Floor	60	SF	Good	**2% Chrysotile**
MC RC	MT	5th	512	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	512	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	511	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	511	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	511	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	511	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	511	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	511	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	510	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	510	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	510	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	510	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	510	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	510	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	509	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	509	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	509	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	509	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	509	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	509	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	508	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	508	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	508	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	508	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	508	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	508	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	507	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	507	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	507	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	507	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	507	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	507	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	506	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	506	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	506	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	506	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	506	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	506	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	505	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	505	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	505	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	505	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	505	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	505	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	504	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	504	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	5th	504	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	504	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	504	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	504	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	503	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	503	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	5th	503	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	5th	503	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	5th	503	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	503	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502	2	Joint Finishing Compound	Walls	369	SF	Good	**2% Chrysotile**
MC RC	MT	5th	502	3	Black Floor Tile Mastic	Floor	84	SF	Good	**5% Chrysotile**
MC RC	MT	5th	502	4	Yellow Carpet Mastic	Floor	84	SF	Good	**2% Chrysotile**
MC RC	MT	5th	502	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	502	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	501	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	501	2	Joint Finishing Compound	Walls	369	SF	Good	**2% Chrysotile**
MC RC	MT	5th	501	3	Black Floor Tile Mastic	Floor	84	SF	Good	**5% Chrysotile**
MC RC	MT	5th	501	4	Yellow Carpet Mastic	Floor	84	SF	Good	**2% Chrysotile**
MC RC	MT	5th	501	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	501	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	2	Joint Finishing Compound	Walls	595	SF	Good	**2% Chrysotile**
MC RC	MT	5th	500	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	3	Black Floor Tile Mastic	Floor	327	SF	Good	**5% Chrysotile**
MC RC	MT	5th	500	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	5th	500	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	434A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433A	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	17	SF	Good	**Presumed**
MC RC	MT	4th	433A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431D	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431D	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431D	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431D	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431D	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431C	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431C	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431C	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431B	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431B	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431B	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431A	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431A	3	Black Floor Tile Mastic	Floor	78	SF	Good	**5% Chrysotile**
MC RC	MT	4th	431A	4	Yellow Carpet Mastic	Floor	78	SF	Good	**2% Chrysotile**
MC RC	MT	4th	431A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	431A	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	431A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	430A	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	4th	429B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429B	2	Joint Finishing Compound	Walls	226	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429B	3	Black Floor Tile Mastic	Floor	32	SF	Good	**5% Chrysotile**
MC RC	MT	4th	429B	4	Yellow Carpet Mastic	Floor	32	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429A	2	Joint Finishing Compound	Walls	600	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429A	3	Black Floor Tile Mastic	Floor	200	SF	Good	**5% Chrysotile**
MC RC	MT	4th	429A	4	Yellow Carpet Mastic	Floor	200	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	2	Joint Finishing Compound	Walls	270	SF	Good	**2% Chrysotile**
MC RC	MT	4th	428A	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	3	Black Floor Tile Mastic	Floor	45	SF	Good	**5% Chrysotile**
MC RC	MT	4th	428A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427C	2	Joint Finishing Compound	Walls	230	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427C	3	Black Floor Tile Mastic	Floor	34	SF	Good	**5% Chrysotile**
MC RC	MT	4th	427C	4	Yellow Carpet Mastic	Floor	34	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427A	2	Joint Finishing Compound	Walls	600	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427A	3	Black Floor Tile Mastic	Floor	200	SF	Good	**5% Chrysotile**
MC RC	MT	4th	427A	4	Yellow Carpet Mastic	Floor	200	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	2	Joint Finishing Compound	Walls	2498	SF	Good	**2% Chrysotile**
MC RC	MT	4th	492	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	North & East Corridor	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	3	Black Floor Tile Mastic	Floor	613	SF	Good	**5% Chrysotile**
MC RC	MT	4th	492	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492		Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	4th	492	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	2	Joint Finishing Compound	Walls	2634	SF	Good	**2% Chrysotile**
MC RC	MT	4th	491	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	South & West Corridor	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	3	Black Floor Tile Mastic	Floor	687	SF	Good	**5% Chrysotile**
MC RC	MT	4th	491	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	491	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	433	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433	13	Brown Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	4th	433	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429	2	Joint Finishing Compound	Walls	642	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429	3	Black Floor Tile Mastic	Floor	257	SF	Good	**5% Chrysotile**
MC RC	MT	4th	429	4	Yellow Carpet Mastic	Floor	257	SF	Good	**2% Chrysotile**
MC RC	MT	4th	429	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	429	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	2	Joint Finishing Compound	Walls	326	SF	Good	**2% Chrysotile**
MC RC	MT	4th	428	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	3	Black Floor Tile Mastic	Floor	107	SF	Good	**5% Chrysotile**
MC RC	MT	4th	428	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	428	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427	2	Joint Finishing Compound	Walls	653	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427	3	Black Floor Tile Mastic	Floor	262	SF	Good	**5% Chrysotile**
MC RC	MT	4th	427	4	Yellow Carpet Mastic	Floor	262	SF	Good	**2% Chrysotile**
MC RC	MT	4th	427	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	427	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	426	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	426	2	Joint Finishing Compound	Walls	360	SF	Good	**2% Chrysotile**
MC RC	MT	4th	426	3	Black Floor Tile Mastic	Floor	80	SF	Good	**5% Chrysotile**
MC RC	MT	4th	426	4	Yellow Carpet Mastic	Floor	80	SF	Good	**2% Chrysotile**
MC RC	MT	4th	426	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	426	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	425	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	425	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	425	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	425	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	425	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	425	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	424	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	424	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	424	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	424	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	424	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	424	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	423	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	423	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	423	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	423	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	423	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	423	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	422	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	422	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	422	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	422	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	422	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	422	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	421	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	421	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	421	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	421	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	421	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	421	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	420	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	420	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	420	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	420	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	420	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	420	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	419	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	419	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	419	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	419	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	419	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	419	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	418	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	418	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	418	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	418	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	418	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	418	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	417	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	417	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	417	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	417	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	417	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	417	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	416	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	416	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	416	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	416	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	416	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	416	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	415	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	415	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	415	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	415	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	415	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	415	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	414	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	414	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	414	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	414	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	414	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	414	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	413	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	413	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	413	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	413	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	413	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	413	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	412	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	412	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	412	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	412	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	412	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	412	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	411	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	411	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	4th	411	3	Black Floor Tile Mastic	Floor	77	SF	Good	**5% Chrysotile**
MC RC	MT	4th	411	4	Yellow Carpet Mastic	Floor	77	SF	Good	**2% Chrysotile**
MC RC	MT	4th	411	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	411	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	410	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	410	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	4th	410	3	Black Floor Tile Mastic	Floor	77	SF	Good	**5% Chrysotile**
MC RC	MT	4th	410	4	Yellow Carpet Mastic	Floor	77	SF	Good	**2% Chrysotile**
MC RC	MT	4th	410	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	410	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	409	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	409	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	409	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	409	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	409	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	409	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	408	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	408	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	408	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	408	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	408	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	408	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	407	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	407	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	407	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	407	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	407	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	407	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	406	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	406	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	4th	406	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	406	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	406	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	406	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	405	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	405	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	405	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	405	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	405	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	405	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	404	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	404	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	404	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	404	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	404	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	404	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	403	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	403	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	4th	403	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	4th	403	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	4th	403	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	403	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	402	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	4th	402	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	4th	402	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	402	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	402	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	4th	401	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	4th	401	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	4th	401	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	401	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	401	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	4th	400	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	4th	400	2	Joint Finishing Compound	Walls	420	SF	Good	**2% Chrysotile**
MC RC	MT	4th	400	12	12" x 12" Pink w/ Multicolored Spots VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	4th	400	3	Black Floor Tile Mastic	Floor	207	SF	Good	**5% Chrysotile**
MC RC	MT	4th	400	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	4th	400	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306B	2	Joint Finishing Compound	Walls	444	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306B	3	Black Floor Tile Mastic	Floor	122	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	306B	4	Yellow Carpet Mastic	Floor	122	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306B	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306B	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306A	2	Joint Finishing Compound	Walls	568	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306A	22	12" x 12" Navy Blue w/ Light Blue Specks VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	3rd	306A	3	Black Floor Tile Mastic	Floor	184	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	306A	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306A	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305E	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305E	2	Joint Finishing Compound	Walls	388	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305E	3	Black Floor Tile Mastic	Floor	93	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	305E	4	Yellow Carpet Mastic	Floor	93	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305E	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305E	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305D	2	Joint Finishing Compound	Walls	388	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305D	3	Black Floor Tile Mastic	Floor	93	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	305D	4	Yellow Carpet Mastic	Floor	93	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305D	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305D	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305C	2	Joint Finishing Compound	Walls	388	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305C	3	Black Floor Tile Mastic	Floor	93	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	305C	4	Yellow Carpet Mastic	Floor	93	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305C	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305C	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	145	SF	Good	**Presumed**
MC RC	MT	3rd	305B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	418	SF	Good	**Presumed**
MC RC	MT	3rd	305B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305B	2	Joint Finishing Compound	Walls	418	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305A	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	158	SF	Good	**Presumed**
MC RC	MT	3rd	305A	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	444	SF	Good	**Presumed**
MC RC	MT	3rd	305A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305A	2	Joint Finishing Compound	Walls	444	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	304B	51	Black Tar Sealant	On Pipe Insulation	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304B	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304B	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304B	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304B	36	White Interior Duct Insulation	South Corner	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303T	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303T	2	Joint Finishing Compound	Walls	510	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303T	3	Black Floor Tile Mastic	Under Carpet	150	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303T	4	Yellow Carpet Mastic	Under Carpet	150	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303T	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303T	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303S	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303S	2	Joint Finishing Compound	Walls	430	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303S	3	Black Floor Tile Mastic	Under Carpet	115	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303S	4	Yellow Carpet Mastic	Under Carpet	115	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303S	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	3rd	303S	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303R	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303R	2	Joint Finishing Compound	Walls	420	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303R	3	Black Floor Tile Mastic	Under Carpet	109	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303R	4	Yellow Carpet Mastic	Under Carpet	109	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303R	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303R	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303Q	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303Q	2	Joint Finishing Compound	Walls	1425	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303Q	4	Yellow Carpet Mastic	Eastern Hallway between 303R & 303E	475	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303Q	27	Beige VFT under Carpet	Eastern Hallway between 303R & 303E	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303Q	3	Black Floor Tile Mastic	North, South, & West Corridors	567	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303Q	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303Q	4	Yellow Carpet Mastic	North, South, & West Corridors	567	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303P	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303P	2	Joint Finishing Compound	Walls	282	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303P	3	Black Floor Tile Mastic	Under Carpet	60	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303P	4	Yellow Carpet Mastic	Under Carpet	60	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303P	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303P	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303P	27	Beige VFT under Carpet	Along North Wall, Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303N	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303N	2	Joint Finishing Compound	Walls	566	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303N	4	Yellow Carpet Mastic	Under Carpet	200	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303N	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303N	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303N	27	Beige VFT under Carpet	By Entrance, Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303N	3	Black Floor Tile Mastic	Beige VFT	20	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303M	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303M	2	Joint Finishing Compound	Walls	332	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303M	4	Yellow Carpet Mastic	Under Carpet	68	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303M	27	Beige VFT under Carpet	Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303M	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303M	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303L	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303L	2	Joint Finishing Compound	Walls	632	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303L	4	Yellow Carpet Mastic	Under Carpet	240	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303L	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303L	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303L	27	Beige VFT under Carpet	By Entrance, Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303K	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303K	2	Joint Finishing Compound	Walls	200	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303K	4	Yellow Carpet Mastic	Under Carpet	141	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	3rd	303K	27	Beige VFT under Carpet	Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303K	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303K	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303J	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303J	2	Joint Finishing Compound	Walls	566	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303J	4	Yellow Carpet Mastic	Under Carpet	200	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303J	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303J	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303J	27	Beige VFT under Carpet	By Entrance, Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303H	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303H	2	Joint Finishing Compound	Walls	360	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303H	3	Black Floor Tile Mastic	Under Carpet	80	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303H	4	Yellow Carpet Mastic	Under Carpet	80	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303H	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303H	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303G	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303G	2	Joint Finishing Compound	Walls	472	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303G	3	Black Floor Tile Mastic	Under Carpet	140	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303G	4	Yellow Carpet Mastic	Under Carpet	140	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303G	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303G	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303F	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303F	2	Joint Finishing Compound	Walls	314	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303F	37	12" x 12" White w/ Black Specks VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303F	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303F	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303E	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303E	2	Joint Finishing Compound	Walls	360	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303E	3	Black Floor Tile Mastic	Under Carpet	80	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303E	4	Yellow Carpet Mastic	Under Carpet	80	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303E	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303E	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303D	2	Joint Finishing Compound	Walls	370	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303D	3	Black Floor Tile Mastic	Under Carpet	89	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303D	4	Yellow Carpet Mastic	Under Carpet	89	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303D	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303D	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303C	2	Joint Finishing Compound	Walls	366	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303C	3	Black Floor Tile Mastic	Under Carpet	84	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303C	4	Yellow Carpet Mastic	Under Carpet	84	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303B	2	Joint Finishing Compound	Walls	366	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	303B	3	Black Floor Tile Mastic	Under Carpet	84	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	303B	4	Yellow Carpet Mastic	Under Carpet	84	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	3rd	303B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	303A	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	3rd	302C	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	3rd	302C	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	3rd	302C	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	302C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	302C	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	302B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	3rd	302B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	3rd	302B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	302B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	302B	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	302A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301C	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301B	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301B	13	Brown Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301B	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301B	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301A	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	50	SF	Good	**Presumed**
MC RC	MT	3rd	301A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	307	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	307	2	Joint Finishing Compound	Walls	290	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	307	22	12" x 12" Navy Blue w/ Light Blue Specks VFT	Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	307	3	Black Floor Tile Mastic	Under Carpet	460	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	307	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	307	23	Navy Blue Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306	2	Joint Finishing Compound	Walls	1508	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306	3	Black Floor Tile Mastic	Floor	2737	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	306	4	Yellow Carpet Mastic	Floor	2737	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	306	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306	29	2' x 2' White Pinhole & Fissure ACT	Ceiling -- Around Perimeter	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	306	30	White Duct Insulation Mastic	Plenum- Corridor	80	LF	Good	**10% Chrysotile**
MC RC	MT	3rd	306	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305	2	Joint Finishing Compound	Walls	1478	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305	3	Black Floor Tile Mastic	Floor	2679	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	305	4	Yellow Carpet Mastic	Floor	2679	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	305	31	12" x 12" Marble Pattern Flooring VFT & Mastic	Under Carpet-- Through Center Columns	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling--Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305	29	2' x 2' White Pinhole & Fissure ACT	Ceiling--Around NW Perimeter	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	305	30	White Duct Insulation Mastic	Plenum- Corridor	100	LF	Good	**10% Chrysotile**
MC RC	MT	3rd	305	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	3rd	304	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304	2	Joint Finishing Compound	Walls	1508	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	304	3	Black Floor Tile Mastic	Floor	2737	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	304	4	Yellow Carpet Mastic	Floor	2737	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	304	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	304	30	White Duct Insulation Mastic	Plenum- Corridor	70	LF	Good	**10% Chrysotile**
MC RC	MT	3rd	304	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301	2	Joint Finishing Compound	Walls	3246	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	301	3	Black Floor Tile Mastic	Floor	6075	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	301	4	Yellow Carpet Mastic	Floor	6075	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	301	5	2' x 4' White Pinhole & Puncture ACT	Eastern Edge, Surrounding Room 301B	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Between 303 offices & 3E3 Elev 3	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301	30	White Duct Insulation Mastic	Plenum- Corridor	50	LF	Good	**10% Chrysotile**
MC RC	MT	3rd	301	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	301	25	12" x 12" Light Blue w/ Blue Specks VFT & Mastic	At Entrance to 3SE Stair 5	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C3	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C3	2	Joint Finishing Compound	Walls	652	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	2C3	19	12" x 12" Light Blue w/ Black Spots VFT & Mastic	Throughout Majority of Corridor	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C3	3	Black Floor Tile Mastic	Throughout Floor	272	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	2C3	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C3	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C3	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C3	48	Purple & Orange VSG & Mastic	Throughout Western End of Corridor	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C2	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C2	2	Joint Finishing Compound	Walls	518	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	2C2	19	12" x 12" Light Blue w/ Black Spots VFT & Mastic	Throughout--Floor	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C2	3	Black Floor Tile Mastic	Throughout Floor	208	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	2C2	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C2	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C1	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C1	2	Joint Finishing Compound	Walls	518	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	2C1	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C1	19	12" x 12" Light Blue w/ Black Spots VFT & Mastic	Throughout-- Floor	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2C1	3	Black Floor Tile Mastic	Throughout Floor	208	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	2C1	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227E	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227E	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	227E	19	12" x 12" Light Blue w/ Black Spots VFT & Mastic	Throughout Floor	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227E	3	Black Floor Tile Mastic	Throughout Floor	62	SF	Good	**5% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	227E	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227E	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227E	16	Off-White Pipe Wrap Mastic	Around Pipes	20	LF	Good	**5% Chrysotile**
MC RC	MT	2nd	227D	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	2nd	227C	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	2nd	227C	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	2nd	227C	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227C	2	Joint Finishing Compound	Walls	242	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	227B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	58	SF	Good	**Presumed**
MC RC	MT	2nd	227B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	2nd	227B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	227B	2	Joint Finishing Compound	Walls	242	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	227A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226C	2	Joint Finishing Compound	Walls	750	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226C	4	Yellow Carpet Mastic	Under Carpet	351	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226C	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226C	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226B	2	Joint Finishing Compound	Walls	510	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226B	4	Yellow Carpet Mastic	Under Carpet	150	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226B	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226B	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226A	2	Joint Finishing Compound	Walls	520	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226A	3	Black Floor Tile Mastic	Floor	160	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	226A	4	Yellow Carpet Mastic	Floor	160	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	219 Closet	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	219 Closet	2	Joint Finishing Compound	Walls	226	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	219 Closet	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	219 Closet	19	12" x 12" Light Blue w/ Black Spots VFT & Mastic	Throughout--Floor	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	219 Closet	3	Black Floor Tile Mastic	Floor	33	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	219 Closet	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218K	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218K	2	Joint Finishing Compound	Walls	586	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218K	3	Black Floor Tile Mastic	Floor	215	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218K	4	Yellow Carpet Mastic	Floor	215	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218K	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218K	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218J	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218J	2	Joint Finishing Compound	Walls	318	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218J	3	Black Floor Tile Mastic	Floor	58	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218J	4	Yellow Carpet Mastic	Floor	58	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218J	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	218J	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218I	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218I	2	Joint Finishing Compound	Walls	450	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218I	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218I	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218I	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218I	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218H	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218H	2	Joint Finishing Compound	Walls	328	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218H	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218H	4	Yellow Carpet Mastic	Floor	65	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218H	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218H	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218G	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218G	2	Joint Finishing Compound	Walls	328	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218G	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218G	4	Yellow Carpet Mastic	Floor	65	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218G	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218G	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218F	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218F	2	Joint Finishing Compound	Walls	384	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218F	3	Black Floor Tile Mastic	Floor	90	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218F	4	Yellow Carpet Mastic	Floor	90	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218F	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218F	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218E	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218E	2	Joint Finishing Compound	Walls	384	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218E	3	Black Floor Tile Mastic	Floor	90	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218E	4	Yellow Carpet Mastic	Floor	90	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218E	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218E	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218D	2	Joint Finishing Compound	Walls	328	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218D	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218D	4	Yellow Carpet Mastic	Floor	65	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218D	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218D	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218C	2	Joint Finishing Compound	Walls	328	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218C	3	Black Floor Tile Mastic	Floor	65	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218C	4	Yellow Carpet Mastic	Floor	65	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218C	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218B	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218B	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218B	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	218B	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218A	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218A	3	Black Floor Tile Mastic	Floor	76	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218A	4	Yellow Carpet Mastic	Floor	76	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218A	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	215A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214B	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	214B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214B	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214B	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214B	50	12" x 12" Pink w/ Black Spots VFT & Mastic	Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214B	3	Black Floor Tile Mastic	Under Carpet	76	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	214A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214A	2	Joint Finishing Compound	Walls	360	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	214A	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214A	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214A	50	12" x 12" Pink w/ Black Spots VFT & Mastic	Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214A	3	Black Floor Tile Mastic	Under Carpet	80	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	213A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213A	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	213A	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213A	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213A	3	Black Floor Tile Mastic	Under Carpet	60	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	213A	4	Yellow Carpet Mastic	Under Carpet	60	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212G	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212G	2	Joint Finishing Compound	Walls	502	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212G	3	Black Floor Tile Mastic	Floor	140	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212G	4	Yellow Carpet Mastic	Floor	140	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212G	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212G	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212F	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212F	2	Joint Finishing Compound	Walls	396	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212F	3	Black Floor Tile Mastic	Floor	100	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212F	4	Yellow Carpet Mastic	Floor	100	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212F	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212F	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212F	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212E	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212E	2	Joint Finishing Compound	Walls	412	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212E	3	Black Floor Tile Mastic	Floor	110	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212E	4	Yellow Carpet Mastic	Floor	110	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212E	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212E	16	Off-White Pipe Wrap Mastic	Plenum	5	LF	Good	**5% Chrysotile**
MC RC	MT	2nd	212E	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	212D	2	Joint Finishing Compound	Walls	412	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212D	3	Black Floor Tile Mastic	Floor	110	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212D	4	Yellow Carpet Mastic	Floor	110	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212D	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212D	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212C	2	Joint Finishing Compound	Walls	412	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212C	3	Black Floor Tile Mastic	Floor	110	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212C	4	Yellow Carpet Mastic	Floor	110	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212C	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212C	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212B	2	Joint Finishing Compound	Walls	510	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212B	3	Black Floor Tile Mastic	Floor	150	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212B	4	Yellow Carpet Mastic	Floor	150	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212B	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212B	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212A	2	Joint Finishing Compound	Walls	566	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212A	3	Black Floor Tile Mastic	Floor	200	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212A	4	Yellow Carpet Mastic	Floor	200	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212A	20	Maroon Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	209C	17	Gray Metal Duct Seam Sealant	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	209C	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	147	SF	Good	**Presumed**
MC RC	MT	2nd	203B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203B	2	Joint Finishing Compound	Walls	416	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	203B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	416	SF	Good	**Presumed**
MC RC	MT	2nd	203B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203A	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	157	SF	Good	**Presumed**
MC RC	MT	2nd	203A	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	442	SF	Good	**Presumed**
MC RC	MT	2nd	203A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203A	2	Joint Finishing Compound	Walls	442	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202E	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202E	2	Joint Finishing Compound	Walls	260	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202E	4	Yellow Carpet Mastic	Under Carpet	47	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202E	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202E	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202D	2	Joint Finishing Compound	Walls	260	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202D	4	Yellow Carpet Mastic	Under Carpet	47	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202D	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202D	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202C	2	Joint Finishing Compound	Walls	310	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	202C	4	Yellow Carpet Mastic	Under Carpet	50	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202C	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202B	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202A	36	White Interior Duct Insulation	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202A	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202A	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	201A	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	48	SF	Good	**Presumed**
MC RC	MT	2nd	201A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226	2	Joint Finishing Compound	Walls	716	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226	3	Black Floor Tile Mastic	Floor	315	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	226	4	Yellow Carpet Mastic	Floor	315	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	226	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	226	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	225	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	225	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	225	3	Black Floor Tile Mastic	Floor	75	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	225	4	Yellow Carpet Mastic	Floor	75	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	225	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	225	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	224	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	224	2	Joint Finishing Compound	Walls	340	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	224	3	Black Floor Tile Mastic	Floor	70	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	224	4	Yellow Carpet Mastic	Floor	70	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	224	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	224	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	223	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	223	2	Joint Finishing Compound	Walls	352	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	223	3	Black Floor Tile Mastic	Floor	75	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	223	4	Yellow Carpet Mastic	Floor	75	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	223	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	223	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	222	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	222	2	Joint Finishing Compound	Walls	346	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	222	3	Black Floor Tile Mastic	Floor	72	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	222	4	Yellow Carpet Mastic	Floor	72	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	222	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	222	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	221	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	221	2	Joint Finishing Compound	Walls	346	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	221	3	Black Floor Tile Mastic	Floor	72	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	221	4	Yellow Carpet Mastic	Floor	72	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	221	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	221	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	220	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	220	2	Joint Finishing Compound	Walls	346	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	220	3	Black Floor Tile Mastic	Floor	72	SF	Good	**5% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	220	4	Yellow Carpet Mastic	Floor	72	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	220	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	220	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	219	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	219	2	Joint Finishing Compound	Walls	346	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	219	3	Black Floor Tile Mastic	Floor	72	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	219	4	Yellow Carpet Mastic	Floor	72	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	219	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	219	7	Tan Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218	2	Joint Finishing Compound	Walls	928	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218	3	Black Floor Tile Mastic	Floor	500	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	218	4	Yellow Carpet Mastic	Floor	500	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	218	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	218	7	Tan Vinyl Cove Base w/ Mastic	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214	2	Joint Finishing Compound	Walls	896	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	214	50	12" x 12" Pink w/ Black Spots VFT & Mastic	Under Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214	3	Black Floor Tile Mastic	Floor	483	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	214	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	214	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213	2	Joint Finishing Compound	Walls	818	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	213	20	Maroon Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213	8	2' x 2' White Textured ACT	Ceiling--Center of Room	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213	21	2' x 4' White Small & Large Pinhole ACT	Ceiling--Western Corner of Room	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	213	3	Black Floor Tile Mastic	Under Carpet	436	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	213	4	Yellow Carpet Mastic	Under Carpet	436	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	213	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212	2	Joint Finishing Compound	Walls	1060	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212	3	Black Floor Tile Mastic	Floor	720	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	212	4	Yellow Carpet Mastic	Floor	720	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	212G	52	12" x 12" Black w/ White Spots VFT & Mastic	Kitchenette	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212	5	2' x 4' White Pinhole & Puncture ACT	SE corner--Kitchenette	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212	8	2' x 2' White Textured ACT	Ceiling--Hallway	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212	16	Off-White Pipe Wrap Mastic	Plenum--Hallway	15	LF	Good	**5% Chrysotile**
MC RC	MT	2nd	212	20	Maroon Vinyl Cove Base w/ Mastic	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	212	32	Finished Plaster	Ceiling--Main Office Area	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	206	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	206	2	Joint Finishing Compound	Walls	1442	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	206	4	Yellow Carpet Mastic	Floor	1265	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	206	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	206	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	205	1	Gypsum Board Sheeting	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	205	2	Joint Finishing Compound	Walls	1440	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	205	4	Yellow Carpet Mastic	Floor	1260	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	205	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	205	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	204	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	204	2	Joint Finishing Compound	Walls	1280	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	204	4	Yellow Carpet Mastic	Under Carpet	1685	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	204	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	NW corner--Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	204	29	2' x 2' White Pinhole & Fissure ACT	Throughout--Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	204	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203	2	Joint Finishing Compound	Walls	1700	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	203	4	Yellow Carpet Mastic	Under Carpet	3664	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	203	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203	32	Finished Plaster	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	203	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202	2	Joint Finishing Compound	Walls	1665	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202	4	Yellow Carpet Mastic	Under Carpet	3378	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	202	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	202	29	2' x 2' White Pinhole & Fissure ACT	Ceiling--Wrapped around Interior Rooms	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	201	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	201	2	Joint Finishing Compound	Walls	362	SF	Good	**2% Chrysotile**
MC RC	MT	2nd	201	25	12" x 12" Light Blue w/ Blue Specks VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	201	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	201	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	201	4	Yellow Carpet Mastic	South West Edge of Hall, Under Carpet	100	SF	Good	**2% Chrysotile**
MC RC	MT	1st	109	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	109	2	Joint Finishing Compound	Walls	615	SF	Good	**2% Chrysotile**
MC RC	MT	1st	109	3	Black Floor Tile Mastic	Floor	282	SF	Good	**5% Chrysotile**
MC RC	MT	1st	109	34	12" x 12" Tan w/ Brown Specks VFT	Floor	282	SF	Good	**10% Chrysotile**
MC RC	MT	1st	109	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	109	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	108	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	108	2	Joint Finishing Compound	Walls	405	SF	Good	**2% Chrysotile**
MC RC	MT	1st	108	3	Black Floor Tile Mastic	Floor	125	SF	Good	**5% Chrysotile**
MC RC	MT	1st	108	4	Yellow Carpet Mastic	Floor	125	SF	Good	**2% Chrysotile**
MC RC	MT	1st	108	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	108	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	107A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	1st	107A	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	1st	107	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	107	2	Joint Finishing Compound	Walls	600	SF	Good	**2% Chrysotile**
MC RC	MT	1st	107	3	Black Floor Tile Mastic	Floor	275	SF	Good	**5% Chrysotile**
MC RC	MT	1st	107	4	Yellow Carpet Mastic	Floor	275	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	1st	107	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	107	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	110	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	110	2	Joint Finishing Compound	Walls	1195	SF	Good	**2% Chrysotile**
MC RC	MT	1st	110	3	Black Floor Tile Mastic	Floor	1133	SF	Good	**5% Chrysotile**
MC RC	MT	1st	110	4	Yellow Carpet Mastic	Floor	1133	SF	Good	**2% Chrysotile**
MC RC	MT	1st	110	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	110	25	12" x 12" Light Blue w/ Blue Specks VFT & Mastic	Under Bookcases	N/A	N/A	N/A	None Detected
MC RC	MT	1st	110	33	12" x 12" Tan w/ Brown & Green Specks VFT	Under Bookcases	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112	33	12" x 12" Tan w/ Brown & Green Specks VFT	Near Corridor 190 Entrance	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112	3	Black Floor Tile Mastic	Floor	5025	SF	Good	**5% Chrysotile**
MC RC	MT	1st	112	4	Yellow Carpet Mastic	Floor	4620	SF	Good	**2% Chrysotile**
MC RC	MT	1st	112	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112	2	Joint Finishing Compound	Walls	3400	SF	Good	**2% Chrysotile**
MC RC	MT	1st	112	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112D	2	Joint Finishing Compound	Walls	450	SF	Good	**2% Chrysotile**
MC RC	MT	1st	112D	3	Black Floor Tile Mastic	Floor	149	SF	Good	**5% Chrysotile**
MC RC	MT	1st	112D	4	Yellow Carpet Mastic	Floor	149	SF	Good	**2% Chrysotile**
MC RC	MT	1st	112D	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112D	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112C	2	Joint Finishing Compound	Walls	510	SF	Good	**2% Chrysotile**
MC RC	MT	1st	112C	3	Black Floor Tile Mastic	Floor	201	SF	Good	**5% Chrysotile**
MC RC	MT	1st	112C	4	Yellow Carpet Mastic	Floor	201	SF	Good	**2% Chrysotile**
MC RC	MT	1st	112C	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112C	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111B	2	Joint Finishing Compound	Walls	702	SF	Good	**2% Chrysotile**
MC RC	MT	1st	111B	3	Black Floor Tile Mastic	Floor	348	SF	Good	**5% Chrysotile**
MC RC	MT	1st	111B	4	Yellow Carpet Mastic	Floor	348	SF	Good	**2% Chrysotile**
MC RC	MT	1st	111B	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111B	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111A	2	Joint Finishing Compound	Walls	480	SF	Good	**2% Chrysotile**
MC RC	MT	1st	111A	3	Black Floor Tile Mastic	Floor	175	SF	Good	**5% Chrysotile**
MC RC	MT	1st	111A	4	Yellow Carpet Mastic	Floor	175	SF	Good	**2% Chrysotile**
MC RC	MT	1st	111A	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111A	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111	2	Joint Finishing Compound	Walls	504	SF	Good	**2% Chrysotile**
MC RC	MT	1st	111	3	Black Floor Tile Mastic	Floor	195	SF	Good	**5% Chrysotile**
MC RC	MT	1st	111	4	Yellow Carpet Mastic	Floor	195	SF	Good	**2% Chrysotile**
MC RC	MT	1st	111	21	2' x 4' White Small & Large Pinhole ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	111	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	1st	112A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	1st	110A	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	48	SF	Good	**Presumed**
MC RC	MT	1st	110A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112B	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112B	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112B	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	1st	112B	36	White Interior Duct Insulation	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	113A	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	150	SF	Good	**Presumed**
MC RC	MT	1st	113A	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	435	SF	Good	**Presumed**
MC RC	MT	1st	113A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	113B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	145	SF	Good	**Presumed**
MC RC	MT	1st	113B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	420	SF	Good	**Presumed**
MC RC	MT	1st	113B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	1 SE Stair 5	26	Navy Blue Vinyl Stair Tread w/ Mastic	Stairs	N/A	N/A	N/A	None Detected
MC RC	MT	1st	1 SE Stair 5	25	12" x 12" Light Blue w/ Blue Specks VFT & Mastic	On Landings	N/A	N/A	N/A	None Detected
MC RC	MT	1st	1 SE Stair 5	3	Black Floor Tile Mastic	Below Stairs, under carpet in storage space	300	SF	Good	**5% Chrysotile**
MC RC	MT	1st	115	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	115	3	Black Floor Tile Mastic	Floor	154	SF	Good	**5% Chrysotile**
MC RC	MT	1st	115	4	Yellow Carpet Mastic	Floor	154	SF	Good	**2% Chrysotile**
MC RC	MT	1st	115	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	115	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	115	2	Joint Finishing Compound	Walls	320	SF	Good	**2% Chrysotile**
MC RC	MT	1st	114	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	114	2	Joint Finishing Compound	Walls	425	SF	Good	**2% Chrysotile**
MC RC	MT	1st	114	3	Black Floor Tile Mastic	Floor	135	SF	Good	**5% Chrysotile**
MC RC	MT	1st	114	4	Yellow Carpet Mastic	Floor	135	SF	Good	**2% Chrysotile**
MC RC	MT	1st	114	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	114	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	114A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	114A	2	Joint Finishing Compound	Walls	515	SF	Good	**2% Chrysotile**
MC RC	MT	1st	114A	3	Black Floor Tile Mastic	Floor	205	SF	Good	**5% Chrysotile**
MC RC	MT	1st	114A	4	Yellow Carpet Mastic	Floor	205	SF	Good	**2% Chrysotile**
MC RC	MT	1st	114A	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	114A	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	104D	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	1st	104A	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	1st	102	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	102	2	Joint Finishing Compound	Walls	200	SF	Good	**2% Chrysotile**
MC RC	MT	1st	102	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	102	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	102	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101	2	Joint Finishing Compound	Walls	740	SF	Good	**2% Chrysotile**
MC RC	MT	1st	101	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101A	2	Joint Finishing Compound	Walls	190	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	1st	101A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101A	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101B	2	Joint Finishing Compound	Walls	380	SF	Good	**2% Chrysotile**
MC RC	MT	1st	101B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101B	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101C	2	Joint Finishing Compound	Walls	350	SF	Good	**2% Chrysotile**
MC RC	MT	1st	101C	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	101C	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	113	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	113	2	Joint Finishing Compound	Walls	2765	SF	Good	**2% Chrysotile**
MC RC	MT	1st	113	3	Black Floor Tile Mastic	Floor	3438	SF	Good	**5% Chrysotile**
MC RC	MT	1st	113	4	Yellow Carpet Mastic	Floor	3438	SF	Good	**2% Chrysotile**
MC RC	MT	1st	113	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	113	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	113	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	113	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	116	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	116	2	Joint Finishing Compound	Walls	3945	SF	Good	**2% Chrysotile**
MC RC	MT	1st	116	3	Black Floor Tile Mastic	Floor	3897	SF	Good	**5% Chrysotile**
MC RC	MT	1st	116	4	Yellow Carpet Mastic	Floor	3897	SF	Good	**2% Chrysotile**
MC RC	MT	1st	116	24	Black Vinyl Cove Base w/ Mastic	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	116	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	116	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	116	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	116	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	190	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	1st	190	2	Joint Finishing Compound	Walls	1200	SF	Good	**2% Chrysotile**
MC RC	MT	1st	190	45	18" x 18" Orange VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	1st	190	46	18" x 18" Marble Pattern VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	1st	190	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	1st	190	14	White Pipe Insulation Mastic	Plenum	N/A	N/A	N/A	None Detected
MC RC	MT	1st	190	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	104C	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	60	SF	Good	**Presumed**
MC RC	MT	1st	104C	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	270	SF	Good	**Presumed**
MC RC	MT	1st	104C	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	1st	104B	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	60	SF	Good	**Presumed**
MC RC	MT	1st	104B	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	270	SF	Good	**Presumed**
MC RC	MT	1st	104B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002	23	Navy Blue Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002	3	Black Floor Tile Mastic	Floor	3600	SF	Good	**5% Chrysotile**
MC RC	MT	Ground	002	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002	2	Joint Finishing Compound	Walls	2900	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	002C	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	Ground	002R	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002R	2	Joint Finishing Compound	Walls	615	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	002R	3	Black Floor Tile Mastic	Floor	218	SF	Good	**5% Chrysotile**
MC RC	MT	Ground	002R	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002R	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001D	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	60	SF	Good	**Presumed**
MC RC	MT	Ground	001D	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	Ground	001D	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001E	P1	12" x 12" Gray Ceramic Floor Tile Grout & Thinset	Floor	60	SF	Good	**Presumed**
MC RC	MT	Ground	001E	P2	12" x 12" Tan Ceramic Wall Tile Grout & Adhesive	Walls	240	SF	Good	**Presumed**
MC RC	MT	Ground	001E	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	090	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	090	2	Joint Finishing Compound	Walls	1185	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	090	43	18" x 18" Gray/Red w/ Black Spots VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	090	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	090	42	Brown Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001	2	Joint Finishing Compound	Walls	620	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	001	43	18" x 18" Gray/Red w/ Black Spots VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001	38	12" x 12" Gray/Orange w/ Black Spots VFT	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001	42	Brown Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001	44	Black Vinyl Threshold Strip	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001	P7	Multicolor Ceramic Wall Tile Grout & Adhesive	Wall	120	SF	Good	**Presumed**
MC RC	MT	Ground	001A	43	18" x 18" Gray/Red w/ Black Spots VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001A	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001A	2	Joint Finishing Compound	Walls	252	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	001A	42	Brown Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002B	19	12" x 12" Light Blue w/ Black Spots VFT & Mastic	Throughout--Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002B	2	Joint Finishing Compound	Walls	400	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	002B	41	Dark Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	002B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001B	2	Joint Finishing Compound	Walls	400	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	001B	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001B	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	001C	N/A	No HA Materials Present	N/A	N/A	N/A	N/A	N/A
MC RC	MT	Ground	020	32	Finished Plaster	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020	2	Joint Finishing Compound	Walls	1665	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	020	3	Black Floor Tile Mastic	Floor	355	SF	Good	**5% Chrysotile**
MC RC	MT	Ground	020	35	12" x 12" Off-White w/ Tan Specks VFT	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020	4	Yellow Carpet Mastic	Floor	3200	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	020	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	Ground	020	16	Off-White Pipe Wrap Mastic	Plenum-Near Mech Room and Along Exterior Wall	215	LF	Good	**5% Chrysotile**
MC RC	MT	Ground	020E	16	Off-White Pipe Wrap Mastic	Ceiling	172	LF	Good	**5% Chrysotile**
MC RC	MT	Ground	020E	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020E	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020F	22	12" x 12" Navy Blue w/ Light Blue Specks VFT	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020F	3	Black Floor Tile Mastic	Floor	110	SF	Good	**5% Chrysotile**
MC RC	MT	Ground	020F	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020F	2	Joint Finishing Compound	Walls	374	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	020F	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020F	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020G	3	Black Floor Tile Mastic	Below Carpet	840	SF	Good	**5% Chrysotile**
MC RC	MT	Ground	020G	35	12" x 12" Off-White w/ Tan Specks VFT	Below Carpet	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020G	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020G	2	Joint Finishing Compound	Walls	1044	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	020G	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020G	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024A	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024A	40	Gray Spray Applied Fireproofing	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	020G	16	Off-White Pipe Wrap Mastic	Plenum	80	LF	Good	**5% Chrysotile**
MC RC	MT	Ground	024B	2	Joint Finishing Compound	Walls	420	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	024B	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024B	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	021	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	021	2	Joint Finishing Compound	Walls	430	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	021	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	021	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	021	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024C	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024C	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	024C	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	019	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	019	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	019	2	Joint Finishing Compound	Walls	120	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	019	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	019	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	018	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	018	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	018	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	018	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	018	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	018	2	Joint Finishing Compound	Walls	1080	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	022	P6	Gray Ceramic Floor & Wall Tile Grout & Adhesive	Floors & Wall	127	SF	Good	**Presumed**
MC RC	MT	Ground	022	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	Ground	022	2	Joint Finishing Compound	Walls	192	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	022	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	023	P6	Gray Ceramic Floor & Wall Tile Grout & Adhesive	Floors & Wall	265	SF	Good	**Presumed**
MC RC	MT	Ground	023	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	023	2	Joint Finishing Compound	Walls	450	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	023	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	025	P6	Gray Ceramic Floor & Wall Tile Grout & Adhesive	Floors & Wall	253	SF	Good	**Presumed**
MC RC	MT	Ground	025	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	025	2	Joint Finishing Compound	Walls	450	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	025	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026	2	Joint Finishing Compound	Walls	315	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	026	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026D	2	Joint Finishing Compound	Walls	115	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	026A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026A	2	Joint Finishing Compound	Walls	315	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	026A	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026A	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026B	2	Joint Finishing Compound	Walls	395	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	026B	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026B	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026C	2	Joint Finishing Compound	Walls	240	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	026C	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026C	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	026C	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	004	3	Black Floor Tile Mastic	Floor	57	SF	Good	**5% Chrysotile**
MC RC	MT	Ground	004	37	12" x 12" White w/ Black Specks VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	004	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	004	2	Joint Finishing Compound	Walls	384	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	004	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	004	15	Red Fire Stop	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	005	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	005	2	Joint Finishing Compound	Walls	432	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	005	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	005	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	005	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	005	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	006	P3	1" x 1" Brown Ceramic Floor Tile Grout & Thinset	Floor	50	SF	Good	**Presumed**
MC RC	MT	Ground	006	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	006	16	Off-White Pipe Wrap Mastic	Plenum	25	LF	Good	**5% Chrysotile**
MC RC	MT	Ground	008	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	008	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	008	2	Joint Finishing Compound	Walls	400	SF	Good	**2% Chrysotile**

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	Ground	008	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	015	54	Wood Pattern VSG & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	015	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	015	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	015	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	015	2	Joint Finishing Compound	Walls	535	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	016	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	016	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	016	2	Joint Finishing Compound	Walls	900	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	016	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	013	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	013	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	013	2	Joint Finishing Compound	Walls	414	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	013	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	017	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	017	41	Dark Gray Vinyl Cove Base w/ Mastic	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	017	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	017	2	Joint Finishing Compound	Walls	792	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	017	5	2' x 4' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	093	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	093	2	Joint Finishing Compound	Walls	936	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	093	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	093	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	093	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	094	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	094	2	Joint Finishing Compound	Walls	1440	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	094	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	094	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	094	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	092	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	092	41	Dark Gray Vinyl Cove Base w/ Mastic	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	095	41	Dark Gray Vinyl Cove Base w/ Mastic	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	095	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	095	2	Joint Finishing Compound	Walls	740	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	095	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	095	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	095	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	096	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	096	2	Joint Finishing Compound	Walls	624	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	096	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	096	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	096	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	097	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	097	2	Joint Finishing Compound	Walls	756	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	097	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	097	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	097	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	012	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	Ground	012	2	Joint Finishing Compound	Walls	480	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	012	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	012	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	011	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	011	2	Joint Finishing Compound	Walls	396	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	011	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	011	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	098	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	098	2	Joint Finishing Compound	Walls	252	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	098	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	098	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	098	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	098	P5	Fire Door	Walls	2	Door	Good	**Presumed**
MC RC	MT	Ground	010	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	010	2	Joint Finishing Compound	Walls	1296	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	010	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	010	39	18" x 18" Gray VFT & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	010	P4	Vibration Dampening Cloth	HVAC Ductwork	5	SF	Good	**Presumed**
MC RC	MT	Ground	010	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	010	P5	Fire Door	Walls	2	Door	Good	**Presumed**
MC RC	MT	Ground	010	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009P	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009P	2	Joint Finishing Compound	Walls	460	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009P	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009P	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009N	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009N	2	Joint Finishing Compound	Walls	415	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009N	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009N	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009M	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009M	2	Joint Finishing Compound	Walls	415	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009M	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009M	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009L	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009L	2	Joint Finishing Compound	Walls	425	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009L	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009L	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009K	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009K	2	Joint Finishing Compound	Walls	425	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009K	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009K	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009	2	Joint Finishing Compound	Walls	1800	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009	6	2' x 2' White Pinhole & Puncture ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009A	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009A	2	Joint Finishing Compound	Walls	465	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009A	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

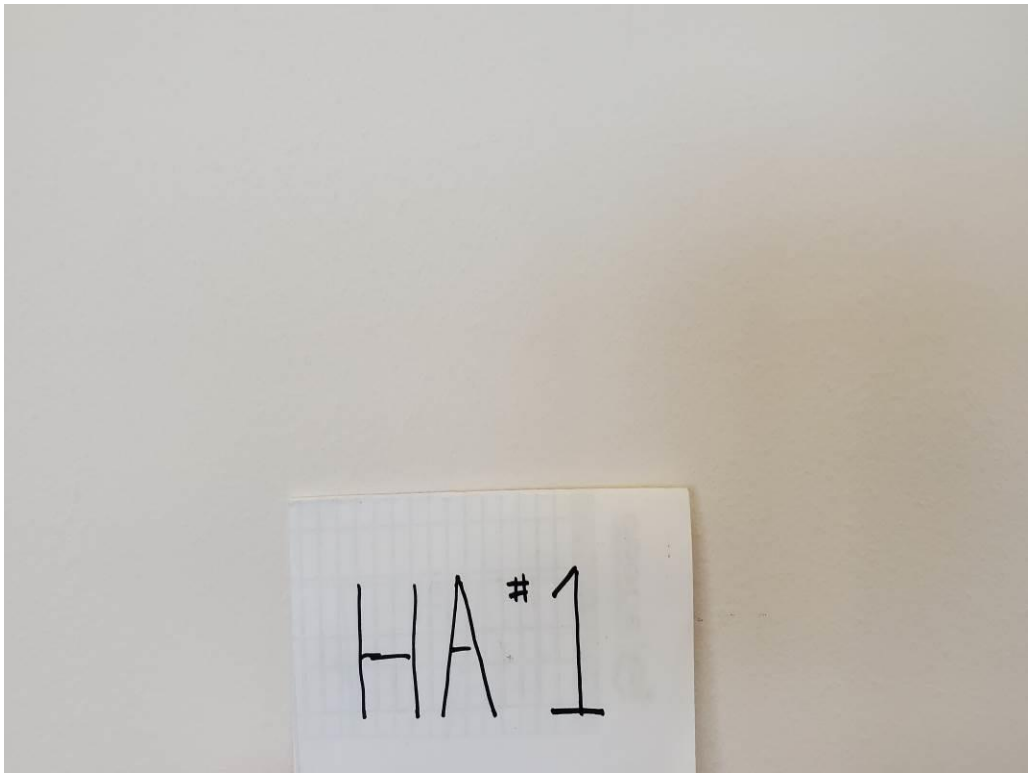
Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	Ground	009A	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009B	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009B	2	Joint Finishing Compound	Walls	374	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009B	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009B	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009C	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009C	2	Joint Finishing Compound	Walls	408	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009C	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009C	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009D	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009D	2	Joint Finishing Compound	Walls	238	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009D	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009D	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009E	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009E	2	Joint Finishing Compound	Walls	442	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009E	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009E	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009J	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009J	2	Joint Finishing Compound	Walls	400	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009J	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009J	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009H	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009H	2	Joint Finishing Compound	Walls	435	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009H	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009H	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009F	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009F	2	Joint Finishing Compound	Walls	395	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009F	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009F	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009G	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009G	2	Joint Finishing Compound	Walls	408	SF	Good	**2% Chrysotile**
MC RC	MT	Ground	009G	18	Gray Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Ground	009G	8	2' x 2' White Textured ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	Stairs	Stair 3	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Stairs	Stair 3	2	Joint Finishing Compound	Walls	740	SF	Good	**2% Chrysotile**
MC RC	MT	Stairs	Stair 3	P5	Fire Door	Walls	3	Door	Good	**Presumed**
MC RC	MT	Stairs	Stair 4	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Stairs	Stair 4	2	Joint Finishing Compound	Walls	740	SF	Good	**2% Chrysotile**
MC RC	MT	Stairs	Stair 4	P5	Fire Door	Walls	10	Door	Good	**Presumed**
MC RC	MT	Stairs	Stair 2	24	Black Vinyl Cove Base w/ Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Stairs	Stair 2	31	12" x 12" Marble Pattern Flooring VFT & Mastic	Throughout	N/A	N/A	N/A	None Detected
MC RC	MT	Stairs	Stair 2	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	Stairs	Stair 2	2	Joint Finishing Compound	Walls	324	SF	Good	**2% Chrysotile**
MC RC	MT	Stairs	Stair 2	29	2' x 2' White Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2SE S5	25	12" x 12" Light Blue w/ Blue Specks VFT & Mastic	On Landings	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2SE S5	3	Black Floor Tile Mastic	Floor	220	SF	Good	**5% Chrysotile**
MC RC	MT	2nd	2SE S5	26	Navy Blue Vinyl Stair Tread w/ Mastic	Stairs	N/A	N/A	N/A	None Detected
MC RC	MT	2nd	2SE S5	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected

BUILDING CONSTRUCTION MATERIALS

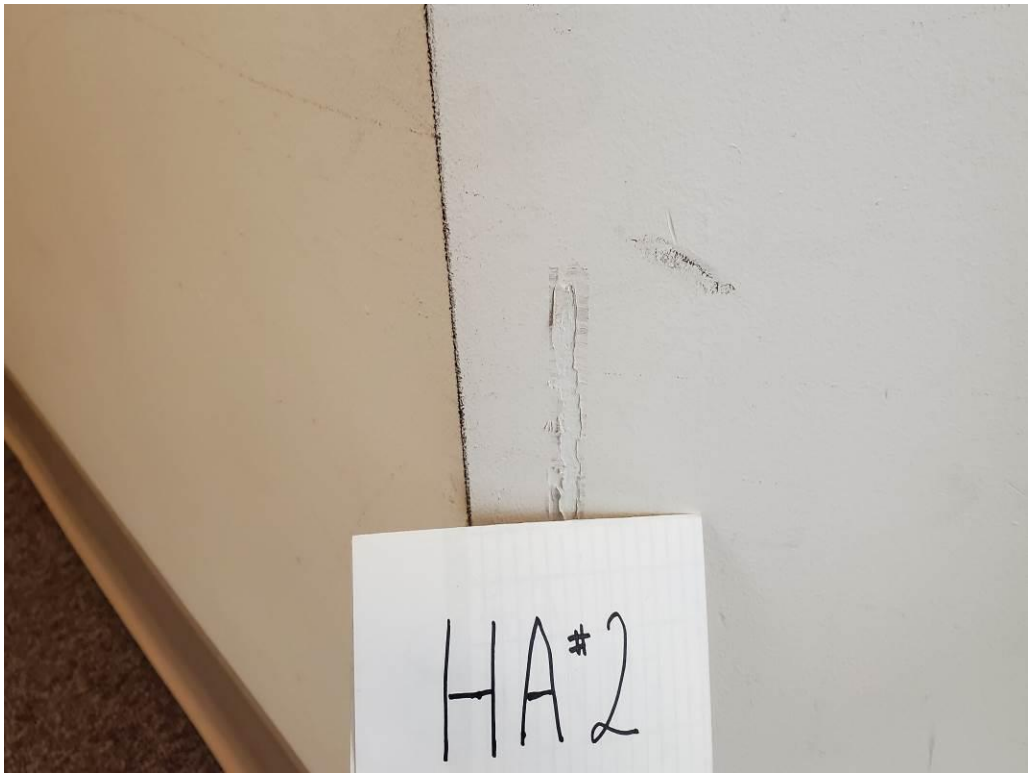
Facility	Bldg #	Floor	Room #	HA #	Material Description	Material Location w/in area	Quantity	Unit	Condition	Asbestos %
MC RC	MT	2nd	2SE S5	2	Joint Finishing Compound	Walls	155	SF	Good	**2% Chrysotile**
MC RC	MT	3rd	3SE S5	25	12" x 12" Light Blue w/ Blue Specks VFT & Mastic	On Landings	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	3SE S5	3	Black Floor Tile Mastic	Stair Landing	395	SF	Good	**5% Chrysotile**
MC RC	MT	3rd	3SE S5	26	Navy Blue Vinyl Stair Tread w/ Mastic	Stairs	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	3SE S5	28	2' x 2' Off-White Inset Pinhole & Fissure ACT	Ceiling	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	3SE S5	1	Gypsum Board Sheeting	Walls	N/A	N/A	N/A	None Detected
MC RC	MT	3rd	3SE S5	2	Joint Finishing Compound	Walls	55	SF	Good	**2% Chrysotile**
MC RC	MT	Elv	Elev 3	53	Wood Pattern VSG & Mastic	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Elv	Elev 1	47	Yellow Textured VFT	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Elv	Elev 1	3	Black Floor Tile Mastic	Floor	20	SF	Good	**5% Chrysotile**
MC RC	MT	Elv	Elev 2	47	Yellow Textured VFT	Floor	N/A	N/A	N/A	None Detected
MC RC	MT	Elv	Elev 2	3	Black Floor Tile Mastic	Floor	20	SF	Good	**5% Chrysotile**
MC RC	MT	Bsmt	B1	49	Tan Pin Mastic	Ceiling	2235	SF	Good	**5% Chrysotile**
MC RC	MT	Bsmt	B2	49	Tan Pin Mastic	Ceiling	480	SF	Good	**5% Chrysotile**
MC RC	MT	Bsmt	B1	14	White Pipe Insulation Mastic	Around Pipes	N/A	N/A	N/A	None Detected
MC RC	MT	Bsmt	B1	17	Gray Metal Duct Seam Sealant	Around Ducts	N/A	N/A	N/A	None Detected

APPENDIX D

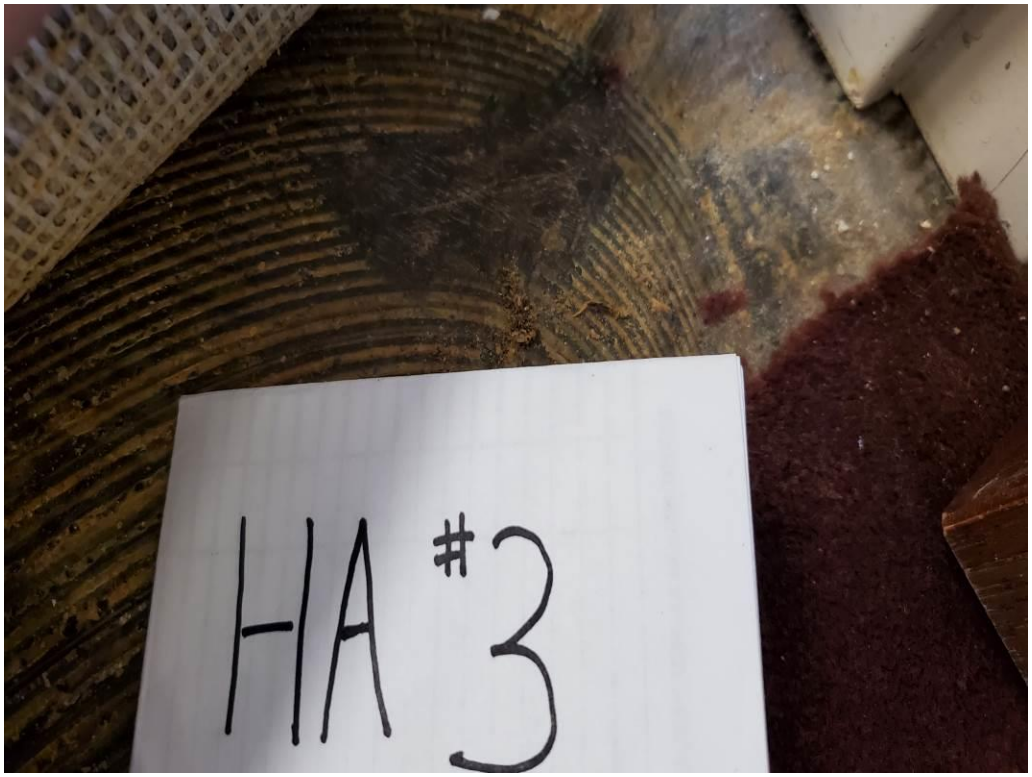
HOMOGENEOUS AREA PHOTO SHEET



HA #1 – Gypsum Board Sheeting

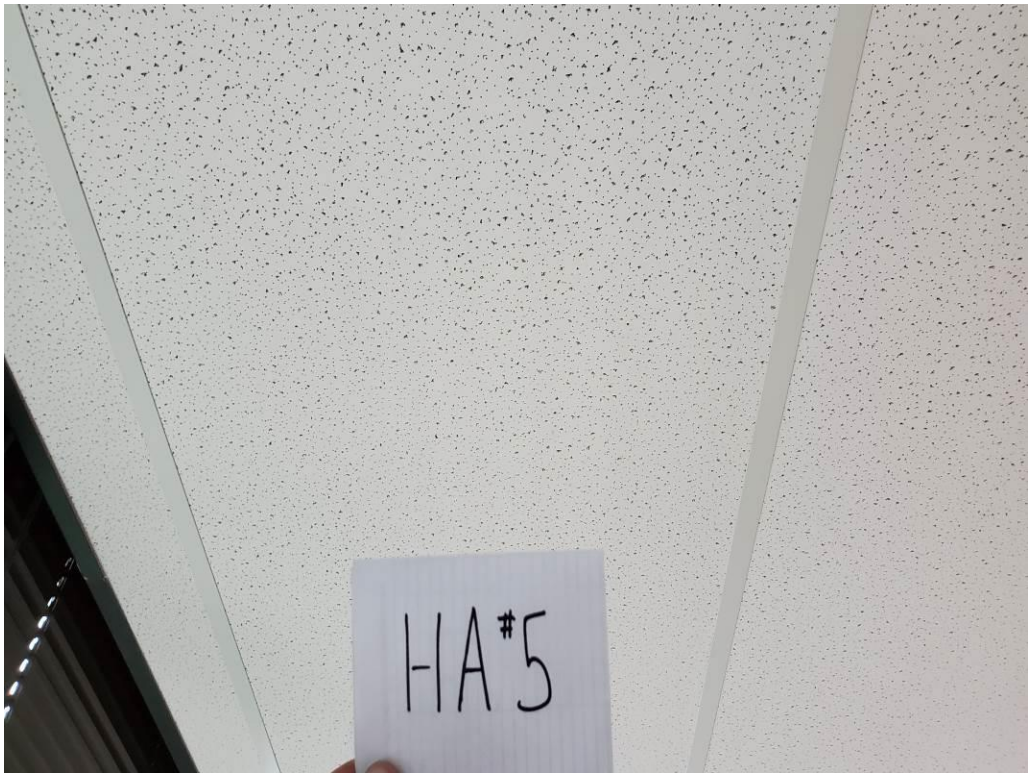


HA #2 – Joint Finishing Compound

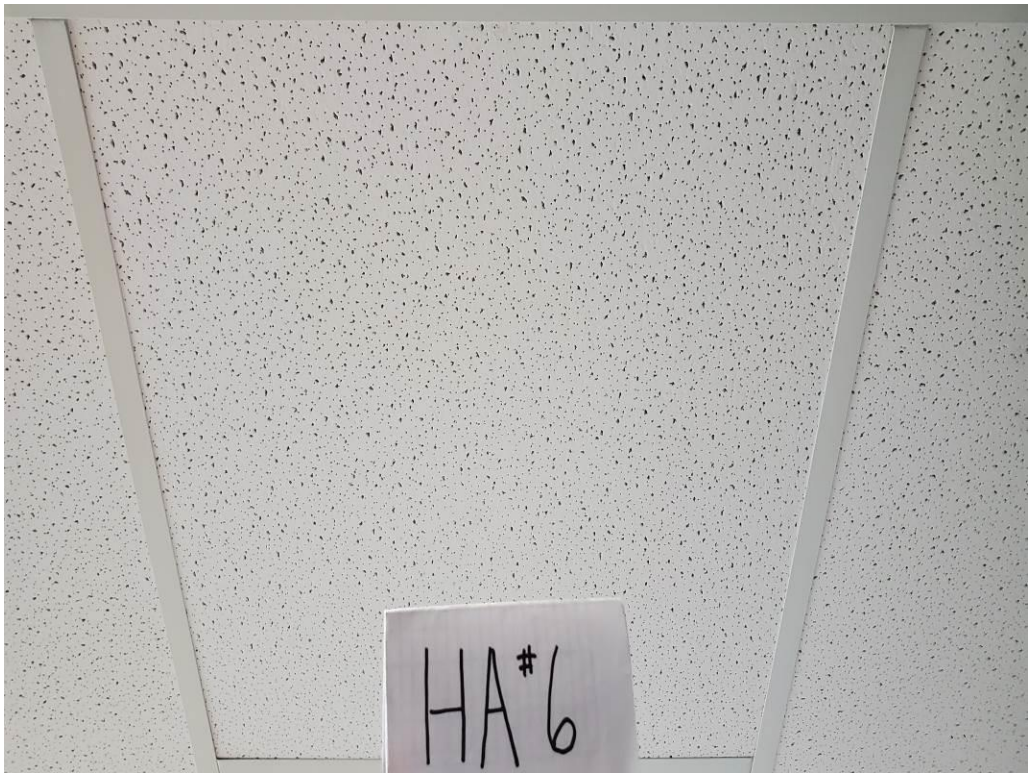


HA #3 – Black Floor Tile Mastic

HA #4 – Yellow Carpet Mastic

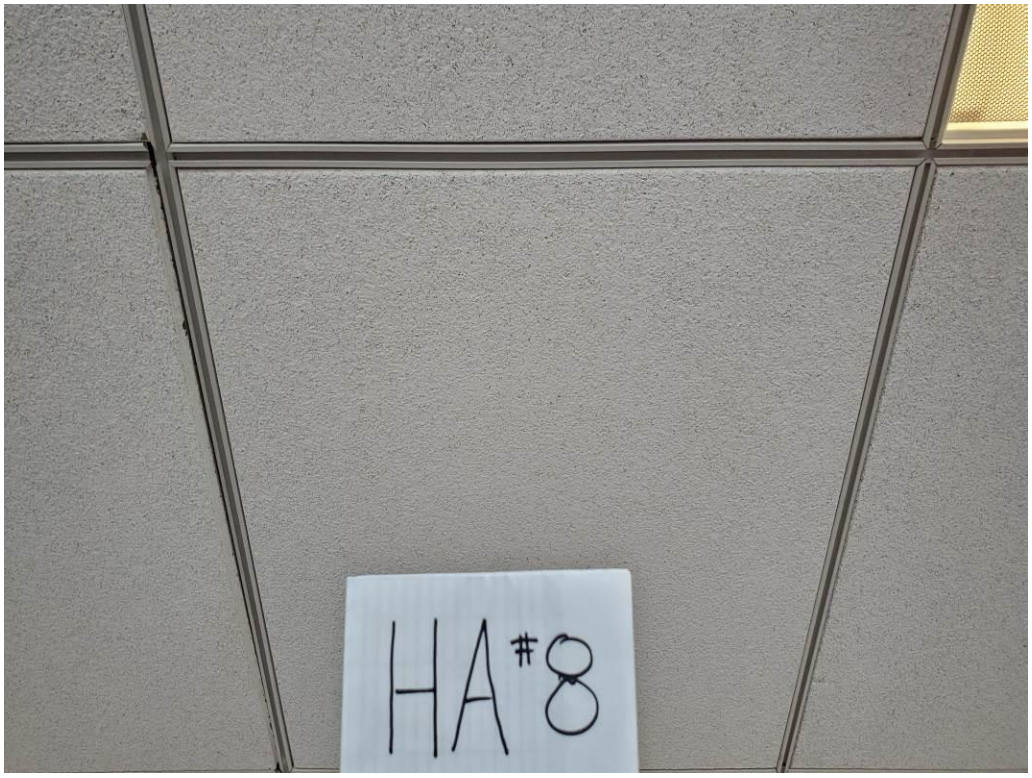


HA #5 – 2’x4’ White Pinhole & Puncture ACT

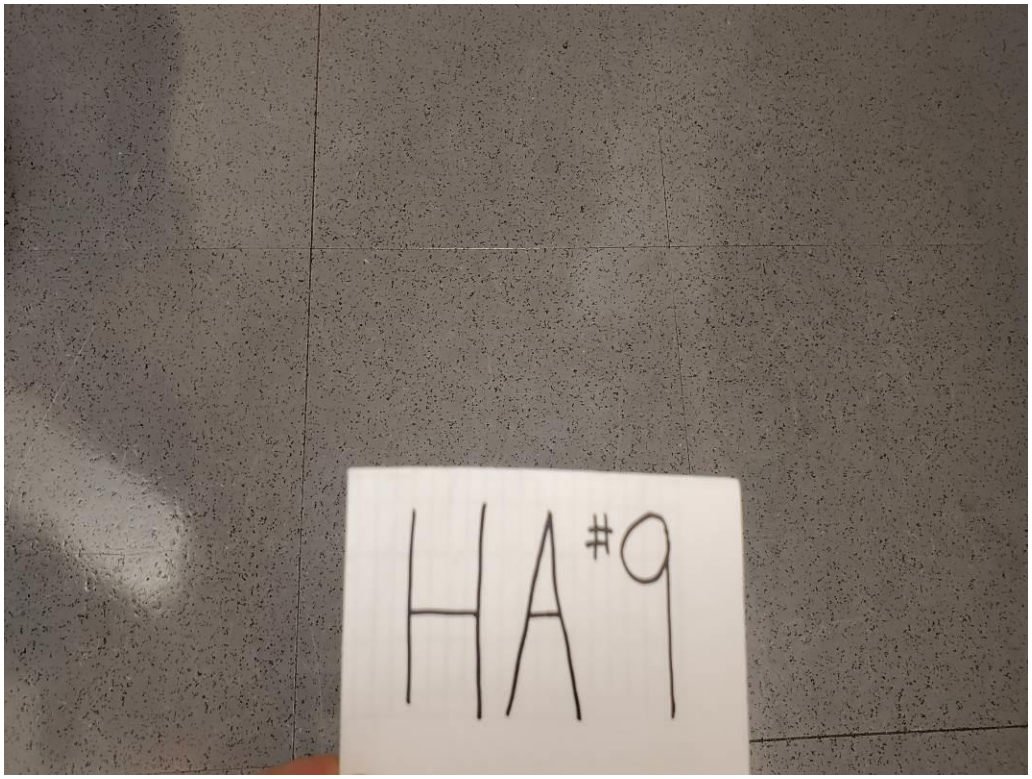


HA #6 – 2’x2’ White Pinhole & Puncture ACT

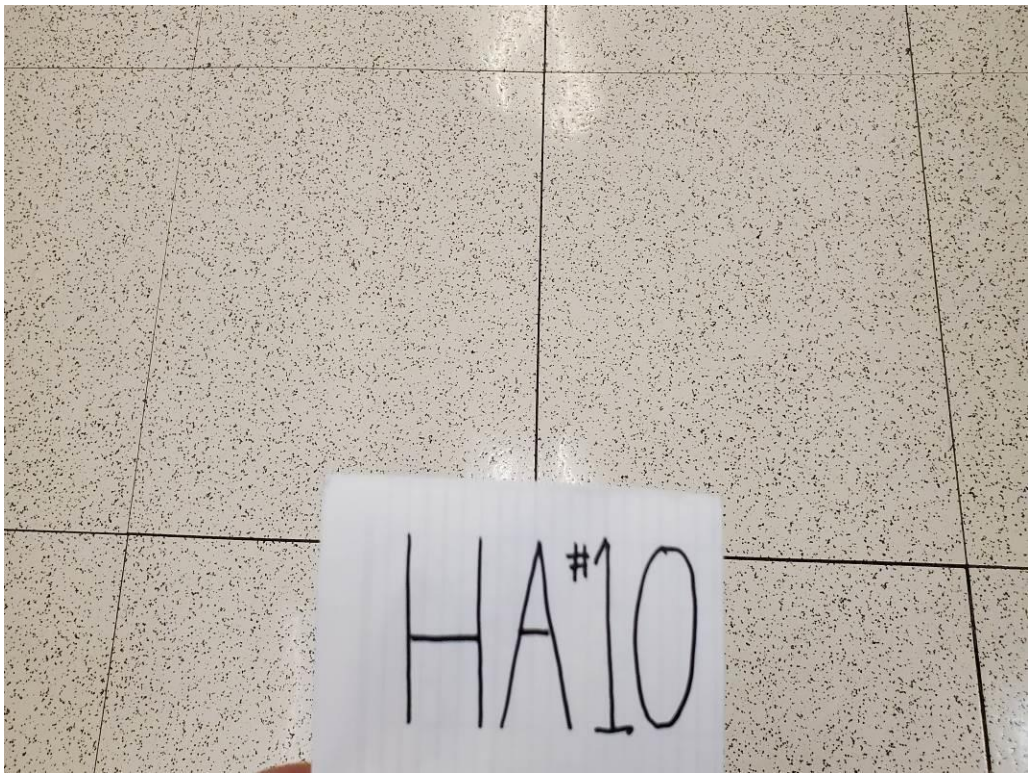
HA #7 – Tan Vinyl Cove Base w/ Mastic



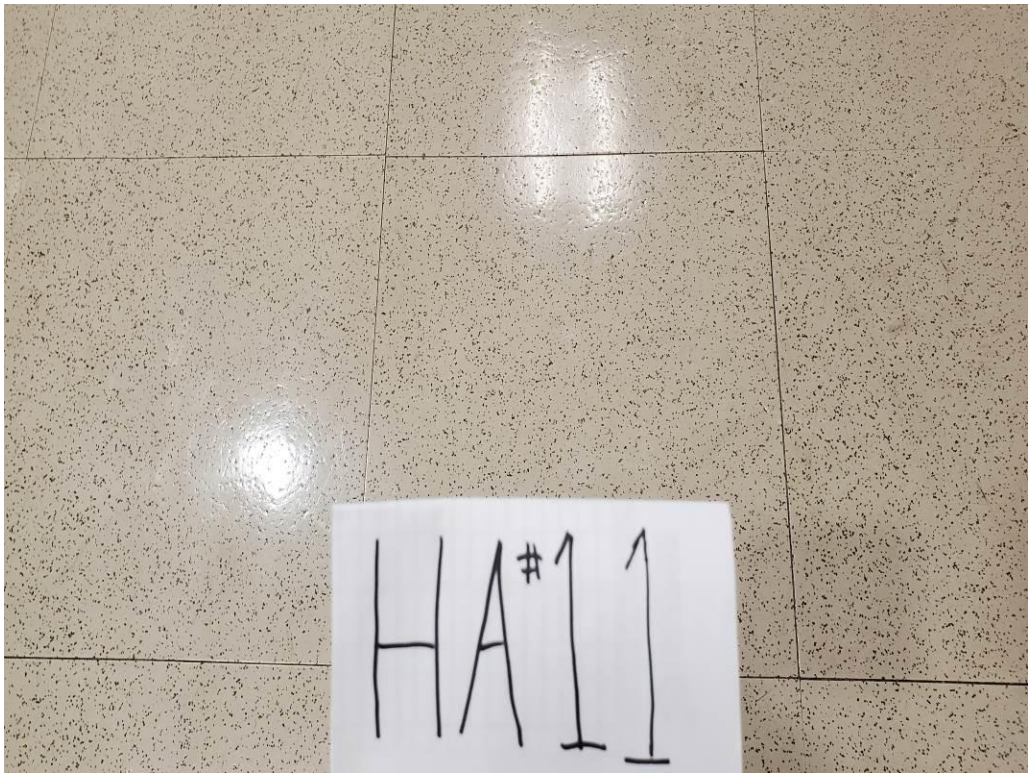
HA #8 – 2’x2’ White Textured ACT



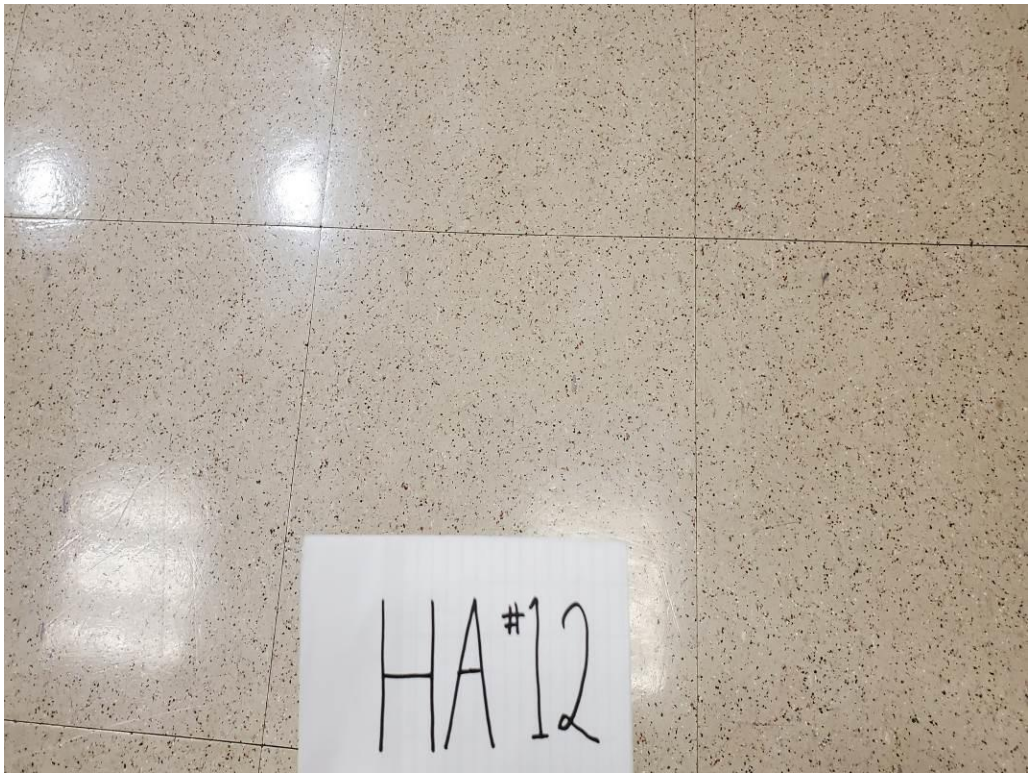
HA #9 – 12”x12” Dark Blue w/ Black Spots VFT & Mastic



HA #10 – 12”x12” Off-White w/ Black Spots VFT & Mastic



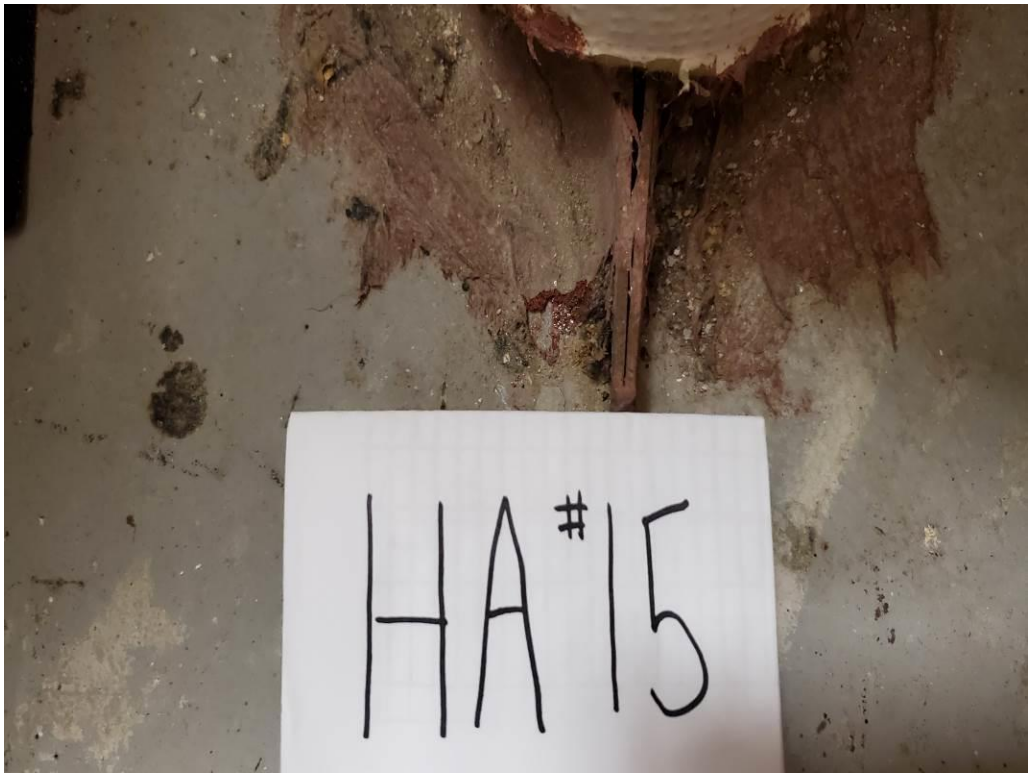
HA #11 – 12”x12” Brown w/ Black Spots VFT & Mastic



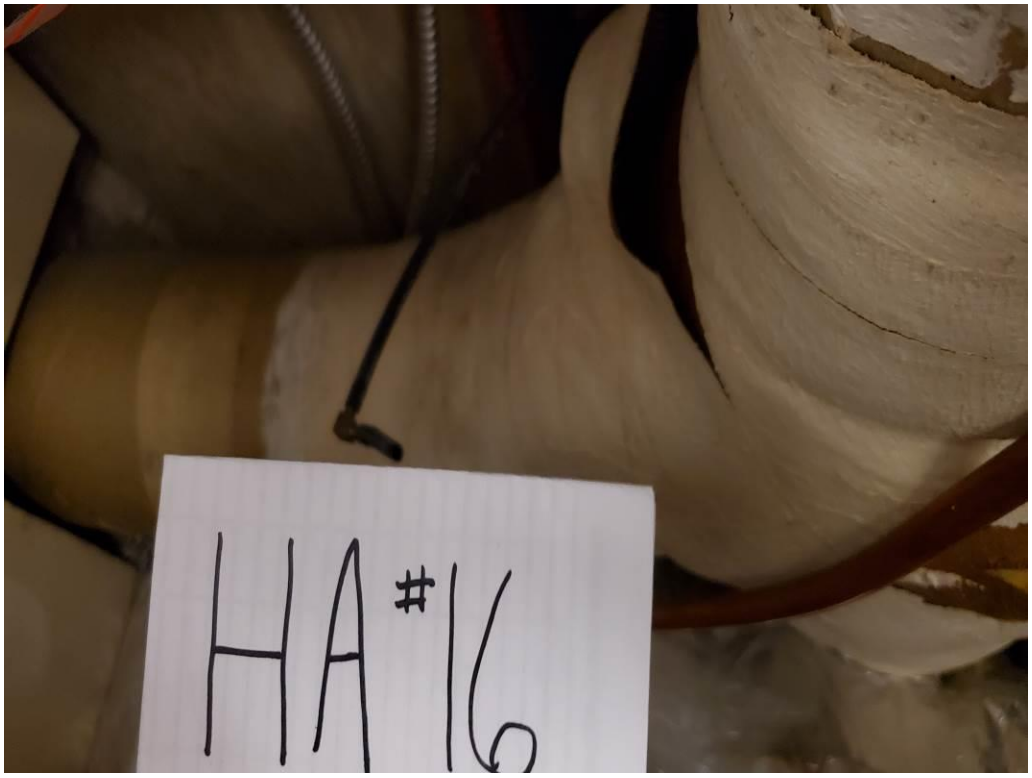
HA #12 – 12”x12” Pink w/ Multicolored Spots VFT & Mastic

HA #13 – Brown Metal Duct Seam Sealant

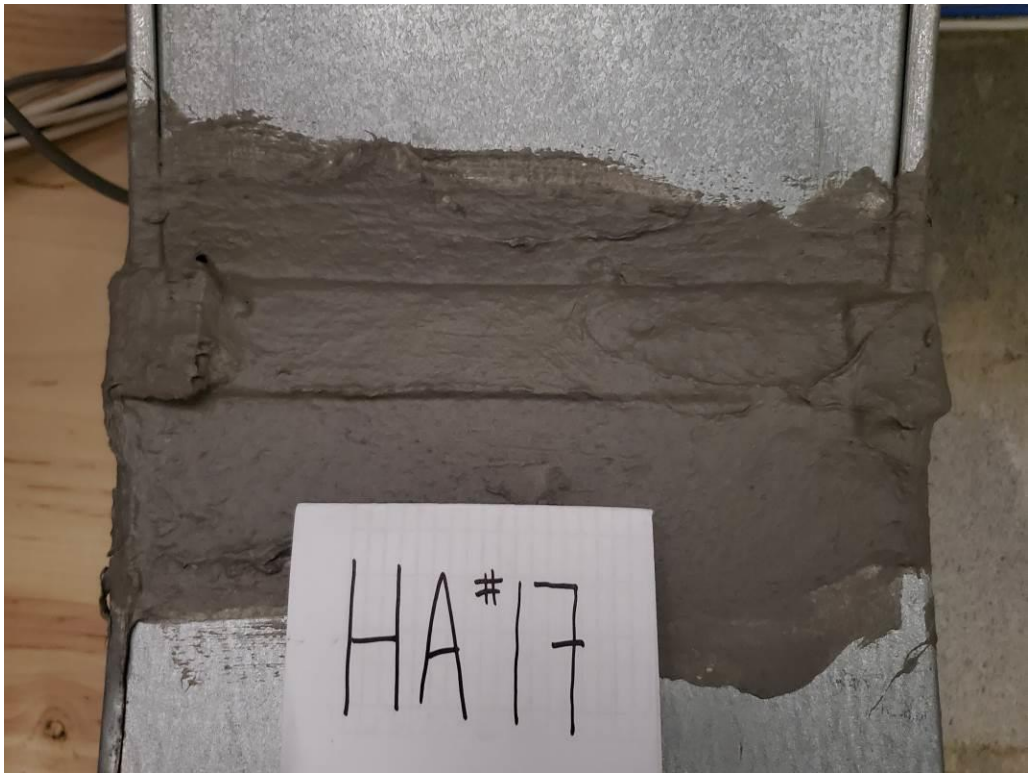
HA #14 – White Pipe Insulation Mastic



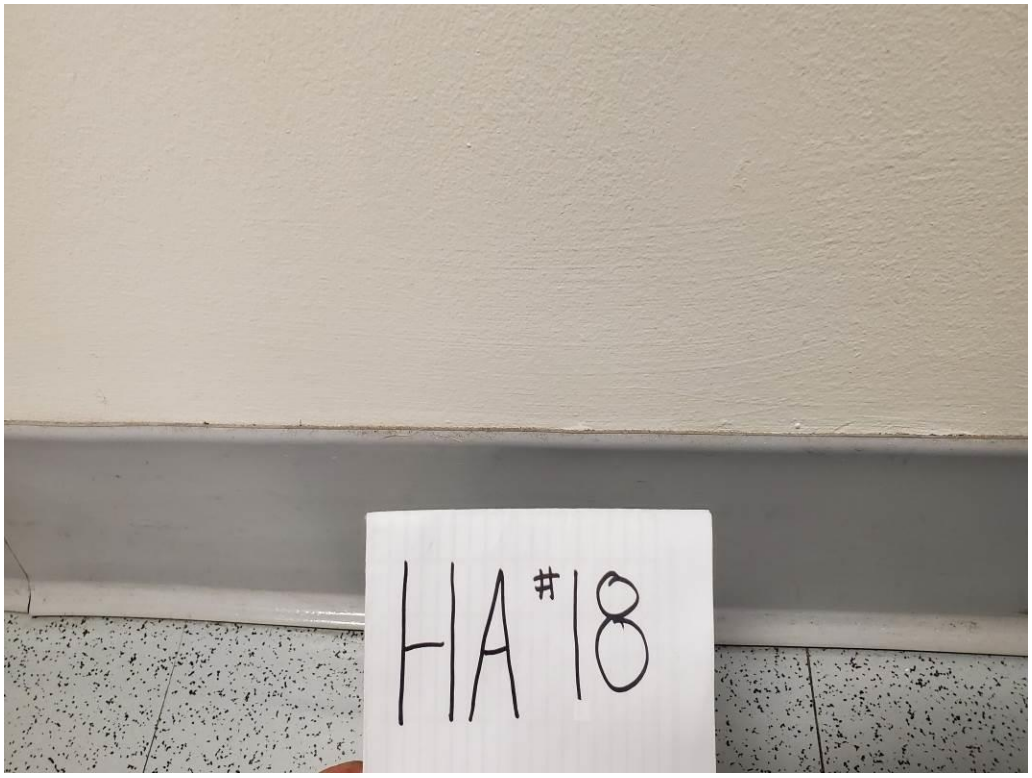
HA #15 – Red Fire Stop



HA #16 – Off-White Pipe Wrap Mastic

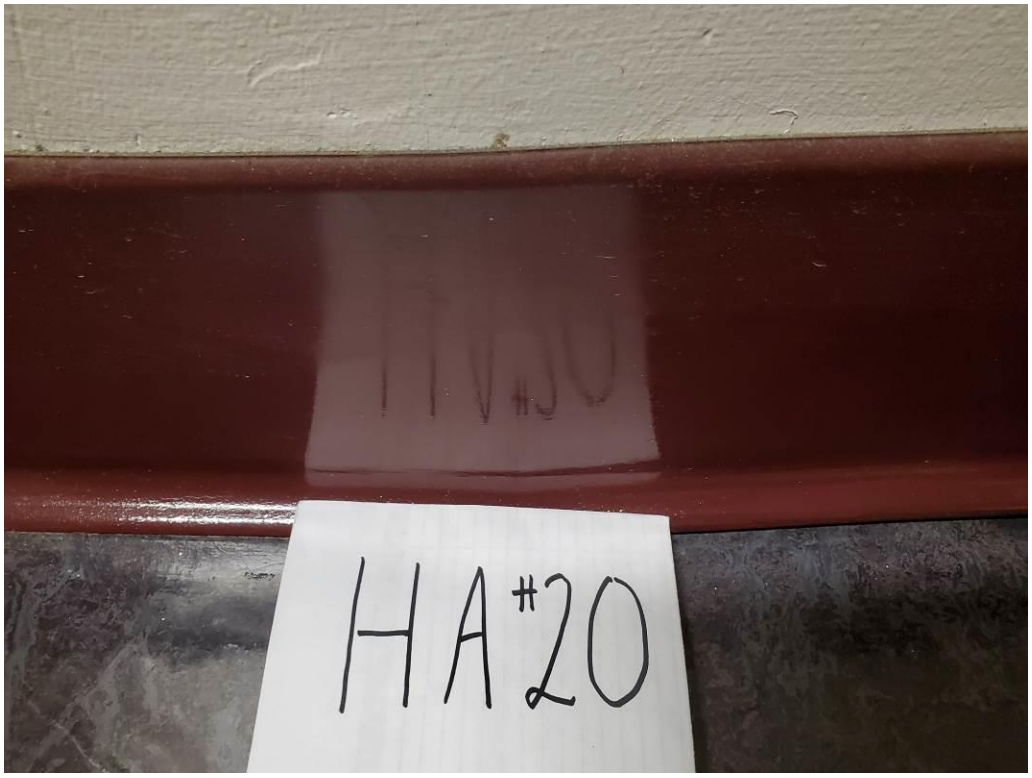


HA #17 – Gray Metal Duct Seam Sealant

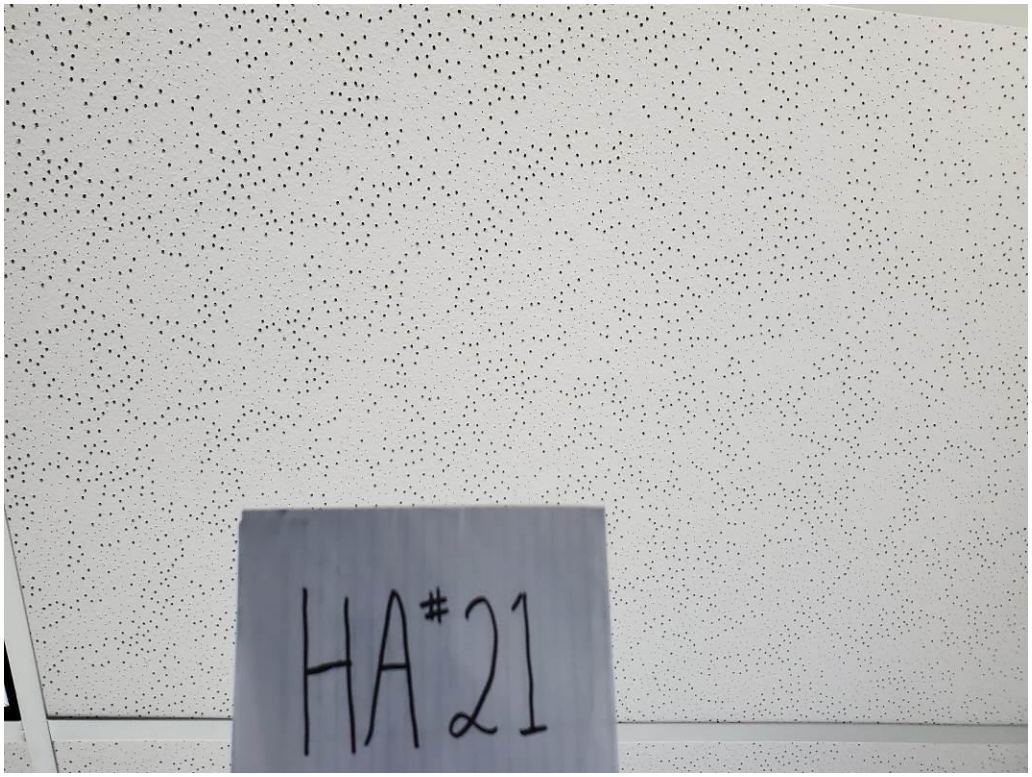


HA #18 – Gray Vinyl Cove Base w/ Mastic

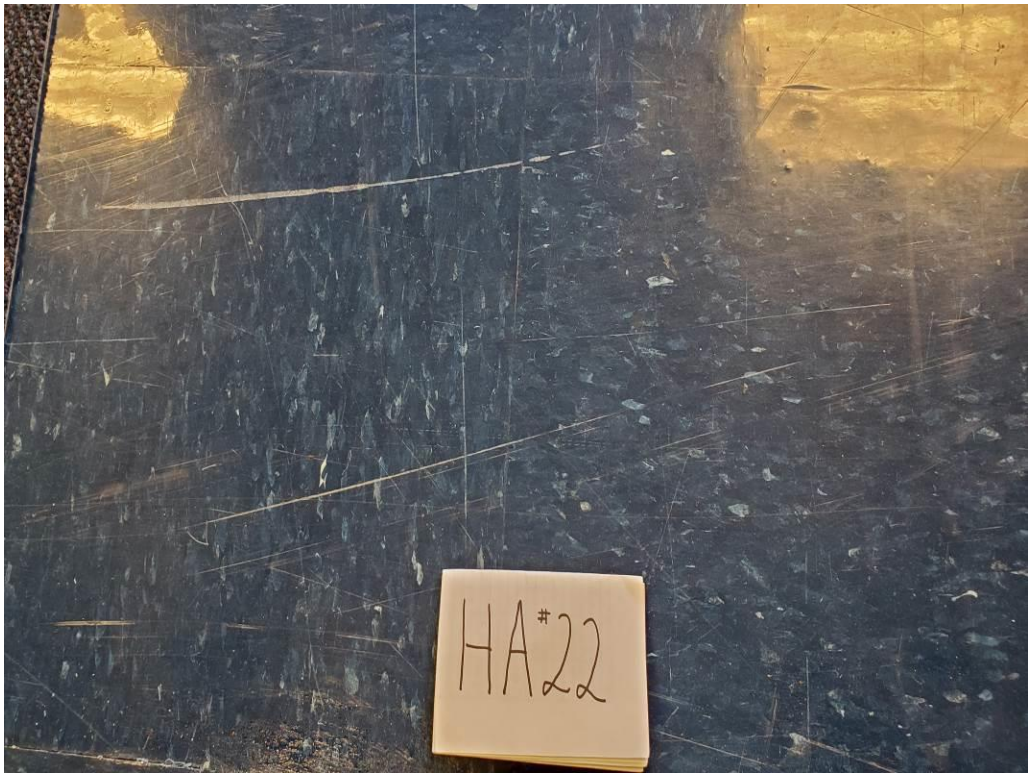
HA #19 – 12”x12” Light Blue w/ Black Spots VFT & Mastic



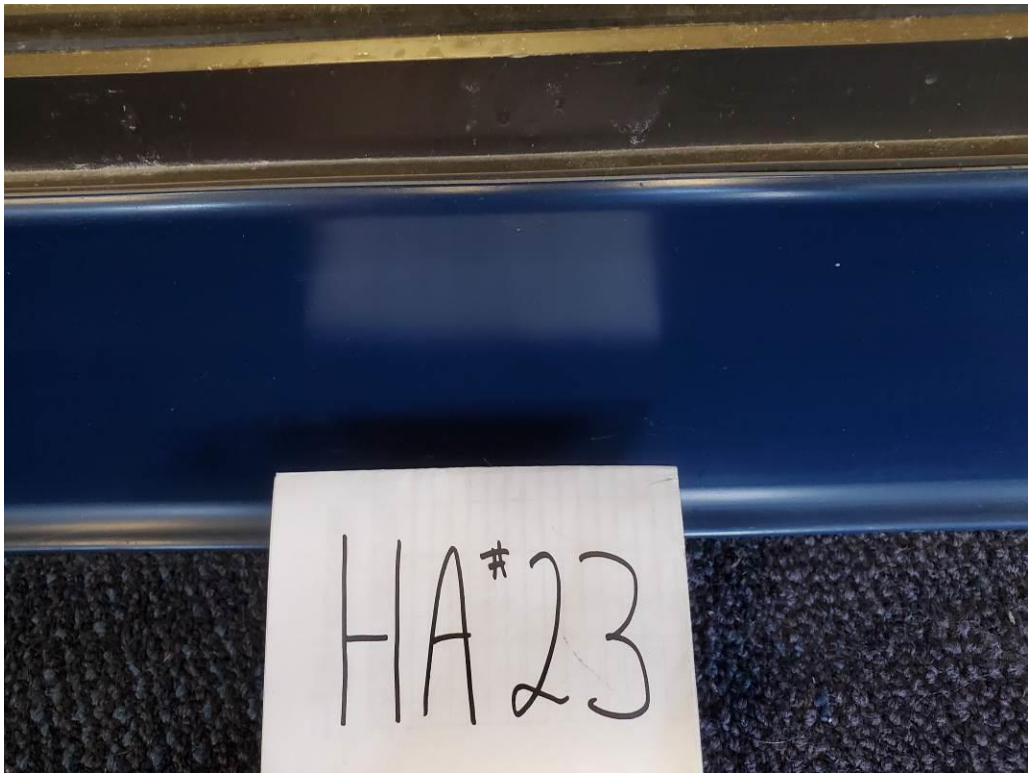
HA #20 – Maroon Vinyl Cove Base w/ Mastic



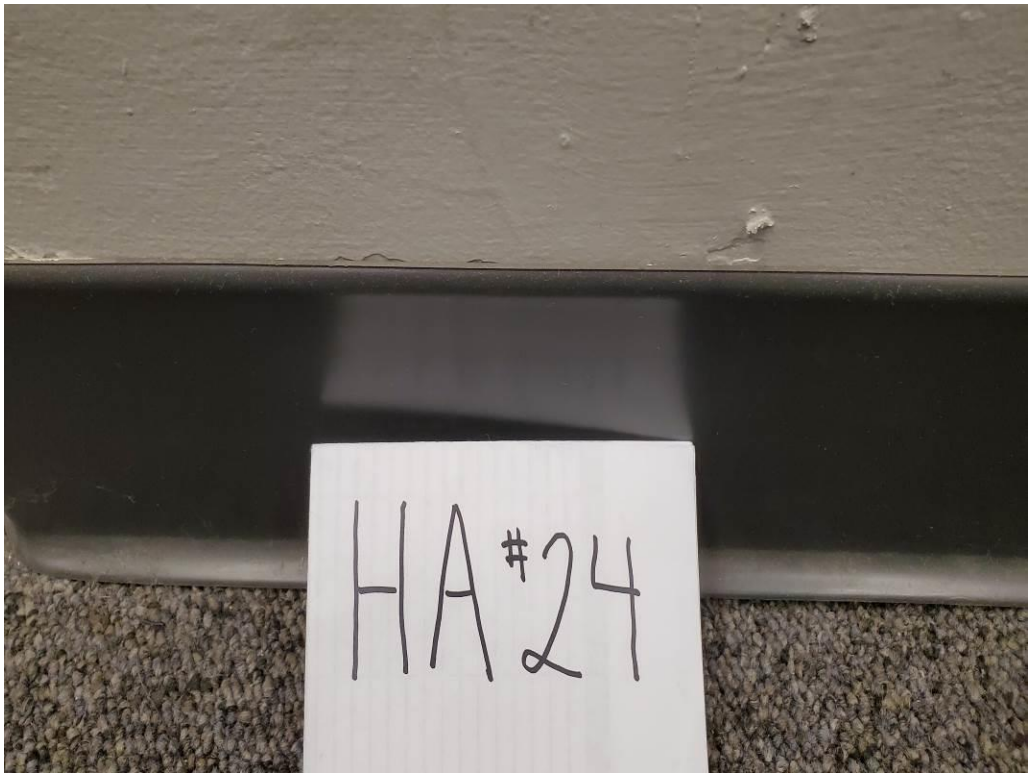
HA #21 – 2’x4’ White Small & Large Pinhole ACT



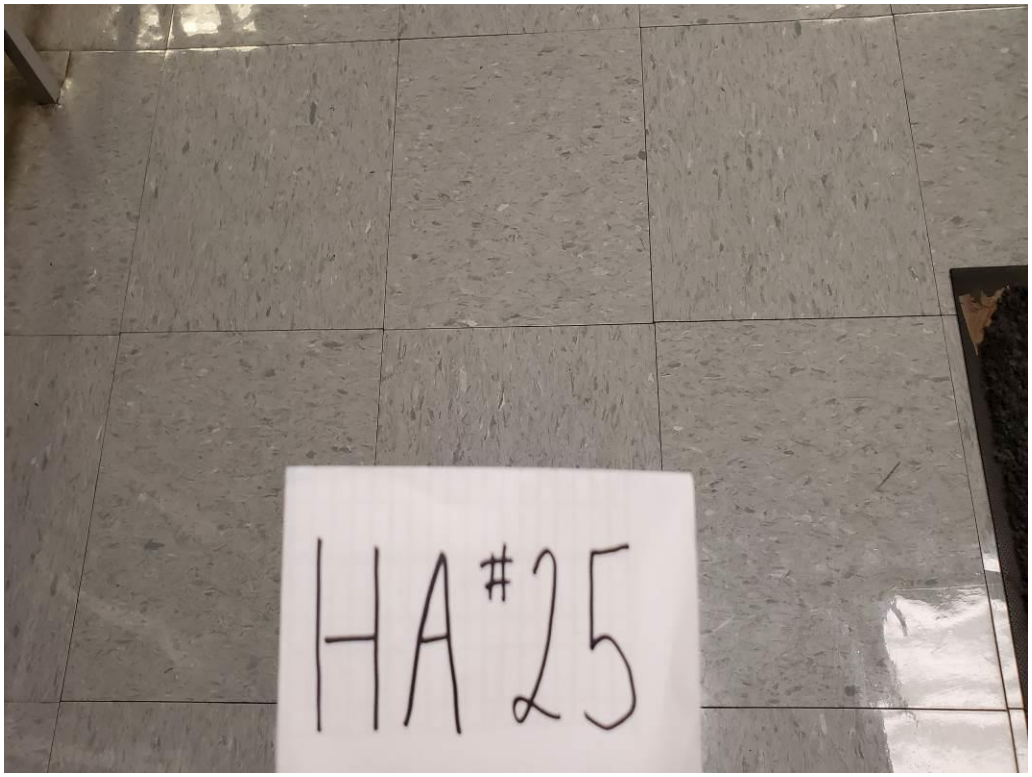
HA #22 – 12”x12” Navy Blue w/ Light Blue Specks VFT & Mastic



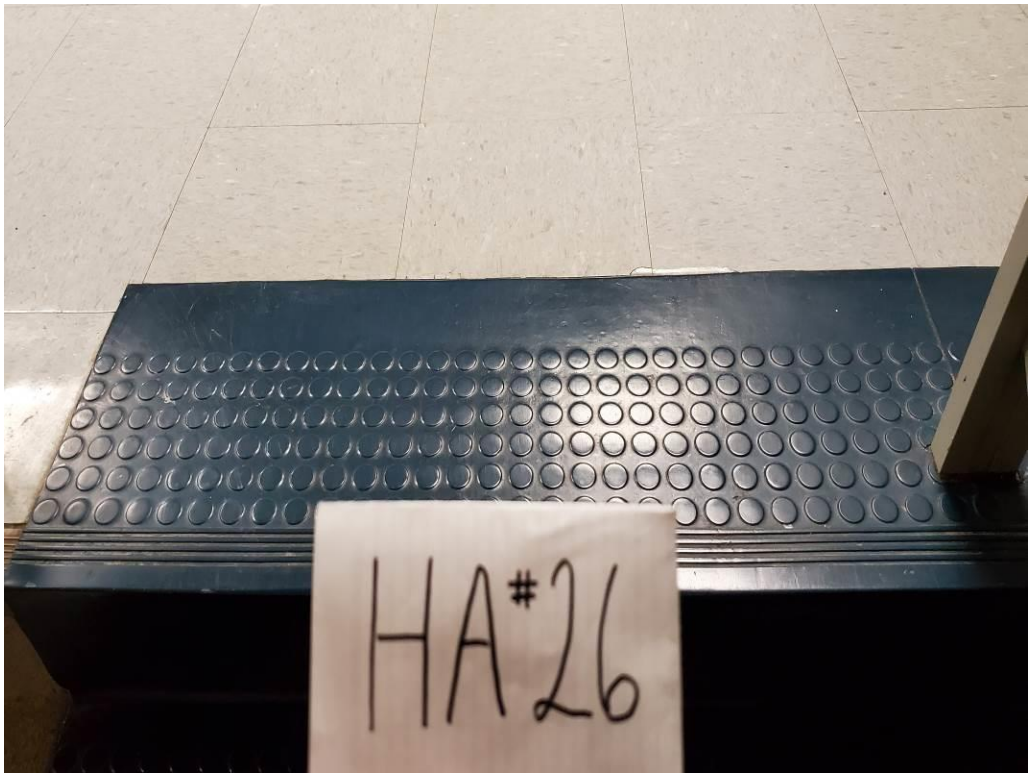
HA #23 – Navy Blue Vinyl Cove Base w/ Mastic



HA #24 – Black Vinyl Cove Base w/ Mastic

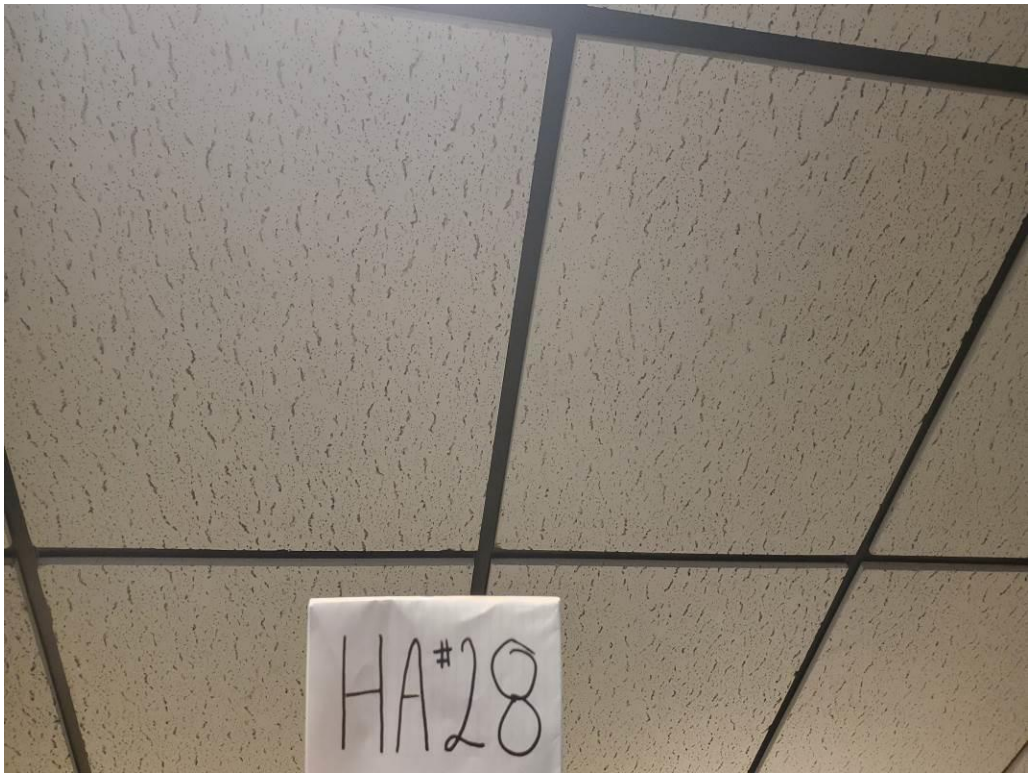


HA #25 – 12”x12” Light Blue w/ Blue Specks VFT & Mastic

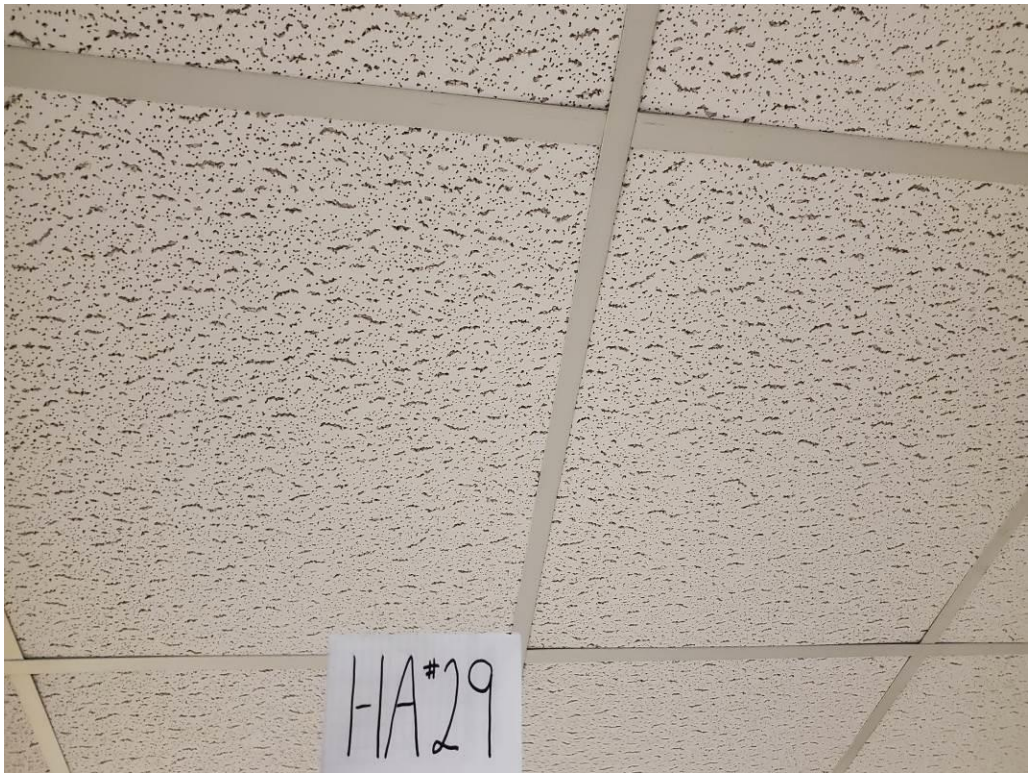


HA #26 – Navy Blue Vinyl Stair Tread w/ Mastic

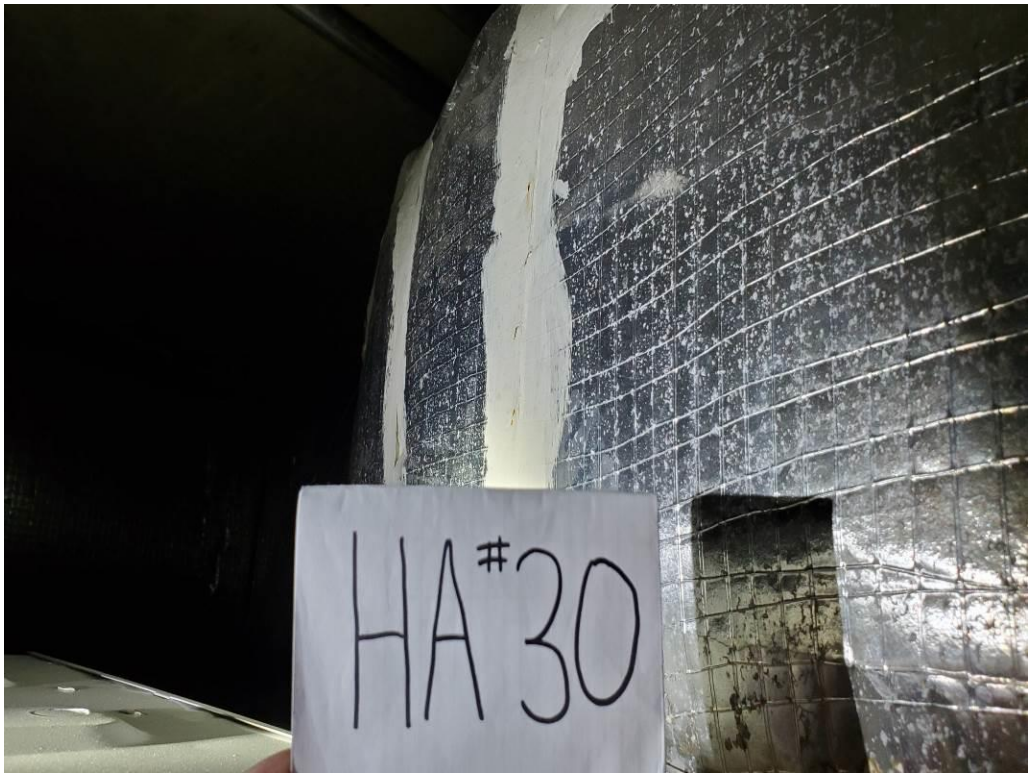
HA #27 – Beige VFT Under Carpet



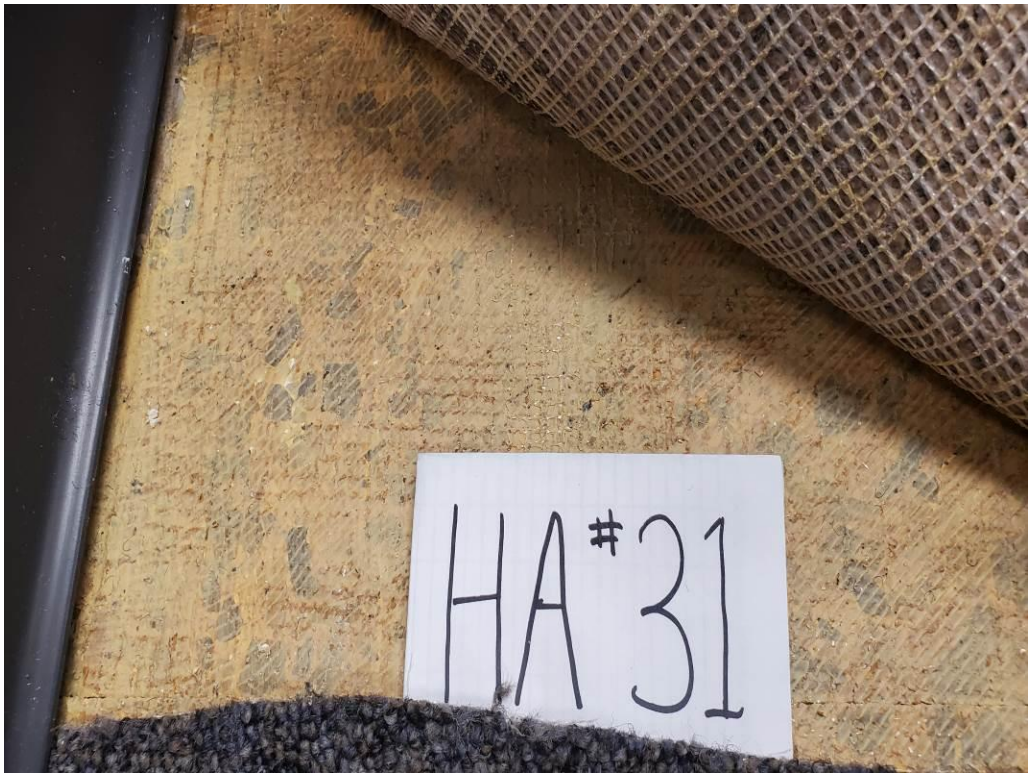
HA #28 – 2’x2’ Off-White Inset Pinhole & Fissure ACT



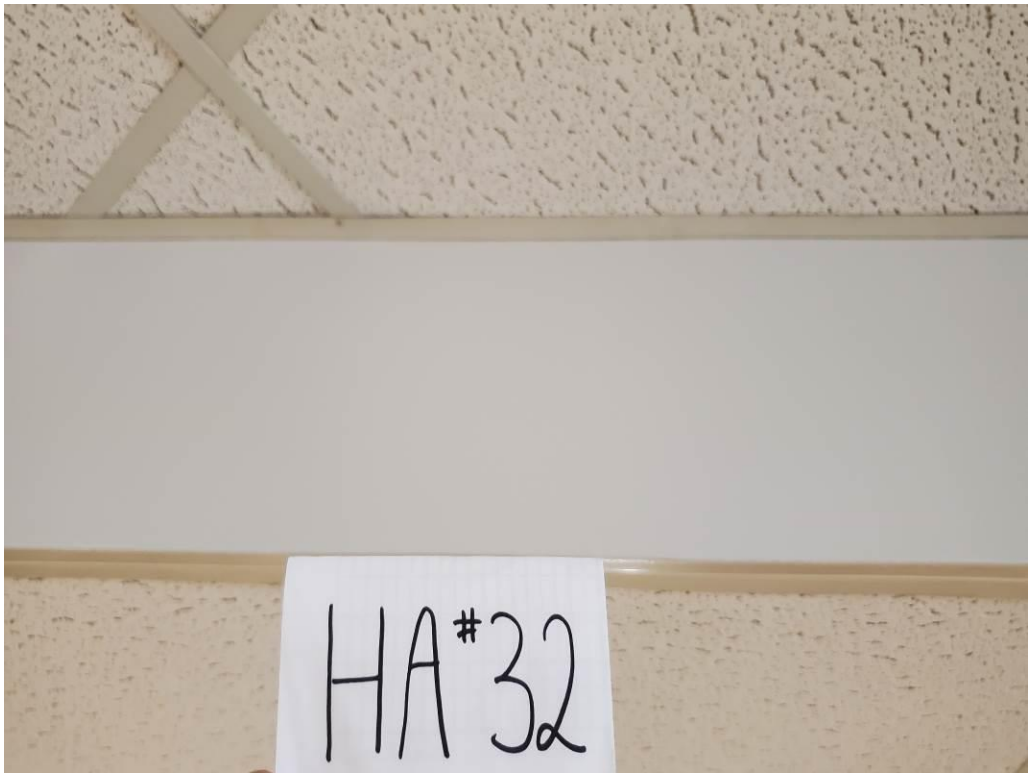
HA #29 – 2’x2’ White Pinhole & Fissure ACT



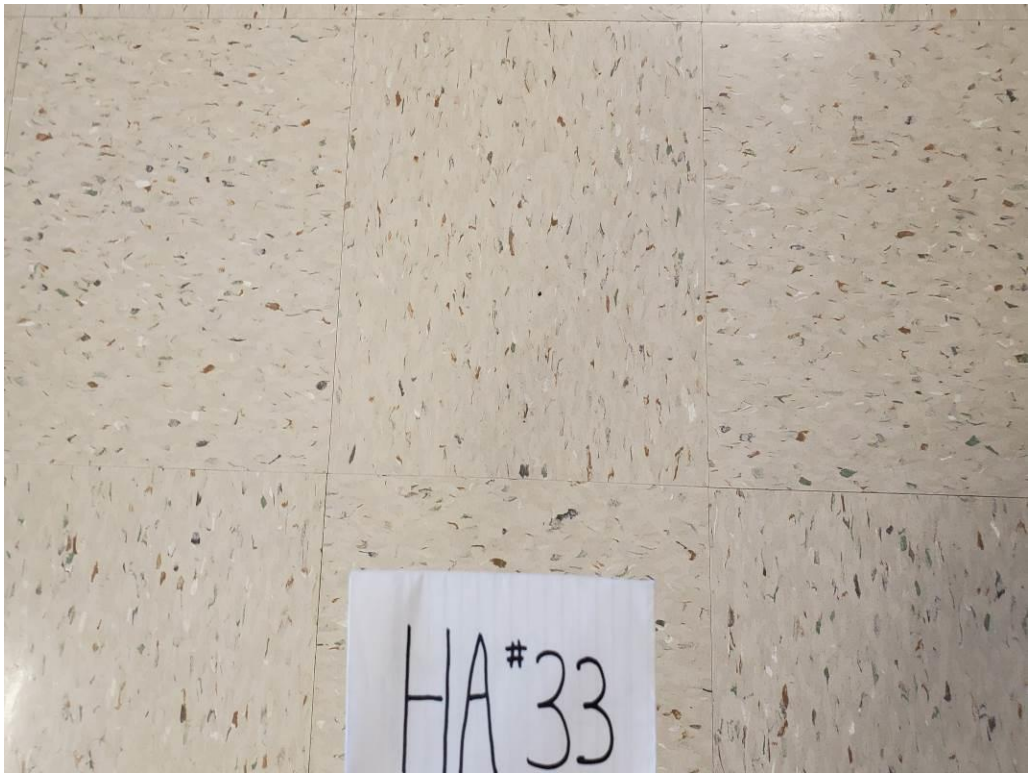
HA #30 – White Duct Insulation Mastic



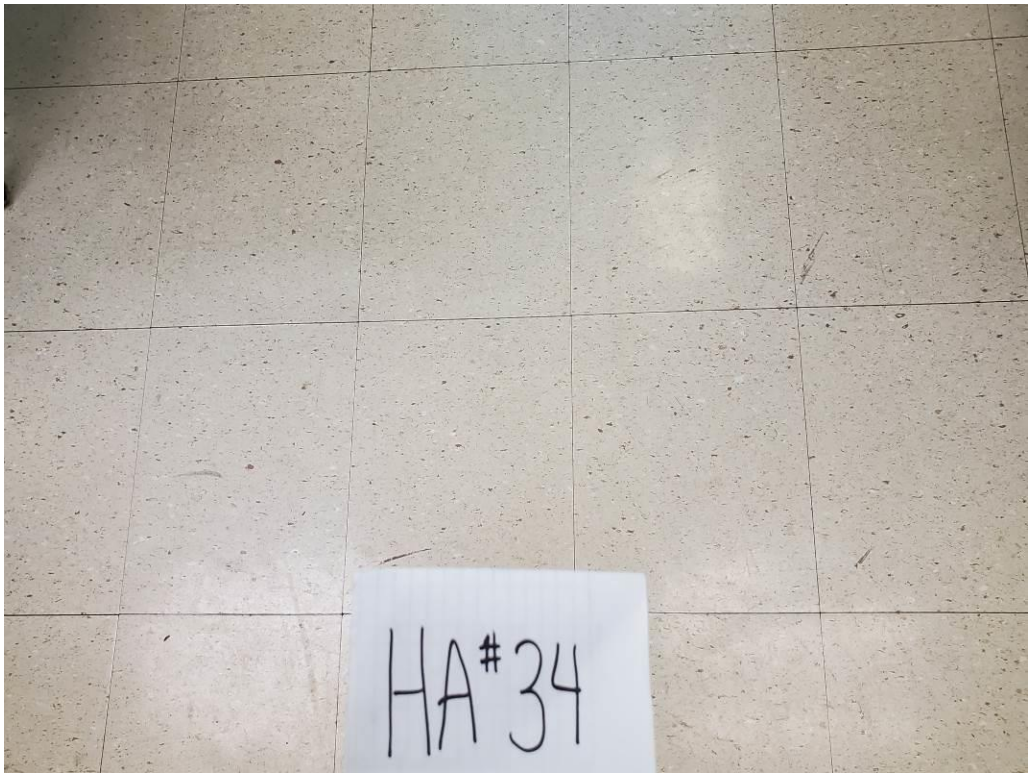
HA #31 – 12”x12” Marble Pattern Flooring VFT & Mastic



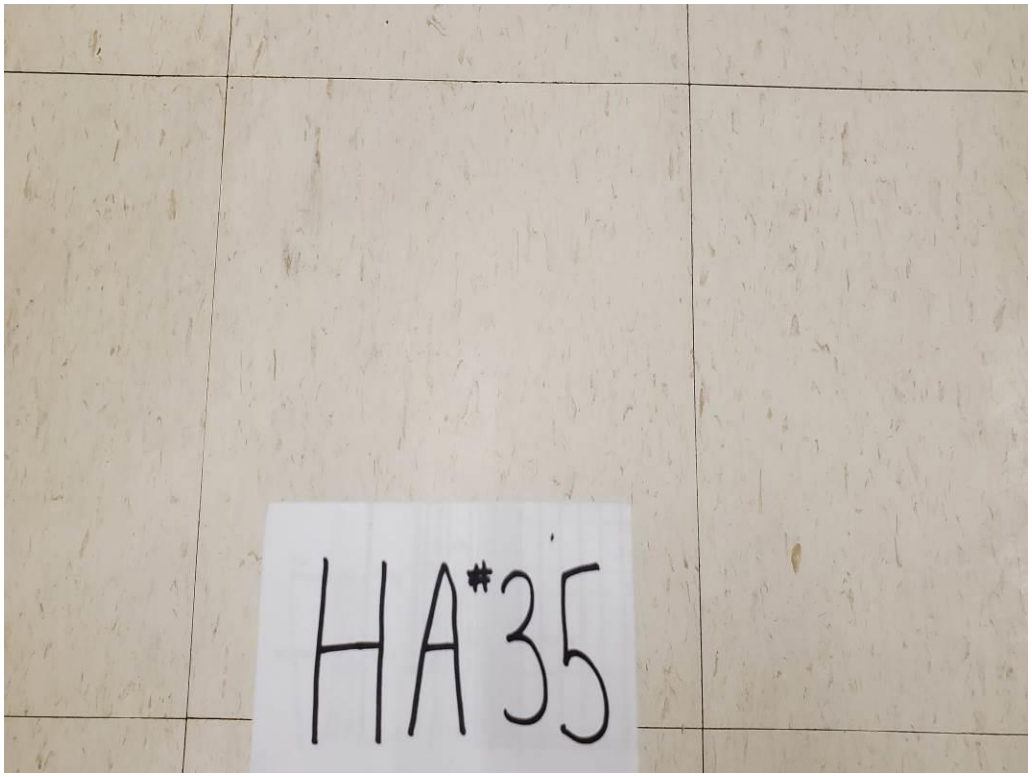
HA #32 – Finished Plaster



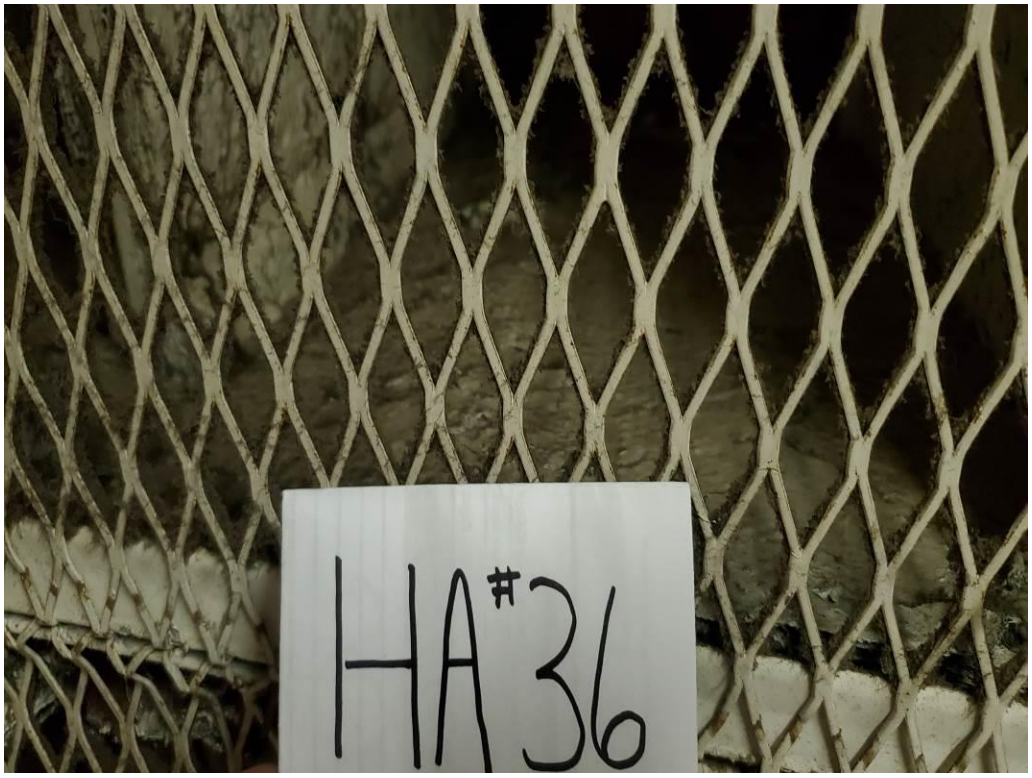
HA #33 – 12”x12” Tan w/ Brown & Green Specks VFT & Mastic



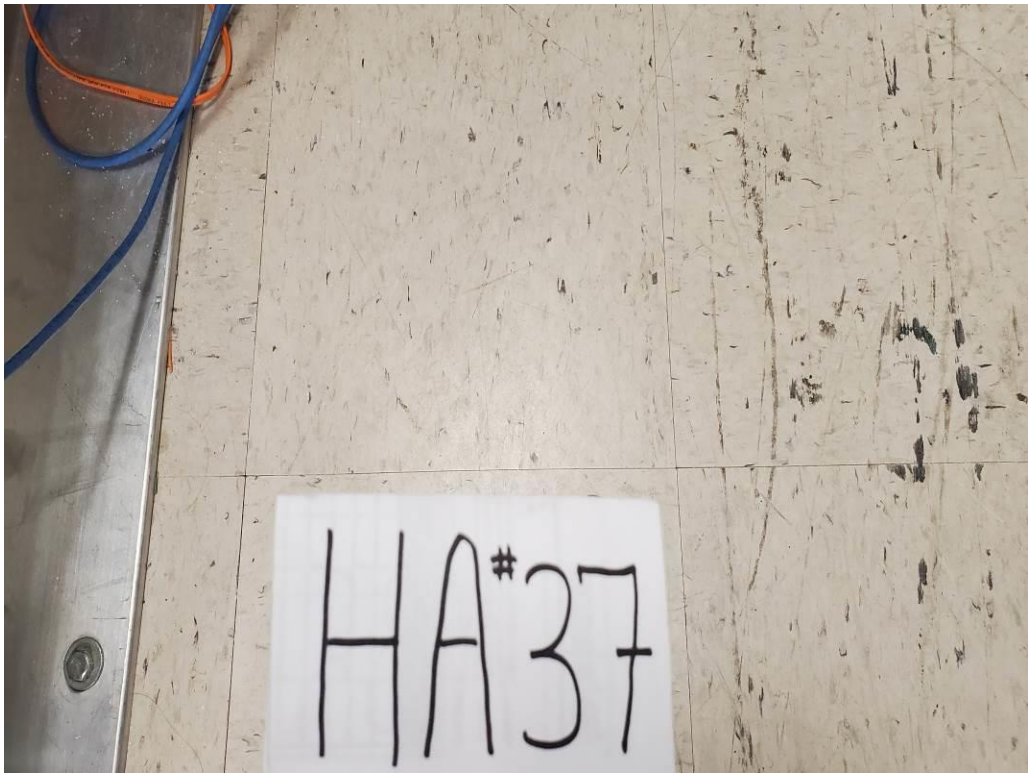
HA #34 – 12”x12” Tan w/ Brow & Green Specks VFT & Mastic



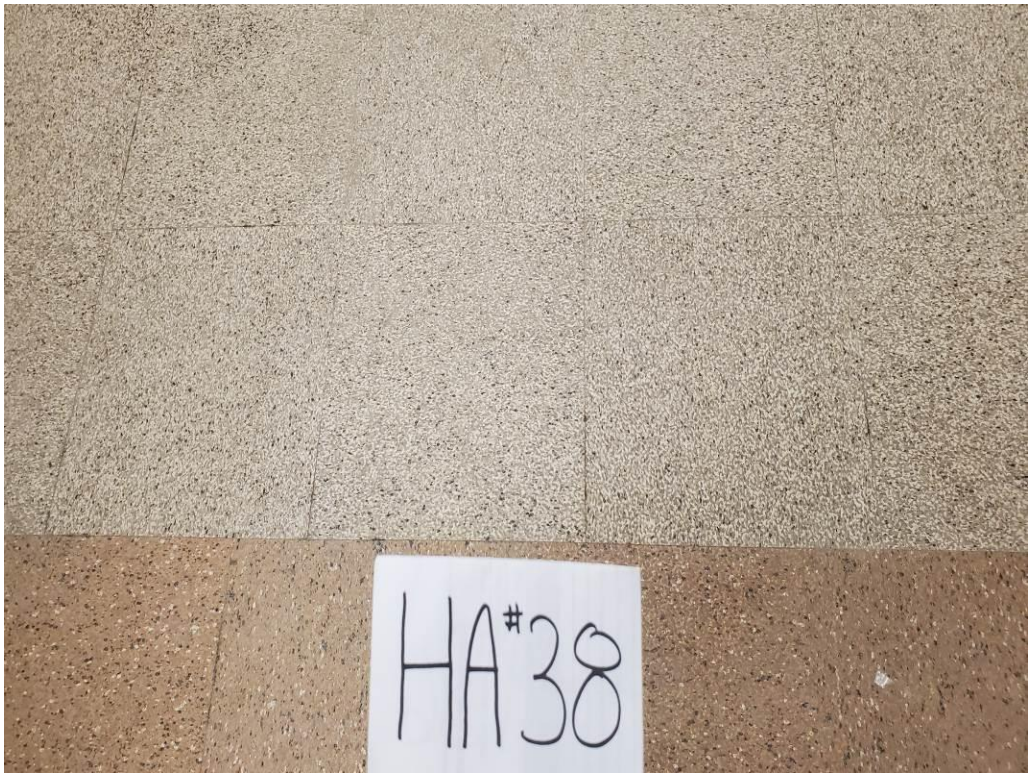
HA #35 – 12”x12” Off-White w/ Tan Specks VFT & Mastic



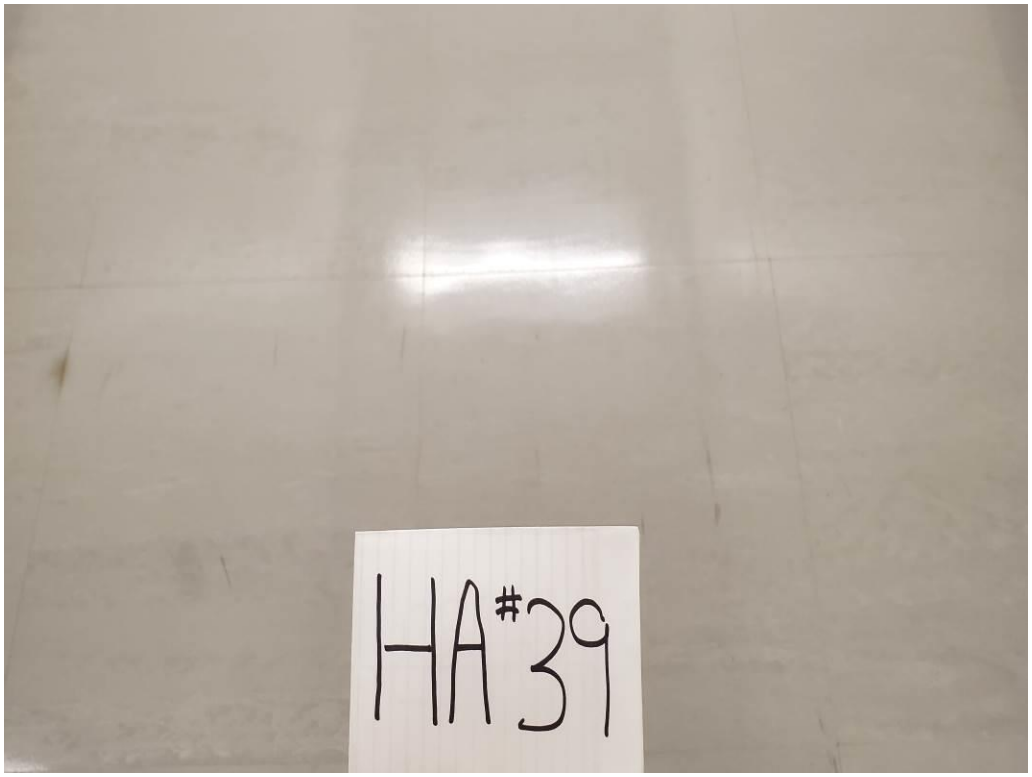
HA #36 – White Interior Duct Insulation



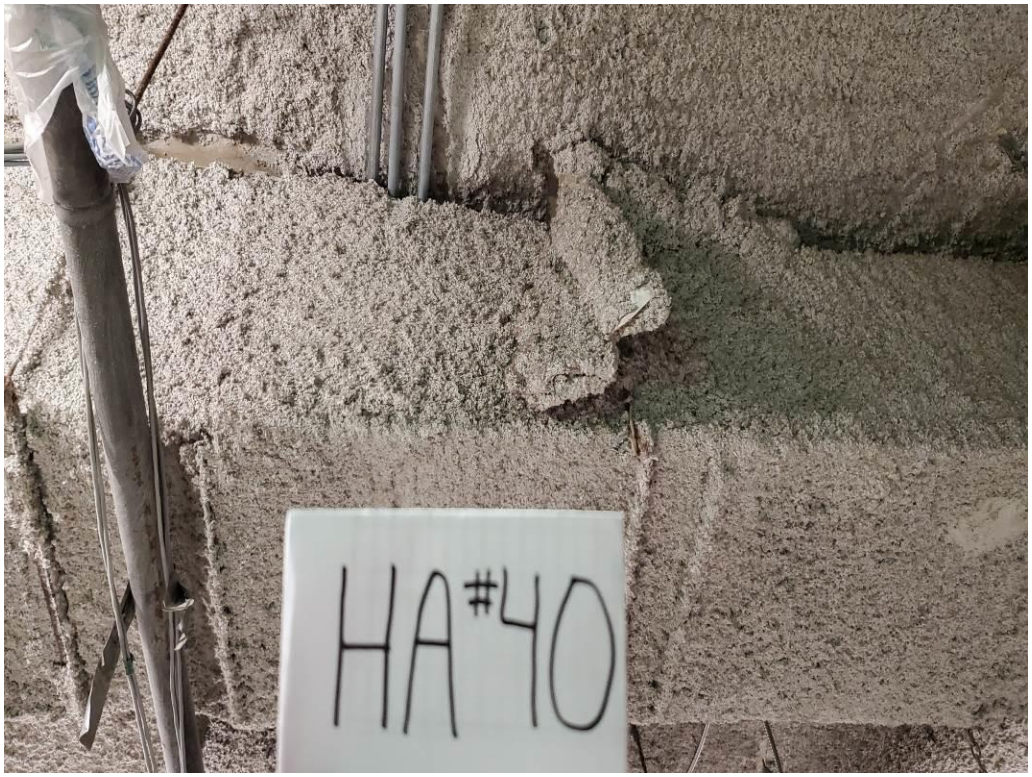
HA #37 – 12”x12” White w/ Black Specks VFT & Mastic



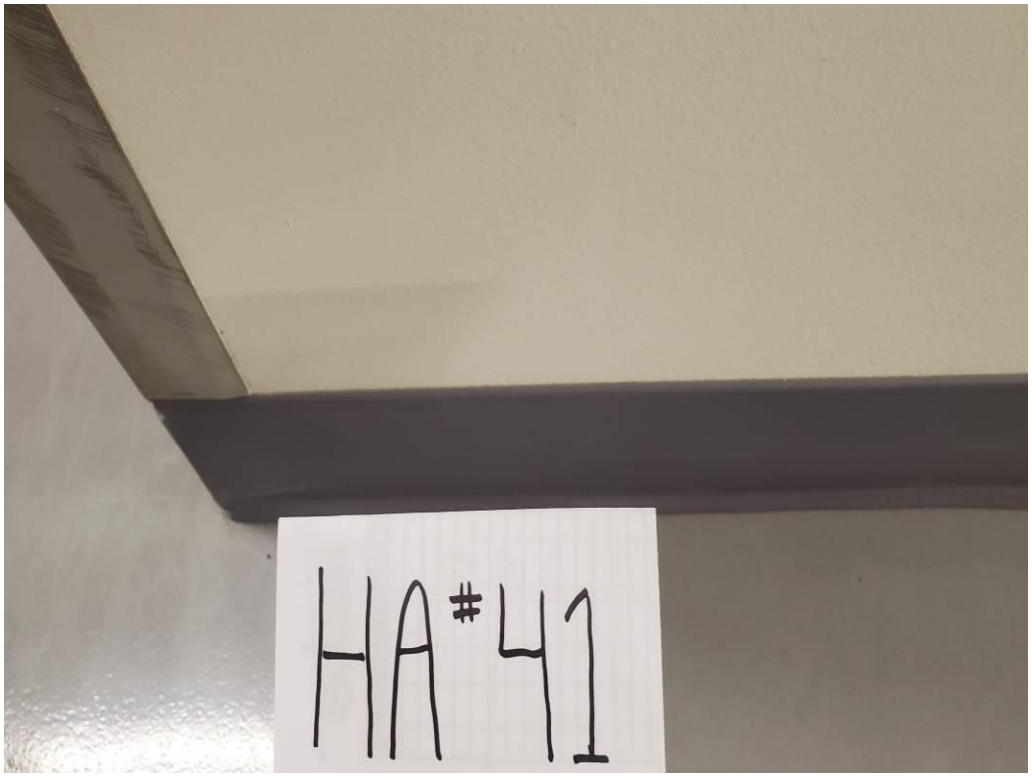
HA # 38 – 12”x12” Gray/ Orange w/ Black Spots VFT & Mastic



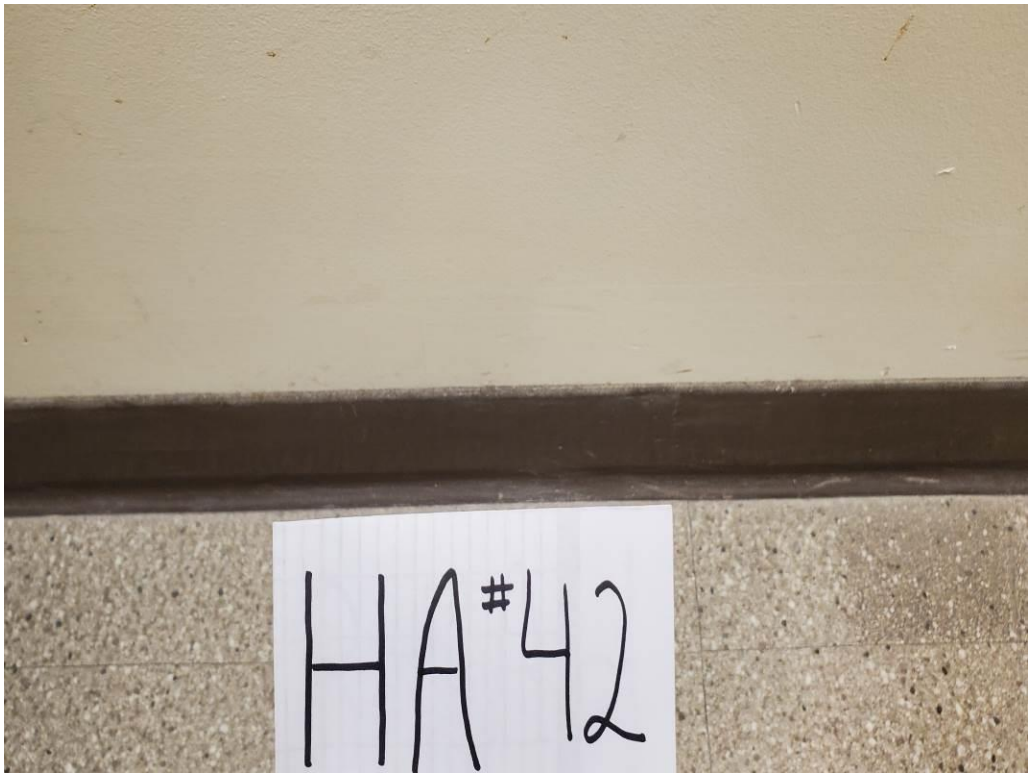
HA #39 – 18”x18” Gray VFT & Mastic



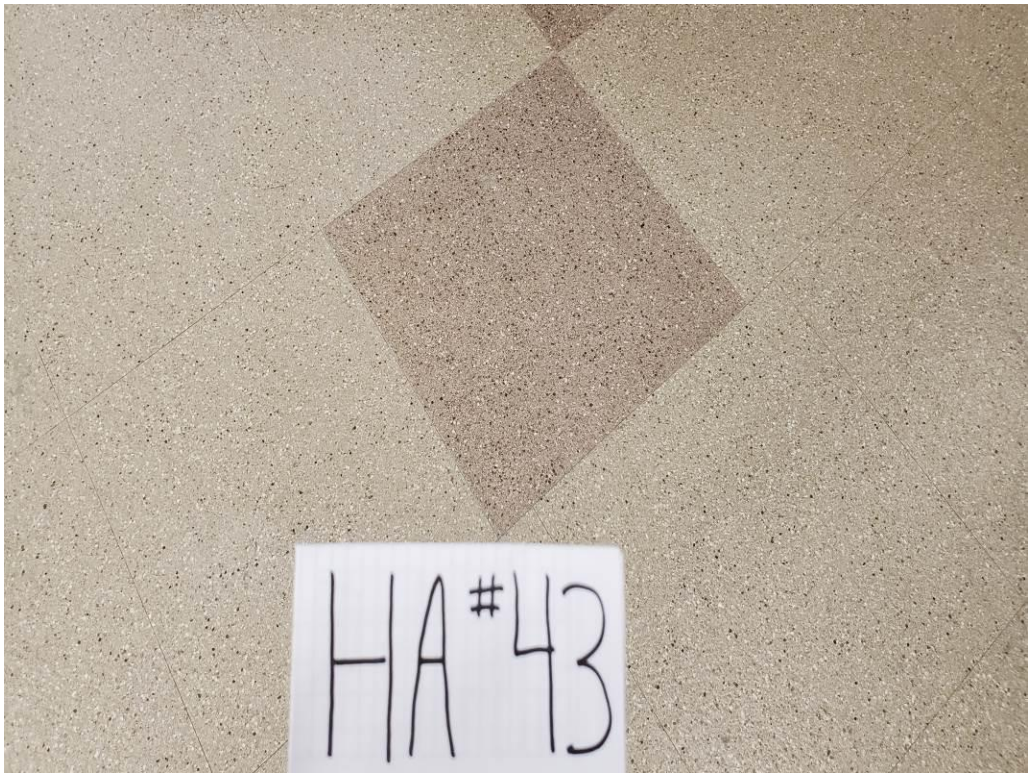
HA #40 – Gray Spray Applied Fireproofing



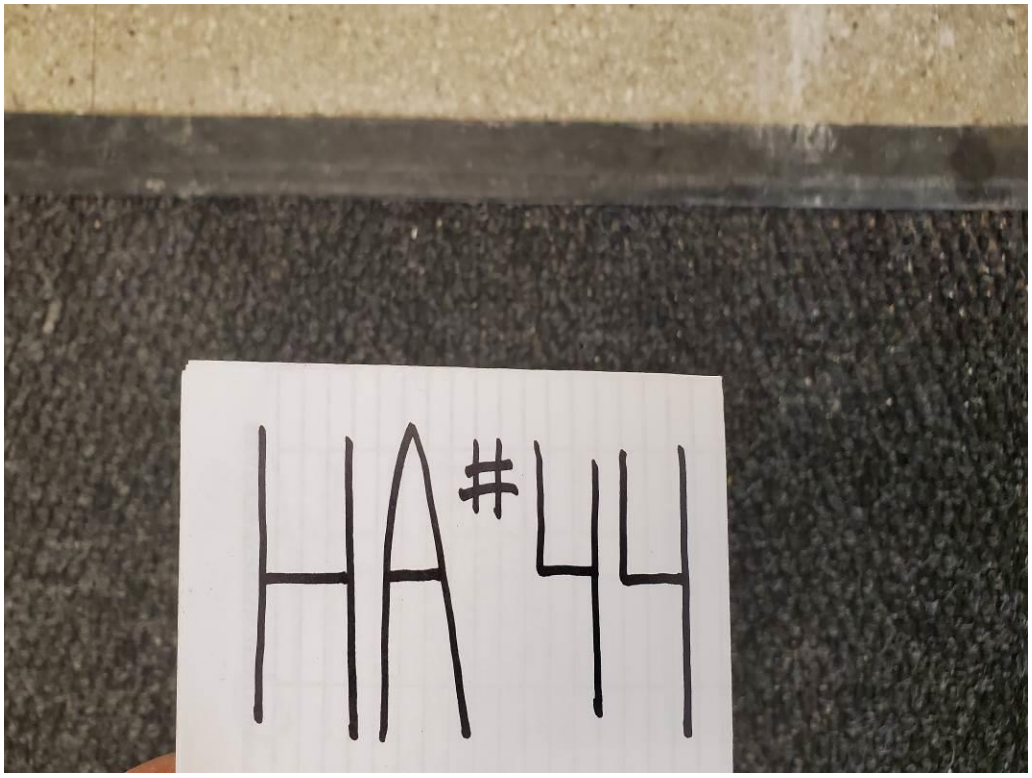
HA #41 – Dark Gray Vinyl Cove Base w/ Mastic



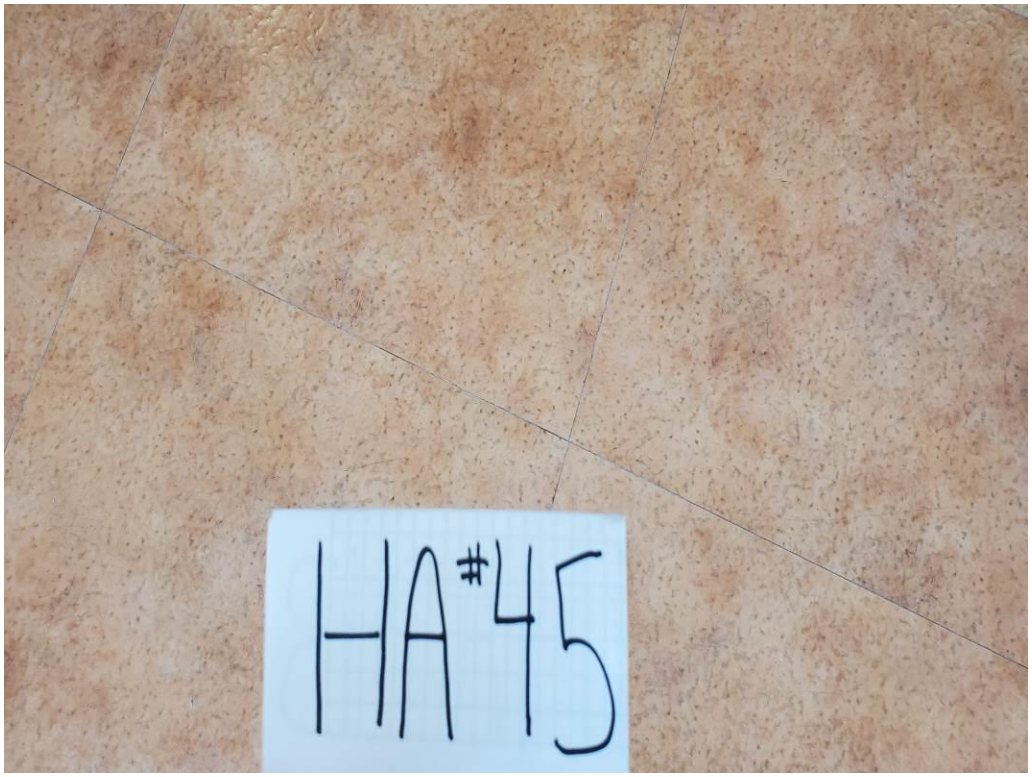
HA #42 – Brown Vinyl Cove Base w/ Mastic



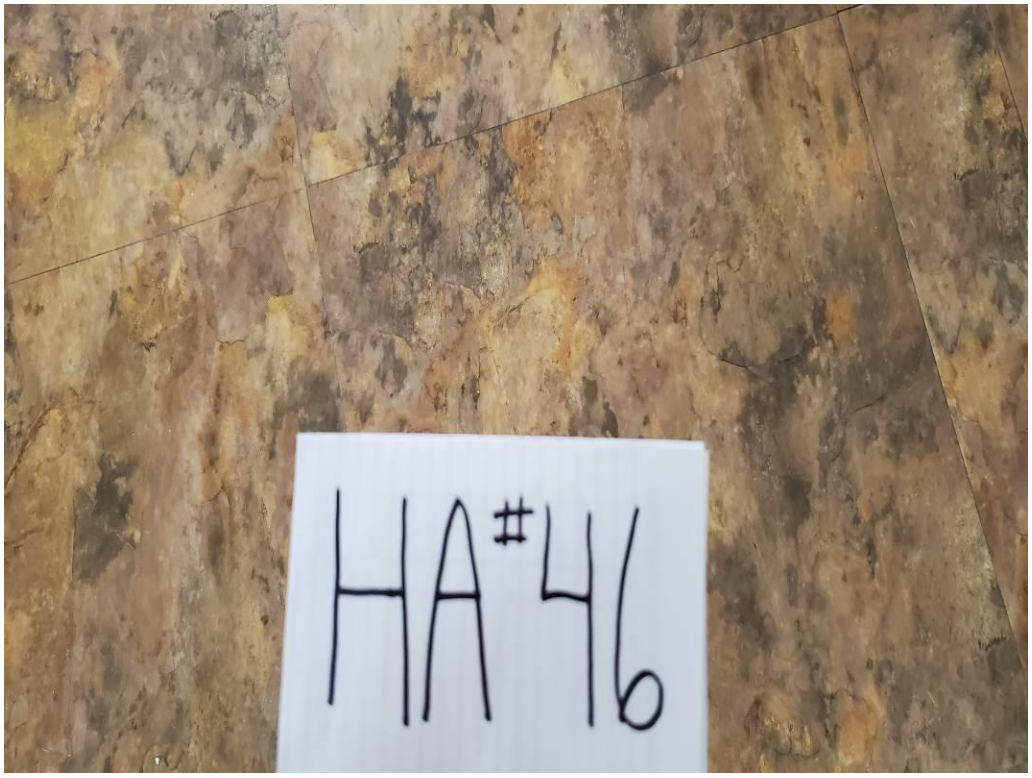
HA #43 – 18”x18” Gray/ Red w/ Black Spots VFT & Mastic



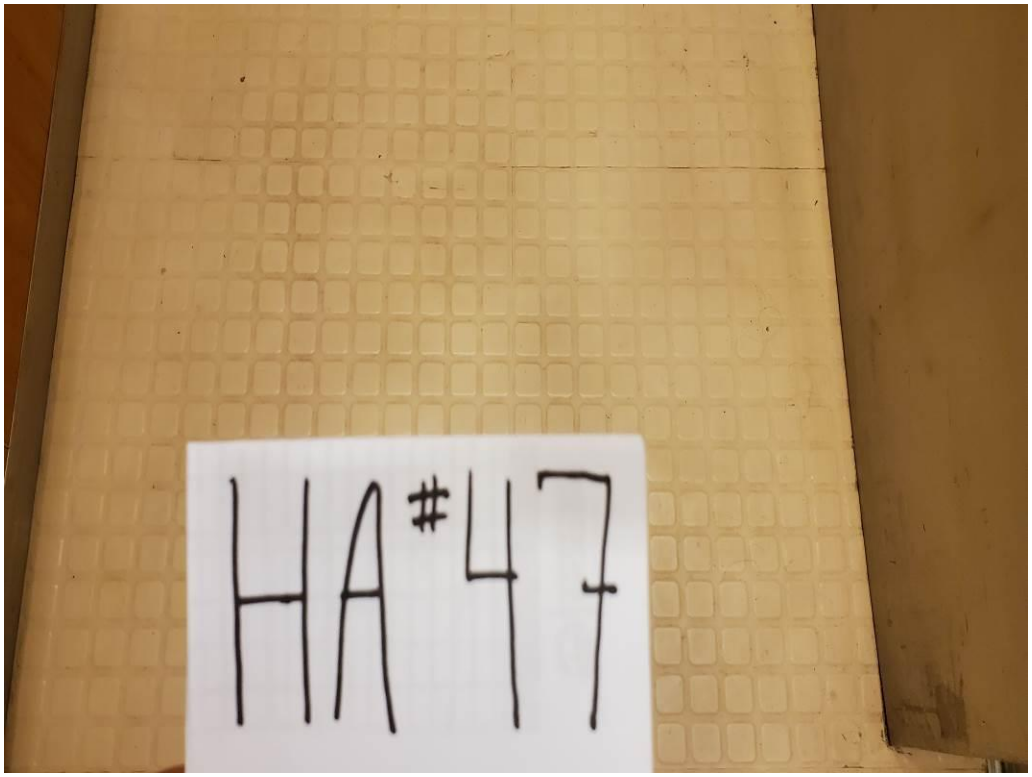
HA #44 – Black Vinyl Threshold Strip



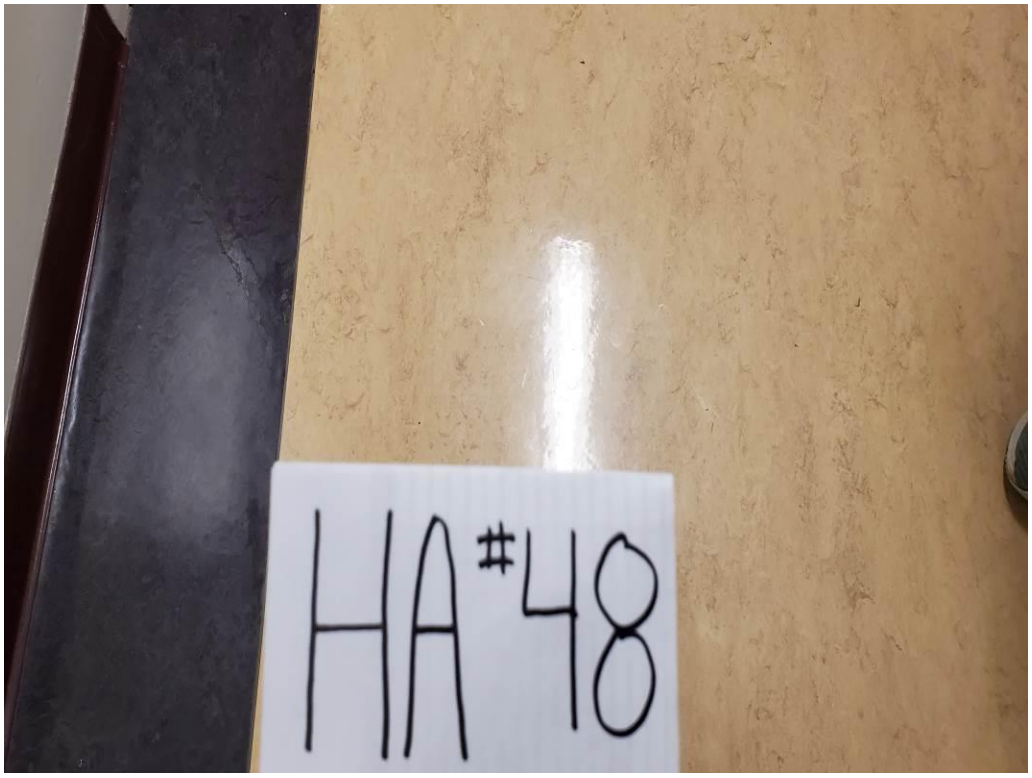
HA #45 – 18”x18” – Orange VFT & Mastic



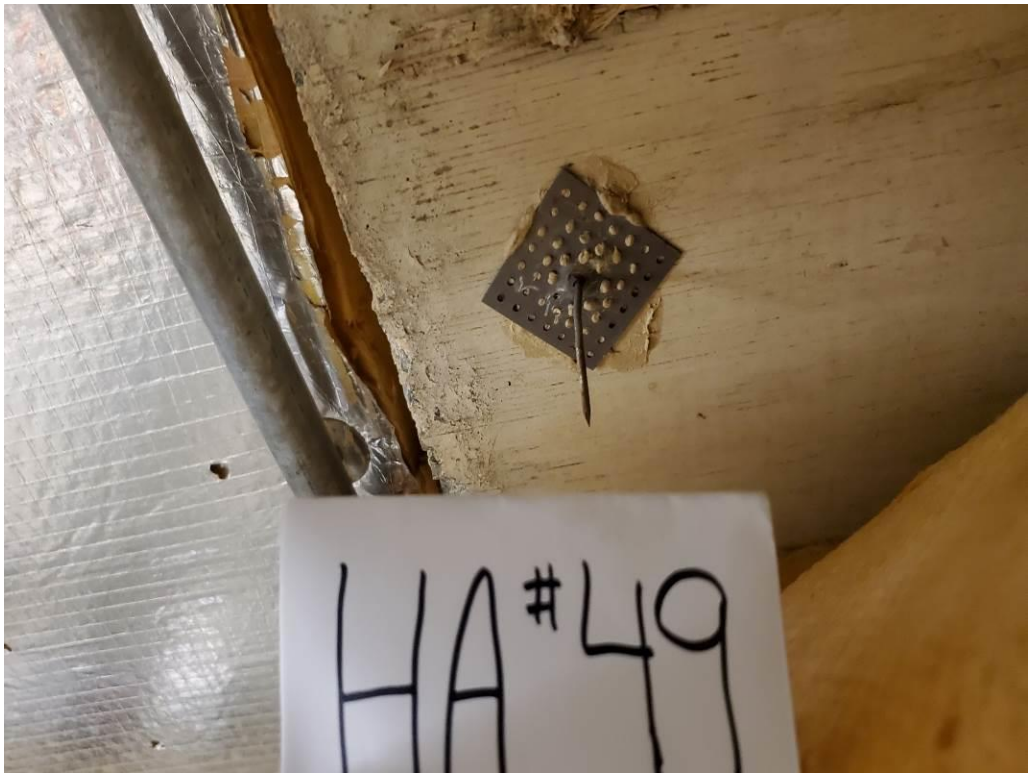
HA #46 – 18”x18” Marble Pattern VFT & Mastic



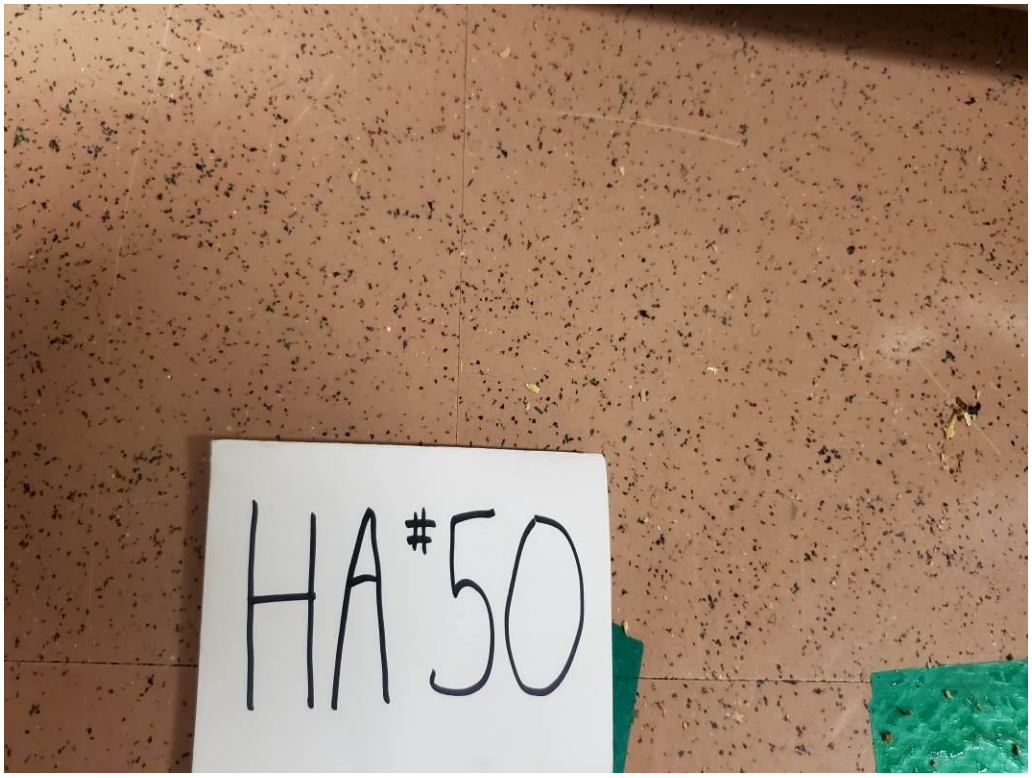
HA #47 – Yellow Textured VFT & Mastic



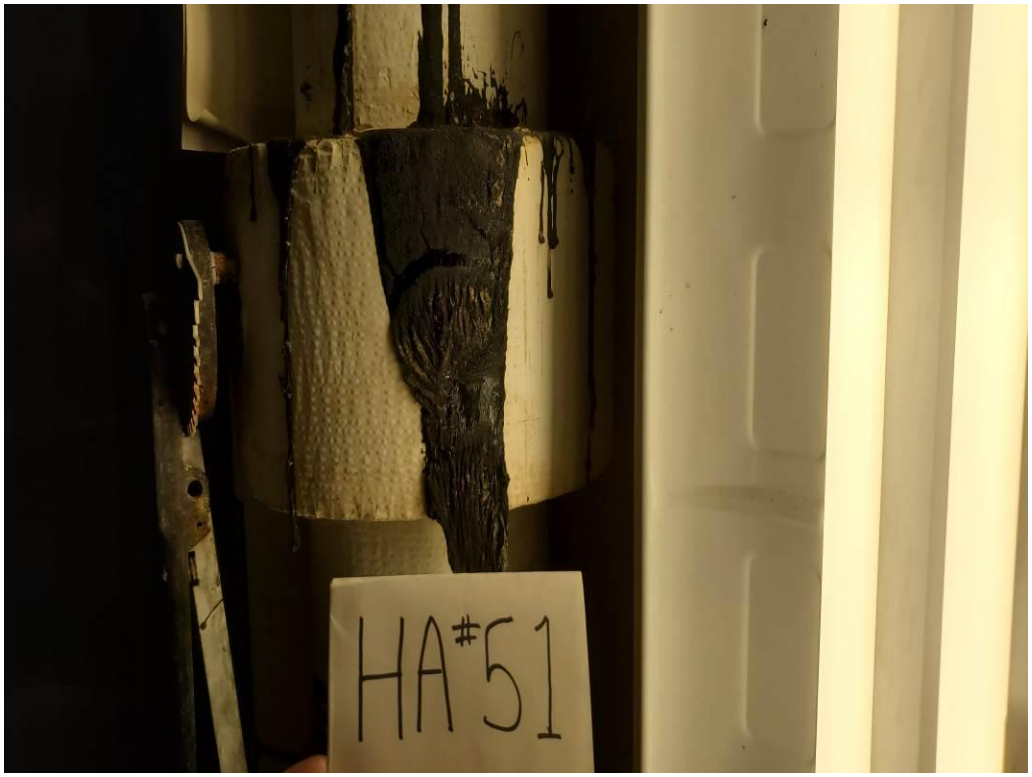
HA #48 – Purple & Orange VSG & Mastic



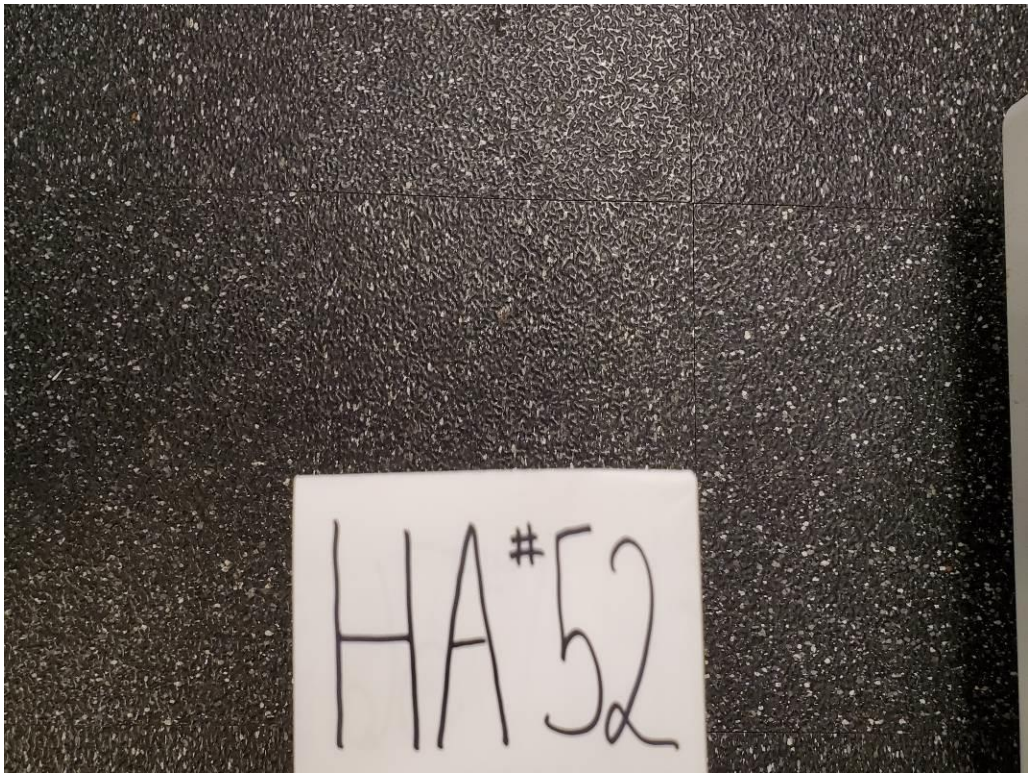
HA #49 – Tan Ceiling Insulation Pin Mastic



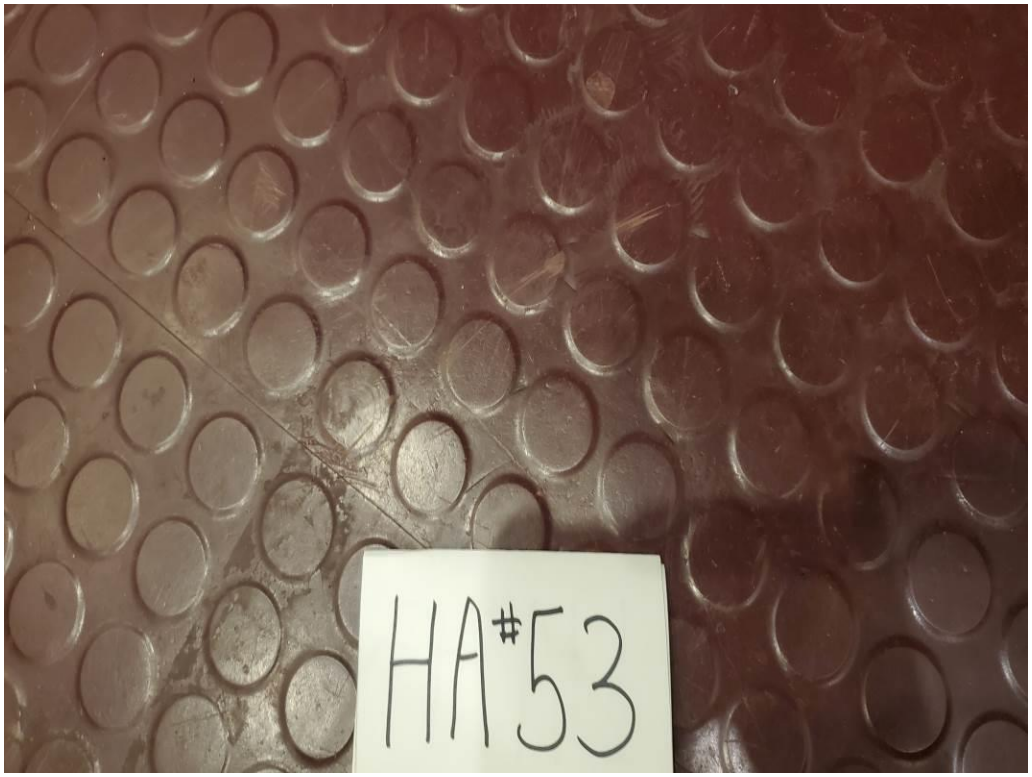
HA #50 – 12”x12” Pink w/ Black Spots VFt & Mastic



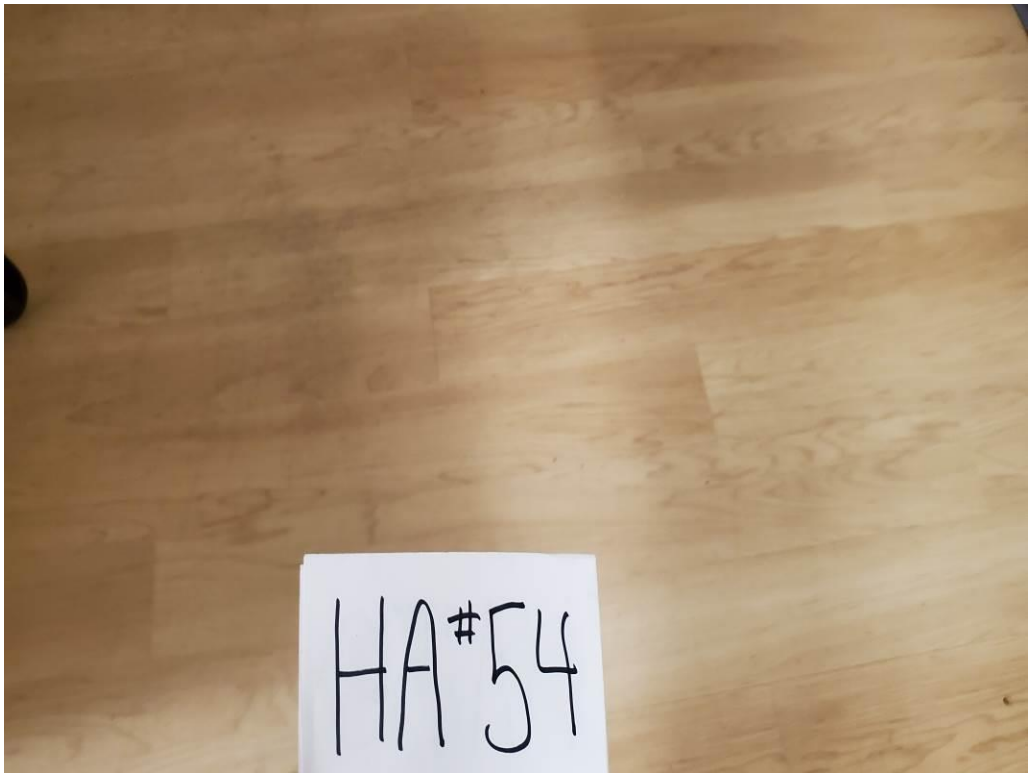
HA #51 – Black Tar Sealant



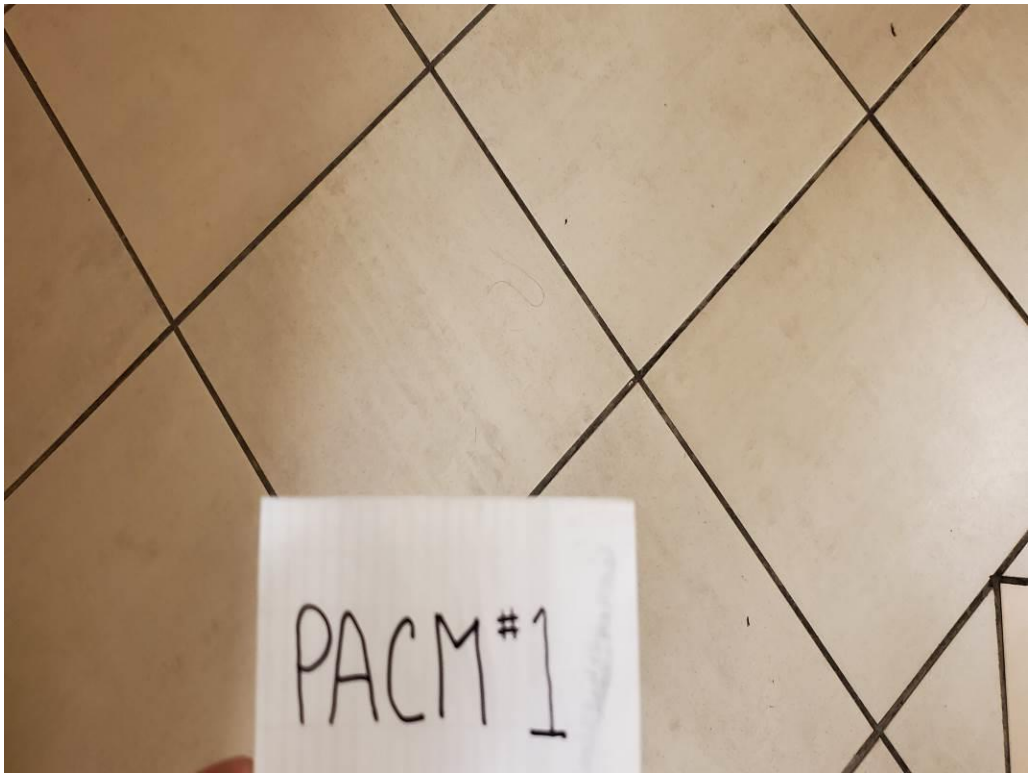
HA #52 – 12”x12” Black w/ White Spots VFT & Mastic



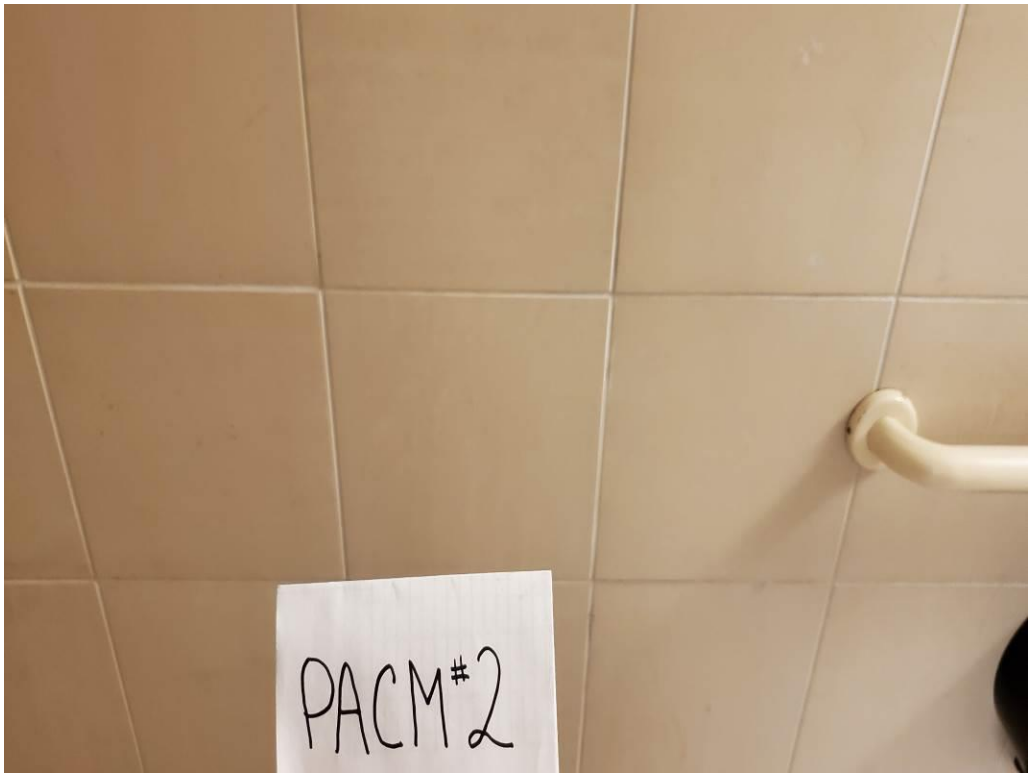
HA #53 – Red Textured VFT & Mastic



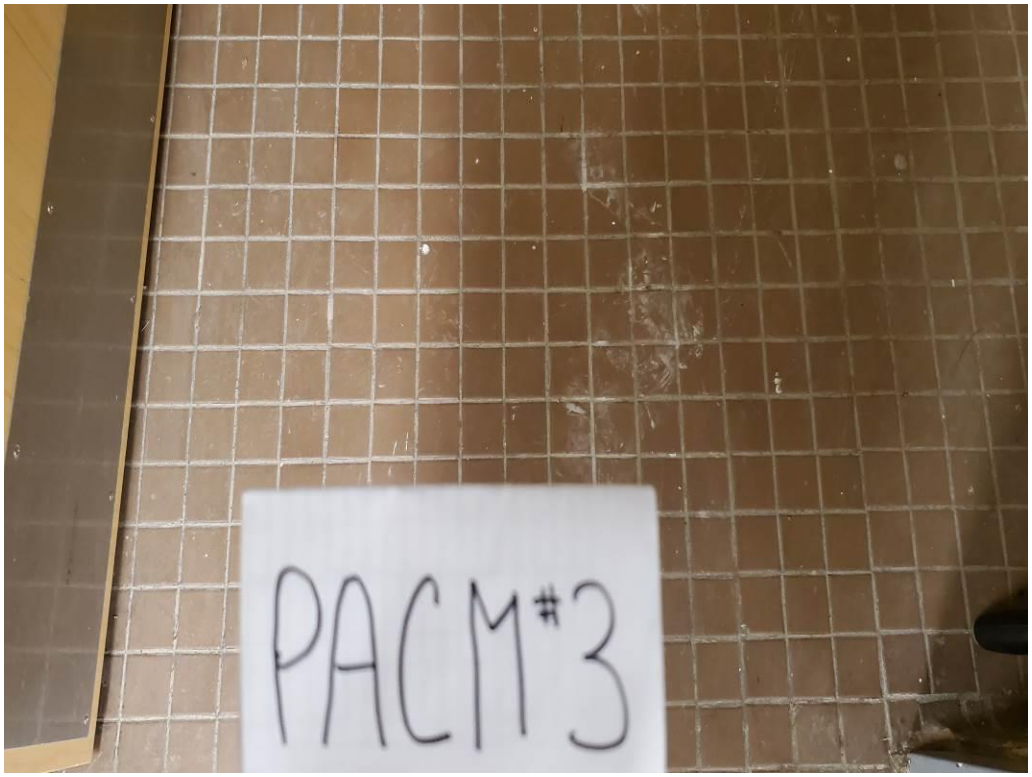
HA #54 – Wood Pattern VSG & Mastic



PACM #1 – 12”x12” Gray Ceramic Floor Tile Grout & Thinset



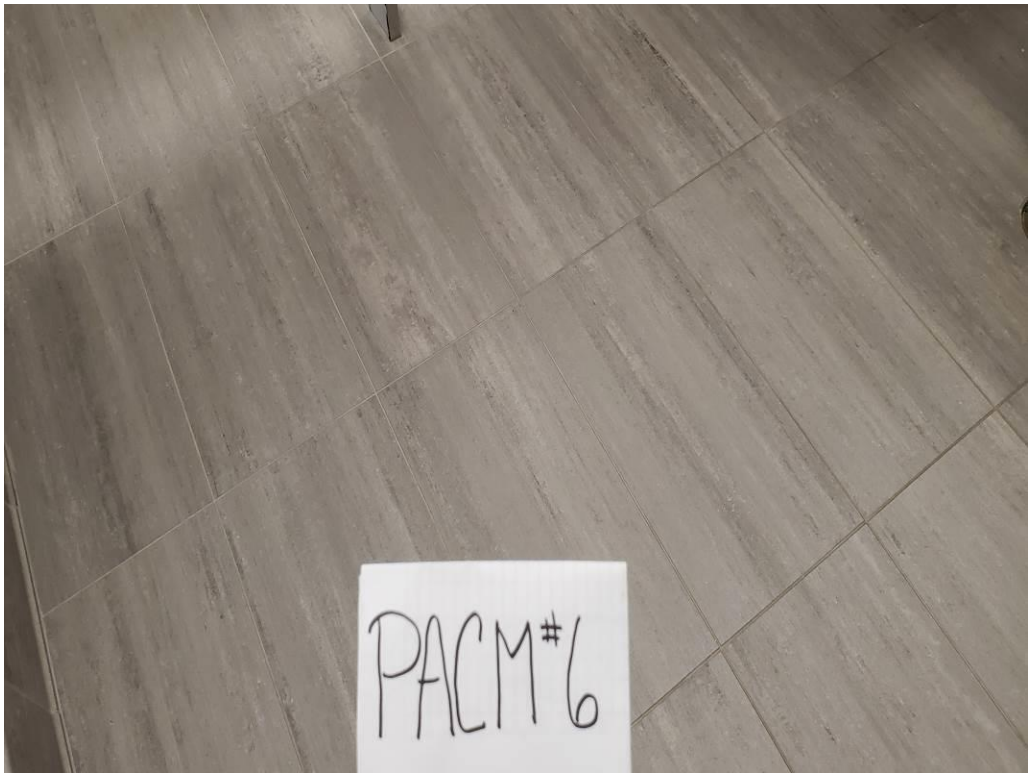
PACM #2 – 12”x12” Tan Ceramic Wall Tile Grout & Adhesive



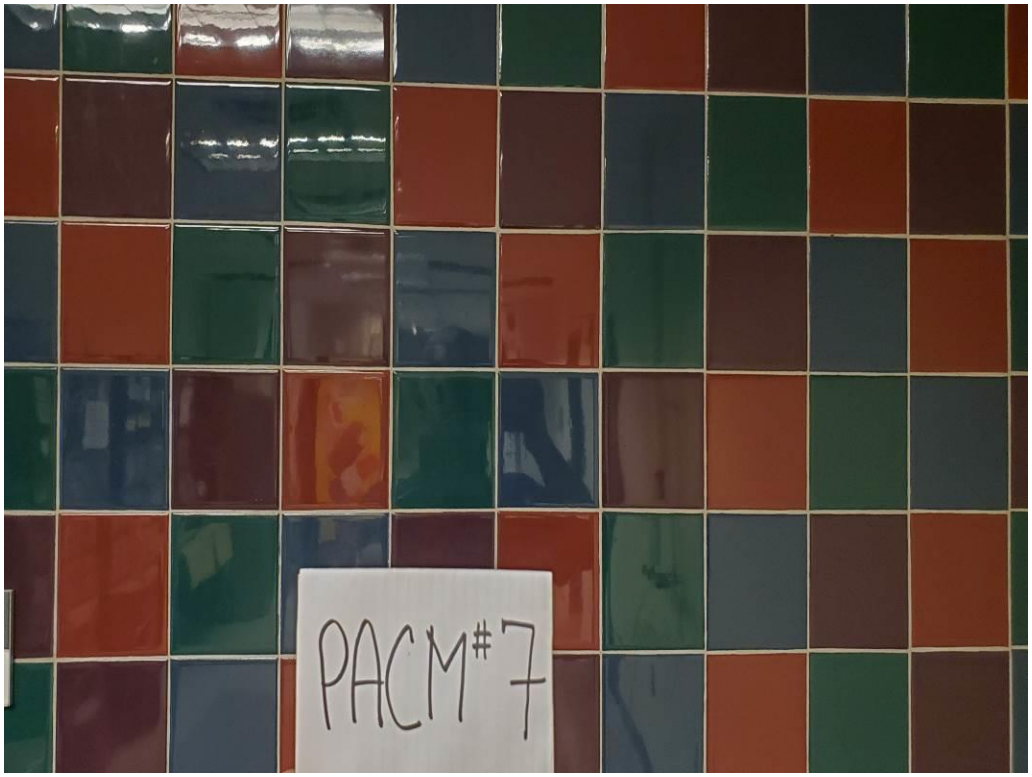
PACM #3 – 1”x1” Brown Ceramic Floor Tile Grout & Thinset

PACM #4 – Vibration dampening Cloth

PACM #5 – Fire Door



PACM #6 – Gray Ceramic Floor & Wall Tile Grout & Adhesive



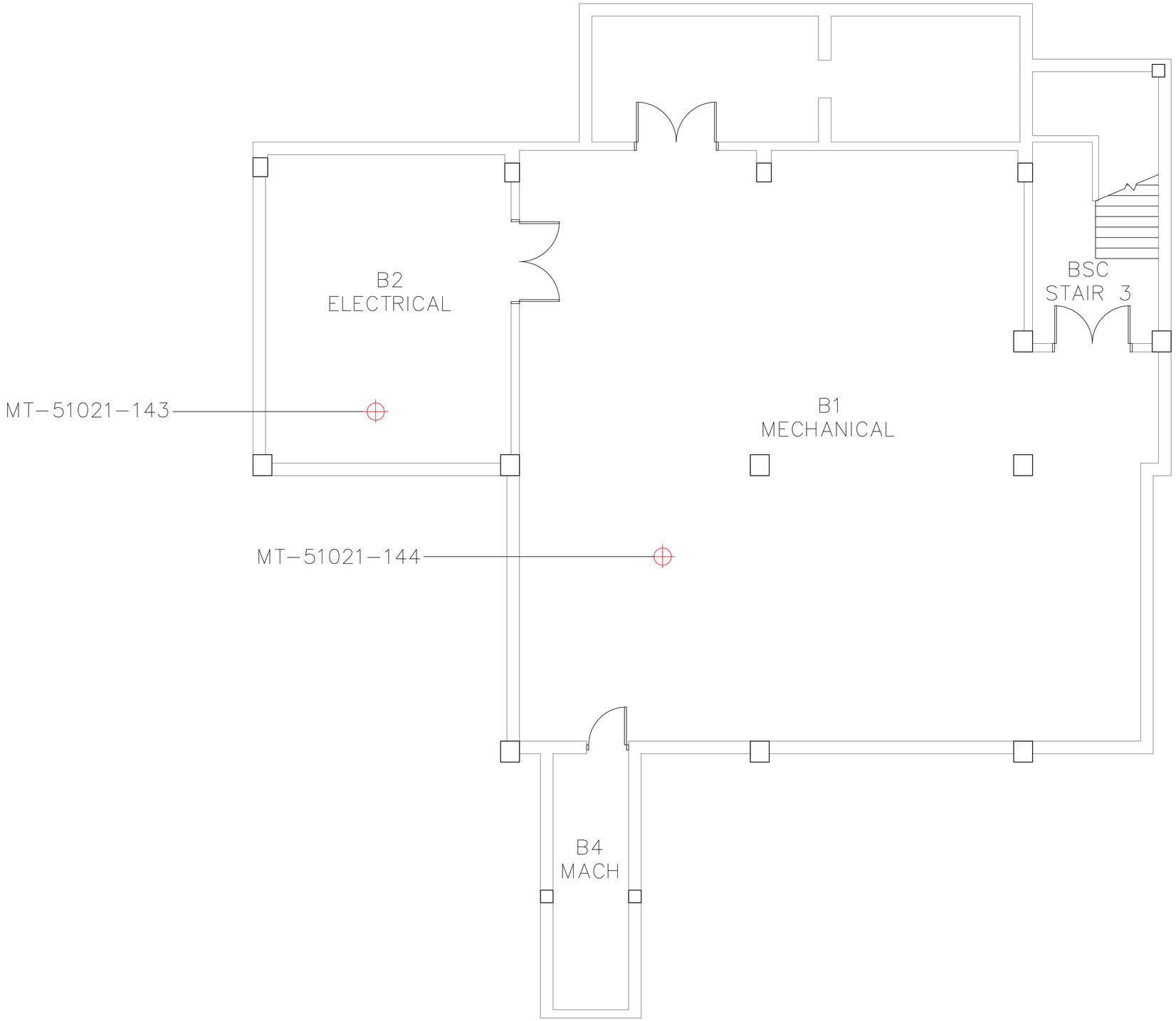
PACM #7 – Multicolor Ceramic Wall Tile Grout & Adhesive

APPENDIX E

BULK SAMPLING LOCATIONS

&

ASBESTOS CONTAINING MATERIAL DRAWING



HAZMAT LEGEND

- POSITIVE SEALANT (CAULK)
- POSITIVE HEATED PRESSURE VESSEL (TANK)
- FD POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
- POSITIVE PIPE INSULATION
- D POSITIVE DUCT DAMPANER
- POSITIVE DUCT SEALANT JOINT
- POSITIVE DUCT INSULATION JOINT
- POSITIVE DUCT INSULATION
- POSITIVE CEILING ADHESIVE
- POSITIVE CEILING TILE
- POSITIVE DRYWALL
- POSITIVE PLASTER/STUCCO
- POSITIVE FIREPROOFING
- POSITIVE CEMENTITIOUS MATERIAL
- POSITIVE FLOOR ADHESIVE
- POSITIVE FLOOR TILE
- POSITIVE DUCT PIN MASTIC
- PRESUMED CERAMIC TILES
- PRESUMED VIBRATION DAMPENER
- PRESUMED TRANSITE TABLETOPS
- NEGATIVE SAMPLE LOCATION
- POSITIVE SAMPLE LOCATION

Date	06/29/2021
Scale	Not to Scale
Drawn	KC
Approved	XX
Dwg. No.	XXX

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ROCKVILLE CAMPUS
MACKLIN TOWER BUILDING - BASEMENT FLOOR
2021 COLLEGEWIDE LIMITED ASBESTOS RE-SURVEY, FP21-023

HAZMAT LEGEND

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- POSITIVE HEATED PRESSURE VESSEL (TANK)
- FD POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
- POSITIVE PIPE INSULATION
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HAZMAT LEGEND

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- POSITIVE HEATED PRESSURE VESSEL (TANK)
- FD POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
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MACKLIN TOWER BUILDING - 1ST FLOOR

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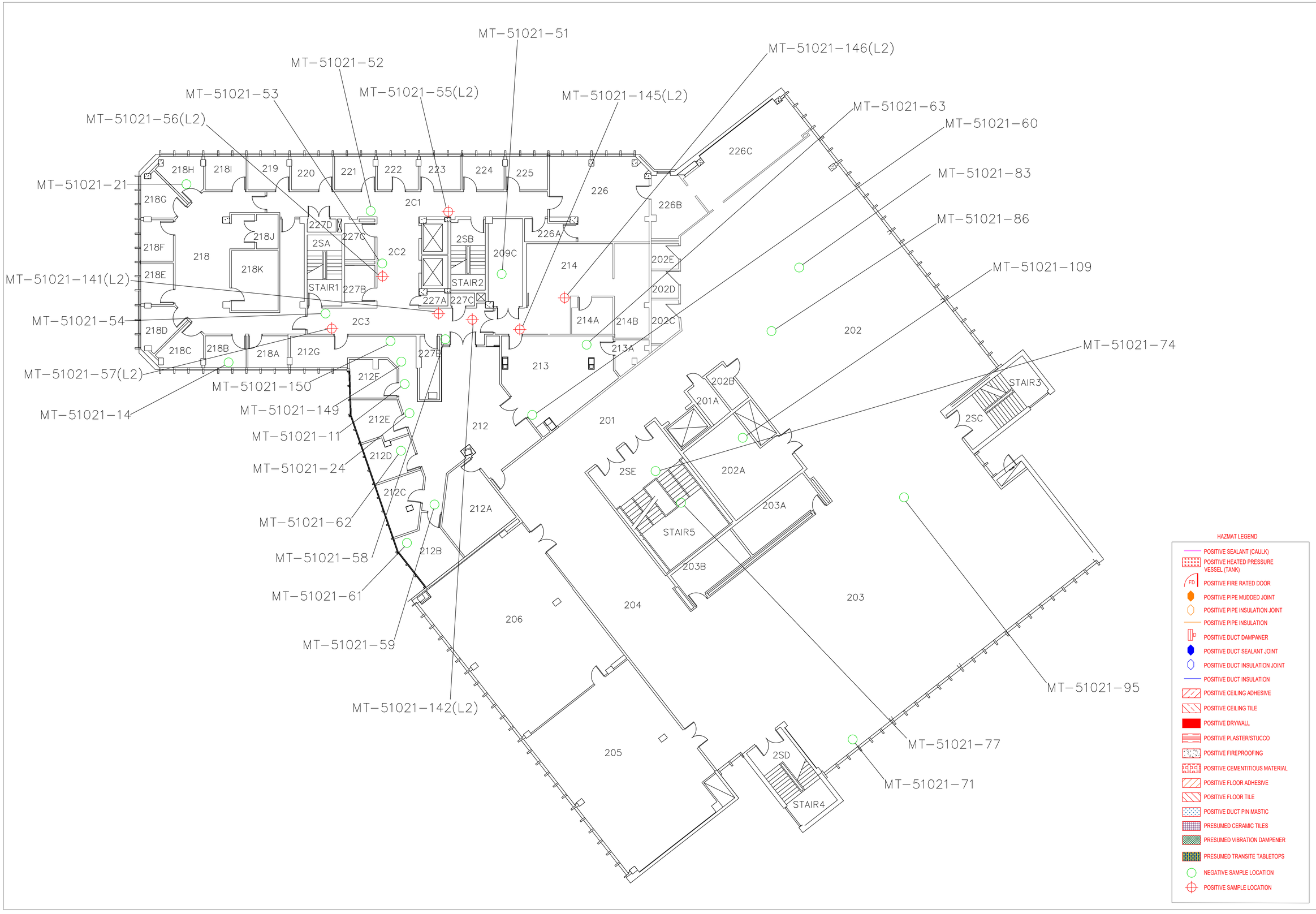

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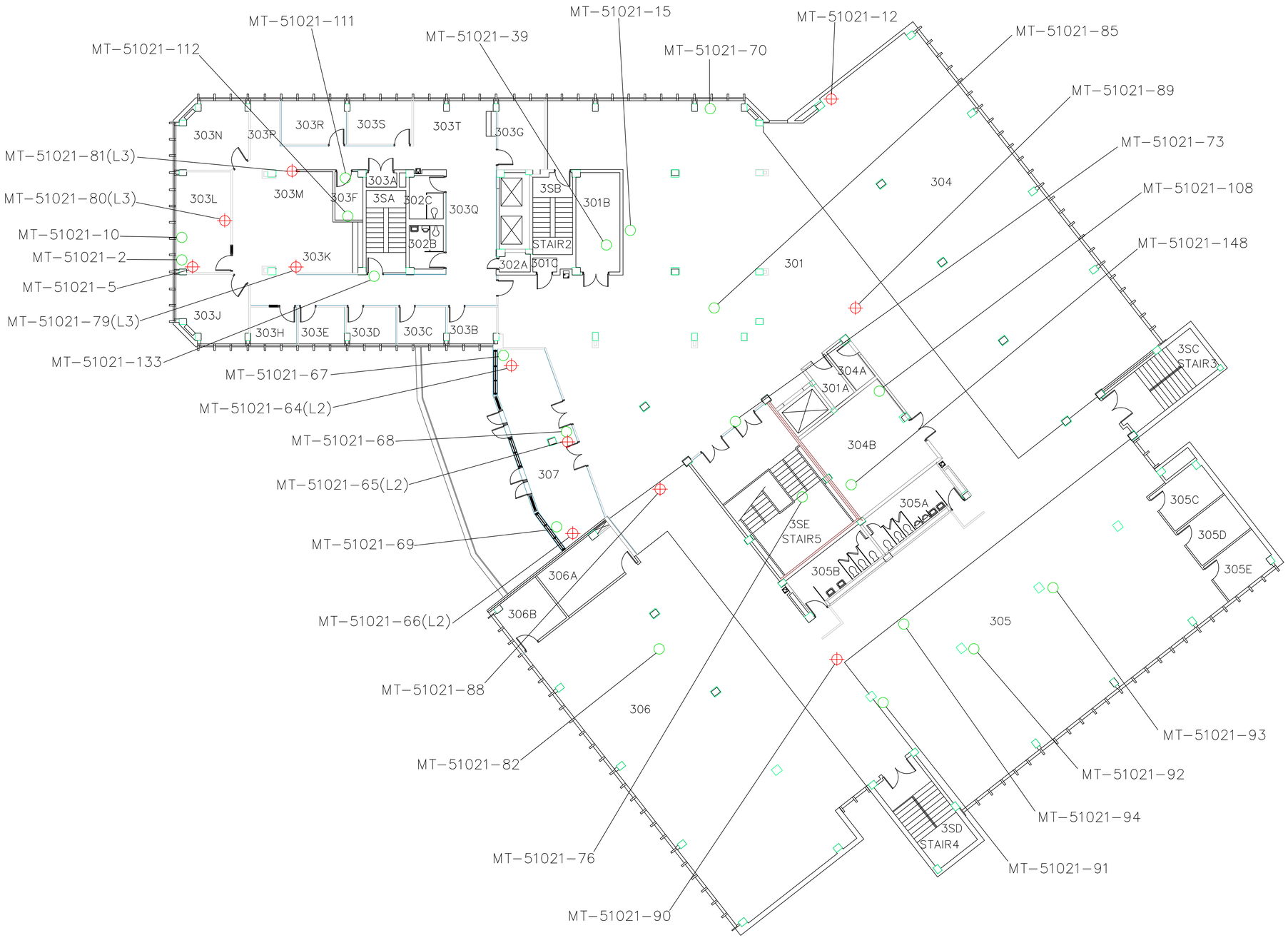

HAZMAT LEGEND

- POSITIVE SEALANT (CAULK)
- POSITIVE HEATED PRESSURE VESSEL (TANK)
- POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
- POSITIVE PIPE INSULATION
- POSITIVE DUCT DAMPANER
- POSITIVE DUCT SEALANT JOINT
- POSITIVE DUCT INSULATION JOINT
- POSITIVE DUCT INSULATION
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- POSITIVE FLOOR ADHESIVE
- POSITIVE FLOOR TILE
- POSITIVE DUCT PIN MASTIC
- PRESUMED CERAMIC TILES
- PRESUMED VIBRATION DAMPENER
- PRESUMED TRANSITE TABLETOPS
- NEGATIVE SAMPLE LOCATION
- POSITIVE SAMPLE LOCATION

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MACKLIN TOWER BUILDING - THIRD FLOOR

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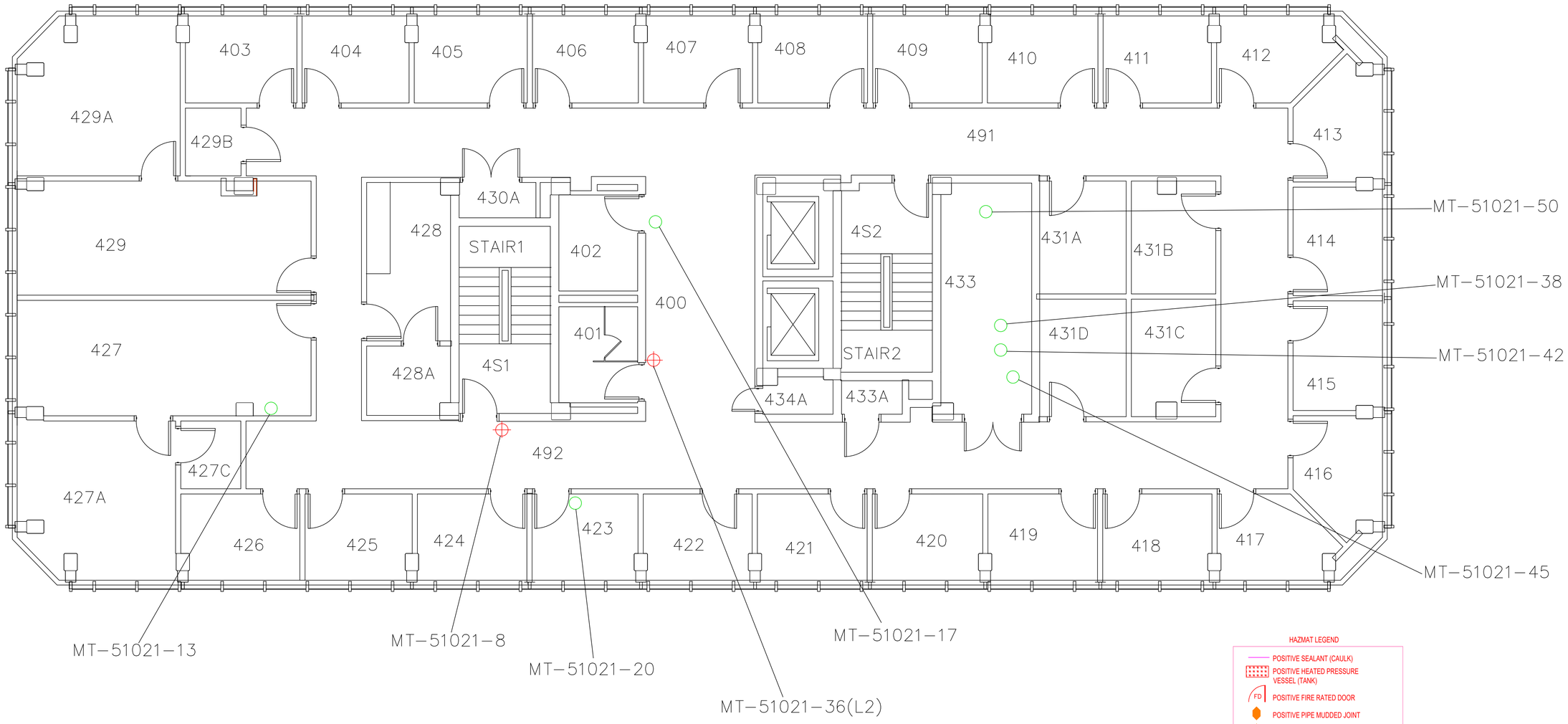

HAZMAT LEGEND

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- POSITIVE HEATED PRESSURE VESSEL (TANK)
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MACKLIN TOWER BUILDING - FOURTH FLOOR

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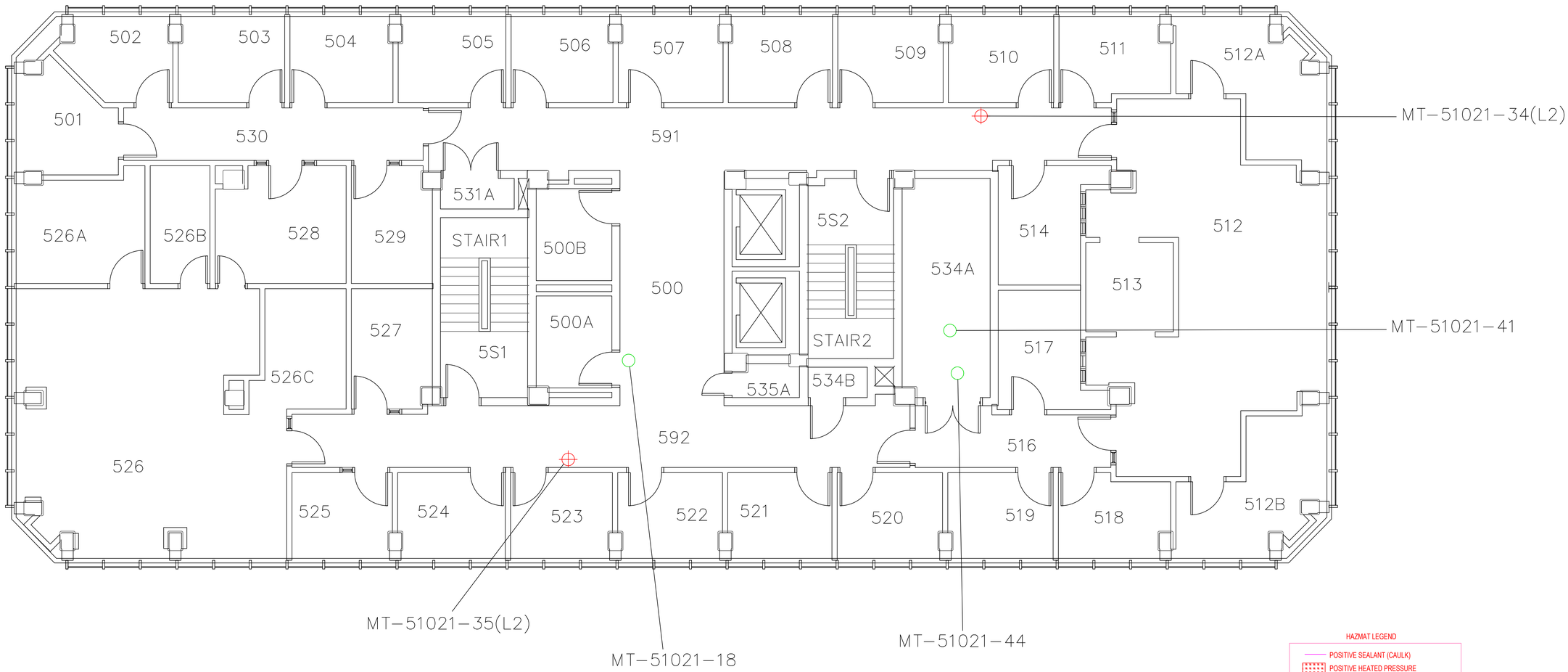

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MACKLIN TOWER BUILDING - FIFTH FLOOR

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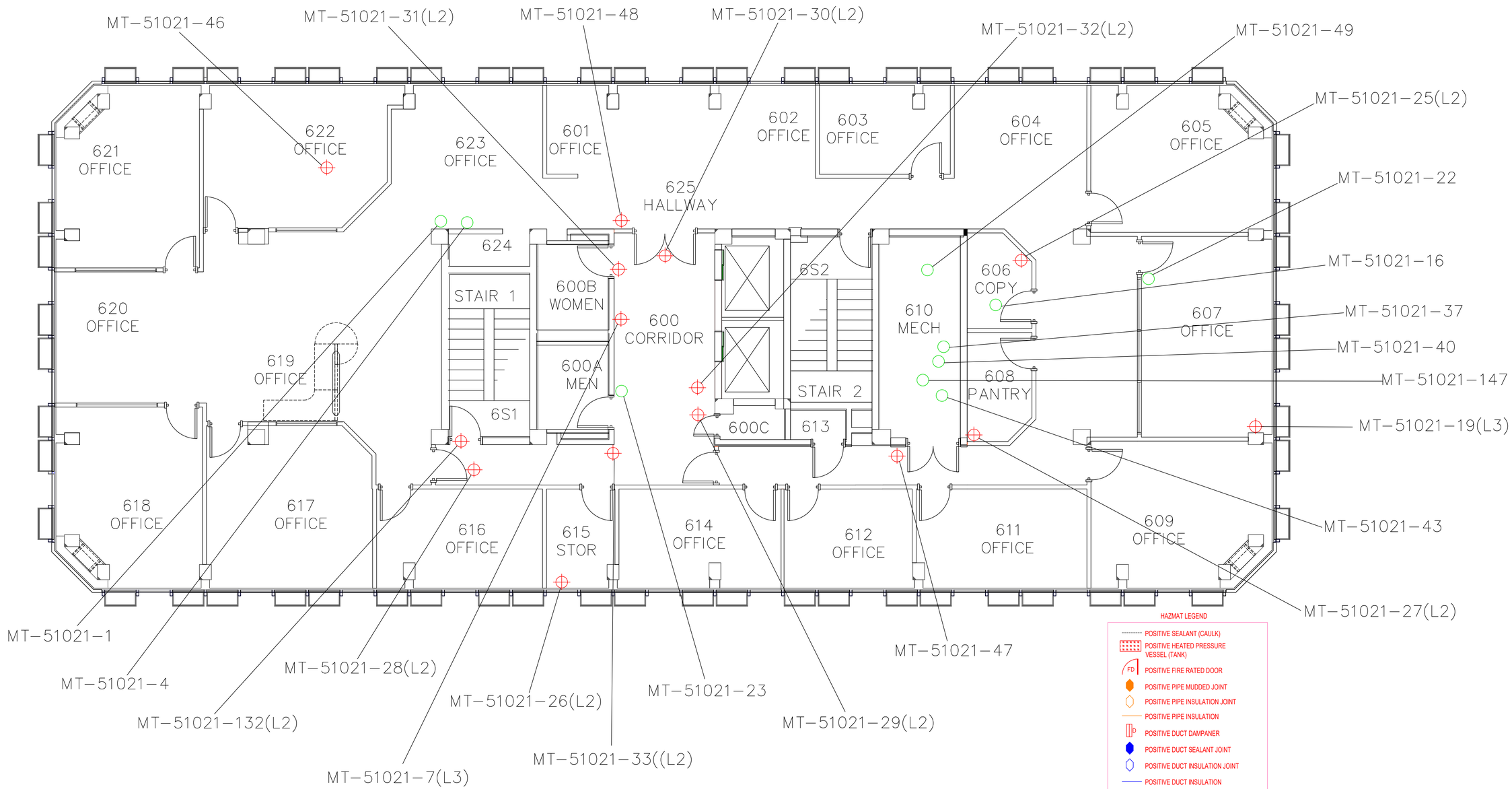

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MACKLIN TOWER BUILDING - SIXTH FLOOR

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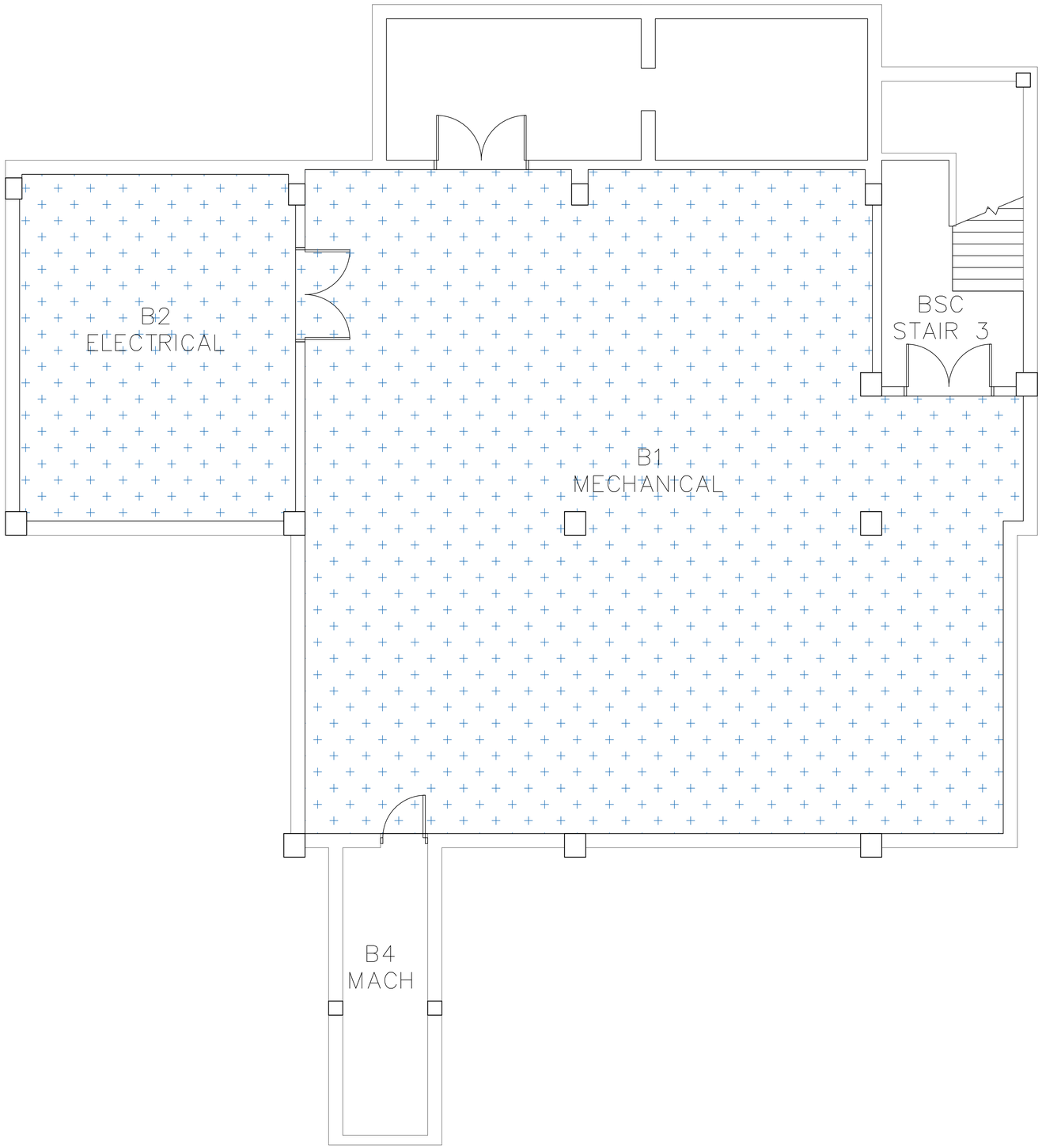

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MACKLIN TOWER BUILDING - BASEMENT FLOOR

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HAZMAT LEGEND

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- PRESUMED TRANSITE TABLETOPS
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ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - GROUND FLOOR

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ROCKVILLE CAMPUS

MACKLIN TOWER - GROUND FLOOR - ABOVE 4 FT.

2021 COLLEGEWIDE LIMITED ASBESTOS RE-SURVEY, FP21-023

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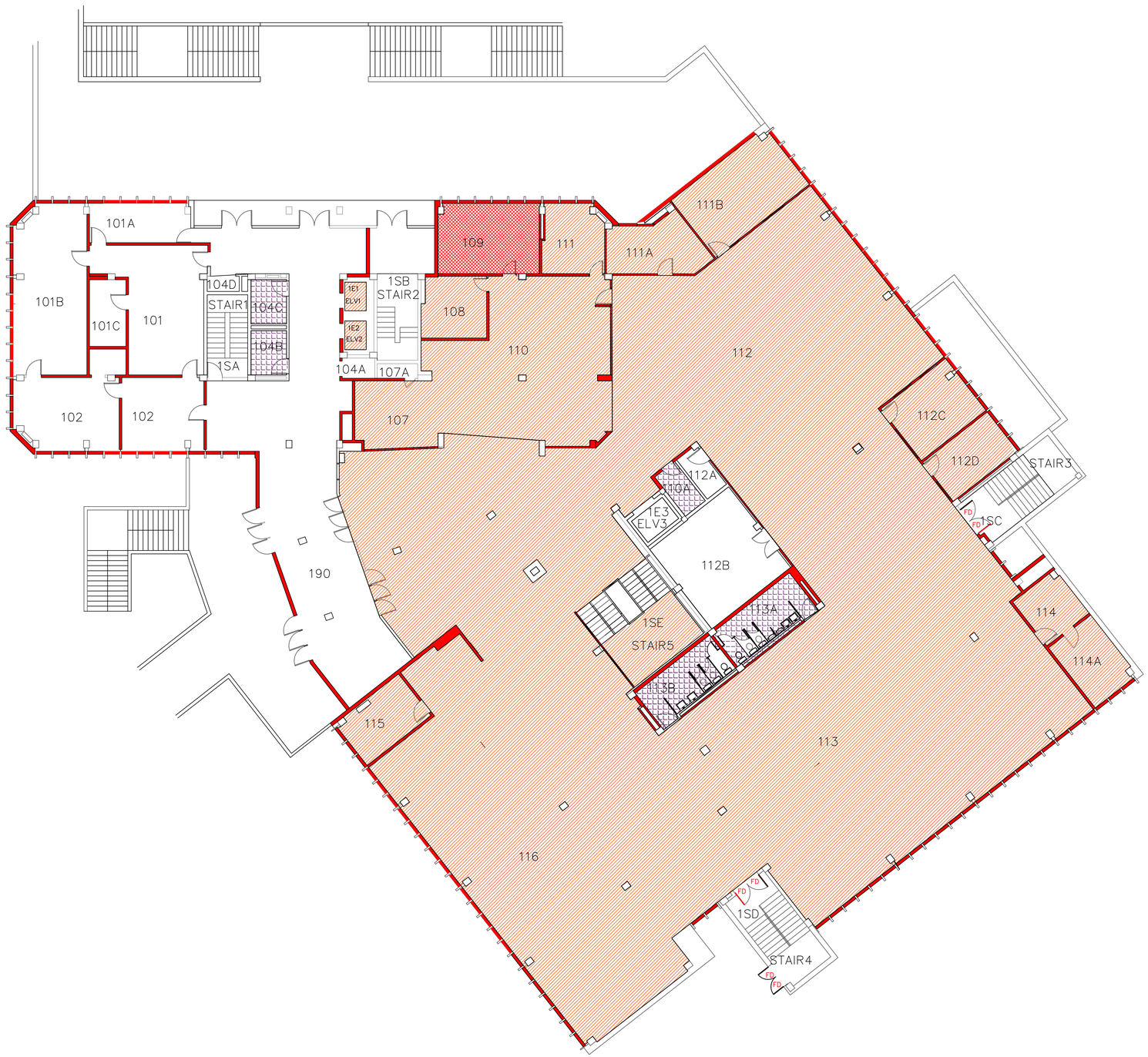

HAZMAT LEGEND

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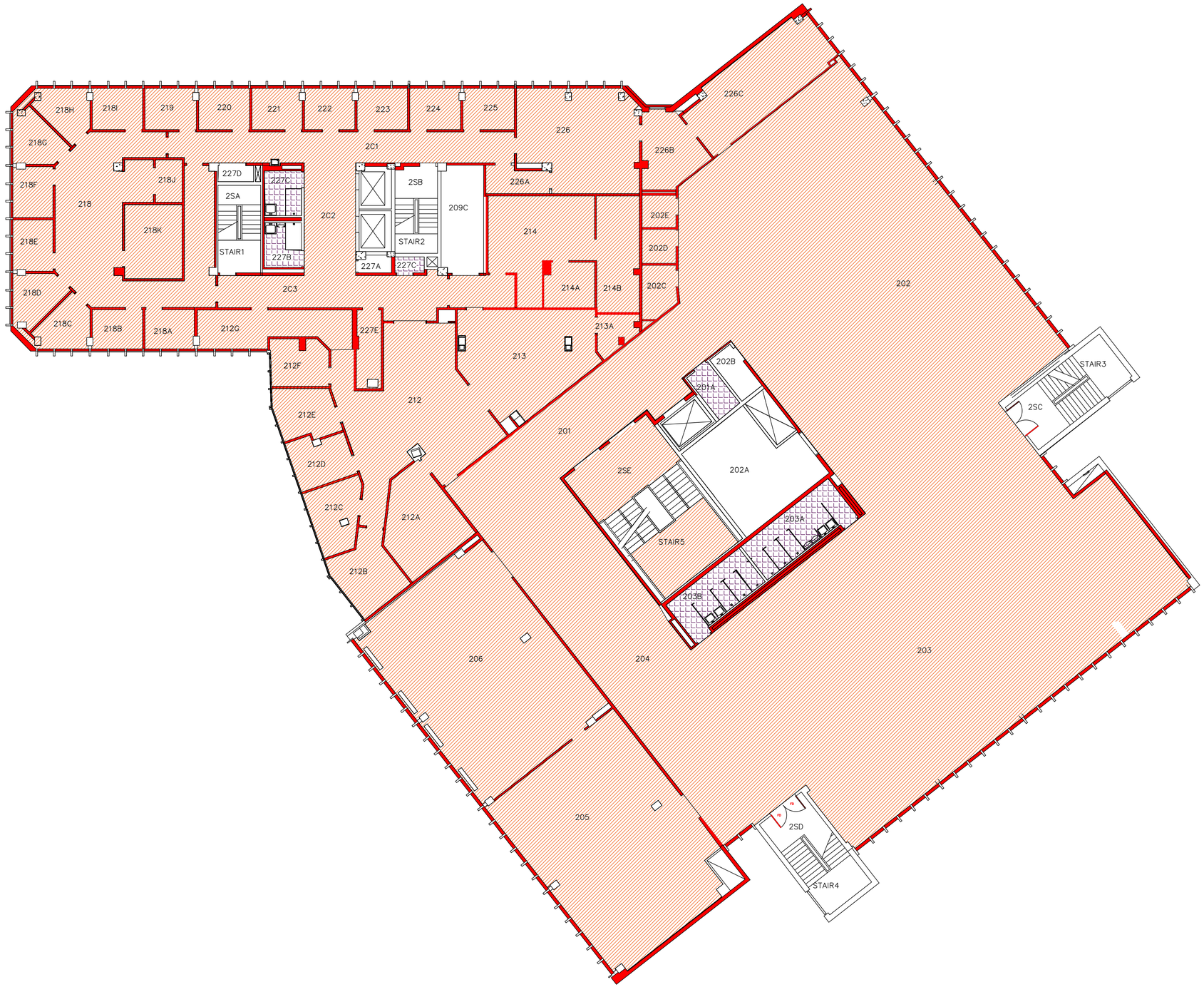
MACKLIN TOWER BUILDING - 1ST FLOOR

2021 COLLEGEWIDE LIMITED ASBESTOS RE-SURVEY, FP21-023



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- POSITIVE HEATED PRESSURE VESSEL (TANK)
- POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
- POSITIVE PIPE INSULATION
- POSITIVE DUCT DAMPANER
- POSITIVE DUCT SEALANT JOINT
- POSITIVE DUCT INSULATION JOINT
- POSITIVE DUCT INSULATION
- POSITIVE CEILING ADHESIVE
- POSITIVE CEILING TILE
- POSITIVE DRYWALL
- POSITIVE PLASTER/STUCCO
- POSITIVE FIREPROOFING
- POSITIVE CEMENTITIOUS MATERIAL
- POSITIVE FLOOR ADHESIVE
- POSITIVE FLOOR TILE
- POSITIVE DUCT PIN MASTIC
- PRESUMED CERAMIC TILES
- PRESUMED VIBRATION DAMPENER
- PRESUMED TRANSITE TABLETOPS
- NEGATIVE SAMPLE LOCATION
- POSITIVE SAMPLE LOCATION

Date	06/29/2021
Scale	Not to Scale
Drawn	KC
Approved	XX
Dwg. No.	XXX

MONTGOMERY COLLEGE

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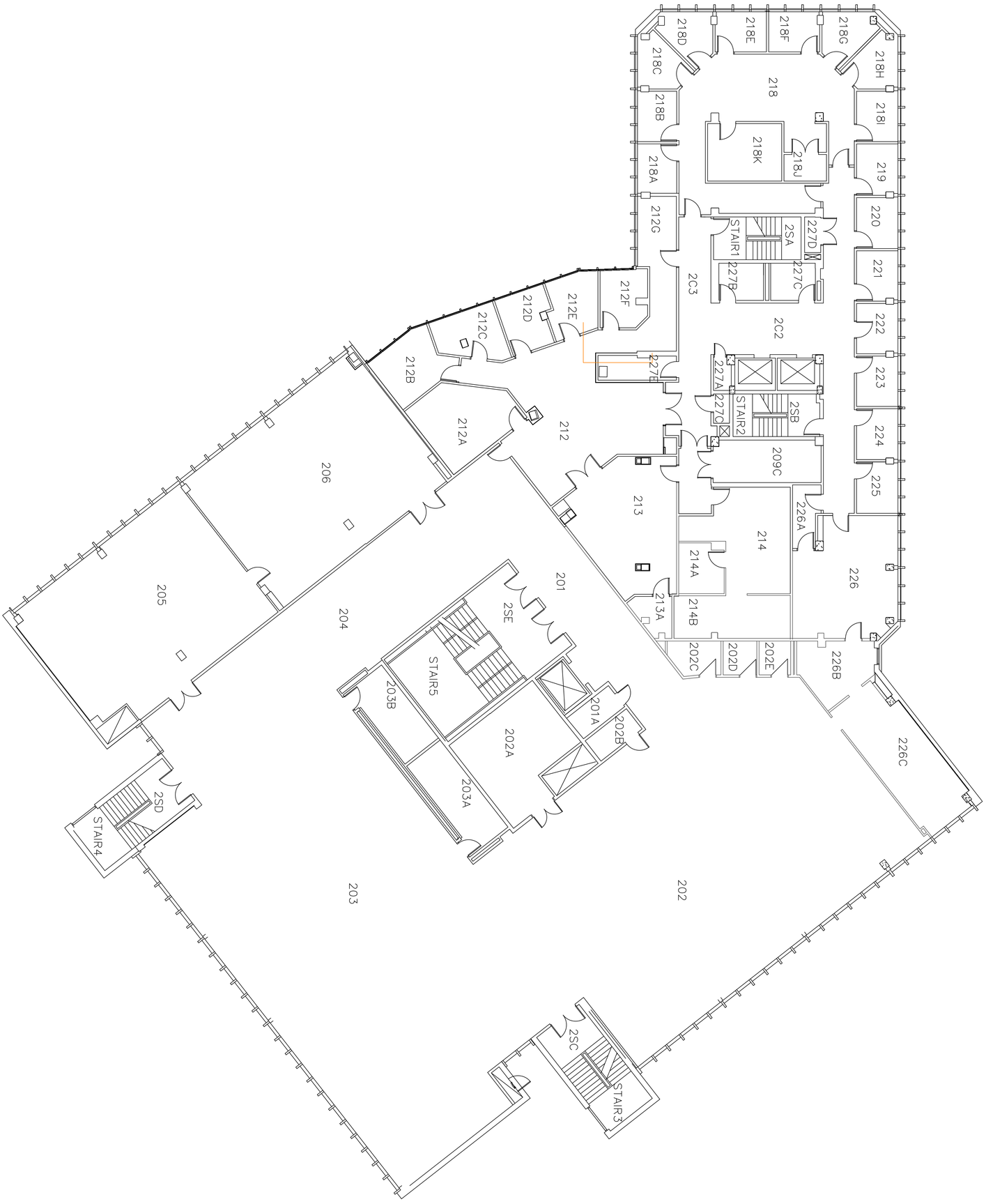
9221 Corporate Blvd, Rockville, MD 20850
EnvironmentalSafety@MontgomeryCollege.edu

BOGGS ENVIRONMENTAL CONSULTANTS

ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - SECOND FLOOR

2021 COLLEGEWIDE LIMITED ASBESTOS RE-SURVEY, FP21-023



HAZMAT LEGEND

- POSITIVE SEALANT (CAULK)
- POSITIVE HEATED PRESSURE VESSEL (TANK)
- POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
- POSITIVE PIPE INSULATION
- POSITIVE DUCT DAMPANER
- POSITIVE DUCT SEALANT JOINT
- POSITIVE DUCT INSULATION JOINT
- POSITIVE DUCT INSULATION
- POSITIVE CEILING ADHESIVE
- POSITIVE CEILING TILE
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- PRESUMED TRANSITE TABLETOPS
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- POSITIVE SAMPLE LOCATION

ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - 2ND FLOOR - ABOVE 4 FT.

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Date	06/29/2021
Scale	Not to Scale
Drawn	KC
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HAZMAT LEGEND

- POSITIVE SEALANT (CAULK)
- POSITIVE HEATED PRESSURE VESSEL (TANK)
- POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
- POSITIVE PIPE INSULATION
- POSITIVE DUCT DAMPANER
- POSITIVE DUCT SEALANT JOINT
- POSITIVE DUCT INSULATION JOINT
- POSITIVE DUCT INSULATION
- POSITIVE CEILING ADHESIVE
- POSITIVE CEILING TILE
- POSITIVE DRYWALL
- POSITIVE PLASTER/STUCCO
- POSITIVE FIREPROOFING
- POSITIVE CEMENTITIOUS MATERIAL
- POSITIVE FLOOR ADHESIVE
- POSITIVE FLOOR TILE
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- PRESUMED CERAMIC TILES
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- NEGATIVE SAMPLE LOCATION
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ENVIRONMENTAL CONSULTANTS

ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - THIRD FLOOR

2021 COLLEGEWIDE LIMITED ASBESTOS RE-SURVEY, FP21-023

HAZMAT LEGEND

- POSITIVE SEALANT (CAULK)
- POSITIVE HEATED PRESSURE VESSEL (TANK)
- FD POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
- POSITIVE PIPE INSULATION JOINT
- POSITIVE PIPE INSULATION
- D POSITIVE DUCT DAMPANER
- POSITIVE DUCT SEALANT JOINT
- POSITIVE DUCT INSULATION JOINT
- POSITIVE DUCT INSULATION
- POSITIVE CEILING ADHESIVE
- POSITIVE CEILING TILE
- POSITIVE DRYWALL
- POSITIVE PLASTER/STUCCO
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ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - 3RD FLOOR - ABOVE 4 FT.

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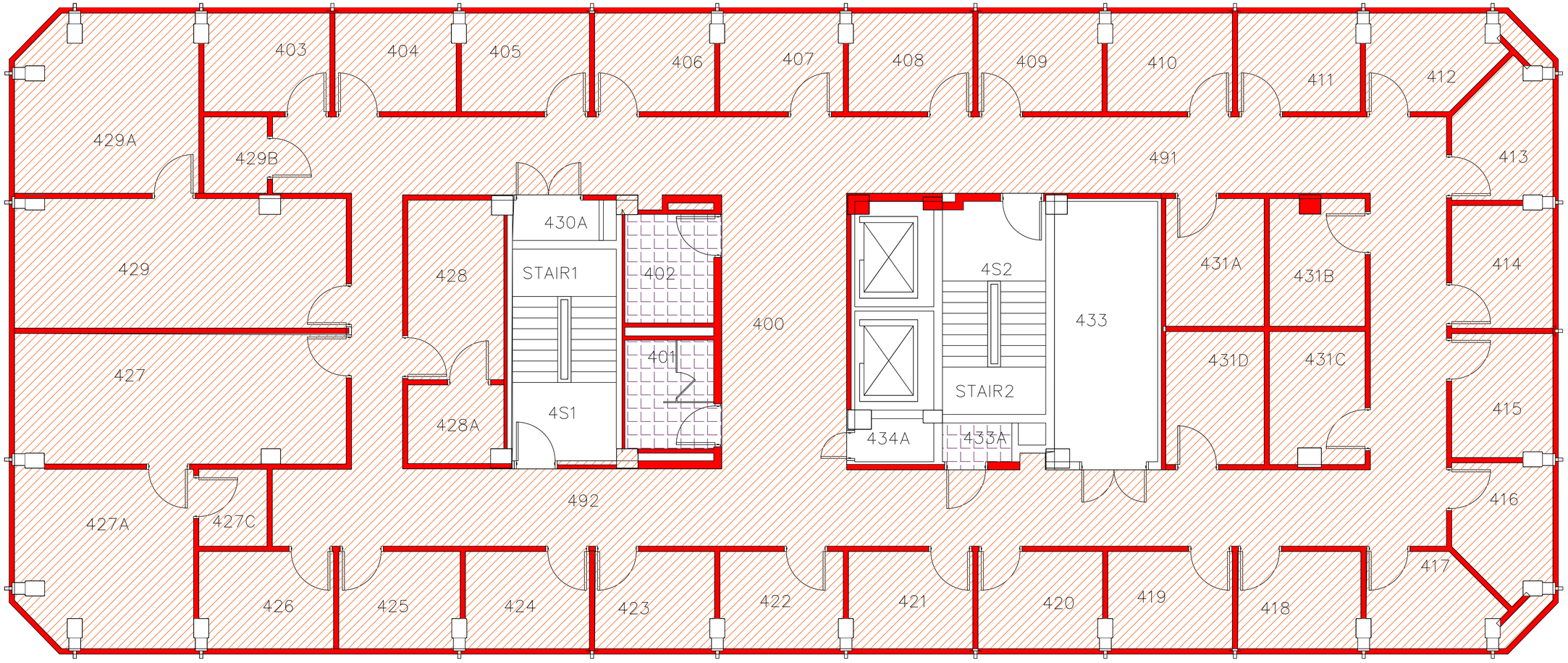

HAZMAT LEGEND

- POSITIVE SEALANT (CAULK)
- POSITIVE HEATED PRESSURE VESSEL (TANK)
- FD POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
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MACKLIN TOWER BUILDING - FOURTH FLOOR

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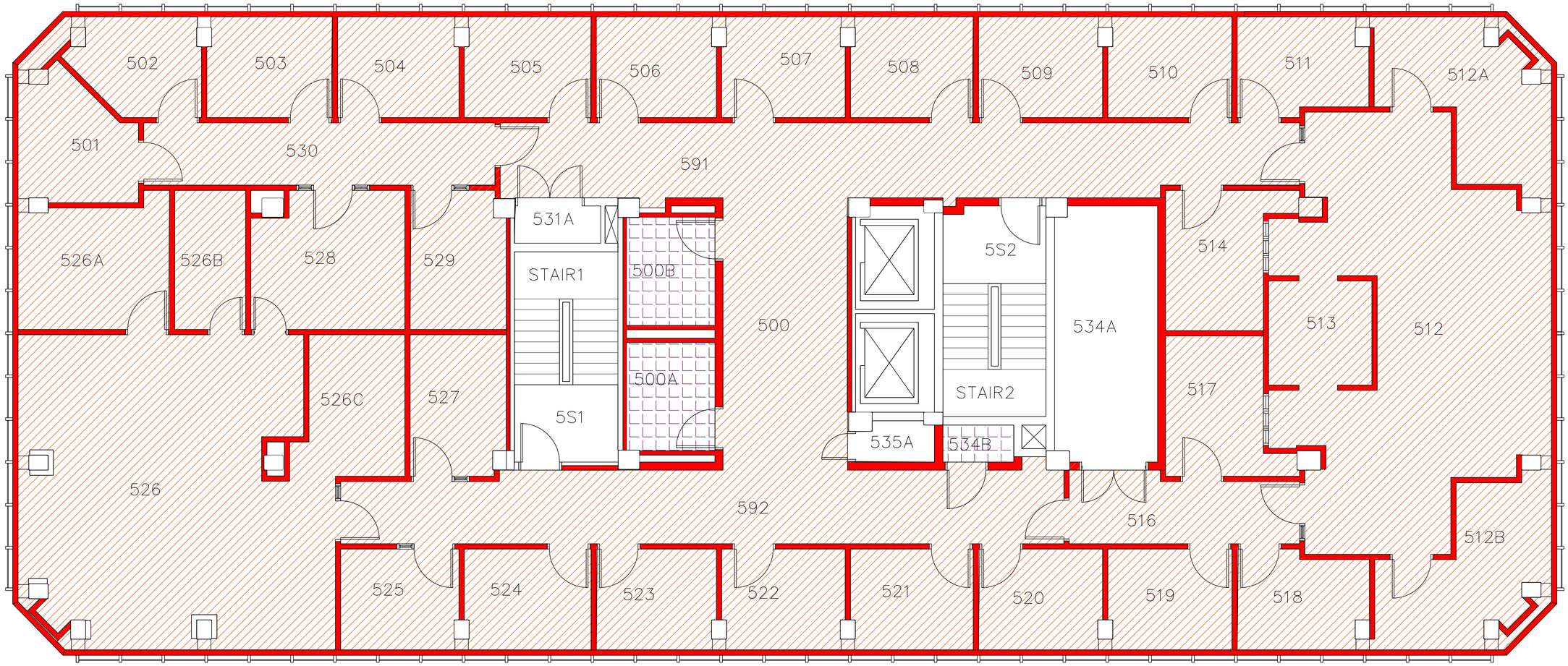

HAZMAT LEGEND

- POSITIVE SEALANT (CAULK)
- POSITIVE HEATED PRESSURE VESSEL (TANK)
- FD POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
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ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - FIFTH FLOOR

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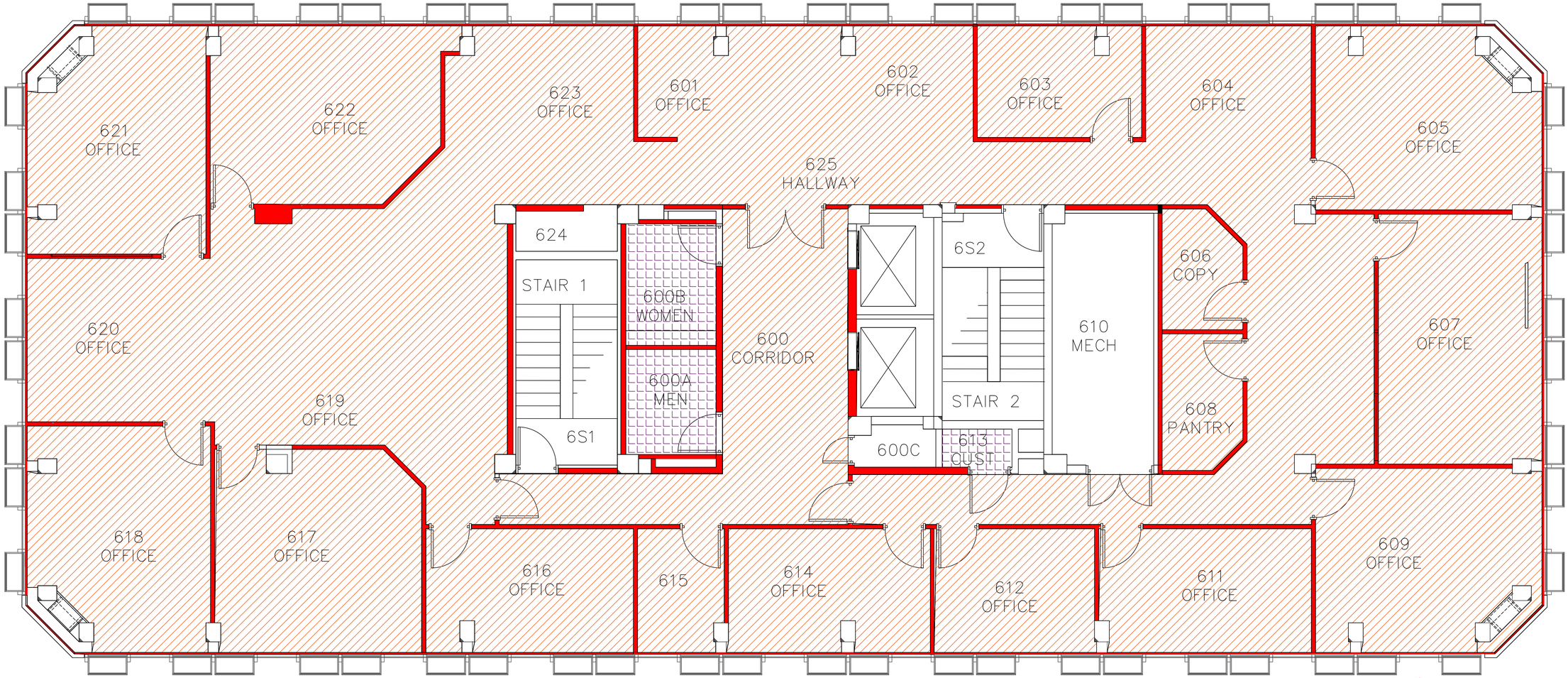

HAZMAT LEGEND

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- POSITIVE HEATED PRESSURE VESSEL (TANK)
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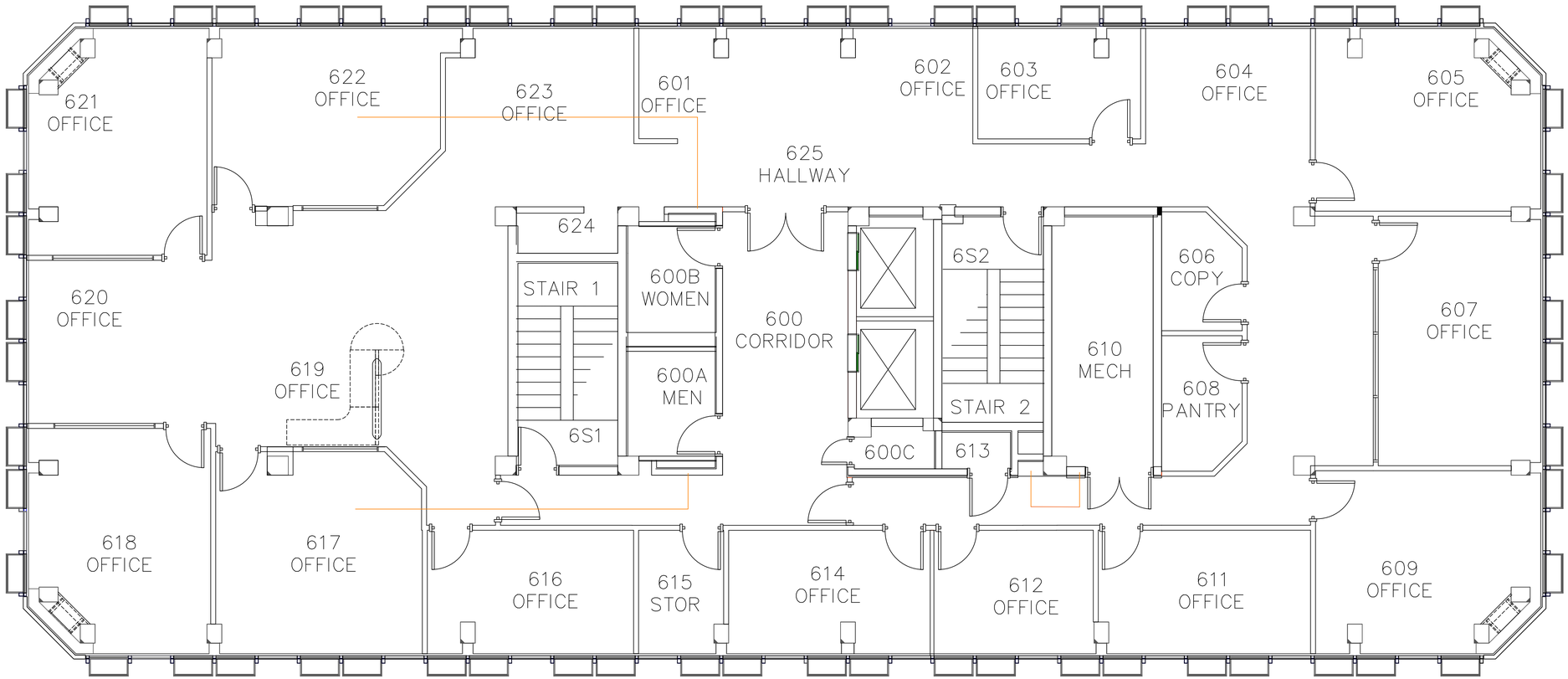
BOGGS ENVIRONMENTAL CONSULTANTS

ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - SIXTH FLOOR

2021 COLLEGEWIDE LIMITED ASBESTOS RE-SURVEY, FP21-023



HAZMAT LEGEND

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- POSITIVE HEATED PRESSURE VESSEL (TANK)
- FD POSITIVE FIRE RATED DOOR
- POSITIVE PIPE MUDDED JOINT
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ROCKVILLE CAMPUS

MACKLIN TOWER BUILDING - 6TH FLOOR - ABOVE 4 FT.

2021 COLLEGEWIDE LIMITED ASBESTOS RE-SURVEY, FP21-023

APPENDIX F

EUROFINS CEI ANALYTICAL RESULTS

&

CHAIN OF CUSTODY

eurofins | CEI

June 2, 2021

Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

CLIENT PROJECT: Montgomery College - Macklin Tower, MD20187
CEI LAB CODE: A216547

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 17, 2021. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

eurofins | CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Boggs Environmental Consultants

CLIENT PROJECT: Montgomery College - Macklin Tower, MD20187

LAB CODE: A216547

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/02/21

TOTAL SAMPLES ANALYZED: 154

SAMPLES >1% ASBESTOS: 48

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Montgomery College - Macklin Tower, MD20187

LAB CODE: A216547

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
MT-51021-1		A93145	White	Gypsum Board Sheeting/joint Compound	None Detected
MT-51021-2		A93146	White	Gypsum Board Sheeting	None Detected
MT-51021-3		A93147	White	Gypsum Board Sheeting	None Detected
MT-51021-4		A93148	White	Joint Finishing Compound	None Detected
MT-51021-5		A93149	White	Joint Finishing Compound	**Chrysotile 2%**
MT-51021-6		A93150	White	Joint Finishing Compound	None Detected
MT-51021-7		A93151	Black,Brown	Floor Tile Mastic	**Chrysotile 5%**
MT-51021-8		A93152	Black,Brown	Floor Tile Mastic	**Chrysotile 5%**
MT-51021-9		A93153	Black,Brown	Floor Tile Mastic	**Chrysotile 5%**
MT-51021-10		A93154	Yellow	Carpet Mastic	None Detected
MT-51021-11		A93155	Yellow	Carpet Mastic	None Detected
MT-51021-12		A93156	Yellow,Black	Carpet Mastic	**Chrysotile 2%**
MT-51021-13		A93157	White	Pinhole & Puncture Act	None Detected
MT-51021-14		A93158	White	Pinhole & Puncture Act	None Detected
MT-51021-15		A93159	White	Pinhole & Puncture Act	None Detected
MT-51021-16		A93160	White	Pinhole & Puncture Act	None Detected
MT-51021-17		A93161	White	Pinhole & Puncture Act	None Detected
MT-51021-18		A93162	White	Pinhole & Puncture Act	None Detected
MT-51021-19		A93163A	Tan	Vinyl Cove Base	None Detected
	Layer 1	A93163B	Tan	Mastic	None Detected
	Layer 2	A93163B	White	Mud	**Chrysotile 2%**
MT-51021-20		A93164A	Tan	Vinyl Cove Base	None Detected
		A93164B	Tan	Mastic	None Detected
MT-51021-21		A93165A	Tan	Vinyl Cove Base	None Detected
		A93165B	Tan	Mastic	None Detected
MT-51021-22		A93166	White	Textured Act	None Detected
MT-51021-23		A93167	White	Textured Act	None Detected
MT-51021-24		A93168	White	Textured Act	None Detected
MT-51021-25		A93169A	Dark Blue,Black	Vft	None Detected
		A93169B	Yellow,Black	Mastic	**Chrysotile 3%**

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Montgomery College - Macklin Tower, MD20187

LAB CODE: A216547

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
MT-51021-26		A93170A	Dark Blue,Black	Vft	None Detected
		A93170B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-27		A93171A	Dark Blue,Black	Vft	None Detected
		A93171B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-28		A93172A	Off-white,Black	Vft	None Detected
		A93172B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-29		A93173A	Off-white,Black	Vft	None Detected
		A93173B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-30		A93174A	Off-white,Black	Vft	None Detected
		A93174B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-31		A93175A	Brown,Black	Vft	None Detected
		A93175B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-32		A93176A	Brown,Black	Vft	None Detected
		A93176B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-33		A93177A	Brown,Black	Vft	None Detected
		A93177B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-34		A93178A	Pink, Multicolored	Vft	None Detected
		A93178B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-35		A93179A	Pink, Multicolored	Vft	None Detected
		A93179B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-36		A93180A	Pink, Multicolored	Vft	None Detected
		A93180B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-37		A93181	Brown	Metal Duct Seam Sealant	None Detected
MT-51021-38		A93182	Brown	Metal Duct Seam Sealant	None Detected
MT-51021-39		A93183	Brown	Metal Duct Seam Sealant	None Detected
MT-51021-40		A93184	White	Pipe Insulation Mastic	None Detected
MT-51021-41		A93185	White	Pipe Insulation Mastic	None Detected
MT-51021-42		A93186	White	Pipe Insulation Mastic	None Detected
MT-51021-43		A93187	Red	Fire Stop	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Montgomery College - Macklin Tower, MD20187

LAB CODE: A216547

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
MT-51021-44		A93188	Red	Fire Stop	None Detected
MT-51021-45		A93189	Red	Fire Stop	None Detected
MT-51021-46		A93190	Off-white	Pipe Wrap Mastic	Chrysotile 5%
MT-51021-47		A93191	Off-white	Pipe Wrap Mastic	Chrysotile 5%
MT-51021-48		A93192	Off-white	Pipe Wrap Mastic	Chrysotile 5%
MT-51021-49		A93193	Gray	Metal Duct Seam Sealant	None Detected
MT-51021-50		A93194	Gray	Metal Duct Seam Sealant	None Detected
MT-51021-51		A93195	Gray	Metal Duct Seam Sealant	None Detected
MT-51021-52		A93196A	Gray	Vinyl Cove Base	None Detected
		A93196B	Yellow	Mastic	None Detected
MT-51021-53		A93197A	Gray	Vinyl Cove Base	None Detected
		A93197B	Yellow	Mastic	None Detected
MT-51021-54		A93198A	Gray	Vinyl Cove Base	None Detected
		A93198B	Yellow	Mastic	None Detected
MT-51021-55		A93199A	Light Blue,Black	Vft	None Detected
		A93199B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-56		A93200A	Light Blue,Black	Vft	None Detected
		A93200B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-57		A93201A	Light Blue,Black	Vft	None Detected
		A93201B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-58		A93202A	Maroon	Vinyl Cove Base	None Detected
		A93202B	Tan	Mastic	None Detected
MT-51021-59		A93203A	Maroon	Vinyl Cove Base	None Detected
		A93203B	Tan	Mastic	None Detected
MT-51021-60		A93204A	Maroon	Vinyl Cove Base	None Detected
		A93204B	Tan	Mastic	None Detected
MT-51021-61		A93205	White	Small & Large Pinhole Act	None Detected
MT-51021-62		A93206	White	Small & Large Pinhole Act	None Detected
MT-51021-63		A93207	White	Small & Large Pinhole Act	None Detected
MT-51021-64		A93208A	Navy Blue,Light Blue	Vft	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Montgomery College - Macklin Tower, MD20187

LAB CODE: A216547

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
		A93208B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-65		A93209A	Navy Blue,Light Blue	Vft	None Detected
		A93209B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-66		A93210A	Navy Blue,Light Blue	Vft	None Detected
		A93210B	Yellow,Black	Mastic	Chrysotile 3%
MT-51021-67		A93211A	Navy Blue	Vinyl Cove Base	None Detected
		A93211B	Yellow	Mastic	None Detected
MT-51021-68		A93212A	Navy Blue	Vinyl Cove Base	None Detected
		A93212B	Yellow	Mastic	None Detected
MT-51021-69		A93213A	Navy Blue	Vinyl Cove Base	None Detected
		A93213B	Yellow	Mastic	None Detected
MT-51021-70		A93214A	Black	Vinyl Cove Base	None Detected
		A93214B	Yellow	Mastic	None Detected
MT-51021-71		A93215A	Black	Vinyl Cove Base	None Detected
		A93215B	Yellow	Mastic	None Detected
MT-51021-72		A93216A	Black	Vinyl Cove Base	None Detected
		A93216B	Yellow	Mastic	None Detected
MT-51021-73		A93217A	Light Blue,Blue	Vft	None Detected
		A93217B	Yellow	Mastic	None Detected
		A93217C	Tan	Vft	None Detected
		A93217D	Yellow	Mastic	None Detected
MT-51021-74		A93218A	Light Blue,Blue	Vft	None Detected
		A93218B	Yellow	Mastic	None Detected
MT-51021-75		A93219A	Light Blue,Blue	Vft	None Detected
		A93219B	Yellow	Mastic	None Detected
MT-51021-76		A93220A	Navy Blue	Vinyl Stair Tread	None Detected
		A93220B	Yellow	Mastic	None Detected
MT-51021-77		A93221A	Navy Blue	Vinyl Stair Tread	None Detected
		A93221B	Yellow	Mastic	None Detected
MT-51021-78		A93222A	Navy Blue	Vinyl Stair Tread	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Montgomery College - Macklin Tower, MD20187

LAB CODE: A216547

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
		A93222B	Yellow	Mastic	None Detected
MT-51021-79	Layer 1	A93223A	Yellow	Mastic	None Detected
	Layer 2	A93223A	Beige	Vft	None Detected
		A93223B	Black	Mastic	**Chrysotile 5%**
MT-51021-80	Layer 1	A93224A	Yellow	Mastic	None Detected
	Layer 2	A93224A	Beige	Vft	None Detected
		A93224B	Black	Mastic	**Chrysotile 5%**
MT-51021-81	Layer 1	A93225A	Yellow	Mastic	None Detected
	Layer 2	A93225A	Beige	Vft	None Detected
		A93225B	Black	Mastic	**Chrysotile 5%**
MT-51021-82		A93226	Off-white	Inset Pinhole & Fissure Act	None Detected
MT-51021-83		A93227	Off-white	Inset Pinhole & Fissure Act	None Detected
MT-51021-84		A93228	Off-white	Inset Pinhole & Fissure Act	None Detected
MT-51021-85		A93229	White	Pinhole & Fissure Act	None Detected
MT-51021-86		A93230	White	Pinhole & Fissure Act	None Detected
MT-51021-87		A93231	White	Pinhole & Fissure Act	None Detected
MT-51021-88		A93232	White	Duct Insulation Mastic	**Chrysotile 10%**
MT-51021-89		A93233	White	Duct Insulation Mastic	**Chrysotile 10%**
MT-51021-90		A93234	White	Duct Insulation Mastic	**Chrysotile 10%**
MT-51021-91		A93235A	Marble Pattern	Flooring	None Detected
		A93235B	Yellow	Mastic	None Detected
MT-51021-92		A93236A	Marble Pattern	Flooring	None Detected
		A93236B	Yellow	Mastic	None Detected
MT-51021-93		A93237A	Marble Pattern	Flooring	None Detected
		A93237B	Yellow	Mastic	None Detected
MT-51021-94	Layer 1	A93238	White	Finished Plaster Skim Coat	None Detected
	Layer 2	A93238	Gray	Finished Plaster Base Coat	None Detected
MT-51021-95	Layer 1	A93239	White	Finished Plaster Skim Coat	None Detected
	Layer 2	A93239	Gray	Finished Plaster Base Coat	None Detected
MT-51021-96	Layer 1	A93240	White	Finished Plaster Skim Coat	None Detected
	Layer 2	A93240	Gray	Finished Plaster Base Coat	None Detected

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Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
MT-51021-97	Layer 1	A93241	White	Finished Plaster Skim Coat	None Detected
	Layer 2	A93241	Gray	Finished Plaster Base Coat	None Detected
MT-51021-98	Layer 1	A93242	White	Finished Plaster Skim Coat	None Detected
	Layer 2	A93242	Gray	Finished Plaster Base Coat	None Detected
MT-51021-99		A93243A	Tan Brown, Green	Vft	None Detected
		A93243B	Yellow	Mastic	None Detected
MT-51021-100		A93244A	Tan Brown, Green	Vft	None Detected
		A93244B	Yellow	Mastic	None Detected
MT-51021-101		A93245A	Tan Brown, Green	Vft	None Detected
		A93245B	Yellow	Mastic	None Detected
MT-51021-102		A93246A	Tan,Brown	Vft	Chrysotile 10%
		A93246B	Black	Mastic	Chrysotile 5%
MT-51021-103		A93247A	Tan,Brown	Vft	Chrysotile 10%
		A93247B	Black	Mastic	Chrysotile 5%
MT-51021-104		A93248A	Tan,Brown	Vft	Chrysotile 10%
		A93248B	Black	Mastic	Chrysotile 5%
MT-51021-105		A93249A	Off-white,Tan	Vft	None Detected
		A93249B	Yellow,Black	Mastic	None Detected
MT-51021-106		A93250A	Off-white,Tan	Vft	None Detected
		A93250B	Yellow,Black	Mastic	None Detected
MT-51021-107		A93251A	Off-white,Tan	Vft	None Detected
		A93251B	Yellow,Black	Mastic	None Detected
MT-51021-108		A93252	White	Interior Duct Insulation	None Detected
MT-51021-109		A93253	White	Interior Duct Insulation	None Detected
MT-51021-110		A93254	White	Interior Duct Insulation	None Detected
MT-51021-111		A93255A	White,Black	Vft	None Detected
		A93255B	Yellow	Mastic	None Detected
MT-51021-112		A93256A	White,Black	Vft	None Detected
		A93256B	Yellow	Mastic	None Detected

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MT-51021-113		A93257A	White,Black	Vft	None Detected
		A93257B	Yellow	Mastic	None Detected
MT-51021-114		A93258A	Gray Orange, Black	Vft	None Detected
		A93258B	Yellow	Mastic	None Detected
MT-51021-115		A93259A	Gray Orange, Black	Vft	None Detected
		A93259B	Yellow	Mastic	None Detected
MT-51021-116		A93260A	Gray Orange, Black	Vft	None Detected
		A93260B	Yellow	Mastic	None Detected
MT-51021-117		A93261A	Gray	Vft	None Detected
		A93261B	Gray	Mastic	None Detected
MT-51021-118		A93262A	Gray	Vft	None Detected
		A93262B	Gray	Mastic	None Detected
MT-51021-119		A93263A	Gray	Vft	None Detected
		A93263B	Gray	Mastic	None Detected
MT-51021-120		A93264	Gray	Spray Applied Fireproofing	None Detected
MT-51021-121		A93265	Gray	Spray Applied Fireproofing	None Detected
MT-51021-122		A93266	Gray	Spray Applied Fireproofing	None Detected
MT-51021-123		A93267A	Dark Gray	Vinyl Cove Base	None Detected
		A93267B	Tan	Mastic	None Detected
MT-51021-124		A93268A	Dark Gray	Vinyl Cove Base	None Detected
		A93268B	Tan	Mastic	None Detected
MT-51021-125		A93269A	Dark Gray	Vinyl Cove Base	None Detected
		A93269B	Tan	Mastic	None Detected
MT-51021-126		A93270A	Brown	Vinyl Cove Base	None Detected
		A93270B	Tan	Mastic	None Detected
MT-51021-127		A93271A	Brown	Vinyl Cove Base	None Detected
		A93271B	Tan	Mastic	None Detected
MT-51021-128		A93272A	Brown	Vinyl Cove Base	None Detected
		A93272B	Tan	Mastic	None Detected

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MT-51021-129		A93273A	Gray Red,Black	Vft	None Detected
		A93273B	Clear	Mastic	None Detected
MT-51021-130		A93274A	Gray Red,Black	Vft	None Detected
		A93274B	Clear	Mastic	None Detected
MT-51021-131		A93275A	Gray Red,Black	Vft	None Detected
		A93275B	Clear	Mastic	None Detected
MT-51021-132		A93276A	Black	Vinyl Threshold Strip	None Detected
		A93276B	Black	Mastic	Chrysotile 2%
MT-51021-133		A93277	Black	Vinyl Threshold Strip	None Detected
MT-51021-134		A93278A	Black	Vinyl Threshold Strip	None Detected
		A93278B	Brown	Mastic	None Detected
MT-51021-135		A93279A	Orange	Vft	None Detected
		A93279B	Clear	Mastic	None Detected
MT-51021-136		A93280A	Orange	Vft	None Detected
		A93280B	Clear	Mastic	None Detected
MT-51021-137		A93281A	Marble Pattern	Vft	None Detected
		A93281B	Yellow	Mastic	None Detected
MT-51021-138		A93282A	Marble Pattern	Vft	None Detected
		A93282B	Yellow	Mastic	None Detected
MT-51021-139		A93283A	Yellow	Vft	None Detected
	Layer 1	A93283B	Yellow	Mastic	None Detected
	Layer 2	A93283B	Gray	Leveling Compound	None Detected
	Layer 3	A93283B	Black	Mastic	Chrysotile 5%
MT-51021-140		A93284A	Yellow	Vft	None Detected
	Layer 1	A93284B	Yellow	Mastic	None Detected
	Layer 2	A93284B	Gray	Leveling Compound	None Detected
	Layer 3	A93284B	Black	Mastic	Chrysotile 5%
MT-51021-141		A93285A	Purple,Orange	Vsg	None Detected
		A93285B	Black	Mastic	Chrysotile 3%
MT-51021-142		A93286A	Purple,Orange	Vsg	None Detected
		A93286B	Black	Mastic	Chrysotile 3%

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Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
MT-51021-143		A93287	Tan	Ceiling Insulation Pin Mastic	Chrysotile 5%
MT-51021-144		A93288	Tan	Ceiling Insulation Pin Mastic	Chrysotile 5%
MT-51021-145		A93289A	Pink,Black	Vft	None Detected
		A93289B	Black,Brown	Mastic	Chrysotile 5%
MT-51021-146		A93290A	Pink,Black	Vft	None Detected
		A93290B	Black,Brown	Mastic	Chrysotile 5%
MT-51021-147		A93291	Black	Tar Sealant	None Detected
MT-51021-148		A93292	Black	Tar Sealant	None Detected
MT-51021-149		A93293A	Black,White	Vft	None Detected
		A93293B	Yellow	Mastic	None Detected
MT-51021-150		A93294A	Black,White	Vft	None Detected
		A93294B	Yellow	Mastic	None Detected
MT-51021-151		A93295A	Red	Vft	None Detected
		A93295B	Yellow	Mastic	None Detected
MT-51021-152		A93296A	Red	Vft	None Detected
		A93296B	Yellow	Mastic	None Detected
MT-51021-153		A93297A	Wood Pattern	Vsg	None Detected
		A93297B	Gray	Mastic	None Detected
MT-51021-154		A93298A	Wood Pattern	Vsg	None Detected
		A93298B	Gray	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
MT-51021-1 A93145	Gypsum Board Sheeting/joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	73% 10% 2%	Gypsum Calc Carb Paint	None Detected
MT-51021-2 A93146	Gypsum Board Sheeting	Heterogeneous White Fibrous Bound	15%	Cellulose	83% 2%	Gypsum Paint	None Detected
MT-51021-3 A93147	Gypsum Board Sheeting	Heterogeneous White Fibrous Bound	15%	Cellulose	83% 2%	Gypsum Paint	None Detected
MT-51021-4 A93148	Joint Finishing Compound	Heterogeneous White Non-fibrous Bound			60% 35% 5%	Binder Calc Carb Paint	None Detected
MT-51021-5 A93149	Joint Finishing Compound	Heterogeneous White Non-fibrous Bound			58% 35% 5%	Binder Calc Carb Paint	**2% Chrysotile**
MT-51021-6 A93150	Joint Finishing Compound	Heterogeneous White Non-fibrous Bound			60% 35% 5%	Binder Calc Carb Paint	None Detected
MT-51021-7 A93151	Floor Tile Mastic	Homogeneous Black,Brown Non-fibrous Bound			95%	Mastic	**5% Chrysotile**

Lab Notes: Unable to separate mastics for analysis.

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ASBESTOS BULK PLM, EPA 600 METHOD

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MT-51021-8 A93152	Floor Tile Mastic	Homogeneous Black,Brown Non-fibrous Bound			95%	Mastic	**5% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.							
MT-51021-9 A93153	Floor Tile Mastic	Homogeneous Black,Brown Non-fibrous Bound			95%	Mastic	**5% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.							
MT-51021-10 A93154	Carpet Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Synthetic Fiber	100%	Mastic	None Detected
MT-51021-11 A93155	Carpet Mastic	Homogeneous Yellow Non-fibrous Bound	<1%	Synthetic Fiber	100%	Mastic	None Detected
MT-51021-12 A93156	Carpet Mastic	Homogeneous Yellow,Black Non-fibrous Bound	<1%	Synthetic Fiber	98%	Mastic	**2% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.							
MT-51021-13 A93157	Pinhole & Puncture Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-14 A93158	Pinhole & Puncture Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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MT-51021-15 A93159	Pinhole & Puncture Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-16 A93160	Pinhole & Puncture Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-17 A93161	Pinhole & Puncture Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-18 A93162	Pinhole & Puncture Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-19 A93163A	Vinyl Cove Base	Homogeneous Tan Non-fibrous Tightly Bound			100%	Vinyl	None Detected
Layer 1 A93163B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
Layer 2 A93163B	Mud	Homogeneous White Non-fibrous Bound			58% 40%	Binder Calc Carb	**2% Chrysotile**

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
MT-51021-20 A93164A	Vinyl Cove Base	Homogeneous Tan Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93164B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
MT-51021-21 A93165A	Vinyl Cove Base	Homogeneous Tan Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93165B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
MT-51021-22 A93166	Textured Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-23 A93167	Textured Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-24 A93168	Textured Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
MT-51021-25 A93169A	Vft	Homogeneous Dark Blue,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93169B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.					
MT-51021-26 A93170A	Vft	Homogeneous Dark Blue,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93170B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.					
MT-51021-27 A93171A	Vft	Homogeneous Dark Blue,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93171B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.					
MT-51021-28 A93172A	Vft	Homogeneous Off-white,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected

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A93172B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-29 A93173A	Vft	Homogeneous Off-white,Black Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93173B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-30 A93174A	Vft	Homogeneous Off-white,Black Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93174B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-31 A93175A	Vft	Homogeneous Brown,Black Non-fibrous Tightly Bound		100%	Vinyl	None Detected

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A93175B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-32 A93176A	Vft	Homogeneous Brown,Black Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93176B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-33 A93177A	Vft	Homogeneous Brown,Black Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93177B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-34 A93178A	Vft	Homogeneous Pink,Multicolored Non-fibrous Tightly Bound		100%	Vinyl	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous		ASBESTOS %
A93178B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-35 A93179A	Vft	Homogeneous Pink,Multicolored Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93179B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-36 A93180A	Vft	Homogeneous Pink,Multicolored Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93180B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-37 A93181	Metal Duct Seam Sealant	Homogeneous Brown Non-fibrous Bound		100%	Binder	None Detected
MT-51021-38 A93182	Metal Duct Seam Sealant	Homogeneous Brown Non-fibrous Bound		100%	Binder	None Detected

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MT-51021-39 A93183	Metal Duct Seam Sealant	Homogeneous Brown Non-fibrous Bound			100%	Binder	None Detected
MT-51021-40 A93184	Pipe Insulation Mastic	Homogeneous White Non-fibrous Bound	2%	Fiberglass	98%	Mastic	None Detected
MT-51021-41 A93185	Pipe Insulation Mastic	Homogeneous White Non-fibrous Bound	2%	Fiberglass	98%	Mastic	None Detected
MT-51021-42 A93186	Pipe Insulation Mastic	Homogeneous White Non-fibrous Bound	2%	Fiberglass	98%	Mastic	None Detected
MT-51021-43 A93187	Fire Stop	Homogeneous Red Fibrous Bound	10%	Fiberglass	90%	Caulk	None Detected
MT-51021-44 A93188	Fire Stop	Homogeneous Red Fibrous Bound	10%	Fiberglass	90%	Caulk	None Detected
MT-51021-45 A93189	Fire Stop	Homogeneous Red Fibrous Bound	10%	Fiberglass	90%	Caulk	None Detected

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200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
MT-51021-46 A93190	Pipe Wrap Mastic	Homogeneous Off-white Non-fibrous Bound	2%	Talc	93%	Mastic	**5% Chrysotile**
MT-51021-47 A93191	Pipe Wrap Mastic	Homogeneous Off-white Non-fibrous Bound	2%	Talc	93%	Mastic	**5% Chrysotile**
MT-51021-48 A93192	Pipe Wrap Mastic	Homogeneous Off-white Non-fibrous Bound	2%	Talc	93%	Mastic	**5% Chrysotile**
MT-51021-49 A93193	Metal Duct Seam Sealant	Homogeneous Gray Non-fibrous Bound	<1%	Synthetic Fiber	100%	Binder	None Detected
MT-51021-50 A93194	Metal Duct Seam Sealant	Homogeneous Gray Non-fibrous Bound	<1%	Synthetic Fiber	100%	Binder	None Detected
MT-51021-51 A93195	Metal Duct Seam Sealant	Homogeneous Gray Non-fibrous Bound	<1%	Synthetic Fiber	100%	Binder	None Detected
MT-51021-52 A93196A	Vinyl Cove Base	Homogeneous Gray Non-fibrous Tightly Bound			100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A93196B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-53 A93197A	Vinyl Cove Base	Homogeneous Gray Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93197B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-54 A93198A	Vinyl Cove Base	Homogeneous Gray Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93198B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-55 A93199A	Vft	Homogeneous Light Blue,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93199B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	97%	Mastic	**3% Chrysotile**

Lab Notes: Unable to separate mastics for analysis.

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ASBESTOS BULK PLM, EPA 600 METHOD

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MT-51021-56 A93200A	Vft	Homogeneous Light Blue,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93200B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.					
MT-51021-57 A93201A	Vft	Homogeneous Light Blue,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93201B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.					
MT-51021-58 A93202A	Vinyl Cove Base	Homogeneous Maroon Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93202B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-59 A93203A	Vinyl Cove Base	Homogeneous Maroon Non-fibrous Tightly Bound	100%	Vinyl	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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A93203B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
MT-51021-60 A93204A	Vinyl Cove Base	Homogeneous Maroon Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93204B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
MT-51021-61 A93205	Small & Large Pinhole Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-62 A93206	Small & Large Pinhole Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-63 A93207	Small & Large Pinhole Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-64 A93208A	Vft	Homogeneous Navy Blue,Light Blue Non-fibrous Tightly Bound			100%	Vinyl	None Detected

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A93208B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-65 A93209A	Vft	Homogeneous Navy Blue,Light Blue Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93209B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-66 A93210A	Vft	Homogeneous Navy Blue,Light Blue Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93210B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound		97%	Mastic	**3% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021-67 A93211A	Vinyl Cove Base	Homogeneous Navy Blue Non-fibrous Tightly Bound		100%	Vinyl	None Detected

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A93211B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-68 A93212A	Vinyl Cove Base	Homogeneous Navy Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93212B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-69 A93213A	Vinyl Cove Base	Homogeneous Navy Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93213B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-70 A93214A	Vinyl Cove Base	Homogeneous Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93214B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected

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MT-51021-71 A93215A	Vinyl Cove Base	Homogeneous Black Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93215B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
MT-51021-72 A93216A	Vinyl Cove Base	Homogeneous Black Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93216B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
MT-51021-73 A93217A	Vft	Homogeneous Light Blue,Blue Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93217B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
A93217C	Vft	Homogeneous Tan Non-fibrous Tightly Bound		100% Vinyl	None Detected

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A93217D	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-74 A93218A	Vft	Homogeneous Light Blue,Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93218B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-75 A93219A	Vft	Homogeneous Light Blue,Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93219B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021-76 A93220A	Vinyl Stair Tread	Homogeneous Navy Blue Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93220B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected

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MT-51021-77 A93221A	Vinyl Stair Tread	Homogeneous Navy Blue Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93221B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
MT-51021-78 A93222A	Vinyl Stair Tread	Homogeneous Navy Blue Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93222B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
MT-51021-79 Layer 1 A93223A	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
Layer 2 A93223A	Vft	Homogeneous Beige Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93223B	Mastic	Homogeneous Black Non-fibrous Bound		95%	Mastic	**5% Chrysotile**

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
MT-51021-80 Layer 1 A93224A	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A93224A	Vft	Homogeneous Beige Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93224B	Mastic	Homogeneous Black Non-fibrous Bound			95%	Mastic	**5% Chrysotile**
MT-51021-81 Layer 1 A93225A	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A93225A	Vft	Homogeneous Beige Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93225B	Mastic	Homogeneous Black Non-fibrous Bound			95%	Mastic	**5% Chrysotile**
MT-51021-82 A93226	Inset Pinhole & Fissure Act	Heterogeneous Off-white Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected

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MT-51021-83 A93227	Inset Pinhole & Fissure Act	Heterogeneous Off-white Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-84 A93228	Inset Pinhole & Fissure Act	Heterogeneous Off-white Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-85 A93229	Pinhole & Fissure Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-86 A93230	Pinhole & Fissure Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-87 A93231	Pinhole & Fissure Act	Heterogeneous White Fibrous Loosely Bound	40% 25%	Cellulose Fiberglass	30% 5%	Perlite Binder	None Detected
MT-51021-88 A93232	Duct Insulation Mastic	Homogeneous White Non-fibrous Bound			90%	Mastic	**10% Chrysotile**
MT-51021-89 A93233	Duct Insulation Mastic	Homogeneous White Non-fibrous Bound			90%	Mastic	**10% Chrysotile**

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ASBESTOS BULK PLM, EPA 600 METHOD

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MT-51021-90 A93234	Duct Insulation Mastic	Homogeneous White Non-fibrous Bound		90%	Mastic	**10% Chrysotile**
MT-51021-91 A93235A	Flooring	Homogeneous Marble Pattern Non-fibrous Tightly Bound		70% 30%	Silicates Binder	None Detected
A93235B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
MT-51021-92 A93236A	Flooring	Homogeneous Marble Pattern Non-fibrous Tightly Bound		70% 30%	Silicates Binder	None Detected
A93236B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
MT-51021-93 A93237A	Flooring	Homogeneous Marble Pattern Non-fibrous Tightly Bound		70% 30%	Silicates Binder	None Detected
A93237B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected

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MT-51021-94 Layer 1 A93238	Finished Plaster Skim Coat	Homogeneous White Non-fibrous Bound		80% 20%	Binder Calc Carb	None Detected
Layer 2 A93238	Finished Plaster Base Coat	Homogeneous Gray Non-fibrous Bound		75% 25%	Silicates Binder	None Detected
MT-51021-95 Layer 1 A93239	Finished Plaster Skim Coat	Homogeneous White Non-fibrous Bound		80% 20%	Binder Calc Carb	None Detected
Layer 2 A93239	Finished Plaster Base Coat	Homogeneous Gray Non-fibrous Bound		75% 25%	Silicates Binder	None Detected
MT-51021-96 Layer 1 A93240	Finished Plaster Skim Coat	Homogeneous White Non-fibrous Bound		80% 20%	Binder Calc Carb	None Detected
Layer 2 A93240	Finished Plaster Base Coat	Homogeneous Gray Non-fibrous Bound		75% 25%	Silicates Binder	None Detected
MT-51021-97 Layer 1 A93241	Finished Plaster Skim Coat	Homogeneous White Non-fibrous Bound		80% 20%	Binder Calc Carb	None Detected

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Layer 2 A93241	Finished Plaster Base Coat	Homogeneous Gray Non-fibrous Bound		75% 25%	Silicates Binder	None Detected
MT-51021-98 Layer 1 A93242	Finished Plaster Skim Coat	Homogeneous White Non-fibrous Bound		80% 20%	Binder Calc Carb	None Detected
Layer 2 A93242	Finished Plaster Base Coat	Homogeneous Gray Non-fibrous Bound		75% 25%	Silicates Binder	None Detected
MT-51021-99 A93243A	Vft	Homogeneous Tan Brown, Green Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93243B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
MT-51021 -100 A93244A	Vft	Homogeneous Tan Brown, Green Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93244B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected

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MT-51021 -101 A93245A	Vft	Homogeneous Tan Brown, Green Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93245B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
MT-51021 -102 A93246A	Vft	Homogeneous Tan,Brown Non-fibrous Tightly Bound		90%	Vinyl	**10% Chrysotile**
A93246B	Mastic	Homogeneous Black Non-fibrous Bound		95%	Mastic	**5% Chrysotile**
MT-51021 -103 A93247A	Vft	Homogeneous Tan,Brown Non-fibrous Tightly Bound		90%	Vinyl	**10% Chrysotile**
A93247B	Mastic	Homogeneous Black Non-fibrous Bound		95%	Mastic	**5% Chrysotile**
MT-51021 -104 A93248A	Vft	Homogeneous Tan,Brown Non-fibrous Tightly Bound		90%	Vinyl	**10% Chrysotile**

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A93248B	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	**5% Chrysotile**
MT-51021 -105 A93249A	Vft	Homogeneous Off-white,Tan Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93249B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: Unable to separate mastics for analysis.					
MT-51021 -106 A93250A	Vft	Homogeneous Off-white,Tan Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93250B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: Unable to separate mastics for analysis.					
MT-51021 -107 A93251A	Vft	Homogeneous Off-white,Tan Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93251B	Mastic	Homogeneous Yellow,Black Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: Unable to separate mastics for analysis.					

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MT-51021 -108 A93252	Interior Duct Insulation	Homogeneous White Non-fibrous Tightly Bound	80%	Fiberglass	20%	Binder	None Detected
MT-51021 -109 A93253	Interior Duct Insulation	Homogeneous White Non-fibrous Tightly Bound	80%	Fiberglass	20%	Binder	None Detected
MT-51021 -110 A93254	Interior Duct Insulation	Homogeneous White Non-fibrous Tightly Bound	80%	Fiberglass	20%	Binder	None Detected
MT-51021 -111 A93255A	Vft	Homogeneous White,Black Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93255B	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
MT-51021 -112 A93256A	Vft	Homogeneous White,Black Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93256B	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

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MT-51021 -113 A93257A	Vft	Homogeneous White,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93257B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 -114 A93258A	Vft	Homogeneous Gray Orange, Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93258B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 -115 A93259A	Vft	Homogeneous Gray Orange, Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93259B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 -116 A93260A	Vft	Homogeneous Gray Orange, Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected

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Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A93260B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 **-117** A93261A	Vft	Homogeneous Gray Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93261B	Mastic	Homogeneous Gray Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 **-118** A93262A	Vft	Homogeneous Gray Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93262B	Mastic	Homogeneous Gray Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 **-119** A93263A	Vft	Homogeneous Gray Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93263B	Mastic	Homogeneous Gray Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
MT-51021 -120 A93264	Spray Applied Fireproofing	Homogeneous Gray Fibrous Loose	100%	Mineral Wool			None Detected
MT-51021 -121 A93265	Spray Applied Fireproofing	Homogeneous Gray Fibrous Loose	100%	Mineral Wool			None Detected
MT-51021 -122 A93266	Spray Applied Fireproofing	Homogeneous Gray Fibrous Loose	100%	Mineral Wool			None Detected
MT-51021 -123 A93267A	Vinyl Cove Base	Homogeneous Dark Gray Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93267B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
MT-51021 -124 A93268A	Vinyl Cove Base	Homogeneous Dark Gray Non-fibrous Tightly Bound			100%	Vinyl	None Detected
A93268B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
MT-51021 -125 A93269A	Vinyl Cove Base	Homogeneous Dark Gray Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93269B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -126 A93270A	Vinyl Cove Base	Homogeneous Brown Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93270B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -127 A93271A	Vinyl Cove Base	Homogeneous Brown Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93271B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -128 A93272A	Vinyl Cove Base	Homogeneous Brown Non-fibrous Tightly Bound		100% Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A93272B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 **-129** A93273A	Vft	Homogeneous Gray Red,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93273B	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 **-130** A93274A	Vft	Homogeneous Gray Red,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93274B	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 **-131** A93275A	Vft	Homogeneous Gray Red,Black Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93275B	Mastic	Homogeneous Clear Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
MT-51021 -132 A93276A	Vinyl Threshold Strip	Homogeneous Black Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93276B	Mastic	Homogeneous Black Non-fibrous Bound		98% Mastic	**2% Chrysotile**
MT-51021 -133 A93277	Vinyl Threshold Strip	Homogeneous Black Non-fibrous Tightly Bound		100% Vinyl	None Detected
Lab Notes: No mastic present.					
MT-51021 -134 A93278A	Vinyl Threshold Strip	Homogeneous Black Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93278B	Mastic	Homogeneous Brown Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -135 A93279A	Vft	Homogeneous Orange Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93279B	Mastic	Homogeneous Clear Non-fibrous Bound		100% Mastic	None Detected

ASBESTOS BULK ANALYSIS

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200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
MT-51021 -136 A93280A	Vft	Homogeneous Orange Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93280B	Mastic	Homogeneous Clear Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -137 A93281A	Vft	Homogeneous Marble Pattern Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93281B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -138 A93282A	Vft	Homogeneous Marble Pattern Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93282B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -139 A93283A	Vft	Homogeneous Yellow Non-fibrous Tightly Bound		100% Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous		ASBESTOS %
Layer 1 A93283B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
Layer 2 A93283B	Leveling Compound	Homogeneous Gray Non-fibrous Bound		100%	Binder	None Detected
Layer 3 A93283B	Mastic	Homogeneous Black Non-fibrous Bound		95%	Mastic	**5% Chrysotile**
MT-51021 -140 A93284A	Vft	Homogeneous Yellow Non-fibrous Tightly Bound		100%	Vinyl	None Detected
Layer 1 A93284B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected
Layer 2 A93284B	Leveling Compound	Homogeneous Gray Non-fibrous Bound		100%	Binder	None Detected
Layer 3 A93284B	Mastic	Homogeneous Black Non-fibrous Bound		95%	Mastic	**5% Chrysotile**

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
MT-51021 -141 A93285A	Vsg	Homogeneous Purple,Orange Non-fibrous Tightly Bound	50%	Cellulose	50%	Vinyl	None Detected
A93285B	Mastic	Homogeneous Black Non-fibrous Bound			97%	Mastic	**3% Chrysotile**
MT-51021 -142 A93286A	Vsg	Homogeneous Purple,Orange Non-fibrous Tightly Bound	50%	Cellulose	50%	Vinyl	None Detected
A93286B	Mastic	Homogeneous Black Non-fibrous Bound			97%	Mastic	**3% Chrysotile**
MT-51021 -143 A93287	Ceiling Insulation Pin Mastic	Homogeneous Tan Non-fibrous Bound			95%	Mastic	**5% Chrysotile**
MT-51021 -144 A93288	Ceiling Insulation Pin Mastic	Homogeneous Tan Non-fibrous Bound			95%	Mastic	**5% Chrysotile**
MT-51021 -145 A93289A	Vft	Homogeneous Pink,Black Non-fibrous Tightly Bound			100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

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200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous		ASBESTOS %
A93289B	Mastic	Homogeneous Black,Brown Non-fibrous Bound		95%	Mastic	**5% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021 -146 A93290A	Vft	Homogeneous Pink,Black Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93290B	Mastic	Homogeneous Black,Brown Non-fibrous Bound		95%	Mastic	**5% Chrysotile**
Lab Notes: Unable to separate mastics for analysis.						
MT-51021 -147 A93291	Tar Sealant	Homogeneous Black Non-fibrous Bound		100%	Tar	None Detected
MT-51021 -148 A93292	Tar Sealant	Homogeneous Black Non-fibrous Bound		100%	Tar	None Detected
MT-51021 -149 A93293A	Vft	Homogeneous Black,White Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A93293B	Mastic	Homogeneous Yellow Non-fibrous Bound		100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
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Date Analyzed: 06-02-21
Date Reported: 06-02-21

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
MT-51021 -150 A93294A	Vft	Homogeneous Black,White Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93294B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -151 A93295A	Vft	Homogeneous Red Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93295B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -152 A93296A	Vft	Homogeneous Red Non-fibrous Tightly Bound		100% Vinyl	None Detected
A93296B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
MT-51021 -153 A93297A	Vsg	Homogeneous Wood Pattern Non-fibrous Tightly Bound		100% Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Boggs Environmental Consultants
200 West Main St.
Middletown, MD 21769

Lab Code: A216547
Date Received: 05-17-21
Date Analyzed: 06-02-21
Date Reported: 06-02-21

Project: Montgomery College - Macklin Tower, MD20187

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A93297B	Mastic	Homogeneous Gray Non-fibrous Bound	100%	Mastic	None Detected
MT-51021 **-154** A93298A	Vsg	Homogeneous Wood Pattern Non-fibrous Tightly Bound	100%	Vinyl	None Detected
A93298B	Mastic	Homogeneous Gray Non-fibrous Bound	100%	Mastic	None Detected

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LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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Information provided by customer includes customer sample ID and sample description.

ANALYST: Ryan Steele

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

154

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CHAIN OF CUSTODY

LAB USE ONLY:	
CEI Lab Code:	A216547
CEI Lab I.D. Range:	A93145-A93298

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #: 30189	Job Contact: Derrick Klein
Company: Boggs Environmental Consultants Inc.	Email / Tel: dklein@boggsenvironmental.com / 509-205-8863
Address: 200 West Main Street,	Project Name: Montgomery College - Macklin Tower
Middletown, Maryland 21769	Project ID#: MD20187
Email: rrobinson@boggsenvironmental.com	PO #:
Tel: 301-694-5687 Fax: 301-694-9799	STATE SAMPLES COLLECTED IN: Maryland

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☐	☐	☑
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05 (2010)	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITTATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:
See Attached BEC Logsheet
2 Bags of samples

☑ Accept Samples BB
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
D. M	5/14/21 1700	J.C	05/17 9:30

Samples will be disposed of 30 days after analysis

BOGGS ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10/2021

Staff: Derrick Klein

Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 1 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-51021-1	1	Room 625: Hallway	Gypsum Board Sheeting		✓
-2	1	Room 303L: Conference	⊥		✓
-3	1	Room 112: Library	⊥		✓
-4	2	Room 625: Hallway	Joint Finishing Compound		✓
-5	2	Room 303L: Conference	⊥		✓
-6	2	Room 112: Library	⊥		✓
-7	3	Room 400: Corridor	Black Floor Tile Mastic		✓
-8	3	Room 492: North Corridor	⊥		✓
-9	3	Room 109: Lounge	⊥		✓
-10	4	Room 303L: Conference	Yellow Carpet Mastic		✓
-11	4	Room 212: Office	⊥		✓
-12	4	Room 304: Library	⊥		✓
-13	5	Room 427: Office	2' x 4' White Pinhole + Puncture ACT	✓	
-14	5	Room 218B: Office	⊥	✓	
-15	5	Room 301: Library	⊥	✓	
-16	6	Room 606: Copy/Fax	2' x 2' White Pinhole + Puncture ACT	✓	
-17	6	Room 400: Elevator Lobby	⊥	✓	
-18	6	Room 500: Elevator Lobby	⊥	✓	
-19	7	Room 607: Conference	Tan Vinyl Cove Base w/Mastic		✓
-20	7	Room 423: Office	⊥		✓

BOGGS ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10/2021

Staff: Derrick Klein

Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 2 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-51021-21	7	Room 218H: Office	Tan Vinyl Cove Base w/Mastic		✓
-22	8	Room 607: Conference	2'x2' White Textured ACT	✓	
-23	8	Room 600: Corridor	⊥	✓	
-24	8	Room 212: Office	⊥	✓	
-25	9	Room 606: Copy / Fax	12"x12" Dark Blue w/Black Spots VFT + Mastic		✓
-26	9	Room 615: Storage	⊥		✓
-27	9	Room 608: Pantry	⊥		✓
-28	10	Room 600: Corridor	12"x12" Off-White w/Black Spots VFT + Mastic		✓
-29	10	Room 600: Corridor	⊥		✓
-30	10	Room 600: Corridor	⊥		✓
-31	11	Room 600: Corridor	12"x12" Brown w/Black Spots VFT + Mastic		✓
-32	11	Room 600: Corridor	⊥		✓
-33	11	Room 600: Corridor	⊥		✓
-34	12	Room 591: South Corridor	12"x12" Pink w/Multicolored Spots VFT + Mastic		✓
-35	12	Room 592: North Corridor	⊥		✓
-36	12	Room 400: Elevator Lobby	⊥		✓
-37	13	Room 610: Mech	Brown Metal Duct Seam Sealant		✓
-38	13	Room 433: Mech/IT	⊥		✓
-39	13	Room 301B: Mech	⊥		✓
-40	14	Room 610: Mech	White Pipe Insulation Mastic		✓

BOGGS ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10/2021

Staff: Derrick Klein

Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 3 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-51021-41	14	Room 534A: Mech	White Pipe Insulation Mastic		✓
-42	14	Room 433: IT/Mech	⊥		✓
-43	15	Room 610: Mech	Red Fire Stop		✓
-44	15	Room 534A: Mech	⊥		✓
-45	15	Room 433: IT/Mech	⊥		✓
-46	16	Room 622: Office	Off-White Pipe Wrap Mastic		✓
-47	16	Room 625: Hallway	⊥		✓
-48	16	Room 625: Hallway	⊥		✓
-49	17	Room 610: Mech	Gray Metal Duct Seam Sealant		✓
-50	17	Room 433: IT/Mech	⊥		✓
-51	17	Room 209C: Mech	⊥		✓
-52	18	Room 2C1: Corridor	Gray Vinyl Cove Base w/Mastic		✓
-53	18	Room 2C2: Elevator Lobby	⊥		✓
-54	18	Room 2C3: Corridor	⊥		✓
-55	19	Room 2C1: Corridor	12"x12" Light Blue w/Black Spots VFT + Mastic		✓
-56	19	Room 2C2: Elevator Lobby	⊥		✓
-57	19	Room 2C3: Corridor	⊥		✓
-58	20	Room 2C3: Corridor	Maroon Vinyl Cove Base w/Mastic		✓
-59	20	Room 212: Office	⊥		✓
-60	20	Room 213: Conference	⊥		✓

BOGGS ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10/2021

Staff: Derrick Klein

Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 4 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-51021-61	21	Room 212B: Office	2'x4' White Small + Large Pinhole ACT	✓	
-62	21	Room 212D: Office	↓	✓	
-63	21	Room 213: Conference	↓	✓	
-64	22	Room 307: Lounge	12"x12" Navy Blue w/ Light Blue Specks VFT + Mastic		✓
-65	22	Room 307: Lounge	↓		✓
-66	22	Room 307: Lounge	↓		✓
-67	23	Room 307: Lounge	Navy Blue Vinyl Cove Base w/ Mastic		✓
-68	23	Room 307: Lounge	↓		✓
-69	23	Room 307: Lounge	↓		✓
-70	24	Room 301: Library	Black Vinyl Cove Base w/ Mastic		✓
-71	24	Room 203: Library	↓		✓
-72	24	Room 116: Library	↓		✓
-73	25	Room 301: Library	12"x12" Light Blue w/ Blue Specks VFT + Mastic		✓
-74	25	Room 2SE: Stair 5	↓		✓
-75	25	Room 1SE: Stair 5	↓		✓
-76	26	Room 3SE: Stair 5	Navy Blue Vinyl Stair Tread w/ Mastic		✓
-77	26	Room 2SE: Stair 5	↓		✓
-78	26	Room 1SE: Stair 5	↓		✓
-79	27	Room 303K: Copy/Print	Beige VFT w/ Mastic (sublayer)		✓
-80	27	Room 303L: Conference	↓		✓

BOGGS ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10 /2021

Staff: Derrick Klein

Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 5 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-51021-81	27	Room 303M: Workstation	Beige VFT w/ Mastic (subkyer)		✓
-82	28	Room 306: Library	2'x2' Off-White Inset Pinhole + Fissure ACT	✓	
-83	28	Room 202: Library	↓	✓	
-84	28	Room 112: Library	↓	✓	
-85	29	Room 301: Library	2'x2' White Pinhole + Fissure ACT	✓	
-86	29	Room 202: Library	↓	✓	
-87	29	Room 112: Library	↓	✓	
-88	30	Room 301: Library	White Duct Insulation Mastic		✓
-89	30	Room 304: Library	↓		✓
-90	30	Room 305: Library	↓		✓
-91	31	Room 305 Library	12"x12" Marble Pattern Flooring		✓
-92	31	Room 305: Library	↓		✓
-93	31	Room 305: Library	↓		✓
-94	32	Room 305: Library	Finished Plaster		✓
-95	32	Room 203: Library	↓		✓
-96	32	Room 113 Library	↓		✓
-97	32	Room 116: Library	↓		✓
-98	32	Room 020: Writing Center	↓		✓
-99	33	Room 112: Library	12"x12" Tan w/ Brown + Green Specks VFT + Mastic		✓
-100	33	Room 112: Library	↓		✓

BOGGS ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10/2021

Staff: Derrick Klein

Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 6 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-510321-101	33	Room 110: Library Service	12"x12" Tan w/Brown + Green Specks VFT + Mastic		✓
-102	34	Room 109: Lounge	12"x12" Tan w/Brown Specks VFT + Mastic		✓
-103	34	Room 109: Lounge	↓		✓
-104	34	Room 109: Lounge	↓		✓
-105	35	Room 020: Writing Center	12"x12" Off-White w/Tan Specks VFT + Mastic		✓
-106	35	Room 020: Writing Center	↓		✓
-107	35	Room 020: Writing Center	↓		✓
-108	36	Room 304B: Mechanical	White Interior Duct Insulation		✓
-109	36	Room 202A: Mechanical	↓		✓
-110	36	Room 112B: Mechanical	↓		✓
-111	37	Room 303F: IT Closet	12"x12" White w/Black Specks VFT + Mastic		✓
-112	37	Room 303F: IT Closet	↓		✓
-113	37	Room 004: IT Closet	↓		✓
-114	38	Room 001: Lounge/Vend	12"x12" Gray/Orange w/Black Spots VFT + Mastic		✓
-115	38	Room 001: Lounge/Vend	↓		✓
-116	38	Room 001: Lounge/Vend	↓		✓
-117	39	Room 095: Corridor	18"x18" Gray VFT + Mastic		✓
-118	39	Room 008: Storage	↓		✓
-119	39	Room 092: Vestibule	↓		✓
-120	40	Room 024A: Studio	Gray Spray Applied Fireproofing	✓	

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ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10 /2021

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Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 7 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-51021-121	40	Room 024A : Studio	Gray Spray Applied Fireproofing	✓	
-122	40	Room 024A : Studio	⊥	✓	
-123	41	Room 095: Corridor	Dark Gray Vinyl Cove Base w/Mastic		✓
-124	41	Room 017: Conference	⊥		✓
-125	41	Room 092: Vestibule	⊥		✓
-126	42	Room 090: Corridor	Brown Vinyl Cove Base w/ Mastic		✓
-127	42	Room 090: Corridor	⊥		✓
-128	42	Room 001: Lange/Vend	⊥		✓
-129	43	Room 090: Corridor	18" x 18" Gray/Red w/Black Spots VFT + Mastic		✓
-130	43	Room 090: Corridor	⊥		✓
-131	43	Room 090: Corridor	⊥		✓
-132	44	Room 600: Corridor	Black Vinyl Threshold Strip		✓
-133	44	Room 303Q: Corridor	⊥		✓
-134	44	Room 001: Lange/Vend	⊥		✓
-135	45	Room 190: Corridor	18" x 18 Orange VFT + Mastic		✓
-136	45	Room 190: Corridor			✓
-137	46	Room 190: Corridor	18" x 18 Marble Pattern VFT + Mastic		✓
-138	46	Room 190: Corridor	⊥		✓
-139	47	Room 1E 1: Elevator 1	Yellow Textured VFT + Mastic		✓
-140	47	Room 1E 2: Elevator 2	⊥		✓

BOGGS ENVIRONMENTAL CONSULTANTS

ASBESTOS INSPECTION BULK SAMPLING LOGSHEET

Date: 5/10/2021

Staff: Derrick Klein

Project #: MD20187

Project Location: Montgomery College - Macklin Tower
51 Mannakee Street, Rockville, Maryland 20850

Page: 8 of 8

Sample #	Ha #	Sample Location	Material Identification: Color/Description	Friable/ Nonfriable: CHECK F	CHECK NF
MT-51021-141	48	Room 2C3 Corridor	Purple + Orange VSG + Mastic		✓
-142	48	Room 2C3: Corridor	⊥		✓
-143	49	Room B2: Electrical	Tan Ceiling Insulation Pin Mastic		✓
-144	49	Room B1: Mechanical	⊥		✓
-145	50	Room 214: Elite Training	12"x12" Pink w/Black Spots VFT + Mastic		✓
-146	50	Room 214: Elite Training	⊥		✓
-147	51	Room 610: Mechanical	Black Tar Sealant		✓
-148	51	Room 304B: Mechanical	⊥		✓
-149	52	Room 212G: Office	12" x12" Black w/White Spots VFT + Mastic		✓
-150	52	Room 212G: Office	⊥		✓
-151	53	Room 2E3: Elevator 3	Red Textured VFT + Mastic		✓
-152	53	Room 2E3: Elevator 3	⊥		✓
-153	54	Room 015: Break Room	Wood Pattern VSG + Mastic		✓
-154	54	Room 015: Break Room	⊥		✓

APPENDIX G

STAFF QUALIFICATIONS

This Appendix is intentionally omitted.

RFP No.: 625-004

Construction Manager at Risk
for the
Macklin Tower (MT) Library Renovation
Rockville Campus

Montgomery College
Maryland

Date: September 3, 2024
Montgomery College
9221 Corporate Boulevard
Rockville, Maryland 20850

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Office of Procurement
9221 Corporate Boulevard
Rockville, Maryland 20850

REQUEST FOR PROPOSAL (RFP)
RFP NO.: 625-004

CONSTRUCTION MANAGER AT RISK FOR THE MLACKLIN TOWER (MT) LIBRARY RENOVATION ROCKVILLE CAMPUS

It is the intent of this Request for Proposals (RFP) to provide Montgomery College with **Construction Manager at Risk for the Macklin Tower (MT) library Renovation on the Rockville Campus.**

The RFP will be conducted through multi-step process, which includes technical proposal, interview and price proposal. Interested Offerors are required to submit and deliver the technical proposals to the College Procurement Office by **2:00 PM local time on September 24, 2024.** The College evaluation committee will evaluate the technical proposals according to the criteria specified in the RFP. At the conclusion of technical proposal evaluation, up to five (5) Offerors rated the highest scores on their technical proposals will be invited to an interview and submission a price proposal.

Proposals will not be accepted via facsimile or electronic mail.

Prices must remain firm for 90 Days after proposal closing date, but prior to contract award.

Proposal Bond Requirements:	5% Bid Bond required for the shortlisted Offerors who are invited for the interview and the submission of Price Proposals.
Performance, Labor and Material Bonds requirements:	100% Performance and Labor and Material Payment Bonds.
Pre-Proposal Conference:	**11:00 am, Monday, September 9, 2024,** Lecture Hall 301 of Science Center West (SW) on the Rockville Campus, 51 Mannakee Street, Rockville, Maryland 20850. Attendance by all interested Offerors is not mandatory but strongly encouraged. A mandatory site visit opportunity will be provided following the Pre-Proposal Meeting.

Insurance certificate and other required documents after the contract award, and prior to start of any work.

The project is partially funded by the State of Maryland and is subject to State of Maryland Prevailing Wage law.

Minority firms are encouraged to respond to this solicitation.

IMPORTANT: YOUR PROPOSAL WILL BE JEOPARDIZED IF ANY PORTION OF THIS INQUIRY IS NOT COMPLETE. NO PROPOSAL WILL BE ACCEPTED AFTER THE DATE AND TIME STATED ABOVE.

Patrick Johnson

Patrick L. Johnson, MBA, CPPB
Director of Procurement

NOTE: Prospective Offerors who have received this document from a source other than the Procurement Office should immediately contact the Procurement Office and provide their name and e-mail address so that amendments to the Bid/RFP or other communications can be sent to them. Failure to contact the Procurement Office may result in non-receipt of important information.

REGISTRATION OF CORPORATIONS NOT REGISTERED IN THE STATE OF MARYLAND *Pursuant to 7-202 et. Seq. of the Corporation and Associations Article of the Annotated Code of Maryland, corporations not incorporated in the State of Maryland shall be registered with the State Department of Assessments and Taxation, 301 West Preston Street, Baltimore, Maryland 21201 before doing any interstate or foreign business in this State.* ***Corporations must be registered, and in good standing no later than proposal submittal deadline date.*** *A copy of the registration or application for registration may be requested by the College.*

MONTGOMERY COLLEGE ▪ OFFICE OF PROCUREMENT
RFP NO.: 625-004
CONSTRUCTION MANAGER AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION
ROCKVILLE CAMPUS
RFP CLOSING DATE/TIME: SEPTEMBER 23, 2024 AT 2:00 PM

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MONTGOMERY COLLEGE ▪ OFFICE OF PROCUREMENT
RFP NO.: 625-004
CONSTRUCTION MANAGER AT RISK FOR THE MACKLIN TOWER LIBRARY RENOVATION
ROCKVILLE CAMPUS
RFP CLOSING DATE/TIME: SEPTEMBER 24, 2022 AT 2:00 PM

SECTION 1 – INSTRUCTION TO OFFERORS

1.1 INTENT

It is the intent of this Request for Proposal to select a qualified Construction Manager at Risk (CM at Risk) to work collaboratively with Montgomery College and the A/E team to plan and manage the construction of the Macklin Tower (MT) Library Renovation on the Rockville campus. Work must be performed in accordance with the terms, conditions, and Scope of Services described herein. In the event that a supplementary condition is contradictory to a general condition, the supplementary condition shall prevail. The construction budget is approximately $17,000,000 for this project.

This project involves a complete interior renovation and reconfiguration of the Macklin Tower Library, which occupies the first three floors of the six-story Macklin Tower Building on the College's Rockville Campus. The renovation area encompasses 31,069 NASF/62,282 GSF. The floor plan will be reconfigured to better meet the modern needs of the Library, offering various new study environments tailored to diverse learning styles, including collaboration spaces, quiet zones, private group study rooms, and classrooms.

The project also includes the modernization and upgrading of building systems and equipment on all three floors. Currently, the space is not equipped with sprinklers; this renovation will add sprinklers to each floor, utilizing existing risers and branch valves. The existing main air handling units (AHUs) on each floor, which are currently sourced by chilled water/hot water, will be entirely removed and replaced with a single CW/HW AHU on the roof, with new ductwork servicing each floor. This may require structural work on the third-story flat roof to support the new AHU. New Variable Air Volume (VAV) terminals, along with new hot water piping and ductwork, will also be installed on each floor. The central core stairwell will be renovated to enhance openness and sightlines on each floor, and existing bathrooms will be replaced and potentially relocated.

The project will also include installation of new telecommunications, audio visual technology, access control, security, lighting, and building automation control systems to better serve the College's modern needs.

Concurrent with the construction activities for the library renovation, there will also be other construction projects taking place in the same building. CM at Risk will have to collaborate and coordinate with construction activities by others.

The College has contracted Hord Coplan Macht, Inc. to design the project. The schematic design has been completed and is included in Appendix C of this RFP.

Montgomery College will be hereinafter referred to as the "College" or "MC". Respondents to the RFP will be referred to as "Offerors" and "Proposers". The Offeror to whom the contract is awarded will be referred to as the "Contractor" or "CM at Risk".

1.2 REQUEST FOR PROPOSAL AND CONTRACT AWARD SCHEDULE

It is the College's intent to administer the RFP process for this Project according to the schedule outlined below. The College reserves the right to alter the schedule as determined to be in the College's best

interests. It is the Offeror's sole responsibility to ensure their proposal response accommodates this requirement.

9/3/2024	Advertised on eMaryland Marketplace and RFP Documents available on the College Procurement website
9/9/2024	Pre-Proposal conference at 11:00 am
9/16/2024	Last day to submit requests for information by 5:00 pm
9/24/2024	Submission of **Technical Proposal (Part A)** due at 2:00 pm
9/25/2024-10/1/2024	Evaluation of Technical Proposals by the College Evaluation Committee
10/2/2024	Notice of Technical Proposal Evaluation Results sent to Offerors
10/3-10/4/2024	Interviews
10/15/2024	Submission of Price Proposals due at 2:00 p.m.
10/22/2024	Evaluation of price proposals concluded and highest ranked Offeror identified
11/11/2024	Recommendation for Contract Award submitted to the College's Board of Trustees for approval

It is the College's intent to seek approval of an award of contract for Pre-Construction Services by the Board of Trustees at its meeting on **November 11, 2024**. Following award, the College will issue a Notice to Proceed for Preconstruction activities to the contract awardee.

Montgomery College has established a target construction mobilization date of September 1, 2025, substantial completion date of October 30, 2026 and final completion date of November 30, 2026 for this project. Time is of the essence. The Construction Manager at Risk will use these milestone dates when preparing the estimated lump sum General Conditions estimate.

1.3 PRE-PROPOSAL CONFERENCE AND SITE EXAMINATION

A Pre-Proposal Conference will be held at **11:00 am on Monday, September 9, 2024, in Lecture Hall 301 of Science Center West (SW), on the Rockville Campus,** located at 51 Mannakee Street, Rockville, Maryland 20850. Attendance by all interested Offerors strongly encouraged, but is not required. **A site inspection opportunity will be provided immediately following the Pre-Proposal Conference.** For any other site visit, interested Offerors shall contact Brian Benhaim, Senior Project Manager to schedule the visit, via email at Brian.Benhaim@montgomerycollege.edu to allow the appropriate personnel at the campus to be notified. **Directions to the Pre-Proposal Conference and site inspection can be found in Appendix A.**

Offerors are advised to examine and investigate existing site conditions prior to submitting a proposal. Contractors should note that the site is not available for visiting at any time that the College is closed. It is each Offeror's responsibility to become familiar with all information necessary to prepare a proposal. Failure to do so will not relieve the successful Offeror of the obligation to carry out the provisions of the contract. Data in the RFP documents pertaining to existing conditions and site locations is for convenience only to inform Offerors of the existing building conditions.

SECTION 1 – INSTRUCTION TO OFFERORS

1.4 RFP DOCUMENTS

An electronic copy of RFP documents in PDF format can be downloaded from the College Procurement website at http://www.montgomerycollege.edu/procure at no charge. Montgomery College is not responsible for content of and/or information obtained from sources not listed in the RFP. Only information obtained through the College's Procurement Office, on its website or from sources listed in the RFP should be considered reliable. It is highly recommended that Offerors obtain all information pertaining to this RFP from the College's Procurement website and those sources referred to in the RFP document. It is the Offeror's responsibility to assure that accurate information has been used in preparation of their proposal response.

Design construction documents are in progress and are in the design development stage.

1.5 PROPOSAL SUBMITTAL DUE DATE

Technical proposal submission must be delivered and received by the College Office of Procurement **at the following address by 2:00 p.m. on September 24, 2024.** See **Section 2** for full detailed submission instructions.

Office of Procurement
Montgomery College
9221 Corporate Boulevard
Rockville, Maryland 20850

The proposal must be signed by an individual who has full authority from the Offeror to enter into a binding agreement on behalf of the Offeror so that a contract may be established as a result of acceptance of the proposal submitted. By reference, the terms, conditions, and specifications set forth in the RFP shall serve as the contract terms, conditions, and specifications. No other terms and conditions will apply unless submitted as a part of the proposal response and accepted by the College.

In the event that the College is closed on the RFP closing date due to unforeseen circumstances, the RFP will be closed at the stated time on the next open business day, unless the Offeror is notified otherwise.

1.6 CONTACT INFORMATION

Offerors shall carefully examine the RFP and related documents. Should discrepancies, omissions or doubts to the content or meaning of any aspect of this solicitation document are discovered, Offerors should direct inquiries or requests for clarification of the RFP documents in writing to designated College staff.

For purchasing questions about this solicitation, please contact Yu (Judy) Zhu, Procurement and Contracts Manager, via email at yu.zhu@montgomerycollege.edu. All inquiries and questions must be submitted in writing and received by **5:00 p.m. on September 16, 2024**.

The College may designate one or more of its employees as liaison to interested firms at its discretion. This designation may be made after the proposal submission deadline. Communication between the firm

and the College would then be made through the designated liaison after that point, as determined by the College.

Under no circumstances are perspective Offerors, including third party firms or their staffs, to contact other College staff, faculty or any related constituency, including the architecture and engineering firms, for purposes associated with the RFP, including but not limited to, obtaining or providing information unless specifically noted in the Scope of the Project. **Offerors failing to comply with this requirement may be disqualified.**

1.7 ADDENDA

The College will issue an addendum or addenda to all prospective Offerors known to have received the RFP documents, if it deems appropriate and necessary to do so. Only answers provided via an addendum issued by the Procurement Office will be binding. However, Offerors bear sole responsibility for downloading all addenda, if any, for this RFP from the College Procurement website at http://www.montgomerycollege.edu/procure/, and it is the responsibility of the Offeror to check this site for any addenda before submitting a proposal. Acknowledgement of the receipt of all addenda must accompany the Offeror's proposal, and all addenda shall become part of the RFP documents. Failure to acknowledge receipt does not relieve the Offeror from complying with all terms of any such addenda.

The College reserves the right to waive any proposal technicalities, formalities or informalities at any time prior to or after the date of receipt of Proposals, as it deems appropriate and, in the College's, best interest. The submission of a proposal will indicate that the firm thoroughly understands the terms of the RFP.

1.8 PROPOSAL SUBMISSION

The selection procedure for this procurement requires an independent evaluation of the technical proposal, interview and the price proposal. This separation allows for evaluation of technical proposals on their technical merit only. A maximum of five (5) firms will be short-listed by the technical evaluation committee and will be asked to participate in the interview process and prepare a price proposal submission. The final due date for the price proposals will be set after the selection of the short-listed firms, but is tentatively set for **October 15, 2024.**

Offerors must submit **one (1) original hard copy of Technical Proposal including all Attachments,** with original ink signatures; **plus, one electronic version of complete Technical Proposal submission saved as one PDF file on a clearly marked USB flash drive.**

Shortlisted Offerors must submit **one (1) original hard copy of Price Proposal, including all Attachments,** with original ink signatures; **plus, one electronic version of complete Price Proposal submission** saved as one PDF file on a clearly marked USB flash drive.

It is the responsibility of the Offerors to make sure that electronic version of Technical Proposal submission and Price Proposal submission shall be identical to the original hard copies. The submission containing "originals" should be clearly marked.

MONTGOMERY COLLEGE ▪ OFFICE OF PROCUREMENT
RFP NO.: 625-004
CONSTRUCTION MANAGER AT RISK FOR THE MACKLIN TOWER LIBRARY RENOVATION
ROCKVILLE CAMPUS
RFP CLOSING DATE/TIME: SEPTEMBER 24, 2022 AT 2:00 PM

SECTION 1 – INSTRUCTION TO OFFERORS

Submitted proposal responses, will not be returned to the Offerors. Proposals must include all required information. All proposal packages submitted in response to this RFP shall be certified, signed, and dated by a bona-fide agent of the Offeror, and include minority classification, if applicable. Offerors must copy the package sample label below and paste it on the outside of the proposal package:

PROPOSAL ENVELOPE/BOX LABELS

PART A- TECHNICAL PROPOSAL

RFP No.:	**625-004**
Proposal Due Date:	**September 24, 2024**
Proposal Due Time:	**2:00 PM**
Offeror's Name:	_____
Offeror's Address:	_____
	_____
Project Title:	**Construction Manager at Risk** **Macklin Tower (MT) Library Renovation** **Rockville Campus**

PART B- PRICE PROPOSAL

RFP No.:	**625-004**
Proposal Due Date:	**October 15, 2024**
Proposal Due Time:	**2:00 PM**
Offeror's Name:	_____
Offeror's Address:	_____
	_____
Project Title:	**Construction Manager at Risk** **Macklin Tower (MT) Library Renovation** **Rockville Campus**

Any proposal received after the time and date specified, or at a different location other than specified above, will not be opened or given any consideration.

It is mandatory that the RFP package label, as shown above, is used or this exact information is provided on the outside of each sealed proposal package. Failure to do so may cause the proposal to be rejected.

Oral, emailed or faxed proposals are invalid and will not be accepted or considered.

All costs incurred by responding firms associated with the preparation, submission, presentation or proposals and attendance at meetings, including but not limited to, costs related to transportation, meals, lodging, bonding, and other related expenses, if applicable, will be the sole responsibility of the respondent and will not under any circumstances by reimbursed by the College.

SECTION 1 – INSTRUCTION TO OFFERORS

1.9 MARYLAND PUBLIC INFORMATION ACT

As a public entity, the College is subject to the disclosure requirements in the Maryland Public Information Act, Title 10 of the State Government Article of the Annotated Code of Maryland. Information that is deemed to be confidential commercial or financial information, as defined by the Maryland Public Information Act may be exempted from disclosure. Offerors must clearly identify each part of the Offer that it believes contains confidential commercial or financial information by stamping the top right-hand corner of each pertinent page with large red bold letters stating the words "confidential" or "proprietary". Offeror agrees that upon request from the College, it will provide justification as to why any material, in whole or in part, should be considered confidential, proprietary information or trade secrets and provide any justification of why such materials should not be disclosed pursuant to a request under the Maryland Public Information Act. The College, by law must apply the MPIA requirements for public information disclosure deemed proprietary and/or confidential; therefore, even the information marked as such by the Offeror may still require public disclosure.

1.10 EVIDENCE OF RESPONSIBILITY

Prior to the award of a contract pursuant to this RFP, the College may require Offeror to submit such additional information bearing upon Offeror's ability to perform the Contract as the College deems appropriate. The College may also consider any information otherwise available concerning the financial, technical, and other qualifications or abilities of the Offeror. Quality of performance may also be determined through contracts or services provided to the College or to other entities. Quality of performance to other entities will be determined from reference checks when references are required. The determination of quality performance includes the Offeror's history of reasonable and cooperative behavior and commitment to customer satisfaction and the Offeror's businesslike concern for the interests of the customer. The College reserves the right to reject any proposal deemed not responsible or non-responsive.

1.11 AWARD

Award will be recommended in the best interest of the College to the most responsive and responsible qualified Offeror with the highest combined scores of Technical Proposal, Interview and Price Proposal evaluation, who can meet or exceed the terms, conditions, and specifications of this solicitation, including project delivery requirements, and subject to availability of funding. The College reserves the right to request a final and best Offer.

The award of contract shall be subject to the successful negotiation of any contract terms and conditions and the proper execution of all contract documents.

The accepted Offeror's response, the specifications, terms and exhibits of this RFP, and any other applicable documentation relating to this proposal will be incorporated into the contract.

The College Board of Trustees reserves the right to waive any informalities in the selection and award process relating to this proposal.

In the College's sole discretion, the College may defer award of the contract for a period of up to ninety (90) calendar days after opening of proposals. If no award or other disposition is made, the expiration

of the ninety (90) calendar days will constitute rejection of all offers without further action by the College.

1.12 PRICING

Pricing must be submitted on the Price Proposal Form with all blanks filled out and shall be a firm fixed price for Phase 1 Preconstruction Services and fixed price with cost adjustment for Construction Phase 2. CM at Risk Fee and must include all charges and costs (including shipping) incurred in the delivery of this procurement. No allowance will be made at a later date for additional charges due to the Offeror's omission. In addition, all Offerors must hold their proposed prices for ninety (90) days after the price submittal date, but prior to contract award date.

1.13 REJECTION

The College reserves the right to reject any or all offers received in response to this solicitation and re-advertise for other proposals. The College may also reject offers for any of the following reasons:

a. Failure to meet the mandatory specifications and requirements;
b. Failure to respond in a timely fashion to a request for additional information or data;
a. Failure to supply appropriate and favorable client references;
b. Financial instability of firm submitting the proposal;
c. Failure of the firm to successfully negotiate a contract, if applicable;
d. Submitting an incomplete price proposal page;
e. Submitting a proposal that is not signed; or
f. Failure to demonstrate that the Offeror is qualified to carry out the obligations of the contract and to implement and support the work specified herein.
g. Failure to registered with the Maryland Dept. of Assessments and Taxation, and not in "good standing" on or before the proposal submittal deadline date

1.14 CONTRACT

The successful Offeror(s) shall enter into a Montgomery College contract per the terms of this RFP, and as modified or supplemented by the College's General Conditions of the Contract and Supplementary Conditions for Construction Manager at Risk Contract included in this RFP. If there is any conflict between the terms and conditions of the Montgomery College contract and this RFP document, the terms and conditions of this RFP shall take precedence. The Construction Manager at Risk executing the contract with the College shall be liable and responsible for all aspects of construction.

All applicable Federal laws, State laws, County, local, and municipal ordinances, by-laws, and the orders, rules and regulations of all authorities having jurisdiction over this project shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though written out in full.

1.15 CHANGES TO THE CONTRACT

The College may make any alterations, deviations, additions, or omissions from the Request for Proposals documents that it deems to be in the best interest of the College without affecting the obligations of the Construction Manager at Risk or making void the contract. Any alterations, deviations,

additions, or omissions shall be processed per the RFP documents.

1.16 DELIVERY

The successful Offeror shall deliver all of the required submittals within **ten (10) days** of the Notice to Award and commence Work according to the approved project schedule unless otherwise ordered in writing by the College.

1.17 INSURANCE REQUIREMENTS

The Construction Manager at Risk shall maintain in force at all times during the term of the contract, such insurance that will indemnify and hold harmless the College from Worker's Compensation and Public Liability claims for property damage and personal injury, including death, which may arise from the Construction Manager's At-Risk operations under the contract, or by anyone directly or indirectly employed by the Construction Manager at Risk. The CM at Risk's insurance will be with an insurance carrier licensed to do business in the State of Maryland acceptable to the College, with the following minimum insurance coverage:

As specified in the Montgomery College General Conditions of the Contract

At the time this contract is made, the Construction Manager at Risk shall provide the College with evidence of payment in full of the above insurance coverage throughout the entire term of this contract. Any request for extension of time for this contract shall also include evidence of payment in full of the above insurance coverage through the entire term of the extension of term for this contract.

The Construction Manager at Risk shall furnish the College with a certificate of insurance as evidence of the required coverage. Such insurance shall specifically identify the materials and equipment, and shall name the College as an additional insured.

In the event that the Construction Manager's At-Risk insurance is terminated, the Construction Manager at Risk shall immediately obtain other coverage; any lack of insurance shall be grounds for immediate termination of the contract.

1.18 CONFIDENTIALITY OF DATA

All financial, statistical, personal, technical and other data and information which are designated confidential by the College and not otherwise subject to disclosure, and made available to the Construction Manager at Risk in order to carry out this Contract, or which become available to the Construction Manager at Risk in carrying out this Contract, shall be protected by the Construction Manager at Risk using the same level of care in preventing unauthorized disclosure or use of the confidential information that the Construction Manager at Risk takes to protect its own information of a similar nature, but in no event, less than reasonable care. The Construction Manager at Risk shall not be required under the provision of this clause to keep confidential any data or information that is or becomes publicly available, is already rightfully in the Construction Manager's At-Risk possession, is independently developed by the Construction Manager at Risk outside the scope of this Contract, or is rightfully obtained from third parties.

SECTION 1 – INSTRUCTION TO OFFERORS

1.19 MINORITY BUSINESS ENTERPRISE (MBE) PARTICIPATION

Pursuant to Board Resolution #87-83, adopted on July 20, 1987, it is the policy of Montgomery College to encourage minority businesses to provide goods and services for the performance of College projects. Minority businesses are defined as firms that are 51% owned and controlled by a member of a socially or economically disadvantaged minority group, which includes African Americans, Hispanics, Native Americans, Alaskan Natives, Asians, Pacific Islanders, women, and the mentally or physically disabled.

All Offerors must fill out College's Minority Participation Form and include in the Price Proposal submission. The successful Contractor is encouraged to achieve a minimum MBE participation goal of 15% of the total contract value to subcontractors and/or vendors, inclusive of CM at Risk fees.

In addition, within three business days upon request by the College, the successful Offeror shall provide a list indicating minority subcontractor and/or vendor participation anticipated for the project, and provide the College with routine updates, should any changes in subcontractor or vendor status occur during the contract term.

1.20 SUBCONTRACTORS

The College seeks proposals from Contractors performing all requested services and will enter into an agreement only with the selected Offeror. **No portion of the work shall be subcontracted without the prior written consent of the College throughout the terms of the contract.** In the event the Contractor desires to subcontract part of the services specified herein, the Contractor shall furnish the company or individual name(s), contact name, mailing and e-mail addresses, qualifications, and experience of the proposed subcontractor(s), as well as a description of the services to be performed by the subcontractor. The primary Contractor shall remain fully liable for the work performed by the subcontractor(s) and shall assure compliance with all requirements of the contract if approved by the College. The College reserves the right to reject any proposed subcontractor in its own best interest.

1.21 PROCUREMENT REGULATIONS

This Request for Proposals and any resulting contract shall be governed by Montgomery College Board of Trustee's Procurement Policy and Procedure, and all applicable Federal laws, State laws, County, local, and municipal ordinances, by-laws, and the orders, rules and regulations of all authorities having jurisdiction over this project shall apply to the Contract throughout.

1.22 MISSION, VISION, AND VALUES

Montgomery College believes that a key characteristic of performance excellence is a strong foundation and understanding of an organization's mission, vision and value statements. The College's statements are as follows:

Mission: We empower our students to change their lives, and we enrich the life of our community. We are accountable for our results.

Vision: With a sense of urgency for the future, Montgomery College will be a national model of educational excellence, opportunity, and student success. Our organization will be characterized by agility and relevance as it meets the dynamic challenges facing our students and community.

SECTION 1 – INSTRUCTION TO OFFERORS

Values: EXCELLENCE * INTEGRITY * INNOVATION * DIVERSITY * STEWARDSHIP * SUSTAINABILITY

Montgomery College has grown into an institution where radical inclusion—that is, deeply rooted values of welcoming all individuals who seek higher education or continuing education—is an essential element of our identity. By intentionally cultivating our campuses as places where equal opportunity flourishes, we have advanced our own educational mission, contributed to the aspirations of Montgomery County, and added to the vision of our nation.

The College expects all parties who contract with the College support the College's mission, vision, and values by fostering these concepts in their work on the campus.

1.23 TOBACCO AND E-CIGARETTE POLICY

Montgomery College is a tobacco-free institution. The use of tobacco and e-cigarette products is prohibited in all indoor and outdoor College-owned property and facilities, including all buildings, and building entrances; walkways; recreational and athletic areas; parking lots; bus stops/shelters; College owned or leased vehicles; and facilities leased and controlled by the College as well as at meetings or conferences sponsored by the College, regardless of the location. This use prohibition extends to the Contractor's employees, agents, subcontractors, and vendors.

1.24 EMPLOYMENT OF SEX OFFENDERS

The State of Maryland requires certain sex offenders to register with the State and with the local law enforcement agency in the county in which they will reside, work, or attend school. Montgomery College is also subject to a number of Federal laws requiring disclosure of registered sex offenders enrolled or employed at institutions of higher education. Additionally, the College provides a number of programs during the year on the three campuses which involve minor children, including the Child Care Center and summer youth programs. As a result, if a sex offender, as determined by the definitions contained in the Criminal Law Article of the Annotated Code of Maryland, is employed by the awarded Construction Manager at Risk, the awarded Construction Manager at Risk is prohibited from assigning that employee to perform any type of service on the college premises. The awarded Construction Manager at Risk shall include this same prohibition in all contracts with subcontractors that will perform work on campus. Violation of this provision may result in Termination for Cause of the contract.

1.25 STATE OF MARYLAND PREVAILING WAGE REQUIREMENTS

The State of Maryland Prevailing Wage Rates requirements and reporting procedures apply to this Project. Pursuant to Annotated Code of Maryland State Finance and Procurement, Section §17-201 through 226, it is mandatory upon the successful Offeror and any subcontractor under him, to pay not less than the specific rates to all workers employed by them in executing contracts in this locality. A copy of Prevailing Wage Determination and instructions for Contractors for this Project will be provided at time of trade bid issuance.

Offeror agrees that it will abide by the State of Maryland Prevailing Wage Law requirements, and understands that failure to do so is a material breach of the terms and conditions and may result in Contract Termination, disqualification by the College. Offerors must complete and submit the Maryland Prevailing Wage Requirements Affidavit of Agreement.

Any questions concerning Prevailing Wage requirements should be directed to the State of Maryland Department of Labor, Licensing and Regulation, Prevailing Wage Division, 410-767-2342.

Offerors shall note that Prevailing Wage may change periodically, the Contract price may not be changed because of a Prevailing Wage change.

1.26 DEBARMENT

Upon proposal submission, the Contractor **confirms** that neither Contractor nor its Principals are suspended, debarred, proposed for debarment, declared ineligible, or voluntarily excluded from doing business with a public body in State of Maryland. Contractor will provide immediate written notification to the College, if, at any time prior to award, Contractor learns that this certification was erroneous when submitted or has become erroneous because of changed circumstances.

1.27 NOTIFICATION OF CHANGE IN FINANCIAL CONDITION

Awarded contractor must notify Montgomery College of any change in company's financial condition that could negatively impact the level of services or products provided by contractor. Notification must be provided throughout life of contract, and within seven (7) business days of change in company's financial condition. Failure to notify Montgomery College may result in termination of contract.

1.28 REGISTRATION OF CORPORATIONS NOT REGISTERED IN THE STATE OF MARYLAND

Pursuant to 7-202 et. Seq. of the Corporation and Associations Article of the Annotated Code of Maryland, corporations not incorporated in the State of Maryland shall be registered with the State Department of Assessments and Taxation, 301 West Preston Street, Baltimore, Maryland 21201 before doing any interstate or foreign business in this State. **Corporations must be registered, and in good standing no later than proposal submittal deadline date.** A copy of the registration or application for registration may be requested by the College.

1.29 MULTIPLE/ALTERNATIVE PROPOSALS

Multiple proposals from affiliated firms and/or alternate Proposals will not be accepted.

1.30 NOTIFICATION OF CHANGE IN PERSONNEL ASSIGNED TO THE PROJECT

Awarded contractor must notify Montgomery College of any changes in personnel assigned to contract, that may impact the level of services provided by contractor(s). New personnel must have equivalent knowledge, skills and experience to those assigned by the time of contract award. Notification must be provided throughout life of contract, and within seven (7) business days of a change in personnel assigned to contract. Failure to notify Montgomery College may result in termination of contract.

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SECTION 2 – SCOPE OF SERVICES

2.1 INTENT

It is the intent of this Request for Proposal to select qualified Construction Manager at Risk ("CM at Risk") to work collaboratively with Montgomery College and the A/E team to plan and construct the Macklin Towner (MT) Library Renovation on the Rockville campus. In the event that a supplementary condition is contradictory to a general condition, the supplementary condition shall prevail. **The anticipated Construction Cost is $17,000,000 for this project.**

The purpose of this Project is for the Construction Manager at Risk to review and analyze the design, recommendations on construction costs, feasibility and practicality regarding the selection of methods, materials and systems, including cost reducing alternatives, evaluate constructability, advise on sequencing and means and methods, evaluate possible value engineering solutions, develop the schedule; solicit competitive bids and long lead procurements once designs are finalized, award contracts, and manage all construction subcontractors though final inspection and acceptance of the subcontractor's work products by the College. A/E firm have already been engaged in the design process and are working on the construction documents. The A/E expects to complete the construction documents by the end of March 2025.

Montgomery College will be hereinafter referred to as the "College" or "MC". Respondents to the RFP will be referred to as "Offerors" and "Proposers". The Offeror to whom the contract is awarded will be referred to as the "Contractor" or "CM at Risk".

2.2 REQUEST FOR PROPOSAL AND CONTRACT AWARD SCHEDULE

It is the College's intent to administer the RFP process for this Project according to the schedule outlined in Section 1.2 of the RFP.

Montgomery College has established a target construction mobilization date of September 1, 2025, substantial completion date of October 30, 2026 and final completion date of November 30, 2026 for this project. Time is of the essence. The Construction Manager at Risk will use these milestone dates when preparing the estimated lump sum General Conditions estimate.

2.3 CONSTRUCTION MANAGEMENT AT RISK WITH GUARANTEED MAXIMUM PRICE

The CM at Risk, the College, the A/E, and any other project consultants shall be called the "Project Team". It is the intent of the College that the "Project Team" shall work from the beginning of this Project through construction completion and that the CM at Risk shall provide leadership to the Project Team on all matters relating to the Project.

The CM at Risk accepts a relationship of trust and confidence between the CM at Risk and the College. The CM at Risk agrees to furnish its best skill and best judgment and to cooperate with the A/E team in furthering the interests of the College and the Project. The CM at Risk shall furnish efficient engineering reviews, business administration, and field supervision and shall use its best efforts to perform the Work in the best and most expeditious, economical manner consistent with the interests of the College, and in strict conformity with the Contract Documents, including reasonable implications therein.

Construction Management Procedures which are to be established by the CM at Risk during the design phase will allow for the integration of all design and construction phase components of this Project. The team approach shall, from Project inception, strive for Project delivery that is timely, cost effective and within required quality standards set by the College.

The CM at Risk Contract award will consist of two phases. The initial phase is the Preconstruction Phase (Phase 1), which includes the preparation and submission of a Guaranteed Maximum Price (GMP) Proposal. It will be the responsibility of the CM to integrate the design and construction phases. Utilizing skills and knowledge of general contracting, the Offeror will develop schedules, prepare Project construction estimates, present constructability reviews, study labor conditions, and, in any other way deemed necessary, strive for Project delivery that is timely, cost effective and within required quality standards set by the College. The College will pay the CM at Risk the fixed preconstruction phase fee for this Project. Such fees are to include all costs associated with the CM at Risk preconstruction services during this Pre-Construction/Design Phase 1. If the Preconstruction Phase services covered by the Contract have not been completed within 12 months of the date of the Contract, through no fault of the CM at Risk, the CM at Risk's compensation for Preconstruction services shall be adjusted in accordance with the CM at Risk's price proposal for extended Preconstruction services.

The second phase is the Construction Phase (Phase 2). If the GMP Proposal is accepted and CM Construction Services are required, the College will issue a Contract Amendment for the GMP. The GMP includes the CM at Risk's fixed fee for these services. During the Construction Phase, the Offeror will provide services and manage the Project, inclusive of the award and management of all trade contracts. Other construction related services include change order review, quality assurance/inspections, schedule maintenance, cost control, meetings, shop drawing review, processing/monitoring and substitution requests and claims resolution, and coordination/communication of the activities of the Project Team throughout the Construction Phase.

The Project will be "open book". The College may attend any and all meetings and have access to review and copy any and all CM at Risk Project records. The College will pay the CM at Risk its fixed CM at Risk fee, reimbursable cost of the Work, and up to the not to exceed sum of the approved, applicable reimbursable costs included in the General Conditions (on site, staff reimbursable personnel and non-personnel items) for actual expenditures only without any CM at Risk mark-up of any type. Reimbursable costs are listed in Sections 2.40, 2.41 and 2.42 of the RFP. All costs incurred by the CM at Risk which exceed the GMP, and fee shall be paid by the CM at Risk and will not be reimbursed by the College.

2.4 COLLEGE'S ROLE

The College is retaining an A/E for design services and the preparation of design documents for the Project. The College will designate a Project Manager who shall be the College point of contact during Preconstruction and Construction Phases. This representative shall be the primary channel of communication to the College and shall act as the College's liaison with the CM at Risk.

The College shall provide and furnish information regarding its requirements for the Project as applicable and as needed during all phases of the Project. The College shall be the principal reviewer and decision-making authority within the Project Team. In the event of any disagreement or dispute

between any members of the Project Team regarding the Project, the College shall be the final decision-making authority.

PHASE 1 – PRECONSTRUCTION PHASE SERVICES

2.5 GENERAL PRECONSTRUCTION OBLIGATIONS

The selected CM at Risk shall provide preconstruction services for the Project inclusive of design phase review services. At the conclusion of this phase, the CM at Risk shall submit an acceptable Guaranteed Maximum Price (GMP) Proposal for the Project.

The CM at Risk will perform value engineering analysis and constructability reviews. The CM at Risk is responsible to assume a leadership role and provide the resources during the Preconstruction Phase which may be required to ensure the Project budget and schedule remains on target.

The CM at Risk will review the construction bid documents to ensure completeness for subcontract trade bid packages.

2.6 PROJECT REVIEW

The CM at Risk shall meet regularly with the College, A/E, and other design team members to review the program, the design documents, the Project scope, and all other pertinent aspects of the Project. The CM at Risk shall become an integral part of the Project Team that will coordinate the development and progress of the construction processes.

The CM at Risk shall also develop project management and coordination procedures, in cooperation with the College, for the Project.

2.7 VALUE ENGINEERING

The CM at Risk shall, after a complete review of the Project Program and understanding of the intent of the College and the A/E, provide value-engineering services and offer cost savings suggestions and best value recommendations to the College. The CM at Risk shall notify the College, in writing, upon observing any features in the design that appear to be ambiguous, confusing, conflicting, or erroneous. All recommendations must be fully reviewed and approved by the College prior to implementation.

Value engineering efforts shall result in a design that is most effective in first costs as well as long term operational costs relative to issues of energy use and facility maintainability. Value engineering studies shall include life cycle cost analysis as may be required to achieve an appropriate balance between costs, aesthetics, and function. Value engineering efforts shall also take into consideration applicable constructability issues.

Value engineering studies shall start upon award of a contract. All value-engineering studies must be provided on a timely basis so as not to deter or delay the construction schedule.

The CM at Risk shall also conduct value engineering studies during the remainder of the Design

Construction Documents Phase to evaluate specific items as requested by the College. All value engineering shall be completed in conjunction with the progress of the A/E design documentation to ensure that significant revisions are not required on documents previously completed.

2.8 SCHEDULE

The CM at Risk is to establish a detailed, critical path method (CPM) schedule for use during the Preconstruction Phase in consultation with the College and the A/E. The CM at Risk shall within fifteen (15) days after having received written notice to proceed, provide the College with the format for the CPM schedule for the Construction Phase of the Project. The College will review this schedule for compliance with overall Project completion requirements relative to the College's occupancy needs.

The CM at Risk is responsible to monitor this schedule during the Preconstruction Phase to ensure the Project meets predetermined schedule milestones. Unless otherwise agreed upon by the College, the duration of each schedule activity shall be twenty-one (21) calendar days or less. The CM at Risk shall advise the College of any deficiencies in adhering to this schedule by any party. The CM at Risk should detail the Project schedule sufficiently to allow for a realistic projection of design and construction activity sequences and durations. Updated schedules will be required with each major design document submission and with major value engineering decisions. Schedules are due to the College no later than five (5) business days from each design or value engineering submission.

This CPM schedule shall include a projection of all Construction Phase activities to include CM at Risk staff loading throughout the Construction Phases of the Project. The Project Team will use the developed and approved CPM schedule throughout the construction of this Project.

The CM at Risk shall utilize a College approved computer-based software scheduling system to allow the CM at Risk to provide appropriately detailed Construction Phase CPM schedules. Scheduling software shall allow for integration of all aspects of the design/construction processes and provide for coordination of all Work. The scheduling software shall be capable of producing and coordinating logic developed network diagrams, PERT charts, and Gantt chart format reports.

2.9 CONSTRUCTABILITY REVIEW

CM at Risk is to review the constructability of the Project design. On each issue, the CM at Risk is to do the following on a timely basis within the design schedule: describe the constructability issue with background information; conduct in-depth study/research; and prepare a written report that includes the CM at Risk's recommendation for addressing the issue, as well as the basis for the recommendation. The College may also request constructability reviews/studies from the design team for the Project.

2.10 CONSTRUCTION COST MODEL/ESTIMATES

The CM at Risk shall develop and update a Project budget/cost model, independent from the A/E. The base cost model format shall be developed and presented to the College within fourteen (14) days of receiving the design documents from the A/E. Due to the changing economic climate, all cost models are to be construction based, not data based. In other words, the CM at Risk is to develop estimates utilizing in-house capabilities and test estimates through pricing of trade work directly in the marketplace, rather than basing estimates on data retained in the CM at Risk files.

The cost model shall contain the base construction cost estimate in CSI format, including the cost estimate for proposed alternates, and CM at Risk General Conditions, fees, and GMP Contingency.

The Project Construction Costs for the project are identified elsewhere in the RFP. The estimating for add alternates shall start as soon as alternates are identified and shall be complete and include the same level of detail and accuracy as the estimates for the base design at each design phase.

Meetings and negotiations between College, A/E, and the CM at Risk will be held to resolve questions and differences that may occur between the Project Construction Costs and the CM at Risk cost model. If indicated by the Project Construction Costs limitations or other circumstances, the CM at Risk shall work with the College and A/E to reach a mutually acceptable Project Construction Costs.

In the event that the Construction Cost Estimate exceeds the Project Construction Costs, the CM at Risk, without additional compensation, shall, upon the College's direction, work in conjunction with the A/E to redesign the Project as necessary to maintain the Project Program and meet the Project Construction Costs. The Project Construction Costs are stated in Section 2.1 above.

If the Project Construction Costs exceeds the funds allocated by the College for construction of the Project, the CM at Risk shall, upon the College's direction:

a. after consultation with the College, coordinate and cooperate with the Project Team to alter and redraft Construction Documents as necessary to accomplish the required reduction in cost, and shall repeat as necessary;

b. develop, and provide to the College, a Project Construction Costs in connection with the redrafted and altered Construction Documents to accomplish the necessary reductions in cost; and

c. analyze the A/E originally submitted Construction Documents and make recommendations to the College as to ways and methods to reduce the cost of constructing the Project to a sum which does not exceed the authorized appropriations.

Notwithstanding anything in the RFP to the contrary, the CM at Risk shall complete the work required for the cost reduction without additional compensation.

2.11 COORDINATION OF CONTRACT DOCUMENTS

The CM at Risk shall review the drawings and specifications recommending alternative solutions whenever design details affect costs, construction feasibility or schedules. The CM at Risk shall notify the A/E and the College in writing upon observing any features in the plans or specifications which appear to be ambiguous, confusing, conflicting, or erroneous. Ambiguous, confusing, conflicting, or erroneous features discovered in the plans or specifications by the CM at Risk during the review process shall be understood to be corrected and any associated costs shall be included in the CM at Risk's GMP.

SECTION 2 – SCOPE OF SERVICES

2.12 OWNERSHIP OF DOCUMENTS

The College will host and utilize Autodesk BIM 360 Docs to manage all documentation associated with the Project. All data, information, material and matter of any nature and all copies thereof in any and all forms whatsoever developed by the CM at Risk or in the CM at Risk possession or control relating to the Project are the property of the College.

2.13 CONSTRUCTION GUARANTEED MAXIMUM PRICE (GMP)

THE GUARANTEED MAXIMUM PRICE

The Guaranteed Maximum Price includes the Direct Construction Costs, including GMP Allowances, and Alternates chosen by the College; General Conditions of Construction; the CM at Risk's Contingency; and the CM at Risk's Construction Phase fee. The GMP does not include Architects' fees, Project allowances, furniture, furnishings, or loose equipment. The GMP should not exceed the Project Construction Costs which are:

a. $17,000,000 (Seventeen Million Dollars)

As part of the preparation of its Guaranteed Maximum Price, the CM at Risk shall competitively bid all elements of Work after award of this contract by soliciting proposals from no less than three qualified subcontractors. The CM at Risk will summarize all competitive subcontract proposals and review this information with the representatives of the College. A Guaranteed Maximum Price will then be established by the CM at Risk for the Scope of Work set forth in the Construction Documents. <u>The GMP should not exceed the Project Construction Cost Limit amount noted above</u>.

The College is a tax-exempt entity. However, the College's tax-exempt status may <u>not</u> be used by the CM at Risk or any of the subcontractors in the purchase of materials for this Project.

THE GUARANTEED MAXIMUM PRICE PROPOSAL

The CM at Risk will develop and submit to the College a GMP Proposal based on the 100% Construction Documents. If the GMP proposal deviates from the 100% Construction Documents, then the proposal shall include a detailed explanation of the deviations including their impact on the GMP and schedule. The GMP Proposal shall provide a breakdown of the estimated cost of each principal portion of the Work. The estimate shall be broken down by trades, and include the CM at Risk Construction Phase fee set forth in the CM at Risk's price proposal in response to the RFP, general conditions and CM at Risk's contingency and all other Project related costs, such as bonds, insurance, etc. The billing rates for the on-site personnel shall be as quoted by CM at Risk in the Price Proposal. The CM at Risk is to provide the GMP Proposal to the College within thirty (30) days of issuance of the 100% Construction Documents.

The CM at Risk will utilize the College approved Construction Documents as prepared by the A/E to invite and receive competitive bids on all trade packages and materials as a basis for each GMP submission. A copy of State of Maryland Prevailing Wage Determination and minority participation goal shall be included as part of bid documents to solicitate trade bids. The CM at Risk will develop scopes of work based on the Construction Documents; in addition, each scope of work shall include, but not be limited to, anticipated working hours to address the College's concerns with noise and vibration, coordination between or among trades, outages, temporary facilities if required, temporary heat and electric if

required, hoisting, etc. The CM at Risk shall review the General Conditions Costs section of this RFP in detail before preparing the scope of work of each trade to ensure the trade packages are consistent with the requirements of that Section. The CM at Risk shall verify that the scopes of work do not include items covered under the CM General Conditions or CM fees.

The College takes an active role in the trade package scope review process. All trade package scope review meetings must be coordinated with the College's Project team and the A/E team's schedules. The CM at Risk must maintain an active bid package that can be shared with the College for the College's review.

The CM at Risk is required to provide coordinated drawings for all trade work for the construction of that phase of the Project. All Offerors are advised to assume that the Construction Documents do not include this requirement; and the College notes that this effort will be handled primarily by the CM at Risk in the Construction Phase by the BIM Coordinator under CM at Risk Staff Reimbursable Costs.

The CM at Risk is to conduct the following for all trade contracts: pre-bid meetings, post-bid meetings, and bid opening sessions. It is anticipated that a pre-bid meeting will be held for each trade package unless otherwise agreed to by the College. The CM at Risk is also to conduct a qualification process of all trade contractors to ensure that all bidders have the necessary expertise. The College will be attending all meetings pertaining to trade contracts. The College reserves the right, in an advisory capacity, to raise questions to the CM at Risk at any of these meetings. The location of the pre-bid meetings must be held at the College campus and approved by the College prior to scheduling.

When issuing solicitations for trade contracts, the CM at Risk is encouraged to reach out to vendors identified at Montgomery County's MFD website at https://mcipcc.net for the bidding opportunities. Such results must be documented and provided to the College upon request. Additionally, solicitations for trade contracts shall be advertised on the College's Procurement website. CM at Risk shall require all bidders to conduct a site visit of the project site as a condition to award a trade contract.

The CM at Risk may reject all bids and re-bid the trade work or repackage the trade work activity. If the College rejects a trade contractor recommended by the CM at Risk in accordance with the General Conditions, the CM at Risk shall recommend an acceptable substitute at no additional cost to the College.

Any scope of Work proposed to be performed by the CM at Risk, its subsidiaries, or affiliates, that is not included in the general conditions cost or Construction Phase fee shall be explicitly identified and submitted to the College a minimum of fifteen (15) days prior to bidding of Trade Contracts. The CM at Risk shall provide a detailed description of the financial, ownership and other relationships with the related company. Submission of CM at Risk proposals to perform Work in such a manner after the College's acceptance of the Guaranteed Maximum Price Proposal is prohibited. The College has the unilateral right to reject a proposal to use a related company. The cost of the Work to be provided by a related company must be for a lump sum amount.

The CM at Risk detailed construction cost estimates in the GMP Proposal will be reviewed by the College for reasonableness and compatibility with the Project Construction Budget. Meetings and negotiations

between College, A/E, and the CM at Risk will be held to resolve questions and differences that may occur within the Project Construction Budget and the CM at Risk construction cost estimate and corresponding GMP Proposal. If indicated by the Project Construction Budget limitations or other circumstances, the CM at Risk shall work with the College to reach a mutually acceptable GMP.

If the GMP Proposal, as originally submitted or adjusted, for the Project exceeds the funds authorized by the College for construction of the Project, the CM at Risk shall, at the College's direction:

a. after consultation with the College, coordinate and cooperate with the Project Team to alter and redraft Construction Documents as necessary to accomplish the required reduction in cost and shall repeat as necessary.

b. develop and provide to the College a GMP in connection with the redrafted and altered Construction Documents to accomplish the necessary reductions in cost; and

c. analyze the A/E originally submitted Construction Documents, as altered and redrafted, and make recommendations to the College as to ways and methods to reduce the costs of constructing the Project to a sum which does not exceed the authorized appropriations.

Notwithstanding anything in the RFP to the contrary, the CM at Risk shall complete the work required for the cost reduction without additional compensation. If the GMP Proposal is accepted by the College, then the CM at Risk will enter into a Contract Amendment reflecting the accepted GMP Proposal.

Upon approval by the College's Board of Trustees of the Contract Amendment, the CM at Risk GMP, as approved, shall become a part of the CM at Risk Contract. The CM at Risk shall provide the College with a Standard Performance and Standard Labor and Material Payment Bond with penal sums equal to 100% of the GMP.

2.14 GMP SAVINGS

Costs of the Construction Phase of the Project which are less than the Guaranteed Maximum Price shall be divided between the College and the CM at Risk, as follows:

(a) Buyout savings pursuant to Section 2.23 of this RFP - 100% to the College.

(b) CM at Risk's Construction Phase fee - 100% to CM at Risk.

(c) All other savings - 100% to the College.

Buyout savings pursuant to (a) above shall be credited to the College promptly after the College reviews and accepts the CM at Risk's final buyout savings proposal. All other savings shall be credited to the College and paid to the CM at Risk after completion of the Project and pursuant to a final audit which determines the final GMP and costs of the Work. Costs estimated in the GMP proposal for General Conditions (RFP, Section 2.40), On Site Staff Reimbursables (RFP, Section 2.41) may be used only for the category for which the cost is allocated.

After the GMP submission, cost savings from items that should have been proposed as Value Engineering savings or material substitution savings will revert one hundred percent (100%) to the College.

2.15 GMP ALLOWANCES

The Guaranteed Maximum Price Proposal includes GMP allowances established by the College at the College's discretion.

GMP allowances are not allowed within subcontracts and shall not be included in any bids. When practical, the CM at Risk shall bid the work or services in GMP allowances. GMP allowances shall be used strictly for the purposes for which they are established. The CM at Risk shall obtain the College's approval of the use of GMP allowances prior to such use.

GMP allowances shall not include costs or scopes of work that are included in other GMP cost categories.

Cost overruns of GMP allowances will be covered by the College. Unused amounts of GMP allowances will revert to the College.

GMP Allowance descriptions:
The College will determine the complete list of GMP allowances and their respective amounts during the Preconstruction Phase:

a. Allowances: None

When practical, the CM at Risk shall bid the work and/or services covered by GMP Allowances.

2.16 CM AT RISK CONSTRUCTION PHASE CONTINGENCY

The GMP Proposal shall include a CM at Risk controlled construction contingency (CM-GMP Contingency) in an amount approved by the College, to protect the CM at Risk against the risks assumed in providing the GMP for the Project. The College and the CM at Risk acknowledge this CM-GMP contingency is included to adjust the estimate for eventualities which have not been taken into precise account in the establishment of the GMP, including: (1) scope gaps between trade contractors; (2) contract default by trade contractors; (3) costs of corrective work not provided for elsewhere; and (4) expediting/ accelerating the work to meet scheduled completion dates, if required; (5) unforeseen site conditions, (6) design errors and omissions.

The CM-GMP Contingency is not allocated to any particular item of the Cost of the Work and is established for the use by the CM at Risk as may be required for increases in costs incurred in the Work from unforeseeable causes or details not capable of reasonable anticipation at the time of the College's approval of the GMP.

The CM-GMP Contingency may be applied to any items within the Cost of the Work without the necessity of a change order and without constituting a change in the work, and without resulting in any change in the GMP. The CM at Risk will notify the College and obtain written approval of the intent to apply any

part of the CM-GMP contingency to any item within the Cost of the Work prior to any such application.

As the actual Cost of the Work is determined, change orders shall be issued, as appropriate, with the College's review and sign-off between the estimated Cost of the Work and the CM-GMP contingency components of the GMP without effecting a net change to the sum of the GMP. CM-GMP contingency shall be entirely expended before any net change to the sum of the GMP can be considered by the College.

The amount of the CM-GMP contingency is to be as quoted by the CM at Risk in its Price Proposal to the College but must be **a minimum of 8% of the Project Construction Costs**. The College retains the right to specifically request revisions to the amount of the CM-GMP contingency prior to the College's acceptance and approval of the GMP Proposal.

2.17 NONACCEPTANCE OF GMP AND TERMINATION OF CONTRACT

It is understood that the College has the right to reject any GMP Proposal as originally submitted or as adjusted; and that consequently, the Contract will terminate according to its terms. Additionally, it is understood that the College's Board of Trustees has the right to withhold, in its sole discretion, approval of the Amendment of the Contract to reflect any GMP Proposal, in which event the Contract will terminate according to its terms.

If the College, in its sole discretion declines to accept the CM at Risk GMP Proposal for any phase of the Project, the Contract shall terminate, without penalty, according to its terms at the end of the Preconstruction Phase. Additionally, if the College's Board of Trustees or the Maryland Board of Public Works fails to approve the Amendment of the Contract to reflect any GMP, if applicable, the Contract shall terminate according to its terms at the end of the current phase.

This termination by non-acceptance of the GMP Proposal shall likewise terminate all further services and obligations of the CM at Risk. The CM at Risk shall accept the amounts provided in the price proposal for the Preconstruction Phase as full and complete reimbursement of all costs and services performed by the CM at Risk for preconstruction and shall only be entitled to amounts set forth under or related to the Construction Phase to the extent to which the CM at Risk is under contract for the construction and has incurred such costs. Thereafter, the College shall have the right to continue its activities to place the Project under construction with no obligation or restriction regarding the CM at Risk and with full ownership and use of any data and information developed during preconstruction activities.

Termination under this section is in addition to the termination provisions set forth elsewhere in this RFP and in the Contract.

SECTION 2 – SCOPE OF SERVICES

PHASE 2 – CONSTRUCTION PHASE SERVICES

2.18 GENERAL OBLIGATIONS FOR CONSTRUCTION

Upon approval of the Amendment of the Contract, the CM at Risk shall provide services as required to complete construction of the Project and to maintain the established GMP for the Project.

Construction CM at Risk services with general conditions services being provided on a not to exceed basis shall be completed within a total of eighteen (18) months after approval of GMP contract amendment by College's Board of Trustees. The College anticipates completion of the project by November 2026.

The College anticipates the building will be complete and ready for coordination of the following milestone activities administered by the College, concurrent with CM at Risk's completion of the Project. The College anticipates Substantial Completion and occupancy related milestones, and Final Completion as follows:

1)	RFP issued	September 3, 2024
2)	Pre-proposal meeting	September 9, 2024
3)	Submission of Technical Proposals	September 24, 2024
4)	Interview	October 3-4, 2024
5)	Submission of Price Proposals	October 15, 2024
6)	College BOT award of Pre-Construction	November 11, 2024
7)	100% CDs complete	March, 2025
8)	Building permit issued	June, 2025
9)	Submission of GMP	April 15, 2025
10)	College Award of GMP for Construction and Procurement of long lead items	May 19, 2025
11)	NTP Demolition (mobilization)	September 2025 (pending completion of swing space)
12)	Substantial Completion including issuance of Occupancy Permit	October, 2026
13)	Final Completion	November, 2026

2.19 CONSULTATION DURING CONTINUING PROJECT DEVELOPMENT

Upon acceptance of the GMP Proposal, the CM at Risk shall continue to advise and assist the College and A/E during any continuing design activities required in the Project. Costs associated with any design activity shall be reimbursed if subsequent changes result in a change to the GMP, or not reimbursed if determined the activity is a result of required coordination of Work for the Project.

2.20 PROJECT CONSTRUCTION COSTS

The CM at Risk recognizes that the College has limited funds for the construction of the Project. The College's Project Construction Costs limit is approximately $17, 000,000. This amount, as noted on the Price Proposal, is inclusive of the CM at Risk on-site staff reimbursable costs, a General Conditions not

to exceed costs as quoted by the CM at Risk inclusive of the testing and inspection requirements, CM at Risk Construction Phase Fee, and CM-GMP contingency, but excluding the A/E fee. This amount is referred to in this RFP as the Project Construction Budget and is the budgetary allocation for all costs included within the GMP.

2.21 PROJECT SCHEDULE

After acceptance of the GMP Proposal and the proposed project schedule, and issuance of a Contract Amendment to the CM at Risk for the Construction Phase of the Project, and within fifteen (15) days of written Notice to Proceed Construction Activities, the CM at Risk shall submit a preliminary critical path method (CPM) schedule consistent with the timeframes submitted during the Preconstruction Phase.

The CM at Risk shall provide the construction phase CPM schedule through the use of a computer-based software scheduling system. The scheduling software used by the CM at Risk shall be capable of producing and coordinating logic developed network diagrams, Pert charts, and Gantt chart format reports; allow for integration of all aspects of the Project; and provide for coordination of all work.

The CM at Risk shall develop the complete and final CPM schedule in the form of a CPM network arrow diagram (Pert) using the CM at Risk logic and time estimates for each segment of the Work. The arrow network diagram will be drawn in a level of detail suitable for display of salient features of the Work, including but not limited to the placing of orders for materials, submission of shop drawings for approval, approval of shop drawings by the A/E and the College, delivery of material, and all work activities inclusive of punch list agreed to by the College. Each Work activity shall be assigned a time estimate by the CM at Risk. One day shall be the smallest time unit used. Data shall also be provided in Gantt form.

Upon completion of the Pert and Gantt diagrams, the CM at Risk shall prepare a printout to be reviewed with the Project team. In the event the completion date indicated by the schedule exceeds the contractual date, the logic and time estimates used to develop the plan will be reviewed, changes made in the logic and time estimates, and another printout prepared for a subsequent review with the Project team. This procedure shall be repeated, if necessary, to provide a plan and schedule to meet College requirements for occupancy.

Within thirty (30) days of Notice to Proceed Construction Activities, the final CPM schedule shall be submitted to the College for review and approval. This working schedule shall show job identification, job duration, manpower loading, cost loading, calendar dates for start and finish of each job, and jobs critical to the completion of the Project on schedule. When approved by the College, this schedule shall become the working plan and schedule for the Project and the information shall be provided to the CM at Risk for distribution the Project Team inclusive of all trade contractors.

The CM at Risk shall review the plan and schedule each month. An updated Project schedule shall be furnished showing actual completed work at the end of each month in detail for the entire Project. The form to be used shall be approved by the College and shall be submitted with the monthly invoice.

The CM at Risk shall provide regular monitoring of the schedule as construction progresses, identify potential variances between scheduled and desired completion dates, review schedule for work not

started or incomplete, and take the action necessary to meet the required completion date.

It is the CM at Risk's responsibility to meet the required construction completion date. If the CM at Risk discovers that action must be taken in order to meet this contractual responsibility, all costs associated with any appropriate action are the responsibility of the CM at Risk within the GMP unless a delay is attributable to the College.

If the CM at Risk finds that the schedule has been impacted by an action or inaction on the part of the College, the CM at Risk must review the situation with the College and obtain a change order amendment for any resulting work prior to taking any action which has a cost impact. All change order work shall be governed by the Montgomery College General Conditions as supplemented by the provisions of this RFP. Notwithstanding anything in the General Conditions, the provisions shall apply only to work to be performed in the Construction Phase, unless stated otherwise in the Contract.

2.22 DATE OF COMPLETION

The work and services under this Contract shall be phased and scheduled for the time period necessary to complete the Projects as outlined in Section 2.18 above. Time is of the essence.

2.23 TRADE CONTRACTS AND SUPPLIERS

Those portions of the Work that the CM at Risk does not customarily perform with its own personnel shall be performed under trade contracts or by other appropriate agreements with the CM at Risk. The College may designate specific persons from whom, or entities from which, the CM at Risk shall obtain bids. The CM at Risk shall obtain bids from Trade Contractors and from suppliers of materials or equipment fabricated especially for the Work and shall deliver such bids to the College. A copy of State of Maryland prevailing wage rates must be included in the CM at Risk bid documents to all trade contractors who perform the work onsite The College shall then determine, with the advice of the CM at Risk, which bids will be accepted. Trade Contracts or other agreements shall conform to the applicable payment provisions of the Contract and shall not be awarded on the basis of cost plus a fee without the prior consent of the College. If the Trade Contract is awarded on a cost-plus fee basis, the CM at Risk shall provide in the Trade Contract for the College to receive the same audit rights with regard to the Trade Contractor as the College receives with regard to the CM at Risk.

The CM at Risk will require the Trade Contractors to provide the applicable contract documents inclusive of insurance certificates, performance and payment bonds, and MBE participation, by submission of letters of intent, copies of purchase orders, etc. All contract documents between the CM at Risk and the Trade Contractors are to be made available for review and copying by the College as requested.

Any change to the Trade Contractors submitted in the GMP, if any, must be approved by the College. The CM at Risk shall submit a detailed explanation and justification explaining why the new Trade Contractor proposed provides a benefit to the Project and the College. Any changes to the MBE documentation must be included with the justification.

The CM at Risk shall submit copies of contracts signed with Trade Contractors to the College within thirty (30) calendar days from execution.

The CM at Risk will be allowed to use savings from Trade Contract buyouts to cover Trade Contract overruns. The CM at Risk shall submit the total buyout savings proposal to the College as soon as practical but not later than 45 days from the date the last GMP Trade Contractor associated with building construction is awarded. Savings generated by Trade Contractor buyouts will revert to the College and the CM at Risk as previously noted under "GMP Savings" in this section. Until the CM at Risk submits its buyout savings proposal, it shall advise the College monthly its estimate of what will be the proposed final buyout savings.

Prior to providing an application for payment, the CM at Risk shall certify in writing that the CM at Risk has made payment from proceeds of prior payments, and that the CM at Risk will make timely payments from proceeds of the current application for payment then due the CM at Risk to Trade Contractors and suppliers in accordance with contractual arrangements with them.

CM at Risk agrees that they are fully responsible to the College and Montgomery County, Maryland for any acts and omissions of their Trade Contractors and of persons directly or indirectly employed by them. Nothing contained in these Contract Documents shall create any contractual relationship between any Trade Contractor and the College and Montgomery County, Maryland.

2.24 SEPARATE CONTRACTS

Without invalidating the relationships with the CM at Risk, the College reserves the right to let other contracts in connection with the Project, the work under which shall proceed simultaneously with the execution of the CM at Risk Work. The CM at Risk shall afford other separate contractors engaged by the College reasonable opportunity for the introduction and storage of their materials and the execution of their work, and the CM at Risk shall take all reasonable action to coordinate its Work with theirs. If the work performed by the separate contractor engaged by the College is defective or performed as to prevent the CM at Risk from carrying out its Work according to the plans and specifications, the CM at Risk shall immediately notify the A/E and the College upon discovering such conditions.

2.25 PROJECT CONTROL

Project Staffing

The CM at Risk on-site representatives shall manage the Work of the Trade Contractors and coordinate the Work with the activities and responsibilities of the College, A/E, and CM at Risk to complete the Project in accordance with the College's objectives of cost, time, and quality and in full accordance with the plans and specifications.

The CM at Risk shall maintain a competent, capable, and adequate full-time staff approved by the College at the Project site to coordinate and provide adequate direction of the Work and to monitor progress of the Trade Contractors on the Project at all times.

It is understood that the designated and approved on-site resident CM at Risk representatives will remain on the job and in responsible charge as long as those persons remain employed by the CM at

Risk unless the College has reason to agree otherwise during the course of the Project and a contract amendment is issued accordingly by the Director of Procurement in the College's Finance Office.

On-site Coordination/Management

The CM at Risk shall establish on-site organization and lines of authority in order to carry out the overall plans of the Project Team.

The CM at Risk shall conduct orientation sessions for its on-site field staff and Trade Contractor's staff, as applicable, as to the Project Procedures developed during the Design Phase as well as site requirements per the Contract Documents. College representatives will attend such sessions.

The CM at Risk will coordinate all of the on-site Trade Contractors to ensure that the necessary on-site services for the construction activities are provided and on-site requirements of the CM at Risk, College, and A/E are met. The CM at Risk is not required to provide offices for the A/E or the College within its field offices.

The CM at Risk shall require all Trade Contractors to submit a Trade Contractor's Report which is to include, but not be limited to, a summary of work performed, information required, status of change order Work, materials received, and safety incidents. The CM at Risk shall accept delivery and arrange for storage, protection and security for any College purchased materials, systems and equipment which are a part of the Work until such items are turned over to the respective Trade Contractors.

Meetings

The CM at Risk shall schedule and conduct regular biweekly progress meetings at which Trade Contractors, College, A/E, and other designated representatives, and the CM at Risk can discuss jointly such matters as progress, scheduling, and construction-related problems. Additional progress meetings shall also be scheduled as directed by the College. Within three (3) days of a progress meeting, the CM at Risk shall take and distribute complete minutes of meetings to all attendees and other individuals as directed by the College. Representatives of the College will attend meetings and shall receive all notices and minutes of meetings.

The CM at Risk shall also conduct Owner's meetings at least monthly, or as requested by the College. The Owner meetings are to be attended by representatives of the College, the CM at Risk, and the A/E to discuss overall Project matters and Project procedures to ensure that all parties are meeting their obligations to assure a successful Project. Within three (3) days of the Owner's meeting, the CM at Risk shall take and distribute complete minutes of Owner's meetings to all attendees and other individuals as directed by the College.

Requests for Information (RFIs)

The CM at Risk will be responsible for logging and reviewing all RFIs prior to submission to the College and the A/E. The CM at Risk is to ensure that the RFIs submitted are appropriate and not frivolous. The CM at Risk shall be responsible for tracking and monitoring all RFIs throughout the Construction Phase until all RFIs are processed by the A/E and the College. The CM at Risk shall include RFIs as an agenda topic at all Owner meetings and advise the College immediately of any delays in the RFI process. The CM

at Risk will be responsible for developing and implementing a RFI form for use on the Project. The CM at Risk shall also develop and submit a RFI aging report to the College's Project Manager at each regularly scheduled progress meeting.

Substitution Requests

The CM at Risk will be responsible for reviewing all substitution requests to assure the requests are complete. If the requests are not complete, the CM at Risk will return the request to the Trade Contractor for proper submission. The CM at Risk will be responsible for logging all substitution requests and will review all Substitution Requests with the College prior to submission to the A/E and the College. The CM at Risk shall also be responsible for tracking and monitoring all Substitution Requests throughout the Construction Phase until all Substitution Requests are processed by the A/E and the College. The CM at Risk shall include Substitution Requests, if any, on the agenda topic at the Owner's meetings and advise the College immediately of any delays in the Substitution Request process. The College reserves the right to reject Substitution Requests for any reason or no reason at all.

Project Photographs

The College requires the CM at Risk to submit Progress Photographs monthly in sufficient detail to document the progress of the work. Provide a minimum of (12) pictures each month showing the Project from different viewing angle as required to document special conditions. Provide photographs in electronic format for the College to view and print via the Internet.

2.26 COST CONTROL

The CM at Risk shall develop and maintain an effective system of Project cost control. The CM at Risk shall refine and update the approved GMP, incorporate College approved changes as they occur, and develop reports and forecasts as needed, or as directed by the College. The CM at Risk shall identify variances between actual and estimated costs and advise the College whenever the projected cost exceeds allowances or estimates.

The CM at Risk shall check and supervise all material deliveries, equipment and labor entering the work site. The CM at Risk shall maintain cost accounting records on authorized Work performed under unit costs, actual costs for labor and material, and other areas requiring accounting records, as necessary. The CM at Risk shall provide the College access to the records and preserve the records for a period of three (3) years after final payment. The College reserves the right to audit and copy these records during that period.

2.27 CHANGE IN SCOPE AND CHANGE IN GMP

The College may, unilaterally at any time by written order or contract amendment, make changes within the general scope of the Work to be performed under the Contract. The CM at Risk shall provide the College with written detailed cost supportive data if any apparent change in scope or design will require a change in the GMP. A copy will be provided to the A/E.

The College and A/E will review the CM at Risk analysis and cost data. The College and A/E will advise the CM at Risk whether or not they agree with the CM at Risk's analysis and cost data. The College and CM at Risk shall reach mutual agreement on the nature of the subject change, and upon the College's

direction, eliminate the circumstances of the change or negotiate a mutually agreed cost change to be made to the GMP. The CM at Risk shall notify the A/E and the College of such changes before trade bids for the work associated with the change are requested.

Change order expenditures may not be made against this contract without written approval by the College's designated representative through the issuance of a contract amendment to the CM at Risk contract as provided for in the Montgomery College General Conditions of the Contract. Additionally, changes to the GMP will only be made when documented and College approved decisions are issued per the terms of the General Conditions by way of a contract amendment to the CM at Risk contract following the requisite approvals.

It is understood and agreed that refinement and detailing may be accomplished from time to time with respect to the drawings and specifications. No adjustment in the GMP or the Scheduled Completion Date shall be made unless such refinement or detailing results in changes in the scope or design of the Project, as determined by the College. Nothing herein shall be construed to preclude the College from ordering minor changes in the work not involving increases in cost consistent with the intent of the Contract Documents.

The CM at Risk shall develop and implement a system for review, negotiation, and processing of proposed Change Orders. The CM at Risk shall, with complete supporting data, recommend necessary or desirable changes to the College and the A/E for approval.

No increase to the CM at Risk Construction Services Fee or GMP Contingency shall be assessed for Modifications to this Contract except for College-initiated Modifications after the cumulative value of College-initiated Modifications exceeds five percent (5%) of the aggregate GMP. If the cumulative value exceeds the five percent (5%), the CM at Risk may request additional fee. The amount of fee allowed is the lesser of 3% or a percent determined by the ratio Construction Services Fee to the Project Construction Costs identified in this RFP. The maximum amount of contingency allowed is a fixed percentage stated earlier for CM-GMP Contingency. The cumulative value indicated here shall only include College initiated Modifications processed after the GMP is approved. Additional fees in cases where the approved GMP exceeds the Project Construction Costs established in the RFP are addressed elsewhere in the RFP.

Except as set forth in the paragraph immediately above, the CM at Risk may not include a mark-up for any change order work. Change order proposals may only consist of actual costs, i.e., Trade Contractors' change order proposals and General Conditions' items, if applicable.

Credits associated with scope reductions shall revert to the College in full.

Changes Order proposals shall only include the cost of the Trade Contract work:

a. The inclusion of additional GMP contingency will only be allowed in cases of complex owner-initiated scope changes which involve multiple Trade Contractors, scope reviews and additional coordination. GMP contingency will not be allowed on typical changes, including

those resulting from Architect's supplemental instructions or change bulletins, unless they include a scope change specifically requested by the College. If GMP contingency is allowed in a change order, GMP contingency will be the source of funds to cover the events identified in "GMP Contingency" associated with the added scope of Work.

b. Contractor Bond and Insurance shall not be included in change orders. Their cost will be reimbursed by the College upon submission of copies of invoices from the bonding and insurance carriers.

c. If the CM at Risk and the College agree to use Contractor Default Insurance (CDI) instead of Subcontractor Bonds, CDI shall not be included in individual change order requests. CDI will be reimbursed upon submission of invoices from the CDI carrier.

d. If the CM at Risk and the College agree to use Contractor Controlled Insurance Program (CCIP) instead of Subcontractor insurance, CCIP shall not be included in individual change order requests. CCIP will be reimbursed upon submission of invoices from the CCIP carrier.

2.28 QUALITY ASSURANCE/INSPECTION

Quality Assurance is an area of utmost importance to the College. Although it is the contractual obligation of both the A/E and the CM at Risk to guard the College against defects and deficiencies in the work, expect the College to actively participate in this process.

The CM at Risk shall inspect the Work of the Trade Contractors to guard the College against defects and deficiencies in the work and shall coordinate this activity with the on-site duties of the A/E. The CM at Risk shall advise the A/E of any apparent variation and deviation from the intent of the Contract Documents and shall take the necessary action to correct such variations and deviations within the terms of the Contract Documents. It is anticipated that personnel from the College's Office of Facilities will attend all inspections and testing. It is the responsibility of the CM at Risk to advise the College's Project Manager of scheduled tests and inspections with appropriate advance notice.

The CM at Risk shall provide one (1) set of all inspection reports to the Project Manager with the monthly report. In addition, the CM at Risk is to include on the agenda of all regularly scheduled Owner's progress meetings a review of upcoming inspections and tests and attach a list of these with the minutes of such meetings.

The CM at Risk shall provide for and administer all third-party inspections and testing as specified in the Construction Documents per the identified, General Conditions reimbursables.

<u>The College shall, in all cases, make final interpretation of the Contract Documents and rule on compliance of the Work. This provision specifically supersedes anything to the contrary in the General Conditions of the Contract for Construction and the Supplementary Conditions for CMAR Projects.</u>

SECTION 2 – SCOPE OF SERVICES

2.29 COMMISSIONING

Commissioning services will start near the middle of the Construction phase and will be provided by an independent Commissioning Agent (CxA) whose services will be contracted by the Architect or the College.

The CxA will prepare the Construction Phase Commissioning Plan and provide the commissioning specifications, forms, and checklists to be included in the Construction Documents.

Commissioning for the Project includes, but is not limited to, the following systems: all HVAC systems, including fans, controls, pumps, and associated piping, wiring and ductwork; fire alarm and life safety systems; and electrical systems, particularly any tied to an emergency generator.

Commissioning activities performed during the Construction Phase include: observation of start-up, testing and calibration activities; verification and documentation of functional performance tests; and acceptance of commissioned systems.

2.30 MINIMUM SAFETY REQUIREMENTS

The CM at Risk shall develop and implement a Project safety program in accordance with the College General Conditions of the Contract and applicable regulations. CM at Risk shall provide a safe and healthful environment for its employees and agents as well as the College's representatives and agents.

The CM at Risk shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work. CM at Risk shall comply, and shall secure compliance by its employees, agents, and subcontractors, with all applicable health and safety laws and regulations, including without limitation, Federal OSHA and equivalent OSHA state regulations, city and county ordinances and codes, uniform fire codes, DOT regulations, and College facility rules and regulations.

CM at Risk shall submit to the College a copy of its Safety and Health Program for review and shall agree to make necessary changes in order to comply with specific facility rules and regulations if needed. CM at Risk shall effectively execute the program elements and maintain the job site in a safe and healthful manner.

Report all injuries, illnesses, and work-related incidents to the College immediately but no later than the next business day after the incident. CM at Risk shall fill out an Incident Report and submit to the College no later than 48 hours after the initial incident.

CM at Risk shall report to the College any governmental inspections or inquiries at the job site. The reasons for the inspection and results of the inspection shall be shared with the College as soon as possible and no later than the next business day. The College expects verbal notification of all inspections well as a subsequent written report detailing the inspection.

By the fifth working day of each month, CM at Risk shall prepare a Monthly Safety Summary detailing activities, events, and accident statistics and submit this report to the College. The CM at Risk shall report, to the College, as part of each monthly report any safety violations and actions taken to protect

the safety of persons and property engaged in the work. The College reserves the right to audit CM at Risk safety and health related records and statistical information at any time.

2.31 SHOP DRAWING REVIEW AND PROCESSING

The CM at Risk shall develop and implement a system for review, acceptance or rejection, and processing of all shop drawings/submittals. The CM at Risk shall review this system with the College and obtain the College's approval prior to implementation.

The CM at Risk will be responsible for logging all shop drawings/submittal prior to submission to the College and the A/E. The CM at Risk is to ensure that shop drawing/submittals packages are submitted in an appropriate manner and, if not, return them to the Trade Contractor for proper submission.

The CM at Risk shall be responsible for tracking and monitoring all shop drawings/submittals throughout the construction phase until all shop drawings/submittals have been approved by the A/E and the College. Allow a minimal review period of approximately three (3) weeks per submittal.

The CM at Risk shall include shop drawings as an agenda topic on all Owner meetings and advise the College immediately of any delays in the shop drawing/submittal process. The CM at Risk shall develop and submit a shop drawing/submittal aging report to the College's Project Manager at each regularly scheduled progress meeting. The CM at Risk shall provide coordinated drawings as required per the Construction Documents.

2.32 PROJECT SITE DOCUMENTS

The CM at Risk shall maintain at the Project site, on a current basis, records of all necessary contracts, shop drawings, samples, purchases, materials, equipment, maintenance and operating manuals and instructions, and any other documents and revisions thereto which arise out of the contract or the work. Maintain these records in hardcopy and electronic format. The CM at Risk shall provide the necessary hardware and software to access and use the electronic materials while on-site.

2.33 REPORTS

The CM at Risk shall provide to the College on a monthly basis, or at the College's request, a written report inclusive of the items listed below. Submit the monthly report every 30 days beginning 30 days from the issuance of the Notice to Proceed for the Construction Phase.

The monthly report by the CM at Risk is to include the following items:

a. Project Status: Overall summary of the Project status to date for the Project inclusive of information on the Trade Contractors' Work and the percentage of completion for the Project.

b. Schedule: Revised Project schedules with a brief narrative of the schedule and status of the significant milestones.

c. Cost Status: Overall summary of the financial status of the Project with the cost control report included which details expenditures of all contingencies.

d. Change Orders: A summary statement as to the status of change orders for the Project inclusive

of potential change orders, approved change order and rejected/voided change orders, as well as change orders requiring the College's immediate attention.

e. Shop Drawings/Submittals: A summary statement as to the status of shop drawings/submittals for the Project inclusive of items requiring the College's or the A/E's immediate attention.

f. Quality Assurance/Inspections: A summary statement as to the status of quality control/inspections for the Project including, but not limited to, number and type of inspections made, overall Project quality to date, and recommendations.

Within ten (10) days of issuance of the Construction Phase Notice to Proceed, the CM at Risk is to submit to the College the report formats for each of these and prior to implementation the CM at Risk must obtain the College's approval of these formats.

2.34 CLAIMS AVOIDANCE/RESOLUTION

As necessary, the CM at Risk is to advise the College on a timely basis on construction issues to avoid disputes. If claims/disputes arise, the CM at Risk will provide the College with any requested assistance. This assistance may include cost assessments, documentation review, and contract review, as well as any corresponding recommendations. In an event of a dispute between the College and the CM at Risk, the CM at Risk is expressly obligated to continue Work on the Project while the resolution process is progressing.

2.35 CONTRACT ACCEPTANCE PHASE SERVICES

At the appropriate time, the CM at Risk is required to provide a Project Close Out Engineer to handle Project close out activities which include punch list, scheduling of the required demonstrations, and testing.

The CM at Risk is to work closely with the College's Project Manager as to the procedures and schedule for Contract Close Out and the contractual obligations therein. The CM at Risk is responsible for compliance with all Contract Close Out items per the Contract Documents.

Complete the requirements of this phase within the duration required by the Contract Documents. Provide schedules for and management of required activities during this phase.

The CM at Risk shall complete the punchlist work and notify the College and A/E the Project is ready for final inspection within four (4) weeks after the date of substantial completion. Comply with the requirements of the Contract Documents for final inspection and completion.

Participate in completion of commissioning activities:

Within 30 days after the date of substantial completion, provide hard copies of the as-built documents and the as-built BIM model, if required, to the College and the Architect.

Demobilize trailers and other temporary facilities before or after substantial completion as coordinated

with the College, restore the site per the Contract Documents, and settle and pay final utility bills.

Coordinate all acceptance phase activities with the College's occupancy activities, which may include keying, access control activation, room signage, furniture delivery and installation, equipment delivery, occupant move-in, and other activities.

The CM at Risk shall obtain data from Trade Contractors and maintain a current set of record drawings, specifications, and operating manuals. With mechanical and electrical equipment, the CM at Risk is to obtain the Operating and Maintenance (O&M) manuals at least two (2) months prior to the demonstration for such equipment.

Submit these O&M manuals to the College Project Manager who will coordinate with the College's Campus Facilities Department for review prior to the equipment demonstration. At the completion of the Project, and before final payment, the CM at Risk shall deliver all such records to the College in a paper and electronic format as specified by the College along with completion set of as-built drawings for incorporation by the A/E into the record documents.

2.36 CONTRACT COMPLETION PHASE SERVICES

Request reduction of retainage and submit consent of surety to the reduction of retainage.

Provide a schedule for post-substantial completion activities and services specified in the construction documents, which may include opposite- season commissioning and balancing activities; calibration checks; equipment service, cleaning, and maintenance activities; and other specified activities and services.

Final Contract Report: Provide one hard copy and the native files for a final contract report on the financial reconciliation of the Contract within 30 days after final completion. The CM shall submit the final contract report based on the format provided by the College, and revise the report as required by the College. The final contract report shall include the following information:

a. A Contract summary matrix.

b. A matrix enumerating the original Contract, contract modifications, and final Contract total.

c. Detailed matrices of the disposition of each of the following: pre- construction services fee; Project allowances: Trade Contracts for special contracts: trade contracts; GMP allowances; GMP contingency; general conditions cost; and construction services fee.

d. Reconciliation of unit prices and unit measurements, if applicable.

e. Copies of consultant agreements and change orders.

f. Copies of Trade Contractors' change orders.

g. Release of Liens: Provide a Subcontractor's Final Unconditional Lien Waiver and Release on a form proscribed by the College or each Trade Contract whose final contract amount is over $10,000. The release of liens shall indicate the amount of the original Trade Contract, the total

amount of change orders, and the final trade contract amount. The final unconditional release must be signed by the Trade Contractor and notarized.

h. Other information and documents requested by the College.

Comply with requirements of the Contract Documents for final payment.

2.37 WARRANTY PERIOD SERVICES

Respond to the College's requests for obtaining and management of Trade Contractors' warranty services.

Attend and participate in warranty inspections at six months, twelve months, and 23 months after substantial completion to identify warranty issues requiring correction, replacement, or repair. The A/E will compile a list of items identified during the inspections and distribute to the CM at Risk and College.

Schedule, manage, and coordinate with the College the post-substantial completion activities and services specified in the Contract Documents, which may include opposite-season commissioning and balancing activities; calibration checks; equipment service, cleaning, and maintenance activities; and other specified activities and services.

FINANCIAL TERMS

2.38 CM AT RISK PRECONSTRUCTION PHASE FEE

The CM at Risk fee for the Preconstruction (Design) Phase shall be an all-inclusive lump sum fee associated with the required services specified in this RFP. **The contract for Preconstruction CM at Risk fees will be separate from the GMP.**

The Preconstruction CM at Risk fee price proposal for this Project shall be irrevocable for ninety (90) calendar days from the proposal due date. This period may be extended by written mutual agreement between the Proposer and the College.

2.39 CM AT RISK CONSTRUCTION PHASE FEE

The CM at Risk fee shall be an all-inclusive lump sum management fee. It shall include all CM at Risk home and other office costs including but not limited to officers, home, and local office support staff, as well as all CM at Risk overhead costs and profit.

The Construction Phase CM at Risk fee price proposal shall remain irrevocable until acceptance of the GMP and approval of the Amendment to the Contract to reflect the construction work. It should also be noted that an adjustment will not be made to the CM at Risk Construction Phase fee on this Project even if the Project scope changes.

2.40 GENERAL CONDITIONS

A not to exceed fee for General Conditions will be established by the CM in the GMP submission and

approved by the College in its review and approval of the GMP, for General Conditions items per the submitted Price Proposal. This fee shall be based on the CM at Risk quoted not-to-exceed costs for General Condition items, inclusive of on-site field staff reimbursable expenses, to cover reimbursable costs associated with construction of this Project. Items which the College will expect to pay from the established fee are noted in the "General Conditions – On-Site CM at Risk Staff Reimbursables ONLY for the Project" form in the Price Proposal, and the "General Conditions for Non-Personnel Reimbursable Costs" form in the Price Proposal in Section 5 of this RFP. Costs for reimbursement as General Conditions include:

A. Labor Costs

Wages of construction workers, excluding on-site CM at Risk staff, directly employed by the CM at Risk to perform the construction of the Work at the site or, with the Owner's prior approval, at off-site workshops.

Costs paid or incurred by the CM at Risk for taxes, insurance, contributions, assessments, and benefits required by law or collective bargaining agreements and, for personnel not covered by such agreements, customary benefits such as sick leave, medical and health benefits, holidays, vacations, and pensions, provided such costs are based on wages and salaries included in the Cost of the Work.

B. Costs of Other Materials and Equipment, Temporary Facilities and Related Items

Costs of transportation, storage, installation, maintenance, dismantling and removal of materials, supplies, temporary facilities, machinery, equipment, and hand tools not customarily owned by construction workers that are provided by the CM at Risk at the site and fully consumed in the performance of the Work. Costs of materials, supplies, temporary facilities, machinery, equipment, and tools that are not fully consumed shall be based on the cost or value of the item at the time it is first used on the Project site less the value of the item when it is no longer used at the Project site. Costs for items not fully consumed by the CM at Risk shall mean fair market value.

Rental charges for temporary facilities, machinery, equipment, and hand tools not customarily owned by construction workers that are provided by the CM at Risk at the site and costs of transportation, installation, minor repairs, dismantling and removal. The total rental cost of any CM at Risk-owned item may not exceed the purchase price of any comparable item. Rates of CM at Risk-owned equipment and quantities of equipment shall be subject to the College's prior approval.

If the term of the rental costs exceeds the cost of the equipment or furniture, the equipment and furniture shall be bought from general conditions funds and turned over to the College at the end of the Project. At the College's discretion, if the College determines that the price of the furniture or equipment is too high, the College may require the CM at Risk to purchase the furniture or equipment from the College with General Condition's funds.

Costs of removal of debris from the site of the Work and its proper and legal disposal.

Costs of document reproductions, postage and parcel delivery charges, telephone service at the

site and reasonable petty cash expenses of the site office.

C. Miscellaneous Costs

Sales, use, or similar taxes imposed by a governmental authority that are related to the Work and for which the CM at Risk is liable.

Fees and assessments for the building permit and for other permits, licenses, and inspections for which the CM at Risk is required by the Contract Documents to pay.

Fees of laboratories for tests and special inspections required by the Contract Documents, except those related to defective or nonconforming Work for which reimbursement is excluded.

Royalties and license fees paid for the use of a particular design, process or product required by the Contract Documents; the cost of defending suits or claims for infringement of patent rights arising from such requirement of the Contract Documents; and payments made in accordance with legal judgments against the CM at Risk resulting from such suits or claims and payments of settlements made with the Owner's consent. However, such costs of legal defenses, judgments and settlements shall not be included in the calculation of the CM at Risk's Fee or subject to the Guaranteed Maximum Price.

Deposits lost for causes other than the CM at Risk's negligence or failure to fulfill a specific responsibility in the Contract Documents.

Legal, mediation and arbitration costs, including attorneys' fees, other than those arising from disputes between the College and CM at Risk, reasonably incurred by the CM at Risk after the execution of this Agreement in the performance of the Work and with the College's prior approval, which shall not be unreasonably withheld.

D. Other Costs and Emergencies

Other costs incurred in the performance of the Work if, and to the extent, approved in advance in writing by the College.

Costs incurred in taking actions to prevent threatened damage, injury or loss in case of an emergency affecting the safety of persons and property.

Costs of repairing or correcting damaged or nonconforming Work executed by the CM at Risk, Subcontractors, or suppliers, provided that such damaged or nonconforming Work was not caused by negligence or failure to fulfill a specific responsibility of the CM at Risk and only to the extent that the cost of repair or correction is not recovered by the CM at Risk from insurance, sureties, Subcontractors, suppliers, or others.

The CM at Risk will be reimbursed for actual costs only. Markup for overhead and profit is not allowed. Expenditures from this not to exceed fee may only be made with the approval of the College which shall not be unreasonably withheld. Not to exceed fee expenditures must be approved by the College prior

to the provision of said services. The CM at Risk will be required to provide a "General Conditions" billing back-up derived from the CM at Risk computer-based project accounting/tracking system.

General Conditions costs related to any change orders/amendments to the CM at Risk contract will be reviewed on an individual, change order basis; a determination will be made as to the need for requested General Conditions increases related to the change order. The CM at Risk should not expect that any change order will allow for an increase in the General Conditions NTE fee.

2.41 ON-SITE STAFF REIMBURSABLES

As part of the Price Proposal, the Proposers shall quote on-site Staff Reimbursables for the GMP; the price proposal evaluation will include these quoted amounts. By submitting the price proposal, a Proposer is committing that the costs associated with the on-site staff positions for the GMP will not exceed the amount quoted in the Price Proposal. If the proposer is awarded this contract, the only exceptions to this commitment will be for positions for which prevailing wage rates apply (i.e., laborer).

The project manager, superintendent, and project engineer are to be salaried positions. The College will reimburse a maximum of forty (40) hours per week for these positions; therefore, the quoted billing rate should be based on this maximum number of hours allowed per week. The College will not reimburse overtime payments for any CM at Risk salaried position. Regardless, it is the responsibility of the CM at Risk to appropriately staff this Project to ensure that a capable CM at Risk representative is on-site as required.

2.42 ITEMS OF GENERAL REQUIREMENTS

The CM at Risk is to provide for all items of General Requirements in the General Conditions fee including, but not limited to, the following:

a. project management;
b. general Superintendent (and vehicle);
c. quality/safety control;
d. estimating and purchasing;
e. project schedule including updates;
f. copying and printing;
g. travel and miscellaneous expenses;
h. field office and field office expense;
i. communications;
j. storage trailers, if required;
k. general layout and field engineering costs;
l. small tools and supplies;
m. sanitary conveniences;
n. lights and barricades;
o. first aid;
p. hook-up and distribution of temporary electric service from existing services;
q. maintenance and cleanup of project property;
r. general daily clean up;

s. touch up and repair;
t. final building clean-up;
u. dumpsters;
v. general liability insurance;
w. maintaining a secure building and site during all phases; and
x. temporary barricades to assure the safety of campus students, staff, and visitors.

A fee for testing and inspection services is to be included in the total Project construction costs. Proposers are to include this fee in their quoted not-to-exceed amount for General Conditions for Non-Personnel items for the appropriate aspect of the Project.

The College will be responsible for the following expenses:

a. water and electric connection charge;
a. gas and electric consumption charges;
b. cost of water consumption charges (CM at Risk to provide temporary hook-up and distribution as required); and
c. building and utility permits.

2.43 COSTS NOT TO BE REIMBURSED

Offeror's Price Proposal shall not include the items listed below in their Non-Personnel Reimbursable Costs:

a. Salaries and other compensation of the CM at Risk's personnel stationed at the CM at Risk's principal office or offices other than the site office;
b. Expenses of the CM at Risk's principal office and offices other than the site office;
c. Overhead and general expenses, except as may be expressly included in Section 2.40;
d. The CM at Risk's capital expenses, including interest on the CM at Risk's capital employed for the Work;
e. Except as provided in Section 2.40.D, costs due to the negligence or failure of the CM at Risk, Subcontractors and suppliers or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable to fulfill a specific responsibility of the Contract;
f. Any cost not specifically and expressly described in Section 2.40;
g. Costs, other than costs included in Change Orders approved by the Owner, that would cause the Guaranteed Maximum Price to be exceeded; and
h. Costs for services incurred during the Preconstruction Phase.

2.44 ACCOUNTING RECORDS

The CM at Risk shall keep full and detailed records and accounts related to the cost of the Work and exercise such controls as may be necessary for proper financial management under this Contract and to substantiate all costs incurred. The accounting and control systems shall be satisfactory to the College. The College and the College's auditors shall, during regular business hours and upon reasonable notice, be afforded access to, and shall be permitted to audit and copy, the CM at Risk's records and accounts,

including complete documentation supporting accounting entries, books, correspondence, instructions, drawings, receipts, subcontracts, Subcontractor's proposals, purchase orders, vouchers, memoranda, and other data relating to this Contract. The CM at Risk shall preserve these records for a period of three years after final payment, or for such longer period as may be required by law.

2.45 PAYMENTS TO CM AT RISK

All payment applications must be submitted to and approved by the A/E and the College prior to College payment.

Preconstruction CM at Risk Services

The CM at Risk will be paid for the approved monthly preconstruction management's fee earned. Application for payment shall be submitted on/or about the 25th day of each month. The initial application shall be submitted no earlier than thirty (30) days after commencement of services. Payment requests are to be submitted on College approved forms. Monthly payments shall be equal to the fixed fee divided by the number of months the Preconstruction Phase services are scheduled to be provided.

Construction Phase CM at Risk Services

Payments of the Construction CM at Risk Fee shall be made on the evaluation of Work accomplished. The CM at Risk will be paid for the approved monthly construction fee earned which shall be the percentage of the fee which is equal to the percentage of the Work which is approved for payment. Application for payment shall be submitted on/or about the 25th day of each month. The initial application shall be submitted no earlier than thirty (30) days after commencement of service.

Trade-Contracts, Equipment Rentals, and Material Payment

No markup for overhead or profit will be charged by the CM at Risk for Trade or subcontracts, equipment purchases or rentals, and material payments. Prompt progress payments to trade or subcontractors shall be administered in accordance with the Montgomery College General Conditions; that is, 95% of the Subcontract, Equipment Rentals and Material Payment invoices will be paid with 5% being withheld as retainage to assure faithful performance of the contract.

Reimbursables under General Conditions Not to Exceed Fee

General Conditions not to exceed fee expenditures shall be approved by the College prior to the provision of said services. Application for payment shall be submitted on/or about the 25th day of each month. The initial application shall be submitted no earlier than thirty (30) days after commencement of service. Payment of approved reimbursable items will be made on a monthly basis with no retainage applicable.

Net terms of payment

Payments to the CM at Risk fee pursuant to this Contract shall be made no later than thirty (30) days after the College's receipt of a proper invoice from the CM at Risk. Charges for the payment of invoices, other than as prescribed by Title 15, Subtitle 1 of the State Finance and Procurement Article of the Annotated Code of Maryland or by the Public Service Commission or Maryland with respect to regulated public utilities, as applicable, are prohibited.

SECTION 2 – SCOPE OF SERVICES

2.46 BID BOND

If the Proposer's Price Proposal is found responsive, and the total Price Proposal is $100,000 or more, each Proposer shall furnish with the price proposal a "bid bond" issued by a surety company licensed to issue bonds in the State of Maryland. The bond must be in an amount not less than five percent (5%) of the total amount of the price proposal (sum of the fees and reimbursable expenses) and shall be in the form specified. Bid Bonds shall remain in effect a minimum of ninety (90) days from the due date of the Price Proposals, corresponding with the irrevocable time period for the Price Proposal.

Acceptable security shall be limited to: a) a bond in a form satisfactory to the College underwritten by a surety company authorized to do business in the State; b) a bank certified check, bank cashier's check, bank treasurer's check, cash, or trust account; and c) pledges of securities backed by full faith and credit of the United States government or bonds issued by the State of Maryland.

Should the Proposer to whom the contract is awarded fail or be unable to execute the contract, for any reason, within ten (10) days after notification of award, then an amount equal to the difference between the accepted price, and that of the Proposer to whom the award subsequently is made shall be paid to the College as damages.

The successful Proposer shall also be required to furnish a second bid bond, issued by a surety company licensed to issue bonds in the State of Maryland, in an amount not less than five percent (5%) of the total amount of the GMP Proposal. This bid bond shall also be provided on the form found in the RFP herein. The bid bond will remain in effect for a period of 120 calendar days from the date of submission of the GMP Proposal unless extended in accordance with this RFP. The scheduled return date for this bid bond will be ten days after Owner acceptance of the GMP Proposal.

At the time of presentation of the GMP proposal, the CM at Risk will be required to comply with proposal security requirements. Should the Contractor fail to execute the Contract Amendments as required, then an amount equal to the difference between the accepted price and that of the person or entity who serves as CM at Risk subsequently shall be paid to the College as damages.

2.47 PERFORMANCE AND PAYMENT BOND

The Proposer to whom a contract in excess of $100,000 is awarded also must furnish Performance and Payment Bonds, each in the amount of one hundred percent (100%) of the Construction Phase fee, including executed Change Orders, in the form specified. The bid and performance and payment bonds for the Construction Phase must be provided at the time of the signing of the contract and prior to the start of any work. It should be noted that as part of the Price Proposal, a Proposer must indicate its capability of obtaining the necessary bonds.

The successful Proposer shall also be required to furnish, upon notification of the College’s intent to accept the GMP Proposal, a performance and payment bond in the amount of one hundred percent (100%) of the GMP. The cost of these bonds shall be incorporated by the CM at Risk into the GMP. Performance and payment bonds shall be provided on the form referenced in the RFP herein.

SECTION 2 – SCOPE OF SERVICES

2.48 MAINTENANCE BOND

The College may require the CM at Risk to provide a Maintenance Bond for the correction and warranty period(s) equal to the amount of 50 percent of the performance bond for a period of one (1) year from the date of Substantial Completion and 15 percent of the performance bond for the second year from the date of Substantial Completion. Such bond will indicate Montgomery College as the Obligee and the CM at Risk as the Principal.

The CM at Risk shall, for a period of two (2) years from and after the date of Substantial Completion and acceptance of same by the College, replace any and all defects arising from the Work, whether resulting from defective materials or defective workmanship, after such period this obligation shall be null and void; otherwise, it will remain in full force and effect.

2.49 LIQUIDATED DAMAGES

In the event the CM at Risk fails to complete the construction phase work by the Contract date for Substantial Completion, the CM at Risk shall pay to the College the sum indicated as specified in the "General Terms and Conditions of the Contract", not as a penalty, but as liquidated damages.

Liquidated Damages: <u>One Thousand Dollars ($1,000.00) per calendar day late.</u>

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SECTION 3 – TECHNICAL PROPOSAL SUBMITTAL FORMAT

3.1 INTRODUCTION

Submit all proposals in accordance with the format listed below. If the College form templates are NOT provided in Section 4 and other places of the RFP documents, Proposers can use their own format(s). Proposers should describe in detail and provide evidence supporting the qualifications requested below. Conciseness and clarity of content are emphasized and encouraged. Vague and general proposals will be considered non-responsive and result in disqualification. Proposals not conforming to the format, or non-responsive to the specific proposal request, may be rejected at the discretion of the College.

3.2 ORGANIZATION OF TECHNICAL PROPOSAL

Technical proposals must be organized in the following format:

Technical Proposal

- Title page
- Profile of the Proposer
- Contractor Qualification Statement including Financial Statements
- Understanding of the Project
- Project Approach
- Project Challenge
- CM at Risk Firm Relevant Experience
- Key Supervisory Personnel
- CM at Risk Team
- On Site Project Team Anticipated Number of Hours During Construction
- Scheduling and Cost Control
- Safety Plan
- Economic Impact
- Project Cost and Schedule Statement
- Affidavit of Accuracy Form
- Acknowledgement of Addenda
- Conflict of Interest Statement
- Non-Debarment Acknowledgement
- Ethics Statement
- Bid/Proposal affidavit
- MBE Participation Form
- Contractor's license and business registration with State of Maryland in good standing
- Verification of Examination of Site Conditions
- Exceptions to the Form of Contract, Montgomery College General and Supplementary Conditions of the Contract, or any deviations to the other RFP requirements, if applicable

Failure to include all the documents may render the proposal non-responsive and the offer may be rejected.

SECTION 3 – TECHNICAL PROPOSAL SUBMITTAL FORMAT

3.3 TITLE PAGE

The title page must be on company letterhead and should include the name and address of the firm submitting the proposal, a contact person at the firm for the proposal, including complete telephone and email contact information, and the date of submission. The page should also state the RFP title and bid number.

3.4 PROFILE OF PROPOSER

All services furnished under this contract shall be from construction management firms that are currently licensed as required by the Construction License requirements contained in Title 17, Subtitle 6 of the Business Regulation Article of the Annotated Code of Maryland. Additionally, firms must be bonded and insured as required by the provisions of this RFP. Proper documentation shall be included with the proposal response. Failure to provide such proof may result in the firm being determined to be non-responsive and not eligible for award.

Provide a brief but informative history (i.e., date established, type of work initially done, type of clients, how company has grown, etc.) of the firm inclusive of the year in which the firm commenced providing Construction Management at Risk services. Provide summary information on your firm's specific background in doing CM at Risk projects, including any percentage of work done by the proposing firm constructing higher education project utilizing the CM at Risk method and applicable project experience other than the projects submitted. <u>It should be noted that the College does not want a list of every higher education project constructed by the firm</u>. Only those projects provide significant additional information about the firm's experience should be included. Firms are cautioned that the inclusion of irrelevant projects will not be favorably considered.

Provide information related to the size of the firm inclusive of the number of employees and the breakdown among supervisory and non-supervisory. If the Proposer is a local office of a parent company, please also provide an employee breakdown specific to the local office and note in which office the proposed key personnel are located.

Complete the "Annual Sales Volume/Completed Projects form" on a per year basis for the last three (3) years and indicate what percentage of such work is CM at Risk, GC, or other; name and state the largest project and largest CM at Risk project for each year by dollar value. This information is to be provided for the responsible branch office only, not the parent organization, if applicable.

Submit a list of "Current Workload", listing current projects for which the firm is committed, the dollar volume of each project, and the construction dates for each project. This information is to be provided for the responsible branch office only, not the parent organization, unless the parent organization is the Proposer.

Proposers must also include a statement indicating the capability of the firm to obtain the necessary bonds required in the RFP.

Joint ventures

If the Proposer is a joint venture firm, the Proposer must provide all identification information for all parties and all requirements for all parties (i.e., licenses, insurance, etc.) as specified. Additionally, all other information requested shall be provided on all parties. As part of the technical proposal submission, the Proposer must identify the responsibilities of each joint venture party with respect to the scope of services/work inclusive of the requirements for each entity based on such services as described in this RFP document. The information provided under this category of Profile of Proposer will be evaluated for each joint venture party based on its percentage of the joint venture firm. It should be noted that if the selected Construction Manager at Risk is a joint venture firm, all joint venture parties will be held responsible for the contract obligations separately and severally.

Joint ventures must also provide the following information: (i) history of joint venture experience for all parties; (ii) specific history of this joint venture relationship inclusive of the reasoning for the establishment of the joint venture on this project; and (iii) a listing of all joint venture parties and each party's percentage of the joint venture firm. In addition, the joint venture Proposer is to identify the responsible JV party for each of the CM at Risk services to be provided during the preconstruction and construction phases of the Project. A copy of the signed, joint venture agreement must be provided to the College for its review and approval prior to issuance of the Notice to Proceed. In addition, no changes can be made to the joint venture agreement without the written approval of the College.

Additionally, it should be noted that if the Proposer is a joint venture firm, of the three (3) projects submitted as relevant experience, a minimum of two (2) projects must be from the majority joint venture party.

3.5 CONTRACTOR QUALIFICATION STATEMENT AND FINANCIAL STATEMENTS

The signed original Contractor Qualification Statement must be included in each Technical Proposal submission. Please attach additional/separate pages as necessary to the Qualification Statement in case of insufficient space, or to reproduce the Qualifications Statement form in Microsoft Word or other editable format, so that answers could be inserted between the questions.

Financial Statements

Offerors shall submit graphic, narrative, and documentary material to clearly demonstrate qualifications, financial responsibility, and performance capability of the CM at Risk's Team. This shall include evidence from bonding company indicating total bonding capacity and current available bonding capacity. **Do not include any information which would reveal the Offeror's actual Bid Price of the Project.** Additionally, compiled Financial Statements shall be provided for 2023 and 2024, or 2022 and 2023, if 2024 Financial Statements are not yet finalized at the time of Proposal submission deadline.

Generally, audited financial statements are preferred. Additionally, draft statements for 2024 are acceptable if 2024 statements have not been finalized. The financial statement may be inserted in a separate envelope clearly labeled "FINANCIAL STATEMENT – CONFIDENTIAL" and include the Offeror's name, if the Offeror prefers to submit in this manner. All statements provided in this section must be current and will be destroyed upon conclusion of the selection process.

SECTION 3 – TECHNICAL PROPOSAL SUBMITTAL FORMAT

3.6 UNDERSTANDING OF THE PROJECT

Provide a brief explanation of the Team's understanding of the project that indicates general key considerations for preconstruction and construction, including overall challenges, scheduling factors, and other potentially complex aspects particular to this project.

3.7 PROJECT APPROACH

Explain the Team's plan to execute the Work, including sequencing and major trades.

3.8 PROJECT CHALLENGE

Select one unique aspect of this project which your CM at Risk Team finds to be the most challenging. Describe this aspect and explain why the team finds it to be the most challenging. Present information as to how the team would address the issue to fulfill the intent of the Project.

3.9 CM at RISK FIRM RELEVANT EXPERIENCE

Proposers are to submit information on a total of three (3) similar or relevant projects. Proposers are encouraged to provide project photographs with the description on the same or opposing page for each of the three (3) projects.

All projects must have been constructed in the last ten (10) years based on the project completion date, with higher consideration given to projects less than five (5) years old. Additionally, the projects must have been completed by the proposing firm as the prime project contractor. These criteria must be met in order for a project to be considered as relevant experience.

Projects should clearly demonstrate a firm's experience with projects of similar complexity and using the same project delivery method, including some of the following aspects: construction in higher education environments; adjacent existing areas remaining operational during construction; library renovations; coordinating with other contractors hired by the College; MEPFP installation; and site constraints.

The following criteria will also be considered in the assessment of each of the three submitted projects. Firms are to carefully consider these additional criteria when determining which projects to provide in the proposal to demonstrate experience.

a. Higher education experience;
b. Library renovations;
c. Coordinating with other contractors hired by the Owner, in this case the College;
d. Experience with regulatory agencies;
e. State and Montgomery County funded project experience;
f. Experience with constructing projects within the Montgomery County permitting system;
g. Experience with projects of similar scope, size, and costs (defined as construction projects of a minimum cost of $15 million to $20 million);
h. Projects done utilizing the CM at Risk method.

SECTION 3 – TECHNICAL PROPOSAL SUBMITTAL FORMAT

The Construction Management at Risk or Construction Management with GMP contract methods are synonymous and are defined to be that contract method in which the Construction Manager at Risk is retained to provide preconstruction and construction services to the Owner inclusive of constructing the facility under a guaranteed maximum price. Higher education is defined as an educational institution (college or university) that awards two-year or higher degrees.

All proposers should submit their three (3) most recent projects that best reflect the size, type, schedule, and CM at Risk services required under this RFP. Higher consideration will also be given if the Project Executive, Project Manager, Field Superintendent, or Chief Estimator performed the same role on any of the submitted projects. Additionally, if the firm has previously done work at Montgomery College, only one of the three projects provided may be at the College regardless of how many projects the firm has worked on.

Firm References

Provide a reference contact for the three (3) similar or relevant projects, including contact name, address, telephone number, and email for each reference. Please be sure that accurate information is provided and that the contact person is capable of speaking to the firm's capability in performing the services required.

The College reserves the right to verify all information provided, as well as to check any other sources available or to use itself as a reference, if not provided by the Proposer.

Firms are also to provide two (2) additional project references, including name of project owner, contact name, phone number, and email. It is anticipated that these additional references will be used only in the event the College is unable to contact one or more of the three projects provided. Please include with these references, a list of applicable projects with a brief description of each inclusive of dollar size and date completed.

3.10 KEY SUPERVISORY PERSONNEL

By submitting the individuals for consideration as key personnel, the Proposer is committing these individuals to the College for the duration of the contract, if awarded the contract. Should circumstances necessitate a personnel change, the CM at Risk shall submit a written change request to replace key personnel. All personnel change request shall include sufficient information to demonstrate that the proposed individual meets or exceeds the qualifications of the Key Personnel to be replaced. No personnel changes will be permitted by the College without prior written authorization.

Within this category, key supervisory personnel as defined by the College are the Project Executive, Quality Control Supervisor, the Project Manager, the Field Superintendent, and the Chief Estimator. These key people MUST be direct employees of the proposing firm.

Project Executive: Senior level position from CM at Risk, such as Vice President, who will oversee the project from an executive level and to whom the CM at Risk Project Manager directly reports.

Quality Control Supervisor: Person from the CM at Risk firm with substantial field experience. The primary duty is to ensure quality of installation. Quality Control Supervisor should be on site 20% during the construction phase.

Project Manager: Person from CM at Risk firm who will be involved on a continual basis from commencement of the contract until construction completion. This person will be responsible for the overall management of the CM at Risk team and the completion of the project. Additionally, the Project Manager must be on site 100% during the construction phase. It should be noted that some Proposers may wish to have separate Project Managers for preconstruction and construction. This arrangement is not acceptable, as the College requires there to be only one Project Manager for the entire project.

Field Superintendent: Person from the CM at Risk firm who is responsible for the direct supervision of the trade contractors, daily coordination of the work on site to maintain the schedule, on-site management, such as material deliveries, outages, etc. This person must be on site 100% of their time upon the commencement of the construction phase.

Chief Estimator: Person from the CM at Risk firm who will be directly responsible for preparing, testing in the marketplace, explaining, and defending the estimates. It should be noted that this is to be the person who will be directly preparing the estimate, not the head of the estimating department who will be overseeing and managing the process.

Organizational chart
Proposers shall provide an organizational chart for this project including the names of the key supervisory personnel listed above to be assigned to this project, if awarded.

Key Supervisory Personnel form
A Key Supervisory Personnel form shall be submitted for each individual. Additionally, on the page opposite to or behind the Key Personnel form of each individual, please show the corporate organizational chart for this project and highlight where this person is positioned in the organization.

The following information shall be provided for each of the Key Supervisory Personnel:

a. educational background;
b. work experience with the proposing CM at Risk firm inclusive dates of employment and positions held;
c. work experience with prior employers including dates of employment and positions held; and
d. Specific project experience relating to the construction of academic buildings of similar scale and cost and the role this person played and duration of involvement in each selected project with higher consideration to be given if the role is the same as to be assigned on the College project.

A minimum of three (3) projects are to be listed for each person. A brief description of the project should be given, if not provided elsewhere in the technical proposal, inclusive of the type of work performed

(i.e., renovation, new construction, addition, etc.), dollar volume of project, contract method (CM, GC, DB, etc.), schedule of the job, and names of A/E and Prime Contractor. Additionally, for the Chief Estimator, list the original budget and final budget cost for each project listed.

It should be noted that higher consideration will be given if the Project Executive, Quality Control Supervisor, Project Manager, Field Superintendent, and Chief Estimator have experience with construction in a higher education environment. Higher consideration will also be given if the Project Executive, Quality Control Supervisor, Project Manager, Field Superintendent, or Chief Estimator have previously worked together successfully on higher education projects.

Allocation of responsibility and time commitment for project

The College would like to understand the allocation of responsibility between the key personnel in the management of the Project. Proposers should note for each individual any of the following items, under headings of preconstruction and construction, which a responsibility for that person:

Preconstruction: design review, constructability issues, cost model/estimates, value engineering, schedule, and GMP preparation; and

Construction: schedule, trade contract awards/management, quality assurance/ inspections, shop drawing review/processing, change order review/processing, meetings (progress and Owner), requests for information, substitution requests, cost control, project safety, monthly reports, and claims resolution.

Additionally, specify the percentage of time and anticipated number of hours committed to this project by each of the key personnel during both the preconstruction and the construction phases. It should be noted that if 50%-time commitment is indicated, this is understood to mean 20 hours per week for the duration of the phase noted.

Key supervisory personnel references

On each Key Personnel form, provide three (3) project references for each of the proposed key people inclusive of contact person, phone number, and name of applicable project. These references must be project references from projects listed on the individual's project experience, not employment references, as the College is interested in speaking to a Project Owner or A/E regarding the individual's performance on a particular project. References are to be from different projects; only one reference per project is allowed. Additionally, if the individual has previously done work at Montgomery College, only one of the three references may be from a project at the College, regardless of how many projects the individual has worked on. Proposers must ensure that information provided is accurate and complete, and that the reference is able to speak to the individual's performance in the role to be assigned on this project.

The College reserves the right to check other sources available or to use itself as a reference, even if not provided by the Proposer.

SECTION 3 – TECHNICAL PROPOSAL SUBMITTAL FORMAT

3.11 CM at RISK TEAM

Proposers should indicate why this particular team is a strong team and for this project. The College is interested in understanding the prior working relationships between the team members, the support that will be provided by other key personnel, as well as the anticipated staffing through the various phases for the project.

Other key personnel

Proposers should provide additional information about individuals that will be involved in a significant role on the team for this project. Submit documentation for other significant personnel, such as any Project Engineers, as deemed appropriate by the Proposer. The College stresses that these individuals should be significantly involved in the Project, as the College is not interested in a listing of all other personnel from the CM at Risk firm that may have an insignificant role in the Project.

Working relationships

Complete a "Working Relationships of CM at Risk Key Personnel form" on all named CM at Risk Key Personnel. Complete this form fully so as to convey the previous working relationships between and among the proposed CM at Risk team members.

Basis for selection

Complete the "Basis for Selection Form" to include reasons that the specific individuals were chosen as the Project Executive, Project Manager, Field Superintendent, BIM Coordinator, Chief Estimator, and other key personnel on the proposed CM at Risk team.

3.12 ANTICIPATED TOTAL HOURS

Complete the "Anticipated Total Hours Form" for on-site staff during the construction phase.

3.13 QUALITY, SCHEDULING AND COST CONTROL

Describe the Management Plan and Quality Control procedures to be used to meet the requirements of this project. Include a description of the firm's methods of planning, organizing, scheduling, controlling, and coordinating the total project effort. Include the firm's procedures to be used during preconstruction to guarantee technically accurate plans, specifications, and cost estimates. Highlight the methods that are used during construction to assure subcontractors adhere to the schedule. Describe the methods used to ensure that the project will remain within budget. Provide the estimate used on one of the example projects and describe how the estimate was developed and summarize how the final construction cost related to the estimate. Finally, include a draft schedule for all phases of the project including critical milestones. The College anticipates an aggressive construction schedule to meet academic scheduling timelines. What aspects of the project can be phased? Is this construction period feasible? In the creation of this schedule, assume that all approvals by authorities having jurisdiction and governmental agencies will be completed as quickly as possible.

3.14 SAFETY PLAN

Generally, provide an overview of the firm's safety plan and the process for implementing safety plans

on-site. What training is provided for on-site staff? How is safety supervised and enforced for subcontractors? What unique safety considerations exist on campus environments? Is a subcontracting firm's safety record reviewed as part of the bid process? Are there any requirements for certified safety personnel to be on-site? Who will be the primary safety officer for the project? Has your firm received any OSHA violations in the past three years? If so, please explain the circumstances and the corrective action taken.

3.15 ECONOMIC IMPACT

Provide a detailed, but concise, overall description as to how the award of this contract will benefit the economy of the State of Maryland if your firm is the successful CM at Risk. Such items may include, but are not limited to, (i) contract dollars to be recycled into Maryland's economy in support of this contract, through the use of Maryland subcontractors, suppliers, and joint venture partners; (ii) the number and type of jobs for Maryland residents resulting from the contract; (iii) tax revenues to be generated for Maryland and its political subdivisions; and (iv) subcontract dollars committed to Maryland small businesses and MBE's. Describe the firm's approach to obtaining maximum participation of local businesses in the Project.

3.16 PROJECT CONSTRUCTION COSTS AND SCHEDULE

In order to be considered responsive, the Proposer must either agree with or take exception (i) to the Project Construction Costs as indicated in the Request for Proposal documents; and (ii) to the time frames for preconstruction/design, inclusive of the CM at Risk GMP preparation/submittal, and for the construction phase.

Firms wishing to argue for a higher Project Construction Costs or adjusted Project Calendar must do so convincingly and provide sufficient evidence to support their argument and include appropriate documentation in the technical proposal envelope. If a Proposer does not take exception in its technical proposal, the College assumes the Proposer accepts the Project Construction Costs and Project Calendar.

If a higher Project Construction Cost or adjusted Project Time Frame is proposed, the College, in consultation with the project designers, will make the final determination for the Project Construction Costs and Project Calendar for purposes of the RFP process.

Firms will neither be rewarded nor penalized in any way in the evaluation of their Technical Proposal for initially arguing with or accepting the Project Construction Costs and Project Calendar noted in this RFP.

3.17 AFFIDAVIT OF ACCURACY FORM

Complete the Affidavit of Accuracy Form and include an original in each Technical Proposal submission.

3.18 ACKNOWLEDGMENT OF ADDENDA FORM

Offerors must acknowledge receipt of all addenda issued for this RFP. Failure to do so may result in an Offeror's proposal being rejected. Use the form provided and include in each technical proposal submission.

SECTION 3 – TECHNICAL PROPOSAL SUBMITTAL FORMAT

3.19 CONFLICT OF INTEREST STATEMENT, NON-DEBARMENT ACKNOWLEDGEMENT, ETHICS STATEMENT, BID/ PROPOSAL AFFIDAVIT

Complete the Conflict-of-Interest Statement, Non-Debarment Acknowledgement, Ethics Statement and Bid /Proposal Affidavit and include an original in each Technical Proposal submission.

3.20 MINORITY BUSINESS ENTERPRISE (MBE) PARTICIPATION

It is the policy of Montgomery College to strongly encourage minority business enterprises (MBE) to provide goods and services for the performance of College functions. Minority businesses include non-profit entities organized to promote the interests of handicapped persons, and firms that are 51% owned and controlled by a member of socially or economically disadvantaged minority groups, which include: African-Americans, Hispanics, American Indians, Alaska natives, Asians, Pacific Islanders, women, and the mentally or physically disabled. MBE participation can be achieved via MBE prime, MBE joint venture party, MBE consultants, and MBE suppliers or trade contractors.

The successful CM at Risk firm is encouraged to show MBE (MDOT certified) participation of the total contract award, inclusive of CM at Risk fees. MBE participation can be achieved by a Proposer via an MBE prime, MBE joint venture party, MBE consultants, and MBE suppliers or trade contractors.

The Offeror is encouraged to demonstrate an effort to achieve a minimum of 15% of the subcontractors or vendors anticipated to be retained by the Offeror for the College's project are minority firms. In addition, the College strongly encourages the Offeror to exceed an MBE participation level of 15%. It should NOT be construed to authorize contract awards that are fiscally disadvantageous or that confer any special privilege or status upon any business or group or individual representing a business. Offerors are to note in the submission under this category as to what MBE participation level they will commit and how this commitment will be achieved giving that all trade packages are completely bid. By submitting an MBE participation level under this category, the Offeror is committing to the College to achieve MBE participation if the firm is awarded the contract.

Proposers are to note in their Technical Proposal under this category as to what MBE participation level they will commit and how this commitment will be achieved assuming that all trade packages are completely bid. Within the technical evaluation, however, Proposers can achieve higher consideration if they exceed 15% minimum. By submitting an MBE participation level under this category, the Proposer is committing to the College to achieve MBE participation if the firm is awarded the CM at Risk contract and shall provide monthly summary updates on expenditure for MBE on a monthly basis.

3.21 VERIFICATION OF EXAMINATION OF SITE CONDITIONS

Potential Contractors shall thoroughly examine and investigate existing site conditions that may affect their pricing proposal, prior to proposal submission. **Site examination is mandatory and verification of the examination by a College representative is required.**

Offerors MUST attach the Verification of Examination of Site Conditions form, which is included in Section 4 and is to be signed by an authorized College Representative upon the completion of site examination, and include it in the Technical Proposal (Part A) submission.

SECTION 3 – TECHNICAL PROPOSAL SUBMITTAL FORMAT

3.22 EXCEPTIONS TO THE RFP REQUIREMENTS

Any exceptions to the Form of the Contract, Montgomery College General and Supplementary Conditions of the Contract, or any deviations to the other RFP requirements, if applicable must be submitted and included in the Technical Proposal for College's consideration, and subject to the College's approval.

Technical Proposal Required Submission Documents

Contractor's Qualification Statement

Preparing the Contractor's Qualification Statement for Review by Montgomery College

Most contractors maintain a generic AIA A305 form. The effort contractors spend adapting the document to our specific interests is noticed and appreciated. The suggestions provided here are intended to help improve your chances of being responsive to our requests for technical information. Our preferences are fairly specific and adherence to these preferences will expedite the review process.

Contractor qualification statements are generally reviewed by a panel consisting of five members. The purpose in using our own form is to obtain objective data in a consistent format that can be easily processed by our panel members. Unfortunately, it has been our experience that many contractors attempt to use the AIA A305 as a way to direct us to a variety of attachments that are in a unique format which are inconsistent or non-responsive to the type of information we are seeking. So, for example when the form requests the value of the contractor's current work (part 3), a somewhat typical response is "see attachment 6" which is a list of projects that may or may not be tabulated. Actually, what we are looking for in that particular space is a dollar amount, not a list. The numbers are certainly not the full story regarding contractor qualifications, but when we ask for a number, our panel members would like to see a current and accurate number in that space.

Where we do ask for project lists, we have found that some lists are more helpful than others. Although we do not require contractors to provide information in a specific format, we do expect the lists to respond to our request for certain basic information. The preferred format and content for our purposes is as follows:

1. A short, descriptive project title, e.g. "new" student center, or "addition to" or "repairs to library building", etc.
2. Owner and location of the work.
3. The name of the architect/engineer.
4. The construction contract value.
5. The year when the project was completed.

The following should be taken into consideration when compiling the project lists:

a) Since we are a college, we are particularly interested in academic institutional project experience. Highlighting those types of projects is beneficial.
b) If your project involvement was other than as the sole general contractor or construction manager, please make that clear. Thus, if you are one of multiple primes, or a member of a joint venture, or a subcontractor on the project, please make that distinction in the project title and contract value. Do not claim credit for the entire work.
c) The project lists serve as client references for our purposes. References are more highly valued when the client is a college, university or other public entity. Local references and recent references are the most relevant.
d) Project experience becomes increasingly less relevant as the projects become remote in time or distance. We would prefer a short, current and relevant project list.
e) Failure to provide the requested financials is frequently a cause for disqualification.
f) We encourage all companies to provide full and accurate information which best presents their qualifications, but please be concise. Too much data or poorly organized data can impede our review and will ultimately be counterproductive.

Finally, the presentation of material including tabs, indexes, and logical organization makes a difference to panel members who are struggling with a large volume of paper. So prepare the submittal accordingly.

Contractor's Qualification Statement

The Undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading. Information provided in this statement is for the express purpose of assisting Montgomery College in its assessment of the Bidder's suitability for providing services as a Construction Manager at Risk for the referenced project.

SUBMITTED TO: Office of Procurement
MONTGOMERY COLLEGE

ADDRESS: 9221 Corporate Boulevard
Rockville, MD 20850

SUBMITTED BY:
TITLE:

COMPANY NAME:
ADDRESS:

NAME OF PROJECT: Construction Manager at Risk
Macklin Tower (MT) Library Renovation
Rockville Campus

Type of Work (select one):
[ ] Construction Management
[ ] General Construction
[ ] HVAC
[ ] Electrical
[ ] Plumbing
[ ] Other (please specify)

1.0 ORGANIZATION

1.1 How many years has your organization been in business as a Contractor?

1.2 How many years has your organization been in business under its present business name?

1.2.1 Under what other or former names has your organization operated?

1.3 Please describe the form of your organization (i.e. corporation, partnership, individual, or other) and name the principal(s):

2.0 BUSINESS REGISTATION AND LICENSING

2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business:

2.2 Provide a copy of your organization business registration with State of Maryland and in good standing, as an attachment.

3.0 EXPERIENCE

3.1 List the categories of work that your organization normally performs with its own forces:

3.2 On a separate sheet list the major projects your organization has completed in the last three years, giving the name of the project, owner, architect, the contract amount, date of completion and percentage of cost of the work performed with your own forces.

3.3 State average annual amount of construction work performed in the last three years:

3.4 Has your organization ever failed to complete any work awarded to it?

[ ] NO [ ] YES *(attach details)*

3.5 Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers?

[ ] NO [ ] YES *(attach details)*

3.6 Has your organization filed any law suits or requested arbitration with regards to construction contracts within the last five years?

[ ] NO [ ] YES *(attach details)*

3.7 Has your organization ever been debarred from bidding on State Contracts by the Board of Public Works, or on any other Local, Municipal, County, State or Federal project?

[ ] NO [ ] YES *(attach details)*

3.8 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If the answer is yes, please attach details.)

[ ] NO [ ] YES *(attach details)*

3.9 Has your organization ever filed for bankruptcy, receivership or any other similar legal protection to protect it from default? (If the answer is yes, please attach details.)

[ ] NO [ ] YES *(attach details)*

3.10 Include a brief description of four (4) projects in Section 3.2 listing each project's size, relevant features, construction cost (including general conditions, OH&P), change order value (excluding or annotating Owner directed scope changes), anticipated schedule, actual schedule and an Owner's reference contact person's name and current telephone number.

4.0 FINANCIAL STATUS

4.1 Financial Statement

Attach copies of financial statements for the last two years, preferably audited, including your organization's balance sheet and income statement showing Current Assets, Net Fixed Assets, Other Assets, Current Liabilities and Other Liabilities. Include name and address of firm preparing attached financial statement(s), and date(s) thereof.

5.0 SIGNATURE

5.1 Dated this ____ day of _____, 2024.

Name of Organization:

_____

By:

Title:

6.0 NOTARY

6.1 _____ being duly sworn deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this _____ day of _____, 2024.

_____

Notary Public:

My Commission Expires:

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

ANTICIPATED NUMBER OF HOURS FOR ON-SITE STAFF

Company: _____

Provide anticipated number of hours for the on-site staff. Per the RFP, only those positions listed below will be considered by the College to be staff reimbursable positions.

Position	Anticipated Total Hours
Project Manager	_____
Assistant Project Manager	_____
Field Superintendent	_____
Quality Control Supervisor	_____
Project Engineer (A/S/C)	_____
Project Engineer (M/E/P)	_____
BIM Coordinator	_____
Field Secretary/Clerk	_____
Clerk/Document Control Person	_____
Close Out Engineer	_____
Field Accountant	_____
Assistant Superintendent	_____
Foreman	_____
Laborer	_____
TOTAL HOURS:	_____

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

MINORITY PARTICIPATION FORM

CONTRACTORS SHALL COMPLETE THE FOLLOWING:

I HEREBY REPRESENT THAT OUR/MY FIRM IS _____

IS NOT _____

IF YES, SELECT MINORITY CLASSIFICATION FROM THE LIST BELOW (check one):

_____ African American _____ Hispanic _____ Native American

_____ Alaskan American _____ Asian _____ Pacific Islander

_____ Woman _____ Disabled _____ Veteran

_____ LGBTQIA+ _____Other: _____

INDICATE EXPECTED MINORITY PARTICIPATION FROM SELF-PERFORMED WORK, AND/ORWORK PERFORMED BY SUBCONTRACTORS AND/OR VENDORS AS A PERCENTAGE OF TOTAL CONTRACT PRICE:

Minority Participation Expectation: _____% of Base Price Total

I hereby certify that the above information is true and correct, to the best of my knowledge and belief.

_____
Firm Name

_____
Signed Date

_____
Type or Print Name

_____
Title

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

AFFIDAVIT OF ACCURACY FORM

The undersigned swears or affirms under the penalty of perjury and upon personal knowledge that the contents of this Technical Proposal are true and correct.

_____	_____
Name of Company	Representative/Title (Signature)
_____	_____
Name of Company	Representative/Title (Print/Type)
_____	_____
Telephone number	Date

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

ACKNOWLEDGEMENT OF ADDENDA FORM

We, _____ acknowledge receipt of the following addenda:

No. _____ Dated _____

No. _____ Dated _____

No. _____ Dated _____

No. _____ Dated _____

No. _____ Dated _____

No. _____ Dated _____

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

CONFLICT OF INTEREST STATEMENT

The undersigned hereby affirms and attests that to the best of my knowledge, no Montgomery College trustee or employee, or spouse, parent, child, brother or sister of the trustee or employee, own assets in this business, and of this date, are NOT employed by Montgomery College.

Company Name: _____

Printed Name: _____

Title: _____

Signature: _____

Date: _____

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

NON-DEBARMENT ACKNOWLEDGEMENT

_____ I acknowledge that my firm has NO pending litigation and/or debarment from doing business with the State of Maryland or any of its subordinate government units and/or federal government within the past five (5) years.

_____ I acknowledge that my firm has pending litigation or has been debarred from doing business with the State of Maryland or any of its subordinate government units and/or federal government, within the past five (5) years. If so, please provide an attachment describing the pending litigation or debarment.

_____ I acknowledge none of this company's officers, directors, partners, or its employees have been convicted of bribery, attempted bribery, or conspiracy to bribe under the laws of any state or federal government; and that no member of the Montgomery College Board of Trustees or any employees of the College has any interest in the bidding company except as follows:

_____

_____

_____

As the duly authorized representative of the Offeror, I hereby certify that the above information is correct and that I will advise Montgomery College should there be a change in status.

By (Signature) _____

Name and Title _____

Witness Name and Title _____

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

ETHICS STATEMENT

In compliance with the Public Ethics Law contained in the Annotated Code of Maryland, State Government Article §15-508, I hereby affirm that no employee of or representative for our company assisted the College in the drafting of specifications, requirements, statements of work, invitation for bids or request for proposals for this procurement, nor did any individual or company who assisted in such drafting assist or represent this company, directly or indirectly, in submitting a bid or proposal for this procurement.

Company: _____

Authorized Signature: _____

Printed Name: _____

Title: _____

Date: _____

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

BID/PROPOSAL AFFIDAVIT

A. AUTHORIZED REPRESENTATIVE

I HEREBY AFFIRM THAT:

I am the (title) _____ and the duly authorized representative of (business) _____ and that I possess the legal authority to make this Affidavit on behalf of myself and the business for which I am acting.

B. CERTIFICATION REGARDING COMMERICIAL NONDISCRIMATION

The undersigned bidder hereby certifies and agrees that the following information is correct: In preparing its bid on this project, the bidder has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not engaged in "discrimination" as defined in §19-103 of the State Finance and Procurement Article of the Annotated Code of Maryland. "Discrimination" means any disadvantage, difference, distinction, or preference in the solicitation, selection, hiring, or commercial treatment of a vendor, subcontractor, or commercial customer on the basis of race, color, religion, ancestry, or national origin, sex, age, marital status, sexual orientation, or on the basis of disability or any otherwise unlawful use of characteristics regarding the vendor's, supplier's, or commercial customer's employees or owners. "Discrimination" also includes retaliating against any person or other entity for reporting any incident of "discrimination". Without limiting any other provision of the solicitation on this project, it is understood that, if the certification is false, such false certification constitutes grounds for the State to reject the bid submitted by the bidder on this project, and terminate any contract awarded based on the bid. As part of its bid or proposal, the bidder herewith submits a list of all instances within the past 4 years where there has been a final adjudicated determination in a legal or administrative proceeding in the State of Maryland that the bidder discriminated against subcontractors, vendors, suppliers, or commercial customers, and a description of the status or resolution of that determination, including any remedial action taken. Bidder agrees to comply in all respects with the State's Commercial Nondiscrimination Policy as described under Title 19 of the State Finance and Procurement Article of the Annotated Code of Maryland.

C. AFFIRMATION REGARDING BRIBERY CONVICTIONS

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business (as is defined in Section 16-101(b) of the State Finance and Procurement Article of the Annotated Code of Maryland), or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities including obtaining or performing contracts with public bodies has been convicted of, or has had probation before judgment imposed pursuant to Criminal Procedure Article, §6-220, Annotated Code of Maryland, or has pleaded nolo contendere to a charge of, bribery, attempted bribery, or conspiracy to bribe in violation of Maryland law, or of the law of any other state or federal law, except as follows (indicate the reasons why the affirmation cannot be given and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the

sentence or disposition, the name(s) of person(s) involved, and their current positions and responsibilities with the business):

_____

_____

_____

D. AFFIRMATION REGARDING OTHER CONVICTIONS

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities including obtaining or performing contracts with public bodies, has:

(1) Been convicted under state or federal statute of:
(a) A criminal offense incident to obtaining, attempting to obtain, or performing a public or private contract; or
(b) Fraud, embezzlement, theft, forgery, falsification or destruction of records or receiving stolen property;

(2) Been convicted of any criminal violation of a state or federal antitrust statute;

(3) Been convicted under the provisions of Title 18 of the United States Code for violation of the Racketeer Influenced and Corrupt Organization Act, 18 U.S.C. §1961 et seq., or the Mail Fraud Act, 18 U.S.C. §1341 et seq., for acts in connection with the submission of bids or proposals for a public or private contract;

(4) Been convicted of a violation of the State Minority Business Enterprise Law, §14-308 of the State Finance and Procurement Article of the Annotated Code of Maryland;

(5) Been convicted of a violation of §11-205.1 of the State Finance and Procurement Article of the Annotated Code of Maryland;

(6) Been convicted of conspiracy to commit any act or omission that would constitute grounds for conviction or liability under any law or statute described in subsections (1)—(5) above;

(7) Been found civilly liable under a state or federal antitrust statute for acts or omissions in connection with the submission of bids or proposals for a public or private contract;

(8) Been found in a final adjudicated decision to have violated the Commercial Nondiscrimination Policy under Title 19 of the State Finance and Procurement Article of the Annotated Code of Maryland with regard to a public or private contract; or

(9) Admitted in writing or under oath, during the course of an official investigation or other proceedings, acts or omissions that would constitute grounds for conviction or liability under any law or statute

described in §§B and C and subsections D(1)—(8) above, except as follows (indicate reasons why the affirmations cannot be given, and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the sentence or disposition, the name(s) of the person(s) involved and their current positions and responsibilities with the business, and the status of any debarment):

_____

_____

_____

E. AFFIRMATION REGARDING DEBARMENT

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities, including obtaining or performing contracts with public bodies, has ever been suspended or debarred (including being issued a limited denial of participation) by any public entity, except as follows (list each debarment or suspension providing the dates of the suspension or debarment, the name of the public entity and the status of the proceedings, the name(s) of the person(s) involved and their current positions and responsibilities with the business, the grounds of the debarment or suspension, and the details of each person's involvement in any activity that formed the grounds of the debarment or suspension).

_____

_____

_____

F. AFFIRMATION REGARDING DEBARMENT OF OTHER ENTITIES

I FURTHER AFFIRM THAT:

(1) The business was not established and it does not operate in a manner designed to evade the application of or defeat the purpose of debarment pursuant to Sections 16-101, et seq., of the State Finance and Procurement Article of the Annotated Code of Maryland; and

(2) The business is not a successor, assignee, subsidiary, or affiliate of a suspended or debarred business, except as follows (you must indicate the reasons why the affirmations cannot be given without qualification):

_____

_____

G. SUB-CONTRACT AFFIRMATION

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, has knowingly

entered into a contract with a public body under which a person debarred or suspended under Title 16 of the State Finance and Procurement Article of the Annotated Code of Maryland will provide, directly or indirectly, supplies, services, architectural services, construction related services, leases of real property, or construction.

H. AFFIRMATION REGARDING COLLUSION

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business has:

(1) Agreed, conspired, connived, or colluded to produce a deceptive show of competition in the compilation of the accompanying bid or offer that is being submitted;

(2) In any manner, directly or indirectly, entered into any agreement of any kind to fix the bid price or price proposal of the Bidder or Offeror or of any competitor, or otherwise taken any action in restraint of free competitive bidding in connection with the contract for which the accompanying bid or offer is submitted.

I. FINANCIAL DISCLOSURE AFFIRMATION

I FURTHER AFFIRM THAT:

I am aware of, and the above business will comply with, the provisions of Section 13-221 of the State Finance and Procurement Article of the Annotated Code of Maryland, which require that every business that enters into contracts, leases, or other agreements with the State of Maryland or its agencies during a calendar year under which the business is to receive in the aggregate $100,000 or more shall, within 30 days of the time when the aggregate value of the contracts, leases, or other agreements reaches $100,000, file with the Secretary of State of Maryland certain specified information to include disclosure of beneficial ownership of the business.

J. POLITICAL CONTRIBUTION DISCLOSURE AFFIRMATION

I FURTHER CERTIFY THAT:

I am aware of, and the above business will comply with, Election Law Article, §§14-101—14-108, Annotated Code of Maryland, which requires that every person that enters into contracts, leases, or other agreements with the State of Maryland, including its agencies or a political subdivision of the State, during a calendar year in which the person receives in the aggregate $100,000 or more shall file with the State Board of Elections a statement disclosing contributions in excess of $500 made during the reporting period to a candidate for elective office in any primary or general election.

K. DRUG AND ALCOHOL FREE WORKPLACE

I CERTIFY THAT:

(1) Terms defined in COMAR 21.11.08 shall have the same meanings when used in this certification.

(2) By submission of its bid or offer, the business, if other than an individual, certifies and agrees that, with respect to its employees to be employed under a contract resulting from this solicitation, the business shall:

   (a) Maintain a workplace free of drug and alcohol abuse during the term of the contract;

(b) Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of drugs, and the abuse of drugs or alcohol is prohibited in the business' workplace and specifying the actions that will be taken against employees for violation of these prohibitions;

(c) Prohibit its employees from working under the influence of drugs or alcohol;

(d) Not hire or assign to work on the contract anyone whom the business knows, or in the exercise of due diligence should know, currently abuses drugs or alcohol and is not actively engaged in a bona fide drug or alcohol abuse assistance or rehabilitation program;

(e) Promptly inform the appropriate law enforcement agency of every drug-related crime that occurs in its workplace if the business has observed the violation or otherwise has reliable information that a violation has occurred;

(f) Establish drug and alcohol abuse awareness programs to inform its employees about:
   (i) The dangers of drug and alcohol abuse in the workplace;
   (ii) The business' policy of maintaining a drug and alcohol free workplace;
   (iii) Any available drug and alcohol counseling, rehabilitation, and employee assistance programs; and
   (iv) The penalties that may be imposed upon employees who abuse drugs and alcohol in the workplace;

(g) Provide all employees engaged in the performance of the contract with a copy of the statement required by §K(2)(b), above;

(h) Notify its employees in the statement required by §K(2)(b), above, that as a condition of continued employment on the contract, the employee shall:
   (i) Abide by the terms of the statement; and
   (ii) Notify the employer of any criminal drug or alcohol abuse conviction for an offense occurring in the workplace not later than 5 days after a conviction;

(i) Notify the procurement officer within 10 days after receiving notice under §K(2)(h)(ii), above, or otherwise receiving actual notice of a conviction;

(j) Within 30 days after receiving notice under §K(2)(h)(ii), above, or otherwise receiving actual notice of a conviction, impose either of the following sanctions or remedial measures on any employee who is convicted of a drug or alcohol abuse offense occurring in the workplace:
   (i) Take appropriate personnel action against an employee, up to and including termination; or
   (ii) Require an employee to satisfactorily participate in a bona fide drug or alcohol abuse assistance or rehabilitation program; and

(k) Make a good faith effort to maintain a drug and alcohol-free workplace through implementation of §K(2)(a)—(j), above.

(3) If the business is an individual, the individual shall certify and agree as set forth in §K(4), below, that the individual shall not engage in the unlawful manufacture, distribution, dispensing, possession, or use of drugs or the abuse of drugs or alcohol in the performance of the contract.

(4) I acknowledge and agree that:
   (a) The award of the contract is conditional upon compliance with COMAR 21.11.08 and this certification;
   (b) The violation of the provisions of COMAR 21.11.08 or this certification shall be cause to suspend payments under, or terminate the contract for default under COMAR 21.07.01.11 or 21.07.03.15, as applicable; and
   (c) The violation of the provisions of COMAR 21.11.08 or this certification in connection with the contract may, in the exercise of the discretion of the Board of Public Works, result in suspension and debarment of the business under COMAR 21.08.03.

L. CERTIFICATION OF CORPORATION REGISTRATION AND TAX PAYMENT

I FURTHER AFFIRM THAT:

(1) The business named above is a (domestic ___) (foreign ___) corporation registered in accordance with the Corporations and Associations Article, Annotated Code of Maryland, and that it is in good standing and has filed all of its annual reports, together with filing fees, with the Maryland State Department of Assessments and Taxation, and that the name and address of its resident agent filed with the Department of Taxation is:
   Name: _____ Address: _____
   (if not applicable, so state).

(2) Except as validly contested, the business has paid, or has arranged for payment of, all taxes due the State of Maryland and has filed all required returns and reports with the Comptroller of the Treasury, the State Department of Assessments and Taxation, and the Department of Labor, Licensing, and Regulation, as applicable, and will have paid all withholding taxes due the State of Maryland prior to final settlement.

M. CONTINGENT FEES

I FURTHER AFFIRM THAT:

The business has not employed or retained any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency working for the business, to solicit or secure the Contract, and that the business has not paid or agreed to pay any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency, any fee or any other consideration contingent on the making of the Contract.

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

N. ACKNOWLEDGEMENT

I ACKNOWLEDGE THAT this Affidavit is to be furnished to the Procurement Officer and may be distributed to units of: (1) the State of Maryland; (2) counties or other subdivisions of the State of Maryland; (3) other states; and (4) the federal government. I further acknowledge that this Affidavit is subject to applicable laws of the United States and the State of Maryland, both criminal and civil, and that nothing in this Affidavit or any contract resulting from the submission of this bid or proposal shall be construed to supersede, amend, modify or waive, on behalf of the State of Maryland, or any unit of the State of Maryland having jurisdiction, the exercise of any statutory right or remedy conferred by the Constitution and the laws of Maryland with respect to any misrepresentation made or any violation of the obligations, terms and covenants undertaken by the above business with respect to (1) this Affidavit, (2) the contract, and (3) other Affidavits comprising part of the contract.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

Date: _____ By: _____ (Authorized Representative and Affiant)

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

VERIFICATION OF EXAMINATION OF SITE CONDITIONS

This form must be completed and included with the Technical Proposal Form (Part A) submission.

The undersigned hereby certifies the completion of examination of the site conditions on

_____, 2024.

_____ _____
Date **Company Name**

_____
Address

_____
Telephone Number

_____
Facsimile Number

_____
Name & Title (Print)

_____
Email Address

_____
Signature

Site examination inspection confirmed by College Representative:

_____ _____
Date **College Representative Name & Position**

_____
Signature

SECTION 4 – TECHNICAL PROPOSAL REQUIRED SUBMISSION DOCUMENTS

PROCUREMENT OFFICE QUESTIONNAIRE
(APPLICABLE ONLY IF NO BID)

MONTGOMERY COLLEGE
Procurement Office

Please be advised that our company **does not** wish to submit a proposal in response to the above-captioned Request for Proposal for the following reasons:

- ☐ Too Busy at this time
- ☐ Not engaged in this type of work
- ☐ Project too large/ small
- ☐ Cannot meet mandatory specifications (Please specify below)
- ☐ Other (Please specify)

_____

_____
SIGNATURE

_____
PRINTED NAME

_____
TITLE

_____
DATE

_____
COMPANY

_____
Address

Please return to:

Montgomery College
Procurement Office
9221 Corporate Boulevard
Rockville, Maryland 20850

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SECTION 5 – PRICE PROPOSAL FOR CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION

PRICE PROPOSAL FOR CM AT RISK SERVICES

RFP Title: Construction Manager at Risk
Macklin Tower (MT) Library Renovation
Rockville Campus

RFP Number: 625-004

NAME OF PROPOSER: _____

The undersigned hereby submits a price proposal for the Construction Management at Risk services to Montgomery College for the Macklin Tower (MT) Library Renovation project on the Rockville campus. **A fully executed bid bond in the amount of 5% of the Price Proposal and a bonding company letter shall be submitted together with this Price Proposal Form.** By submitting this price proposal, the CM at Risk agrees to be bound by the College's General Terms and Conditions, the General Conditions for Construction, the Supplementary Terms and Conditions for Construction, and comply with all insurance mandates. Having carefully examined the Request for Proposal for the above reference project, the associated documents, and addenda, and having received clarification on all items of conflict or upon which any doubt arose, the undersigned proposes to complete the work for the following guaranteed maximum price:

5.1 PRECONSTRUCTION PHASE 1:

5.1.1 Total Preconstruction Phase 1 Construction Management at Risk Fee

(In words): _____ **Dollars**

(In numbers) $_____

5.2 CONSTRUCTION PHASE 2 CM AT RISK FEE:

5.2.1 Total Construction Phase 2 Construction Management at Risk Fee for the Project inclusive of all CM costs per this RFP:

(In words): _____ **Dollars**

(In numbers) $_____

SECTION 5 – PRICE PROPOSAL FOR CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION

5.3 REIMBURSABLE ITEMS: Each Proposer is to provide not-to-exceed amounts for (i) General Conditions – On-Site Staff Reimbursables; (ii) General Conditions Non-Personnel items per the RFP ***(bonds and insurance shall be quoted separately with the balance of the General Conditions for Non-Personnel items to be a minimum of 5%)***; and (iii) CMAR-GMP Contingency for the Project.

5.3.1 GENERAL CONDITIONS – ON-SITE CM AT RISK STAFF REIMBURSABLES <u>ONLY</u> FOR THE PROJECT

5.3.1.1 Total General Conditions - On-Site CMAR Staff Reimbursables

(In words): _____ **Dollars**

(In numbers) $_____

5.3.2 GENERAL CONDITIONS FOR NON-PERSONNEL REIMBURSABLE COSTS

Note: *Firm fixed prices for bonds and insurance shall be quoted separately. The balance of the General Conditions for Non-Personnel Reimbursable costs listed in the General Conditions Non-Personnel Reimbursable Breakdown Attachment shall be quoted as a not-to-exceed amount, and a minimum of 5% of the Project Construction Cost Limit.*

<u>For the Project</u>:

5.3.2.1 Bonds:

(In words): _____ **Dollars**

(In numbers) $_____

5.3.2.2 Insurance:

(In words): _____ **Dollars**

(In numbers) $_____

5.3.2.3 Costs per General Conditions Non-Personnel Reimbursable Breakdown Attachment (may not be less than 5% of the Project Construction Cost Limit)

(In words): _____ **Dollars**

(In numbers) $_____

5.3.2.4 <u>Total Not to Exceed Non-Personnel Reimbursables</u>: (*sum of 5.3.2.1, 5.3.2.2 and 5.3.2.3*)

(In words): _____ **Dollars**

(In numbers) $_____

SECTION 5 – PRICE PROPOSAL FOR CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION

5.3.3 Total Not-to-Exceed (NTE) CM Reimbursable Costs: *(sum of 5.3.1.1 and 5.3.2.4)*

(In words): _____ **Dollars**

(In numbers) $_____

5.3.4 CMAR-GMP Contingencies: Quoted amount of this contingency for the Project which must be at least a minimum of 8% of the Project Construction Costs.

(In words): _____

(In numbers) $_____

5.4 TOTAL CM AT RISK PRICE PROPOSAL: *(sum of 5.2.1, 5.3.3 and 5.3.4)*

(In words):_____ **Dollars**

(In numbers) $_____

SECTION 5 – PRICE PROPOSAL FOR CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION

5.5 Hourly rates for on-site staff:
The hourly rates to be quoted by the CM at Risk.

Position	Hourly Rate
Project Manager	$ _____
Assistant Project Manager	$ _____
Field Superintendent	$_____
Quality Control Supervisor	$_____
Project Engineer (A/S/C)	$_____
Project Engineer (M/E/P)	$_____
BIM Coordinator	$ _____
Field Secretary/Clerk	$_____
Clerk/Document Control Person	$_____
Close Out Engineer	$_____
Field Accountant	$_____
Assistant Superintendent	$_____
Foreman	$_____
Laborer	$_____

Note: The billing rates for on-site staff positions for which prevailing wage rates apply are required to be listed herein and costs for such positions are to be included in above based on the quoted billing rates; upon issuance of the prevailing wage rates, adjustments (if any), will be made accordingly with the successful CMAR firm.

We understand that by submitting a proposal, we are agreeing that (i) the Project schedule will be met and (ii) the total hard construction cost for the Project as set forth in the Contract shall not exceed the amount of the Project Construction Costs of approximately $17,000,000. We understand that any and all savings accrued during the Construction Phase of the Project will revert to the College and CM at Risk per Section 2.14 of the RFP. We confirm that our quoted, not-to-exceed (NTE) price for the On-Site Staff Reimbursable Expenses is based on the matrix of hours provided to the College, as a minimum.

SECTION 5 – PRICE PROPOSAL FOR CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION

We understand that for any or no reason, the College at its sole discretion can decline to accept the Construction Manager at Risk GMP Proposal for a trade package or group of trade packages and can decline to amend the contract to reflect these items and the applicable Construction Phase CM at Risk fee and thereupon, without penalty, the Construction Manager at Risk agreement will terminate automatically according to its terms. We further understand that the approval by the College's Board of Trustees for the GMP amendment to the Contract, if applicable, may be withheld at its sole discretion. If such GMP amendment approval is withheld, the Contract will terminate automatically according to its terms.

If applicable, we understand that Prevailing Wages (to be provided by the College prior to the bidding of trade packages by the CM at Risk) are to be paid during the construction phase and these wages will apply on the entire Project. We understand that a Bid Bond is required with this Price Proposal. We understand that a 100% Performance and 100% Labor and Material Payment Bond are required with the issuance of any Construction Contract Amendment to incorporate trade work into the CM at Risk Contract.

We also understand that the Bid/Proposal Affidavit, MBE Participation, and proof of the Proposer's Contractor's license under Title 17, Subtitle 6, of the Business Regulation Article of the Annotated Code of Maryland provided with our Technical Proposal will remain in force under this Price Proposal phase.

We understand that the College reserves the right to award a contract (or contracts) for all items, or any parts thereof, as set forth in detail under the information furnished in the RFP document.

The Offeror represents and is a condition precedent to acceptance of this proposal, that the Offeror has not been a party to any agreement to submit a fixed or uniform price.

I hereby represent and warrant by my signature below that I am authorized to submit a binding proposal on behalf of this company.

Company Name	Printed Name
Title	Authorized signature and date

Witnessed on this__day of_____, 2024.

_____
Signature of Witness

SECTION 5 – PRICE PROPOSAL FOR CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION

ON-SITE STAFF REIMBURSABLE BREAKDOWN ATTACHMENT

PROPOSER: _____

PLEASE NOTE THE FOLLOWING:

1. This attachment is to be included with the Proposer's Price Proposal. The estimated hours are to match, at a minimum, those provided for evaluation in the Technical Proposal submission.
2. If any of the positions noted below will not be filled by the Proposer, the Proposer is to note in the space provided what position will be handling the duties associated with the unfilled position.
3. Per the RFP, due to the size and nature of this project, it is expected that these positions will perform their responsibilities on site.

POSITION	ESTIMATED HOURS	TOTAL COST
Project Manager	_____	$_____
Assistant Project Mgr.	_____	$_____
Field Superintendent	_____	$_____
Quality Control Supervisor	_____	$_____
Project Engineer (A/S/C)	_____	$_____
Project Engineer (M/E/P)	_____	$_____
BIM Coordinator	_____	$_____
Field Secretary/Clerk	_____	$_____
Clerk/Document Control	_____	$_____
Close Out Engineer	_____	$_____
Field Accountant	_____	$_____
Assistant Superintendent	_____	$_____
Foreman	_____	$_____
Laborer	_____	$_____
TOTAL HOURS*:	_____	

*Must total or exceed the number of hours provided in technical proposal.

Signer's Initials: _____

SECTION 5 – PRICE PROPOSAL FOR CM AT RISK FOR THE MACKLIN TOWER (MT) LIBRARY RENOVATION

GENERAL CONDITIONS NON-PERSONNEL REIMBURSABLE BREAKDOWN ATTACHMENT

PROPOSER: _____

PLEASE NOTE THE FOLLOWING:

1. This attachment is to be included with the Proposer's Price Proposal.
2. This attachment is per the General Conditions Attachment of the RFP documents **excluding on-site staffing** as the breakdown for such staff expenses was provided separately.
3. Bonds and Insurance shall NOT be included in the following items.

ITEM	ESTIMATED COST
A. Labor costs	$_____
B. Costs of Other Materials and Equipment, Temporary Facilities and Related Items	$_____
C. Miscellaneous Costs	$_____
D. Other Costs and Emergencies	$_____
E. Other (please itemize below):	
_____	$_____
_____	$_____
_____	$_____
_____	$_____
F. Sum of all above items (A to E)	$_____

* Sum of all above items shall not be less than 5% of the Project Construction Cost Limit.

Signer's Initials: _____

SECTION 5 – PRICE PROPOSAL SUBMISSION

BID BOND

Use AIA Document A312-2010, Bid Bond

SECTION 5 – PRICE PROPOSAL SUBMISSION

Consent of Surety Letter

Contractor shall submit **one original hard copy** and **one electronic copy** of a letter from the Offeror's bonding company stating that it guarantees it will furnish the required 100% performance and labor and material payment bonds if the Offeror is recommended for contract award. Letter provided shall NOT be generic but must be written specifically for this project.

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SECTION 6 – EVAULATION PROCESS

6.1 EVALUATION OVERVIEW

Proposals must meet the requirements as stated in the RFP document. Proposals that fail to meet one or more of the criteria may be ineligible for award. The College may make any investigations deemed necessary to determine the ability of the firm to provide the work as specified herein.

All proposals submitted will first be examined for responsiveness and completeness by the College evaluation team. Those proposals which do not clearly respond to the proposal submission requirements may be rejected at the discretion of the College. Those proposals not rejected will be evaluated to determine which offer best meets the requirements in the RFP and is in the best interest of the College. Proposal information will be evaluated and scored by the College, and its decision will be final.

The evaluation process involves a cumulative scoring process through three phases. The first phase involves the review of technical evaluation. After the completion of the technical proposal review, up to five (5) Offerors that are rated the highest scores on their technical proposals, at the sole discretion of the College, may be invited to the next round in the selection process which is an interview, and will be invited to submit a price proposal, the final phase.

In addition to the criteria specified throughout this RFP, firms shall be evaluated on the following:

1. Responsiveness to the scope of work;
2. Past performance of the firm including timely completion of projects, compliance with scope of work performed within budgetary limitations, and user satisfaction;
3. Specialized experience and technical competence in performing similar services in the past five (5) years, including qualifications of staff members who will be involved;
4. Composition of the principles and staff assigned to the performance of these services, particularly the proposed manager and immediate staff, their qualifications and experience with relevant services similar to this project;
5. Adequacy of the personnel of the firm to accomplish the proposed scope of work in the required time;
6. Firm's capacity to perform the work considering current workloads;
7. Firm's familiarity with problems applicable to this type of service;
8. References from previous clients, including size and scope of services, name, and telephone number of contact person; and
9. Price proposal.

Each phase of the process shall be weighted as follows:

Technical Proposal – 40%
Interview – 20%
Price Proposal – 40%

The College reserves the right to negotiate or modify any element of the request for proposal evaluation

process to secure the best possible arrangement for achieving the stated purpose. The College reserves the right to select the Construction Manager at Risk who brings the best value to the project team and is in the best interests of the College. The College reserves the right to make an award with or without negotiations. The final decision will not be based solely on price.

The evaluation of a Request for Proposal takes a considerable length of time. Maryland law does not permit the release of any information regarding the results of an evaluation prior to the award, regardless of when a firm's progress in the process has ended. The award date is the date of approval by the College's Board of Trustees.

6.2 TECHNICAL PROPOSALS

Technical evaluation committee members will evaluate each proposal independently, and determine the scoring and An evaluation committee will qualify and short-list all firms based on their technical proposal. Proposals cannot be modified, supplemented, cured, or changed in any way after the due date and time for technical proposals. The College reserves the right to request further information from any or all proposers during the technical evaluation process as necessary to clarify their technical proposal submission.

Technical Proposal Evaluation (40% of the overall scores)

Technical Evaluation Committee members will evaluate each proposal independently, and determine the scoring based on the following weightings and criteria:

Weighting (% of Technical Score)	Evaluation Criteria
50%	Professional qualifications and technical competence of the Offeror's CM at Risk team proposed for the performance of required services. Assessment will include Offeror's understanding of the project, key supervisory personnel, personnel relevant project experience, and profile of the Proposer.
20%	CM at Risk project experience on a total of three (3) similar or relevant projects.
20%	CM at Risk scheduling, quality management and cost control procedures.
10%	Proposed safety plan, the statement concerning one project challenge, a statement concerning the economic benefit associated with the project, statement concerning proposed construction costs and schedule, and financial qualifications.

6.3 INTERVIEWS

SECTION 6 – EVAULATION PROCESS

After completion of the evaluation of technical proposals, the College will contact shortlisted Offerors to schedule an interview at the College. The anticipated time-frame for the interviews is the week of . In the event the interviews need to be rescheduled due to any circumstances, it is expected that each short-listed Offeror shall be as flexible as possible to accommodate the College's limited schedule for the RFP evaluation process. The College requests Offerors to keep calendars as flexible as reasonably possible for the following week in case rescheduling is required. If an Offeror is unable to meet the College's rescheduling requirements, the College may proceed with the interview phase without unavailable Offeror. The College will only schedule interviews with the short-listed firms. At the time each interview is scheduled, the College will confirm, in writing, the specifics of each Offeror's session, including the date, time and location. Topics to be discussed during the interview are noted below.

It is expected that, at a minimum, the Project Executive, Project Manager, Field Superintendent, Quality Control Supervisor, and Project Estimator are required to attend. Offerors are advised to set aside the entire dates on all of these individual's calendars, as only extraordinary circumstances will be accepted for the absence of a key team member.

The interview is an opportunity for the CM at Risk team to convey their background and expertise as it applies to this project; and to address their understanding of the pre-construction and construction services required for this project. The interview also allows the College to meet the Offeror's key personnel; discuss the experience and knowledge of key personnel; review previous projects; gain insight into previous project challenges; understand the Offeror's management process, and clarify the CM at Risk scope of services for this Project.

The interview will be scheduled for 1 ½ hours in duration, with 5 minutes allocated to personal introductions and a brief overview by the College on project expectations; 60 minutes allocated to a presentation by the Offeror which specifically addresses the project scope, preconstruction activities, construction activities, schedule and site logistics, 20 minutes allocated to questions and/or requests for clarifications about the presentation, and 5 minutes for the Offeror's concluding remarks. All interviews will be recorded to provide the evaluation committee an opportunity to review and assess each interview after all interviews have been completed. Interviewees acknowledge consent to video recording of the interview unless prior written exception is provided.

Interview Evaluation (20% of the total scores)
A College Proposal Evaluation Committee will evaluate each interview and determine the scoring based on the following weightings and criteria:

Weighting (% of Interview Scores)	Evaluation Criteria
40%	Professional qualifications and technical competence of the Offeror's CM at Risk team proposed for the performance of required services. Assessment will include Offeror's understanding the project, key supervisory personnel, personnel relevant project experience, and profile of the Offeror.

20%	CM at Risk project experience for the three (3) similar or relevant projects.
20%	CM at Risk scheduling, quality management and cost control procedures.
20%	Proposed safety plan, the statement concerning one project challenge, a statement concerning the economic benefit associated with the project, statement concerning proposed construction costs and schedule, and financial qualifications.

6.4 PRICE PROPOSAL

After completion of the technical proposals and interviews, selected Proposers will be requested to submit a Price Proposal. One (1) Original hard copy and one electronic copy of Price Proposal are to be provided in a sealed envelope to the Procurement Office on the date and time specified in the RFP. The envelope shall have the Offeror's name, the project description and the RFP number prominently displayed, together with the words "RFP No. 625-004 PRICE PROPOSAL".

The Price Proposal should consist of the signed Price Proposal form and attachments as provided in this RFP, a Bid Bond for 5% of the Price Proposal and the Bonding Company Letter Guaranteeing the eequired 100% Performance Bond.

The Price Proposal shall be filled out completely in ink or typed on the Price Proposal Form. Any erasures and alterations to the Proposer's pricing shall be initialed in ink by the signer. Please note, however, that no changes, alterations, or additions to the Price Proposal Form are permitted.

The Price Proposal shall clearly indicate the maximum cost to the College for CM at Risk preconstruction and construction phase services as well as the not-to-exceed CM Reimbursable Costs per the RFP.

Proposers will be requested to provide the following in its Price Proposal:

<u>CM at Risk Fixed Fees</u>

a. CM at Risk Preconstruction Phase 1 Fee for all costs associated with providing CM at Risk services in the preconstruction phase for the Project and inclusive of pre-construction allowances for the Project; and,
b. CM at Risk Construction Phase 2 Fee

<u>CM at Risk reimbursable expenses to be quoted on a not-to-exceed basis</u>

General Conditions reimbursable expense items include CM at Risk on-site staff reimbursable costs and non-personnel items.

a. Proposers are to complete and submit the On-Site Staff Reimbursables Cost Breakdown Attachment with the Price Proposal. CM at Risk on-site staff reimbursable costs are <u>only</u> for on-site personnel during construction for the Project including costs for all applicable positions inclusive of positions (i.e., laborers, etc.) for which the prevailing wage rates will apply; adjustments at the time of issuance of prevailing wage rates, if any, will be made accordingly with the awarded CM at Risk firm.

b. The Proposer is required to provide as part of the Price Proposal form a breakdown of costs for non-personnel items. Proposers are to complete and submit the General Conditions Non-Personnel Reimbursable Breakdown Attachment and submit with the Price Proposal. General Conditions Non-Personnel reimbursable items for the Project include CM at Risk's General Liability Insurance, Builders' Risk Insurance and 100% Performance and Payment Bonds, and are to include the testing and inspection services. Firm prices for bonds and insurance are to be quoted.

It should be noted that prevailing wage rates apply to this project and that the On-Site Staff Reimbursable Breakdown and Non-Personnel General Conditions Breakdown Attachments are for informational and price analysis purposes only.

CM at Risk GMP Contingency
Amount of this contingency to be quoted by the CM at Risk but must be a minimum of 8% of the Project Construction Costs for each project.

CM hourly billing rates for the project
Base hourly rates for the applicable on-site positions during construction including those positions in which prevailing wage rates apply. These hourly rates will be the basis on which the awarded CM at Risk is reimbursed for these positions. It should be noted that the hours priced must, at a minimum, match the hours included in the Technical Proposal submission.

Price Proposals will be evaluated based on the total price inclusive of all Fixed Fees and Reimbursable Costs as noted above and indicated on the Price Proposal form for the Project. Price proposals will not be opened publicly. The College reserves the right to request a Best and Final Offer.

Price Proposal Evaluation (40% of the total scores)
Contractor's Price Proposals will be examined for responsiveness and responsibleness by the College Procurement Office based on the following:

a. Submission of Price Proposal Form with all the blanks and pricing filled out;
b. Submission of an acceptable Bid Bond or Bid Security; and
c. Bonding Company Letter Guaranteeing the Required 100% Performance Bond

The Offeror's Price Proposal with the lowest responsive and responsible Total CM at Risk Price inclusive of all Fixed Fees and Reimbursable Costs will be awarded the highest point score.

Higher proposal prices will be awarded reduced point scores, determined by ratio comparing the proposed total price to the lowest responsive and responsible proposal total price.

6.4 AWARD CONSIDERATION

SECTION 6 – EVAULATION PROCESS

Award will be recommended in the best interest of the College to the **most responsive and responsible qualified Offeror with the highest combined scores of Technical Proposal, Interview, and Price Proposal evaluation**, who can meet or exceed the terms, conditions, and specifications of this solicitation, including project delivery requirements, and subject to availability of funding. The College reserves the right to request a final and best Offer. The award is subject to the approval of the College Board of Trustees.

SECTION 7 – GENERAL AND SUPPLEMENTARY CONDITIONS OF CONTRACT

Montgomery College General Conditions of the Contract

Supplementary Conditions for Construction Manager at Risk Contract

MONTGOMERY COLLEGE
GENERAL CONDITIONS OF THE CONTRACT

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3.6 PERMITS AND LICENSES
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3.10 SITE INFORMATION, ACCESS, USE AND RESTRICTIONS
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3.10.9. Trash Removal, Salvage and Recycling
3.10.10. Project Signage
3.11 HAZARDOUS AND TOXIC SUBSTANCES
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3.11.2. Asbestos-Containing Materials
3.11.3. Environmental Litigation
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5. CONSTRUCTION BY COLLEGE OR BY SEPARATE CONTRACTORS

6. CHANGES IN THE WORK
6.1 CHANGES IN THE WORK
6.1.1 Changes
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10. CORRECTION OF WORK
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11.10 TESTING AND INSPECTION
11.11 NO WAIVER OF RIGHTS – COLLEGE'S REMEDIES CUMULATIVE – COLLEGE'S DAMAGES
11.12 REGISTRATION OF CORPORATIONS NOT INCORPORATED IN THE STATE OF MARYLAND

12. TERMINATION OF THE CONTRACT
12.1. TERMINATION FOR DEFAULT
12.2 TERMINATION FOR CONVENIENCE

ARTICLE 1 – GENERAL PROVISIONS

1.1. DEFINITIONS

1.1.1. The "Agreement" is the written contract between the College and the Contractor.

1.1.2. The "College" is Montgomery Community College or Montgomery College Foundation, Inc.

1.1.3. The "Contractor" is the person or organization having a direct contractual relationship with the College for the execution of the Work under the Contract Documents.

1.1.4. The “Contract Documents” are the Agreement, the Request for Bid or Request for Proposal, Instructions to Bidders/Offerors, Supplementary Instructions, the General Conditions, Supplementary Conditions, Preliminary Project Schedule, Drawings, Specifications, Addenda issued prior to execution of the Contract, Modifications issued after execution of the Contract, the Performance Bond, the Labor and Material Payment Bond, accepted Contractor's Bid or Proposal Form(s) and all attachments thereto received from the Contractor. The term "Contract" when used in the Specifications or Drawings shall be considered as synonymous with the term "Contract Documents".

1.1.5. The "Specifications" are the portion of the Contract Documents included in the Project Manual consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the Work, and performance of related services.

1.1.6. The "Drawings" are those enumerated in the Specifications and those incorporated in the Contract Documents as the Work progresses.

1.1.7. The "Project Manual" is the volume that includes the Specifications as well as Bidding or Proposal Requirements, Contract Form, General Conditions and Supplementary Conditions.

1.1.8. The term "Work" means all of the obligations undertaken by the Contractor pursuant to the Contract Documents. Work includes, unless specifically excepted, the furnishing of all material, labor, equipment, supplies, plant, tools, scaffolding, transportation, supervision, insurance, taxes and all other services, facilities and expenses necessary for the full performance and completion of the requirements of the Contract Documents. "Work" also means that which is produced, constructed, or built pursuant to the Contract Documents.

1.1.9. The term “Project” is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the College or by separate contractors.

1.1.10. The term "Subcontractor" means any individual, partnership, firm, corporation or business entity other than an employee of the Contractor, who has a contract with the Contractor to furnish labor, or labor and materials for the Work. The term also includes Subcontractors of a Subcontractor. The term does not include vendors who furnish materials not worked to a special design according to the Drawings and Specifications.

1.1.11. The term "Site" or "Premises" means the area or areas indicated and such additional areas or locations upon which or in which Work under this Contract is being performed together with such areas adjacent thereto, as may be designated for the Contractor's use for a specified, limited period of time by the College.

1.1.12. The "Architect/Engineer" is the person commissioned by the College to design the Work and/or provide construction-phase architectural or engineering services. If the design was performed by the College, "Architect/Engineer" shall refer to the College.

1.1.13. The term "Contract Time" or "Time" and "Completion Date" is the number of calendar days (including weekends and holidays) shown in the Contract Documents as the time allowed for completion of the Work. If a calendar date of completion is shown in the Contract Documents in lieu of the number of calendar days, the Work shall be completed on or before that date.

1.1.14. The term "Contract Sum" refers to the total sum, including authorized adjustments, allotted in the Contract Documents for the services performed by the Contractor for satisfactory completion of all of the Work required by the Contract Documents.

1.1.15. “Shop Drawings" are drawings, diagrams, schedules and other data specially prepared for the Work by the Contractor or a Subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

1.1.16. “Product Data" are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor or a Subcontractor, manufacturer, supplier or distributor to illustrate materials or equipment for some portion of the Work.

1.1.17. “Samples" are natural materials, fabricated items, equipment, devices, appliances or parts thereof as called for in the Specifications, and any other samples as may be required by the College to determine whether the kind, quality, construction, workmanship, finish, color and other characteristics of the materials, etc., proposed by the Contractor conform to the requirements of the Contract Documents. Samples shall establish the kind, quality and other required characteristics of the various parts of the Work, and all Work shall be in accordance with the accepted samples.

1.1.18. The term "Request for Information" refers to a written instrument submitted by the Contractor requesting that a clarification with respect to the Contract Documents be provided by the Architect/Engineer.

1.1.19. The term "Change Order" refers to a written instrument signed by the College which describes a directive by the College which is a change in the Work.

1.1.20. The "College's Representative" is the Vice President of Facilities or their designee.

1.1.21 The “College’s Project Manager” is(are) the person(s) or entity(ies) employed or retained by the College to provide project and construction management services, including administration of the Contract as described in Article 2. The College may exercise any power or authority of the College’s Project Manager under the Contract.

1.1.22. "Day" means a calendar day unless otherwise designated.

1.1.23. "Notice to Proceed" means a written notice to the Contractor of the date on which it shall begin the prosecution of the Work. The Contract Time shall begin to run from the starting date established in the Notice to Proceed. Notice to Proceed will be timely provided upon receipt of Contractor materials required before the start of work, including but not limited to performance, payment, labor and material bonds and insurance certificates.

1.1.24. "Written Notice" means giving of notice under the Contract by one party to the other. Unless otherwise indicated in the Contract Documents, Written Notice shall be deemed to have been duly served on the Contractor if delivered in person to the individual or to the member of the firm or to an office of the corporation to whom it is directed, or if delivered by regular or certified mail to the last business address known to the College. Written Notice shall be deemed to have been given to the College upon actual receipt of Written Notice by the College.

1.2. CONTRACT DOCUMENTS

1.2.1. Correlation and Intent of Contract Documents

1.2.1.1. The Contract Documents are complementary, and what is required by any one shall be as binding as if required by all. Their intent is to include in the scope of the Contract, at no additional cost to the College, all Work necessary for proper completion of the Work ready for continual efficient operation that is reasonably inferable from the Documents.

1.2.1.2. Prior to submitting its price, the Contractor shall obtain from the College, clarification of all questions which may have arisen as to the intent of the Contract Documents, or any conflict between two or more items in the Contract Documents. Should the Contractor fail to obtain clarification, then the College may direct that the Work proceed by any method indicated, specified or required by the Contract Documents, in the judgment of the College. The direction by the College shall not constitute the basis for a claim for extra costs by the Contractor. The Contractor acknowledges that it had the opportunity to request clarification prior to submitting its price to the College and that it is not entitled to claim extra costs as a result of failure to request such clarification.

1.2.1.3. The College's Project Manager shall make recommendations regarding the amount, quality, acceptability and fitness of the several kinds of Work and materials which are to be paid for under this Contract and shall make recommendations regarding all questions which may arise in relation to the Work and the construction thereof. The College's decision, based on the College's Project Manager's recommendation, shall be final and conclusive, except as herein otherwise expressly provided. In case any question shall arise between the parties relative to the Contract Documents, the determination or decision of the College shall be a condition precedent to the right of the Contractor to receive payment for the Work under the Contract related to such questions.

1.2.1.4. In the event of conflicts or discrepancies among the Contract Documents, interpretations will be based on the more restrictive condition in consideration of following priorities:

(1) The Request for Bid or Request for Proposal
(2) Any modifications to the Contract Documents executed after the date of the Contract, with the Modifications having the latest date having the greatest authority.
(3) The Contract.
(4) Supplementary Conditions.
(5) General Conditions.
(5) Drawings and Specifications.
(6) The Contractor's Proposal accepted by the College.

In the event of a conflict or discrepancy within the Specifications or the Drawings, or between the Drawings and the Specifications, the better quality or greater quantity of Work shall be provided in accordance with the College's interpretation.

1.2.1.5. The College's Project Manager and Architect/Engineer shall make recommendations to the College to clarify the meaning and intent of the Specifications and the Drawings where the same may be found unclear or be in dispute.

1.2.1.6. The Contractor is responsible for coordinating and completing the various parts of the Work. No part of the Work shall be left in an unfinished or incomplete condition because of a disagreement between the Contractor and Subcontractors, or between Subcontractors and the Contractor as to where the Work of one begins and ends in relation to the Work of the other. Any adjustments due to differences or conflicts which may arise between the Work of the Contractor under this Contract and the work of other contractors performing work for the College shall be determined by the College and the College's Project Manager.

1.2.1.7. Generally, the Specifications describe Work which cannot be readily indicated on the Drawings and indicate types, qualities and methods of installation of the various materials and equipment required for the Work. The Specifications are not intended to mention every item of Work which can be adequately shown on the Drawings. The Drawings are not intended to show all items of Work described or required by the Specifications even if they are of such nature that they could have been shown thereon. All materials or labor for Work which are shown on the Drawings, or are reasonably inferable there from as being necessary to produce a finished Work, shall be provided by the Contractor whether or not the Work is also expressly covered in the Specifications.

1.2.2. Specification Format

1.2.2.1. The Specifications are separated into titled sections for convenience only and not to identify the trade or craft responsible to perform the Work. The titled section shall not operate to make the College an arbitrator for the division of responsibility between Contractor and its Subcontractors, and between its Subcontractors, nor shall such sections relieve the Contractor from the responsibility for the satisfactory completion of the entire Work regardless of the division.

1.2.2.2. The General Conditions are a part of each and every section of the Specifications.

1.2.2.3. The Specifications may be abbreviated and include incomplete sentences. Omissions of words or phrases such as "the Contractor shall", "shall be", etc., are intentional; nevertheless, the requirements of the Specifications are mandatory. Omitted words or phrases shall be supplied by inference in the same manner, as they are when a "note" occurs on the Drawings.

1.2.2.4. Words in the singular shall include the plural whenever applicable, or the context so indicates.

1.2.2.5. Where "as shown", "as indicated", "as detailed" or words of similar import are used, reference is made to the Drawings accompanying the Specifications unless otherwise stated. Where "as directed", "as required", "as permitted", "as authorized", "as approved", as accepted", "as selected", or words of similar import are used, the direction, requirement, permission, authorization, approval, acceptance or selection by the College is intended unless otherwise stated. As used herein, "provide" means "provided complete in place", that is, furnished and installed and ready for operation and/or use.

1.2.3. Standard Specifications

1.2.3.1. Any reference to standard specifications of any society, institute, association or governmental authority is a reference to the standard specifications of such organization and to their methods of installation of the various materials and equipment required for the Work which are in effect at the time prices are due. It is not intended to mention every item of work described or required by the standard specifications even if they are of such nature that they could have been shown thereon. All materials or labor for work which are inferable there from, as the Contractor shall provide being necessary to produce a finished job at the date of the Contractor's price. If such specifications are revised prior to completion of any part of the work to which such revision would pertain, the Contractor may, if acceptable to the College, perform such work in accordance with the revised specifications.

1.2.3.2. The standard specifications, except as modified in the Specifications for the Project, shall have full force and effect as though printed in the Specifications.

1.2.4. Ownership

1.2.4.1. The Drawings, Specifications and other documents prepared by the Architect/Engineer, are owned by the College. Copies thereof furnished to the Contractor, are for use solely with respect to this Project.

ARTICLE 2 – COLLEGE AND COLLEGE'S AGENTS

2.1. AUTHORITY OF COLLEGE'S PROJECT MANAGER

2.1.1. The College's Project Manager has the authority to perform all of the College's functions pertaining to the conduct and administration of the Work, except as indicated in 2.1.2.

2.1.2. Unless otherwise indicated in the Contract Documents, the College's Project Manager is NOT authorized to make determinations (as opposed to recommendations) that:

2.1.2.1. Alter or modify the Contract Documents;
2.1.2.2. Alter the Contract schedule;
2.1.2.3. Approve Contract change orders;
2.1.2.4. Terminate or cancel the Contracts.

2.1.3. Unless otherwise indicated in the Contract Documents, recommendations made by the College's Project Manager, pertaining to determinations listed in 2.1.2, are changes in the work that require review, approval and further authorizing action from the College as indicated in Article 6.

2.2. RESPONSIBILITIES OF THE COLLEGE'S PROJECT MANAGER

2.2.1. The College's Project Manager shall be an agent of the College to the extent set forth in the Contract Documents. Any non-College employee in such role shall not be deemed to be the employee of the College for any purpose in connection therewith. Subject to subsection 2.1.2, the College's Project Manager shall have full authority to act, or to cause others to act, on behalf of the College to assure that the Work is carried out in full compliance with the requirements of the Contract, and to otherwise generally protect the College's interests.

2.2.2. The College's Project Manager will determine in general that the Work of the Contractor is being performed in accordance with the Contract Documents, and will use his best efforts to guard the College against defects and deficiencies in the Work of the Contractor.

2.2.3. The College's Project Manager shall provide administrative management and related services as required to coordinate the Work of the Contractor and separate contractors with each other and with the activities of the Architect/Engineer to complete the Project in accordance with the College's objectives for cost, time and quality.

2.3. RESPONSIBILITIES OF THE COLLEGE DEPARTMENT OF ENVIRONMENTAL SAFETY

2.3.1. The Montgomery College Office of Facilities and Public Safety Department of Environmental Safety is responsible for promoting a safe and healthful work environment for the Project and for verifying the Contractor's compliance with Federal and State environmental protection regulations and College safety and health practices. To carry out these responsibilities, the Department of Environmental Safety is authorized to inspect the Project, all work done and being done, and all material to be furnished and being furnished. In the event that the Department learns of an unsafe condition, the Environmental Safety Manager is authorized to suspend work (after notice to the College Project Manager and the Office of Facilities Management) until the unsafe condition is cured by the Contractor. "Unsafe condition" means any practice that represents a significant risk of injury or health hazard to College employees, a significant adverse environmental impact, or a physical hazard which could result in damage to College property and/or the public. The authority of Department of Environmental Safety is in addition to any other rights of the College set forth herein.

2.4. RESPONSIBILITIES OF THE ARCHITECT/ENGINEER

2.4.1. Architect/Engineer's Status

2.4.1.1. The College may maintain staff personnel from the Office of Facilities and Public Safety, or as separate architectural and/or engineering services retained by the College, at the site of the Work for field observation and day-to-day monitoring of the Work.

2.4.1.2. The Architect/Engineer shall assist the College during the construction period and with the College's Project Manager shall observe the Work in process on behalf of the College. The Architect/Engineer will not be responsible for construction means, methods, techniques, sequences or procedures or for safety precautions and programs in connection with the Work. The Architect/Engineer shall have authority to act on behalf of the College only to the extent expressly provided in the Contract Documents or otherwise in writing.

2.4.1.3. With the College's Project Manager the Architect/Engineer may advise the College with respect to claims of the College or the Contractor, on matters relating to the execution and progress of the Work and on the interpretation of the Contract Documents.

2.4.1.4. Together with the College's Project Manager the Architect/Engineer shall certify applications for progress payments and final payment that the Contractor has complied with the requirements of the Contract Documents.

2.4.1.5. Together with the College's Project Manager the Architect/Engineer shall determine Contractor's achievement of Substantial Completion and Final Completion milestones, and issue relevant certificates, in accordance with the requirements of the Contract Documents.

2.5. COLLEGE'S RIGHT TO STOP OR SUSPEND WORK

2.5.1. Stopping of the Work

2.5.1.1. Subject to concurrence by the College, the College's Project Manager may stop all or part of the Contractor's Work, if in the opinion of the College's Project Manager the Contractor has performed Work not in conformance with the Contract Documents. The Work may be stopped until such time that the defective conditions have been corrected. All costs related to the stoppage of the Work shall be borne by the Contractor.

2.5.2. Suspension of the Work

2.5.2.1. The College unilaterally may order the Contractor in writing to suspend, delay or interrupt all or any part of the Work for a period of time as it may determine to be appropriate.

2.5.2.2. If the performance of all or any part of the Work is for an unreasonable period of time suspended, delayed or interrupted by an act or omission of the College in the administration of the Contract, an adjustment shall be made for any increase in the cost of performance of the Contract (excluding profit) necessarily caused by an unreasonable suspension, delay or interruption and the Contract modified in writing accordingly. No adjustment shall be made under this subsection for any suspension, delay or interruption to the extent (1) that performance would have been so suspended, delayed or interrupted by any other cause, including the fault or negligence of the Contractor; or (2) for which an equitable adjustment is provided for or excluded under any other provision in this Contract.

ARTICLE 3 – CONTRACTOR

3.1. RESPONSIBILITIES OF THE CONTRACTOR

3.1.1. The Contractor shall furnish all labor, materials, equipment, tools, construction equipment, machinery, plant, supplies, utilities, telephone, transportation, supervision, temporary construction, permits, insurance, taxes, bonds, contributions and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work, as described in the Contract Documents.

3.1.2. Montgomery County or City of Rockville Complex Structures processes may apply to the Project. When applicable, Contractor shall fulfill any necessary obligations related to that process.

3.2. CONTRACTOR'S ADMINISTRATION AND SUPERVISION OF THE WORK

3.2.1. Staff

3.2.1.1. The Contractor shall furnish a competent, qualified and adequate staff as necessary to administer coordinate, supervise and superintend the Work; to organize the procurement of all materials and equipment so that they will be available at the time they are needed for the Work; and to keep an adequate force of skilled workers on the job to complete the Work in accordance with all requirements of the Contract Documents and to the entire satisfaction of the College's Project Manager. Key members of the staff shall not be changed without the consent of the College's Project Manager.

3.2.1.2. Prior to commencement of the Work, the Contractor shall select a project representative who will have full responsibility for the prosecution of the Work, with full authority to act in all matters as necessary for the proper coordination, direction and technical administration of the Work and who shall attend meetings at such place or places as determined by the College's Project Manager in order to render reports on the progress of the Work.

3.2.2. Supervision

3.2.2.1. The Contractor shall efficiently supervise the Work, using its best skill and attention. It shall carefully study and compare all drawings, specifications and other instructions and shall at once report to the College's Project Manager any error or omission which it may discover, and shall subsequently proceed with the Work in accordance with instructions from the College's Project Manager concerning such error or omission.

3.2.2.2. The Contractor shall assign to the Project throughout its duration a well-qualified, competent superintendent and any necessary assistants, all of whom must be satisfactory to the College's Project Manager. The superintendent shall represent the Contractor in its absence and all directions given to him shall be as binding as if given to the Contractor. Important directions shall be confirmed in writing to the Contractor. Other directions shall be so confirmed on written request in each case.

3.2.2.3. The College's Project Manager shall not supervise the Work. The means, methods, techniques, sequences, procedures and safety measures utilized in the performance of the Work are the sole responsibility of the Contractor, subject to overall coordination of the College's Project Manager. Any means, method, techniques, sequences or procedures set forth in the Contract Documents are solely to specify the desired end product; and if the means, methods, techniques, sequences or procedures will not result in the desired end product or is unsafe or illegal because of some inherent defect in the Specifications or the particular conditions under which the Work is being performed, it is the Contractor's responsibility to select a correct means, method, technique, sequence or procedure. Nothing in the College's Project Manager's review of the general quality and progress of the Work, including acceptance of submittals and Work, shall be construed as the

assumption of authority or supervision over the performance of the Work, or relieves the Contractor from its obligation to comply with the requirements of the Contract Documents.

3.2.3 Subcontracts

3.2.3.1. The Contractor shall, prior to the execution of the Contract, notify the College in writing of the names of Subcontractors, if any, proposed for the principal parts of the Work and for such other parts of the Work as the College's Project Manager may direct. The Contractor shall not employ any Subcontractor that the College may, within a reasonable time, object to for any reason.

3.2.3.2. The Contractor is as fully responsible to the College for the performance, management, acts and omissions of its Subcontractors and of persons either directly or indirectly employed by them, as it is for the performance, management, acts and omissions of persons directly employed by it.

3.2.3.3. Nothing contained in the Contract Documents shall create any contractual obligation between any Subcontractor and the College.

3.2.3.4. The Contractor agrees to bind every Subcontractor, and every Subcontractor agrees to be bound by the terms of the Contract, the Drawings and the Specifications as far as applicable to its Work, including the following provisions, unless specifically noted to the contrary in a subcontract approved in writing as adequate by the College.

3.2.3.5. The Subcontractor agrees:

(1) To be bound to the Contractor by the terms of the Contract, the Drawings and the Specifications, and to assume toward the Contractor all the obligations and responsibilities that it, by those documents, assumes toward the College.
(2) To submit to the Contractor applications for payment in such reasonable time as to enable the Contractor to apply for payment.

3.2.3.6. The Contractor agrees to place in its subcontracts with Subcontractors:

(1) To be bound to the Subcontractor by all the obligations that the College assumes to the Contractor under the Contract, the Drawings and the Specifications, and by all the provisions thereof affording remedies and redress to the Contractor from the College.
(2) To pay the Subcontractor, upon the payment of certificates, if listed in the Schedule of Values the amount allowed to the Contractor on account of the Subcontractor's Work to the extent of the Subcontractor's interest therein.
(3) To make no demand for liquidated damages for delay in any sum in excess of such amount as may be specifically named in the subcontract.
(4) That no claims for services rendered or materials furnished by the Contractor to the Subcontractor shall be valid unless written notice thereof is given by the Contractor to the Subcontractor during the first ten days of the calendar month following that in which the claim originated.
(5) To give to the Subcontractor an opportunity to be present and to submit evidence in any decision involving its rights.

3.2.4. Behavior of Contractor's Employees, Agents and Subcontractors

3.2.4.1. The College is committed to providing a work and study environment that is free from discrimination and harassment on the basis of race, color, religious creed, ancestry, national origin, age, sex, marital status, handicap, pregnancy or status as a disabled veteran or veteran of the Vietnam Era. Behavior contrary to this philosophy, which has the purpose or effect of creating an intimidating, hostile, or offensive environment, will not be tolerated by the College, and it is the Contractor's responsibility to ensure that such behavior by its employees, agents and Subcontractors does not occur.

3.2.4.2. This policy extends to maintaining an environment free from sexual harassment. Therefore, sexual advances, sexual remarks, requests for sexual favors, and other verbal or physical conduct of a sexual nature must not be condoned or permitted by the Contractor. This prohibition extends to such harassment within the employment context as well as harassment of students, staff and visitors of the College. It should be assumed that all sexual behaviors by the Contractor's employees, agents or subcontractors on any campus or facility of the College, whether owned, operated, maintained or leased by the College, is improper and unwelcome.

3.2.4.3. Montgomery College is a tobacco free institution. Use of tobacco products is prohibited in all indoor and outdoor College-owned facilities and facilities leased and controlled by the College as well as at meetings or conferences sponsored by the College. This use prohibition extends to Contractors' employees, agents, subcontractors and vendors.

3.3. MATERIALS, LABOR, EQUIPMENT AND PROCESSES

3.3.1. Proposals

3.3.1.1. Proposals shall be based upon the materials, equipment or processes specifically named, implied in or reasonably inferable from the Contract Documents.

3.3.1.2. In cases where Work is to be performed in an existing building, proposals shall be based on Contractor's review of existing conditions by means including but not limited to: site inspection and review of existing College documentation, if any, including data from the Environmental Safety Office. Failure or omission of the Contractor to inspect the site and examine available documents shall in no way relieve the Contractor from obligations with respect to its price, nor constitute grounds for a subsequent claim.

3.3.1.3. Certain Project proposals shall be based on Prevailing Wage Rate schedule provided by and the reporting requirements of the State of Maryland's Department of Labor, Licensing and Regulation (DLLR). If guidance regarding applicability of Prevailing Wage Rates is not otherwise included in the Contract Documents, Contractor shall request a determination of applicability from the College prior to submitting a proposal.

3.3.2. Labor, Materials and Equipment

3.3.2.1. The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Contract.

3.3.2.2. The Contractor shall furnish sufficient forces to ensure the prosecution of the Work within the time stated in the Contract.

3.3.2.3. The Contractor shall comply with the provisions of Sections 17208 entitled Prevailing Wage Rates, when applicable, and 17301 through and including 17306 of the State Finance and Procurement Article of the Annotated Code of Maryland (as amended from time to time) entitled "Steel Procurement for Public Works."

3.3.2.4. Unless otherwise specified, all materials and equipment to be permanently installed in the Work shall be new, and shall be of such quality as required to satisfy the standards of the Contract Documents. The Contractor shall, if required, furnish satisfactory evidence as to kind and quality of all materials and equipment.

3.3.2.5. The Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. All labor shall be performed by workers skilled in their respective trades, and Work produced shall be of good quality so that first class Work in accordance with the standards of construction set forth in the Contract Documents will result.

3.3.3. Use of Named Materials

3.3.3.1. Where materials are specified by a name, or several names are specified, without the words 'or equal' following such name(s) the Contractor shall use and/or supply the named material that meets all the requirements of the Specifications.

3.3.4. Use of Equivalent Materials

3.3.4.1. Where the words ‘or equal’ are included, at the Contractor's sole risk, the Contractor may submit a material it considers to be equal in quality, capacity, size, or other determining criteria. The burden of submitting adequate information to the College to prove equality of materials shall be the responsibility of the Contractor. A direct comparison of features and fit with the specified item must be included. Whether an equal or specified product is proposed, all of the units of a given type required for and used in the Work must be the same in material and manufacture. The decision of the College with regard to quality of materials shall be final. The College may reject a proposed equal without cause and the Contractor shall not be entitled to additional compensation.

3.3.5. Substitutions

3.3.5.1. Substitutions requests will be considered only under the following circumstances:

(1) When the specified product is not available; or
(2) When, if a certain product or process is specified and a guarantee of performance is required and, in the judgment of the Contractor, the specified product or process will not produce the desired results; or
(3) When a substitution, in the opinion of the College is in its best interest.

3.3.5.2. Requests for substitutions of products, materials or processes other than those specified shall be submitted in writing to the College’s Project Manager and be accompanied by evidence that the proposed substitution: (1) is equal in quality and service-ability to the specified item; (2) will not entail changes in details and construction of related work; and (3) will be acceptable in consideration of the required design and artistic effect. The Contractor will furnish with its request such drawings, specifications, samples, performance data and other information as may be required of it to assist the College in determining whether the proposed substitution is acceptable. A direct comparison of features and fit with the specified item must be included. The substitution request shall state the credit or extra, if any, involved with the use of such material. The burden of proof shall be upon the Contractor.

3.3.5.3. Regardless of the evidence submitted or any review or independent investigation by the College, a request for a substitution of products, materials or processes is a warranty by the Contractor to the College that (1) the requested substitution is equal in quality and serviceability to the specific item; (2) will not entail changes in details and construction of related work; (3) will be acceptable in consideration of the required design and artistic effect; (4) will not involve any additional cost to the College other than that specified in an accompanying request for a change order; and (5) the Contractor will provide the same or better warranty for the substitution that the Contractor would for that specified.

3.3.5.4. The College’s acceptance of a substitution does not relieve the Contractor of responsibility for any unforeseen consequences and/or costs associated with the substitution.

3.3.5.5. The College may reject a proposed substitution without cause.

3.3.6. Required List of Materials and Equipment

3.3.6.1. Unless otherwise indicated in the Contract Documents, the Contractor shall submit to the

College's Project Manager a comprehensive list of the manufacturer's products proposed for this Work as soon as practicable and within thirty (30) calendar days after receipt of notice to proceed. The list shall include information on materials, equipment and fixtures as may be required for the College's Project Manager's preliminary review; partial lists will not be considered. Acceptance of this list of products shall not be construed as a substitute for the shop drawings, manufacturer's descriptive data and samples which are required by the Contract Documents, but rather as a base from which more detailed submittals shall be developed for the College's final review.

3.3.7. Tariffs

The Contractor's Contract Sum shall be presumed to include all tariffs levied on materials, supplies, equipment or other property incorporated into or used on the Project, whether the tariff is imposed before or after the Contract is signed.

3.4. WARRANTY/GUARANTEES

3.4.1. Except to the extent that the Contract Documents impose greater warranty obligations on the Contractor for all or any part of the Work, the Contractor warrants:

3.4.1.1. That the materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents;

3.4.1.2. That the Work contains no faulty or imperfect material or equipment or any imperfect, careless or unskilled workmanship;

3.4.1.3. That all mechanical and electrical equipment, machines, devices, etc., shall be adequate for the use to which they are intended and shall operate with ordinary care and attention in a satisfactory and efficient manner; and

3.4.1.4. That the entire Work shall be watertight and leak proof in every particular.

3.4.1.5. Unless otherwise indicated in the Contract Documents, for a period of one year commencing on the date of Substantial Completion or such other date agreed upon, the Contractor shall schedule, manage and monitor all warranty call-backs requested by the College and re-execute, correct, repair, or remove and replace with proper Work, without cost to the College, any Work found not to be as guaranteed by this section or otherwise not in conformity with the Contract and that it will make good all damages or cost to other Work or materials in the process of complying with this section in accordance with Article 10, Correction of Work. The Contractor shall pay for tests and inspections made necessary by faulty Work. The correction period shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual performance of the Work. This obligation shall survive Final Completion of the Work under the Contract and the Contract Close Out.

3.4.2. Nothing contained in Subsection 3.4.1.5 shall be construed to establish a period of limitation with respect to other obligations which the Contractor might have under the Contract Documents. Establishment of time period of one year as described in Subsection 3.4.1.5 relates only to the specific obligation of the Contractor to correct the Work and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

3.4.3. The Contractor shall cause to be assigned to the College all warranties/guarantees furnished by manufacturers and suppliers of equipment and supplies for the Work. The assignment shall not affect Contractor's warranty obligations to the College.

3.5. TAXES

3.5.1. The College is not exempt from payment of Maryland State Sales Tax and Municipal Occupation (Sales) and/or Use Taxes on materials purchased for this Work.

3.5.2. The Contractor and Subcontractors shall pay sales, consumer, use, unemployment, old age pension and/or other taxes imposed by local, state and/or the Federal government, except taxes and assessments on the real property comprising the Work site. The Contractor is to include such expenses in its proposal.

3.6. PERMITS AND LICENSES

3.6.1. The College will file for the building permit, if one is necessary, with the local authority. The Contractor shall obtain and pay for any and all permits (other than the building permit), and for all licenses and certificates of inspection necessary for the execution and completion of the Work as called for in the Contract Documents. The Contractor will be required to pay all necessary fees to local authorities for permits and inspections and it shall include the cost of the fees in its base price. The College shall not be responsible for the actions or interpretations of county, municipal or other local agencies or officials with respect to the application of Federal, State or local laws, rules, ordinances, regulations, codes or policies to the Work.

3.6.2. The Contractor must be licensed as required by Title XVII, Subtitle VI or Title VIII of the Business Regulation Article, Annotated Code of Maryland.

3.7. PROSECUTION AND PROGRESS OF THE WORK

3.7.1. Notice to Proceed

3.7.1.1. After the Contract has been executed, the College's Project Manager will issue to the Contractor a "Notice to Proceed" and this notice will stipulate the date on or before which the Contractor is expected to begin Work. The specified Contract time shall begin on the starting date stated in the "Notice to Proceed." Any Work started or materials ordered before the starting date stated in the "Notice to Proceed" shall be at the risk of the Contractor.

3.7.1.2. Notice to Proceed will not be issued until the College receives from the Contractor performance, labor and material payment bonds, insurance certificates and other documents which are required by the Contract. The Contractor is prohibited from performing any Work on the site until proof of the insurance required by the Contract is provided to the College.

3.7.2. Hours of Work

3.7.2.1. The Work shall be performed during regular working hours except in the event of emergency, or when required to complete the Work within the time stated in the Contract. What constitutes regular working hours will be agreed upon at the preconstruction conference.

3.7.2.2. The Work shall be suspended on the College's Commencement Day (typically the third Friday in May) unless otherwise agreed to by the College.

3.7.2.3. The Work may be performed on night shifts, overtime, Sundays and holidays when permission to do so has been obtained from the College, at no additional cost to the College, and provided that Contractor complies with any additional regulations regarding off-hours work mandated by regulatory authorities.

3.7.3. Construction Schedule

3.7.3.1. Time

(1) All time limits in the Contract Documents are of the essence of the Contract. Contractor and the College agree that the time stated in the Contract for the completion of the Work is a reasonable time, considering the usual climatic range and the usual business conditions prevailing in the locality of the Project. The Contract time shall be the full time allowed or required for completion of every task involved in completion of the Work, including lead-time for ordering and fabrication of equipment and materials.

(2) The College is not obligated (a) to accept an early completion schedule from the Contractor, or (b) to accept the Project prior to the completion date stated in the Contract. The College will not be liable for any claims based on the Contractor's assertion of an intention to finish early.

3.7.3.2. Preliminary Schedule

(1) The Contractor shall agree to comply with the Preliminary Project Schedule prepared by the College and included in the Contract Documents or with the Contractor's Proposed Project Schedule, if one was required as part of the Contractor's proposal submission. Agreement by the Contractor to comply with the Preliminary Project Schedule or Contractor's Proposed Project Schedule also means agreement by the Contractor to comply with subsequent reasonable updates prepared or requested by the College.

(2) Within 14 days of the execution of the Contract, Contractor must submit for approval, Preliminary Schedule information outlining all activities for the Contractor's work as may be reasonably requested by the College's Project Manager. Coordinate schedule information with milestones indicated in the Preliminary Project Schedule. This preliminary information must be approved prior to the first Application for Payment being processed. Include each significant construction activity, coordinate each activity with other activities and schedule each construction activity in proper sequence. The College's Project Manager may decline to issue a Notice to Proceed until Contractor has submitted the required schedule information and it is approved by the College's Project Manager. Nothing in this section shall be construed to require the College's Project Manager to issue a Notice to Proceed when the required schedule information has been submitted and approved.

(3) With submission of the preliminary schedule information, include a listing by date of submission of all submittals required. Identify those required to maintain orderly progress of the Work, and those required early because of long lead time for manufacture or fabrication.

3.7.3.3. Completion Schedule

(1) Within 30 days after Contract execution and at such other times as required by subsections 3.7.3.4 and 3.7.3.8, the Contractor shall submit for approval, updated schedule information indicating the time allocated by the Contractor for the performance of each portion of the Work and the submittal information required by subsection 3.7.3.2 (3), properly and reasonably sequenced for achieving each task shown on the schedule. Coordinate schedule with milestones indicated in the Preliminary Project Schedule.

(2) The Contractor's construction schedule shall begin with the date of issuance of Notice to Proceed and conclude with the required date of final completion of the project as stated in the Contract Documents. Float or slack time available in the schedule at any time shall not be for the exclusive use or benefit of either the Contractor or the College, but is jointly owned.

(3) The Contractor's schedule information shall include a complete itemized breakdown of the Work, listed by activity or event number, including items related to the General Conditions, all necessary dates for submittal, review and response, and re-submittal (if necessary), and for each activity shall show at a minimum: (1) a sequence of operations; (2) the dates of commencement and completion of each item of the Work; and (3) delivery for material

and equipment. Unless otherwise indicated in the Contract Documents or agreed upon by the College's Project Manager the duration of each activity shall be twenty-one calendar days or less.

(4) Contractor shall submit with each Application for Payment revised schedule information accurately updated to reflect all: (1) revisions to the schedule (2) changes made or planned in the construction sequence; (3) actual construction activities to date including (i) commencement and completion dates for activities started or completed during the reporting period; and (ii) current progress of activities started in prior reporting periods including completion dates for activities completed during the reporting period; (4) delays and their effects on the critical path; (5) extensions of time granted by the College and (6) the Contractor's planned schedule or recovery schedule for completing remaining activities. This required schedule information update shall be furnished monthly whether or not Contractor submits an application for payment in that month.

(5) In the event that there are change orders, they shall be reflected as new activities, or as changes in logic and/or time framing of existing activities. They shall be introduced at the next updating after receipt of a change order, and shall be subject to the approval of the College's Project Manager. Change order logic shall affect only those intermediate activities and performance dates directly concerned. Adjustments required in completion dates for those intermediate dates, or for the Contract as a whole, will be considered only to the extent that there is not sufficient remaining float to absorb the additional time which may be authorized for completion of individual activities.

(6) Whenever the Project shall be behind schedule or alleged by either party to be behind schedule, the College may require the Contractor to furnish, at no additional cost to the College revised schedule information (hereinafter called a "recovery schedule") showing how the Contractor will finish their work by the Contract completion date.

(7) All of Contractor's schedule information, including monthly schedule information updates and any recovery schedule information required shall be subject to review and approval by the College's Project Manager.

(8) The Contractor shall cooperate with the College's Project Manager in scheduling and performing the Contractor's Work to avoid conflict, delay in or interference with the Work of other contractors or the construction or operation of College's own forces. The Contractor shall participate with other contractors and the College's Project Manager and College in reviewing schedules when directed to do so. The Contractor shall make any revisions to their construction schedule information deemed necessary after a joint review.

(9) Approval by the College's Project Manager of any schedule information submitted shall constitute approval of the schedule information only for general conformity with Contract requirements and shall not constitute approval, acceptance or admission of the reasonableness, accuracy, achievability, or feasibility of the schedule information or of the Contractor's ability to meet the schedule, or waiver or excuse of default or delay by the Contractor, extension of the time for completion, waiver or modification of Contract requirements, admission of fault or responsibility for delay on the part of the College or acceptance or admission on the part of the College of any liability or responsibility for the schedule or for acceleration or other costs or delay damages of the Contractor which are inferable from the Contractor's schedule information or update.

(10) The College is not obligated to pay the Contractor for Work completed until proper, accurate schedule information, and updates are furnished as required and it is not liable for and Contractor is not entitled to damages, compensation, or time extensions for delays starting, occurring or continuing during the period when an accurate and reasonable schedule information or update was due but not furnished by the Contractor.

3.7.3.4. All schedule information, including initial schedule information, recovery schedule information and monthly updates, shall be submitted in three (3) paper copies and one (1) electronic copy in Portable Document Format (PDF), unless otherwise indicated. Upon the written request of the College, Contractor shall provide schedule information in its native electronic format (e.g., .xer files).

3.7.4. Progress Meetings

3.7.4.1. Contractor shall plan and participate in routine Project progress meetings to brief College's Project Manager and Architect/Engineer on the status of the Project. Frequency of meetings shall be determined at a preconstruction conference, but shall typically occur not less than every two weeks. Primary agenda topics shall include reporting status of: Regulatory Approvals, Submittals, RFIs, Commissioning, Safety, Security and Housekeeping, Schedule, Contracts/Finance and Close-Out. Unless otherwise indicated in the Contract Documents, record meeting minutes will be prepared by the Contractor.

3.7.4.2. Contractor shall provide reasonable advance notice to the College's Project Manager and Architect/Engineer regarding scheduling of pre-construction and pre-installation conferences with subcontractors. At a minimum, Contractor should anticipate College's participation in conferences related to underground work, demolition work, primary structural work, all building enclosure work, MEP and telecommunications, AV and security systems work.

3.7.5. Progress Meeting Documentation and Reports

3.7.5.1. Contractor shall prepare, maintain, monitor and make available to the College, reasonable Project progress documentation including, but not limited to:

(1) Contractor's Daily Reports: listing weather conditions, trades on site, manpower, brief description of activities underway, quality control issues raised, commissioning activities underway and any safety or security issues encountered. Append Daily Reports from Subcontractors to the Contractor's Daily Report.
(2) Minutes from Pre-Construction and Pre-Installation conferences.
(3) Minutes from Contractor's Subcontractor and/or Foreman's meetings: including agenda topics, brief summary of issues discussed resolutions discussed and issues requiring attention.
(4) Inspection reports provided by Independent Testing Agencies and/or Laboratories, when applicable.
(5) Inspection reports provided by any authorities having jurisdiction on the Project.

3.8. REFERENCE DOCUMENTS FOR THE WORK

3.8.1. Conformance Documents

3.8.1.1. The College may issue conformance documents, incorporating all Addenda issued during the bid/proposal period into the Contract Documents, for the Contractor's convenience at the start of Work. It is the Contractor's sole responsibility to verify the accuracy of the conformance documents. At the Contractor's election, conformance documents may serve as the basis for Progress Documents. Use of such documentation shall not in any way relieve the Contractor from its responsibility to perform the Work in accordance with the Contract Documents. In the event of a discrepancy between the conformance documents and the Contract Documents, the Contract Documents shall govern.

3.8.2. Progress Documents

3.8.2.1. The Contractor shall keep one complete set of all Drawings, Specifications, Construction Progress Schedule, and shop drawings at the job-site current and in good order. As the Work progresses, the Contractor shall keep a complete and accurate record of all changes or deviations from the Contract Documents, indicating the Work as actually installed. All underground utility locations associated with the scope of work, or revealed during the conduct of the work, shall be recorded by the Contractor's surveyor and referenced to a campus benchmark provided by the College. All such changes shall be neatly and correctly shown on black line prints of the drawings affected, or in the Specifications, with appropriate supplementary notes. This record set of prints of Drawings, shop drawings and Specifications shall be kept at the job site for inspection by the College's Project Manager and Architect/Engineer.

3.8.3. Record Documents

3.8.3.1. At the completion of the Work, the Contractor shall certify by endorsement thereof, that each of the revised prints of the Drawings and Specifications is complete and accurate. Prior to the Contractor's Application for Final Payment, and as a condition to its approval by the College, the Contractor shall assemble its record drawings and specifications, review them for completeness and submit them to the College's Project Manager. The Contractor shall provide suitable transfer cases and deliver the records therein, indexed and marked for each division of the Work.

3.8.3.2. No review or receipt of such records by the College's Project Manager shall be a waiver of any deviation from the Contract Documents or the Shop Drawings or in any way relieve the Contractor from its responsibility to perform the Work in accordance with the Contract Documents and the Shop Drawings to the extent they are in accordance with the Contract Documents.

3.9. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

3.9.1. After checking and verifying all field measurements and after complying with applicable procedures specified in the Contract Documents, Contractor shall submit to the College's Project Manager and Architect/Engineer, in accordance with the Contractor's schedule, Shop Drawings and other submittals which will bear a stamp or specific written indication that the Contractor has satisfied its responsibility under the Contract Documents with respect to the review of such submissions. The data on the Shop Drawings or submittal must be complete with respect to quantities, dimensions, specified performance and/or design criteria, materials and similar data to enable the Architect/Engineer to review the information as required. These documents shall be prepared in conformity with the best practice and standards for the trade concerned. Due regard shall be given to speed and economy of fabrication and erection.

3.9.2. Obtaining electronic documentation to aid in the preparation of Shop Drawings and submittals shall be the sole responsibility of the Contractor and may be subject to certain terms and conditions required by the Architect/Engineer and/or College. The College cannot guarantee that electronic documentation prepared by the Architect/Engineer will be made available to the Contractor. If provided, Contractor shall not be entitled to rely on such documentation for accuracy and use of such documentation shall not in any way relieve the Contractor from its responsibility to perform the Work in accordance with the Contract Documents.

3.9.3. The Contractor shall prepare and routinely update a submittal log indicating the status of submittals.

3.9.4. Unless otherwise indicated in the Contract Documents or agreed to by the College in writing, the Contractor shall send the College one copy of all Shop Drawings and product data coincident with the initial and any subsequent submissions to the Architect/Engineer. The College will forward any comments it desires to make to the Architect/Engineer within the designated review time.

3.9.5. In addition to the items noted in the Specifications as requiring Shop Drawings or other details, Shop Drawings and details shall be required for all items which are specifically fabricated for the Work or when the assembly of several items is required for a working unit.

3.9.6. The College's Project Manager and Architect/Engineer will examine the Shop Drawings and product data submittals with reasonable promptness. The College's Project Manager and Architect/Engineer will note whether they are approved, approved with corrections and/or conditions, or rejected. The Architect/Engineer will return the Shop Drawings and project data submittals with the final action to the Contractor and also provide one copy each to the College and College's Project Manager.

3.9.7. The Contractor must allow the Architect/Engineer, College's Project Manager at least fourteen calendar days following receipt of each submittal or re-submittal of Shop Drawings and product data submittals to review the documents and respond to the Contractor. Items requiring longer than fourteen

calendar days of review time will be identified in the Specifications. The minimum time allowed for the Architect/Engineer, College's Project Manager to review the submittal shall be increased to the extent that additional time for review is needed due to the fault or the responsibility of the Contractor or its Subcontractors and suppliers. The Contractor will be notified of the cause of the delay and advised of how long it will take to complete the review; provided, however, that mere failure to give the Contractor such notice shall not entitle the Contractor to compensation or a time extension.

3.9.8. When the Architect/Engineer, College's Project Manager or the College desires corrections, or rejects the Shop Drawings, the Contractor shall resubmit the Shop Drawings with the required corrections in a timely manner.

3.9.9. Unless the Contractor has, in writing, at the time of the submissions, expressly notified the Architect/Engineer, College's Project Manager and the College to the contrary, the College and the Architect/Engineer may assume that Shop Drawings and other submittals from the Contractor are in conformity with the Contract Documents and do not involve any change in the Contract price, or any change which will alter the space within the structure, or alter the nature of the building or Work from that contemplated by the Contract Documents, or constitute a substitution of material or equipment or a change in the Contract or the scope of Work. If the Contractor fails to give notice strictly in accordance with this subsection, approval of any Shop Drawing or submittal shall not be binding on the College.

3.9.10. The Contractor shall perform no portion of the Work requiring submittal and review of Shop Drawings, product data, samples and similar submittals until the respective submittal has been approved by the Architect/Engineer. Such Work shall be in accordance with accepted submittals. Work performed without approval shall be at the Contractor's risk.

3.9.11. Shop Drawings, product data, samples and similar submittals shall be marked, tagged, or otherwise properly identified with the name of the Contractor, the name of the Project, the purpose for which the samples are submitted, and the date and shall be accompanied by a letter of transmittal containing similar information, together with the Specification section number for identification of each item. Each tag or sticker shall have clear space for the stamps of the Contractor, College's Project Manager and the Architect/Engineer.

3.9.12. Samples of materials which are generally furnished in containers bearing the manufacturers' descriptive labels and printed application instructions shall, if not submitted in the standard containers, be supplied with such labels and application standards.

3.9.13. Should the Contractor consider any rejection or notation on the Shop Drawings or other submittals by the College's Project Manager or Architect/Engineer or any other action or inaction of the College's Project Manager or the Architect/Engineer to cause a change in the scope of the Work from that required by the Contract Documents, whether or not such change may affect contract price or time, then the Contractor shall desist from further action relative to the item in question and shall in writing (1) immediately notify the Architect/Engineer, the College and College's Project Manager requesting clarification; and (2) furnish them, within seven (7) days, with a notice explaining the nature of the change and whether increased or decreased cost and/or time is anticipated. No Work concerning the Shop Drawing or other submittal in question shall be executed until the entire matter is clarified and the Contractor is ordered by the College to proceed. Failure of the Contractor to serve written notice as required above shall constitute a waiver of any claim in relation thereto.

3.10. SITE INFORMATION, ACCESS, USE AND RESTRICTIONS

3.10.1. Site Information

3.10.1.1. Contractor shall review existing conditions and related College record information to become completely familiar with site and adjacent conditions. Contractor shall make arrangements to review available documentation and undertake explanatory site visits with College's Project Manager and

Campus Facilities Office.

3.10.2. Campus Coordination Requirements

3.10.2.1. Contractor shall furnish a Site Mobilization Plan to the College's Project Manager for review and approval prior to the start of Work. Plan shall indicate features including proposed construction delivery route, materials and trash storage areas, site office and toilet facility locations, fencing, erosion control measures, tree and plant protection, temporary lighting, temporary traffic control measures and signage.

3.10.2.2. Contractor shall meet with Campus Facilities and Security Offices prior to the start of Work to review Contractor's proposed Site Mobilization Plan, and to coordinate Project needs with Campus Operations and Maintenance, House and Grounds-keeping and Security operations.

3.10.2.3. In the event that Contractor's operations affect or disrupt campus access roads and/or building entrances or exits, Contractor shall coordinate maintaining or re-directing access in accordance with the Contract Documents and following the direction and policies of the Campus Security Office and any affected emergency service providers.

3.10.2.4. Contractor shall meet with College's Environmental Safety Office prior to the start of Work for projects where Hazardous Materials Abatement or use of Hazardous or Toxic Substances is expected.

3.10.2.5. Any Utility shut down required must be scheduled with relevant utility Owner and Campus Facilities at least 5 days in advance.

3.10.2.6. Unless otherwise indicated in the Contract Documents, vehicular and pedestrian access to properties shall be maintained operational to the maximum possible extent. Driveways to private properties shall not be blocked. Sidewalks and crossings shall be kept open for the passage of pedestrians. Streets shall not be unnecessarily obstructed and, unless the College shall authorize the complete closing of a street, the Contractor shall take such measures as may be necessary to keep the street open for traffic. The Contractor shall provide and maintain suitable and sufficient provisions, including but not limited to flag persons, barricades, warning signs and detour signs, necessary for the protection of the work and safety of the public. All barricades, obstructions and signage shall be illuminated from sunset to sunrise, daily.

3.10.2.7. Parking at all campus locations is limited. Other than one or two spaces for supervisory personnel, parking space for construction site personnel in campus parking lots should not be anticipated. For Projects where Work is confined within a site construction fence, Contractor may provide limited parking for construction personnel within that fenced area as long as parking does not impede progress of the Work or impede access by emergency or campus service vehicles.

3.10.3. Coordination where Work is in or adjacent to an Occupied Existing Building

3.10.3.1. In cases where Work is scheduled to take place in or adjacent to occupied existing buildings, Contractor shall coordinate the Work as reasonably directed by the College's Project Manager to reduce impact of construction operations on building occupants.

3.10.3.2. Noise that disrupts classes cannot generally be tolerated. The Contractor shall notify the College's Project Manager before starting any Work which might disrupt classes. Notification shall be given well in advance of any such situation in order that the Contractor and College's Project Manager together can reach a mutually agreeable time in which the Work can be accomplished. Noise of a brief/infrequent nature may not be found necessary to reschedule. Always contact the College's Project Manager if in doubt. Any rescheduling required due to noise aversion will not be a cause for either a delay or cost claim.

3.10.3.3. When requested, Contractor shall provide a detailed adjacent Work coordination plan indicating information including schedule of activities, limits of disturbance, sequence of construction, access points and their management, barriers, interface with controls such as fire alarm, security or building automation systems operation, for areas that directly interface with or are affected by the Work.

3.10.4. Temporary Facilities

Unless otherwise indicated in the Contract Documents:

3.10.4.1. The Contractor shall be responsible for arranging with the College's Project Manager for general services and temporary facilities as required for the proper and expeditious prosecution of the Work; including but not limited to: use of toilets; temporary storage; temporary electrical power; and temporary water.

3.10.4.2. The Contractor shall, at its own expense, make all temporary connections to utilities and services in locations acceptable to the College's Project Manager and local authorities having jurisdiction thereof; furnish all necessary labor and materials, and make all installations in a manner subject to the acceptance of such authorities and the College's Project Manager; separately meter and pay for utilities (electricity, water, sewer, and telephone) consumed; maintain such connections; remove the temporary installation and connections when no longer required; restore the services and sources of supply to proper operating conditions.

3.10.4.3. The Contractor shall supply and maintain an office trailer or shed and a telephone, telefax, and/or computer on the site for the purpose of facilitating construction coordination and communication.

3.10.4.4. At the completion of the Work, Contractor's onsite facilities shall be removed, and the site restored to conditions that meet or exceed those existing at the start of Work.

3.10.5. Existing Utilities

3.10.5.1. The attention of the Contractor is directed to the likely presence of existing underground utilities and overhead utilities and poles located within the Work site. The Contractor is cautioned that some utilities may not be catalogued on College or utility service provider record documents. Further, due to depth and/or types of materials used, some utilities may not be identifiable using traditional utility service locating methods.

3.10.5.2. Where any underground services are expected to be encountered during construction, prior to the start of work, the Contractor shall:

(1) Review College record documents pertaining to affected underground services.
(2) Interview Campus Facilities office with regard to affected underground services.
(3) Call "Miss Utility" at least 48 hours in advance of construction for marking of public utilities.
(4) Be responsible for costs and coordination of utility locator services necessary to locate and mark any private utility services within the Work site, whether or not indicated on record or Contract Documents.
(5) Notify the College's Project Manager, Campus Facilities office, electric utility company, natural gas supplier, providers of communications, and any affected utility or other organization with a right-of way in or immediately adjacent to the Work area at least one week prior to starting work in the areas in which services are located and cooperate with any organization who elects to have a representative present during the conduct of the Work.

3.10.5.3. The Contractor shall exercise special care not to damage or disturb the utility infrastructure

in any way.

3.10.5.4. The Contractor shall carefully hand dig representative test pits across the full width of anticipated trenches to confirm utility locations and to reveal any unknown utility conditions for assessment prior to permitting use of mechanical excavation equipment.

3.10.5.5. All underground utility locations associated with the scope of Work, or revealed during the conduct of the Work, including the location, size and material of all water, sanitary sewer, storm sewer, gas, electric, telephone, data, fiber, cable television, duct banks, steam and chilled water utilities within the project area, shall be recorded by the Contractor's surveyor and referenced to a campus benchmark provided by the College, which is in Maryland State Plane NAD83(NSRS2007) horizontal datum; NAVD88 vertical datum.

Indicate rim and invert elevation of sanitary sewers, storm sewers and storm water management structures. For all sub-surface utility lines on the site, locate the first connection to the off-site system. The horizontal and vertical location of all subsurface utilities must be measured directly prior to backfill. Locations shall be recorded on project progress documents. Electronic record documentation, in AutoCAD format, is required at project close-out.

3.10.5.6. Contractor shall maintain utility paint marks and flags, showing utility location and depth, until work is complete and survey information is transferred to project progress documents.

3.10.5.7. Contractor shall notify the College's Project Manager and Campus Facilities Office when underground utilities are discovered that are not identified by prevailing industry standard marking methods (e.g. color-coded tape and trace wires for non-metallic utilities). Campus Facilities Office will coordinate proper marking of utilities prior to Contractor's completion of the Work.

3.10.5.8. In the event that utility service is damaged during the conduct of the Work, Contractor shall notify the College's Project Manager and Campus Facilities and Security Offices. Repair of damages resulting from Contractor's actions shall be the responsibility of the Contractor. Regardless of responsibility, Contractor shall immediately undertake necessary repairs, including conducting Work off-hours and/or on weekends, to ensure prompt restoration of service in order to minimize impact of unplanned utility outages on College operations.

3.10.6. Erosion Control

3.10.6.1. The Contractor shall incorporate all permanent erosion control features, where applicable, into the Work at the earliest practicable time and shall maintain them in proper condition during the course of the Contract.

3.10.6.2. Temporary measures shall be used to control conditions that develop prior to installation of permanent control features, or that are needed to temporarily control erosion resulting from normal construction practices. Temporary controls may include off site control measures where such Work is necessary as a direct result of Contractor's construction activity.

3.10.7. Tree and Plant Protection

3.10.7.1. Unless otherwise shown in the Contract Documents, the Contractor shall protect all trees and plants which are liable to injury by construction operations and/or site mobilization plan.

3.10.7.2. Trees may not be used for any attachment or anchorage. Tree root zones shall be protected from overburden from construction traffic or storage of materials.

3.10.8. Snow and Ice Removal

3.10.8.1. Contractor shall provide snow and ice removal from within the project site area and from pedestrian or vehicular routes providing immediate access to or routing around the project site.

3.10.8.2. When the College is officially closed due to snow and ice conditions and the Contractor plans to work, it is the Contractor's responsibility to provide additional snow and ice removal, including removal beyond the site project limits, as necessary to provide access required by its Workers, Subcontractors and/or suppliers.

3.10.8.3. At all times, Contractor shall cooperate and coordinate his snow and ice removal activities with College's snow and ice removal activities.

3.10.9. Trash Removal: Salvage and Recycling

Unless otherwise indicated in the Contract Documents:

3.10.9.1. Salvage rights belong to the Contractor when the Project scope of Work includes demolition and removal of existing materials or equipment.

3.10.9.2. Contractor shall implement best recycling practices as part of its trash removal protocol, with particular attention to sorting and recycling corrugated cardboard packaging materials, wood pallets, paper products and metal products.

3.10.10. Project Signage

3.10.10.1. Contractor may place his identification signage for promotional purposes at the Project site, subject to review and approval by the College's Project Manager.

3.11 HAZARDOUS AND TOXIC SUBSTANCES

3.11.1. Hazardous and Toxic Substances

3.11.1.1. The Contractor shall comply with all applicable federal, state, bi-county and local laws, ordinances and regulations relating to hazardous and toxic substances, including such laws, ordinances and regulations pertaining to access to information about hazardous and toxic substances, in effect on the date of the Contract and as amended from time to time. The Contractor shall further comply with any special provisions or requirements, including more stringent provisions, mandated by any entity having jurisdiction, including but not limited to the Montgomery County Department of Environmental Protection.

3.11.1.2. At least ten (10) calendar days prior to commencing any on-site Work required by these Contract Documents, the Contractor shall compile, maintain and submit to the College's Project Manager a "Chemical Information List" which shall contain the following information for each hazardous and toxic substance used, manufactured, processed, formulated, packaged, repackaged, handled, reacted, transferred, or stored at the job site: the common name, the chemical name, and identification of the Work area in which the hazardous chemical is found. A copy of this list shall be posted at all times at the Contractor's on-site project office. This list shall be updated and maintained in a current status by the Contractor as to the hazardous and toxic substance used, manufactured, processed, formulated, packaged, repackaged, handled, reacted, transferred or stored at the job site. The Contractor shall submit to the College's Project Manager an updated Chemical Information List at least 48-hours prior to the introduction of any additional hazardous and toxic substance not listed on the current Chemical Information List which is to be used, manufactured, processed, formulated, packaged, repackaged, handled, reacted, transferred or stored at the job site.

3.11.1.3. The Contractor shall provide the College's Project Manager at least 48-hours prior to commencing Work requiring the use of a hazardous and toxic substance with a "Material Safety Data

Sheet" or, in the case of a controlled hazardous waste substance, a hazardous waste manifest, for each hazardous and toxic substance listed or subsequently added to the Chemical Information List in compliance with applicable laws, ordinances and regulations.

3.11.2. Asbestos-Containing Materials

3.11.2.1. The Contractor shall not use, install, or apply any asbestos-containing building materials on any Work. Any exception to this requirement must be requested in writing by the Contractor with an explanation of Work requirements. The College will review any such request and must approve in writing the use of any asbestos-containing building materials on any Work prior to use, installation or application. Upon completion of the Project and before final acceptance is issued by the College, the Contractor shall provide the College's Project Manager with written and notarized certification that it did not use, install or apply asbestos-containing materials.

3.11.3. Environmental Litigation

3.11.3.1. If the performance of all or any part of the Work is suspended, delayed or interrupted due to an order of a court of competent jurisdiction as a result of environmental litigation as defined below, or by the order of any state or federal agency or official enforcing applicable laws, such expense, delay or interruption shall be considered as if ordered by the College under Article 2, College's Right To Stop Or Suspend Work. If it is determined that the suspension, delay, or interruption is due wholly or in part to acts or omissions of the Contractor or breach or violation of the terms of this Contract or acts of the Contractor not required by this Contract, the Contractor shall be responsible for all additional costs and delays resulting from such acts or omissions. The term "environmental litigation" as used herein means a complaint filed in court alleging that the Work will have an adverse effect on the environment and that the College has not duly considered, either substantively or procedurally, the effect of the Work on the environment.

3.12. CUTTING AND PATCHING

3.12.1. The Contractor shall be responsible for any cutting, fitting, or patching, required to complete the Work or to make its parts fit together properly.

3.12.2. The Contractor shall not damage or endanger a portion of the Work or other construction of the College or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter such construction by the College or a separate contractor except with written consent of the College and of such separate contractor; such consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold from the College or a separate contractor the Contractor's consent to cutting or otherwise altering its Work.

3.13. CLEANING

3.13.1. Progress Cleaning

3.13.1.1. The Contractor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract, and shall remove and dispose of waste materials or rubbish prior to the end of each working day.

3.13.1.2. If the Contractor fails to clean up as provided in the Contract Documents, the College's Project Manager may do so and the cost thereof shall be charged to the Contractor.

3.13.2. Final Cleaning

3.13.2.1. At completion of the Work the Contractor shall remove from and about the Work waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials.

3.13.2.2. Contractor shall wet clean all floors and surfaces or otherwise clean any equipment and materials installed in accordance with manufacturer's instructions.

3.14. ROYALTIES, PATENTS AND LICENSE FEES

3.14.1. The Contractor assumes the risk that any materials, equipment, processes or other items required under the Contract or furnished by the Contractor are subject to any patent, copyright, mark, secret or other property right of another. The Contractor shall pay for all royalties and license fees and shall obtain all necessary licenses or permits to permit use of any such item by the College. Contractor shall defend all suits or claims of infringement of any patent, copyright, mark, secret or other property right of another and shall save the College harmless from loss or expense on account thereof.

3.14.2. When an item specified by the College or furnished by the Contractor infringes or is alleged to infringe any patent, copyright, mark, secret or other property right of another, the Contractor will, at its option, and at no additional cost to the College, (1) procure for the College the right to use the item; (2) replace the item with an approved, non-infringing equal; or (3) modify the item so that it becomes non-infringing and performs substantially the same as the original item.

3.14.3. The review by the College of any method of construction, invention, appliance, process, article, device or material of any kind shall be for its adequacy for the Work, and shall not be an approval of the use thereof by the Contractor in violation of any patent or other rights or any third person.

3.15. INDEMNIFICATION

3.15.1 The Contractor shall be responsible for any property damage, loss, personal injury, death and/or any other damage which may occur by reason of the Contractor's acts, negligence, willfulness or failure to perform any of the obligations required by this Agreement. The Contractor agrees to indemnify and save harmless the College and its respective employees, volunteers, students, and trustees, as applicable, (the "Indemnitees") from any claims, loss, costs, damages or other expenses suffered or incurred by the Indemnitees, including attorney's fees and costs, by reason of the Contractor's acts, negligence, willfulness or failure to perform any of the obligations required by this Agreement. The Contractor at its own expense shall defend the Indemnitees in any action or suit brought against any of the Indemnitees arising out of the Contractor's acts, negligence, willfulness or failure to perform any of the obligations required by this Agreement. Any acts, negligence, willfulness or failure to perform any of the obligations required by this Agreement on the part of any agent, servant, employee or Subcontractor of the Contractor, or any Subcontractor's agent, servant or employee, are deemed to be the Contractor's acts, negligence, willfulness or failure to perform any of the obligations defined by this Agreement.

3.15.2 In claims against any person or entity indemnified under subsection 3.15.1 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under subsection 3.15.1 shall not be limited by a limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers or workmen's compensation acts, disability benefit acts or other employee benefit acts.

3.15.3. The College may retain such moneys due or to become due the Contractor under this Agreement as it considers necessary until such suits or claims for damages have been settled or otherwise disposed of and satisfactory evidence to that effect has been furnished to the College.

3.15.4. The provisions of this Article shall survive the termination of the Agreement.

ARTICLE 4 – ADMINISTRATION OF THE CONTRACT

4.1. CLARIFYING INSTRUCTIONS

4.1.1. The College shall be the final interpreter of the Contract Documents. Through the College's Project Manager, the College will furnish, with reasonable promptness, such clarifications as it may deem necessary for the proper execution of the Work. Except as otherwise expressly provided in the Contract Documents, all recommendations by the Architect/Engineer and/or College's Project Manager with cost or schedule ramifications are subject to approval by the College. The Work shall be executed in conformity therewith and the Contractor shall do no Work without proper drawings and instructions. The Architect/Engineer and/or College's Project Manager have no authority to waive or change the requirements of the Contract Documents except to make minor changes in the Work which do not result in a claim for extra cost or time, and which are consistent with the intent of the Contract Documents.

4.1.2. Wherever typical parts or sections of the Work are completely detailed on the drawings and other parts or sections which are essentially of the same construction are shown in outline only, the complete details shall apply to the Work which is shown in outline.

4.1.3. Dimensions of Work shall not be determined by scale or rule. Figured dimensions shall be followed at all times. If figured dimensions are lacking on drawings, the Architect/Engineer shall supply them on request to the Contractor.

4.2. REQUESTS FOR INFORMATION

4.2.1. In the event that the Contractor requires clarifications on or discovers conflicts or discrepancies in the Contract Documents, the Contractor shall submit a "Request for Information", in a format suitable to the College's Project Manager and Architect/Engineer prior to proceeding with the Work.

4.2.2. Unless otherwise indicated in the Contract Documents, the Contractor shall prepare and routinely update an RFI log indicating the status of RFIs.

4.2.3. The Contractor must allow the Architect/Engineer, College's Project Manager and the College a reasonable time following receipt of each RFI to review the documents and respond to the Contractor. To the extent that additional time for review is needed to clarify the information submitted by the Contractor or its Subcontractors and suppliers, the Contractor will be notified of the cause of the delay and advised of how long it will take to complete the review; provided, however, that mere failure to give the Contractor such notice shall not entitle the Contractor to make a claim for additional compensation or a time extension. The Architect/Engineer will return the completed RFI response to the Contractor and also provide one copy each to the College and College's Project Manager.

4.2.4. The Contractor shall perform no portion of the Work requiring RFI response until the respective RFI response has been issued by the Architect/Engineer. Work performed without a response shall be at the Contractor's risk.

4.2.5. Should the Contractor consider any RFI response to cause a change in the scope of the Work from that required by the Contract Documents, whether or not such change may affect contract price or time, then the Contractor shall desist from further action relative to the item in question and shall in writing (1) immediately notify the Architect/Engineer, the College and College's Project Manager requesting clarification; and (2) furnish them, within seven (7) days, with a notice explaining the nature of the change and whether increased or decreased cost and/or time is anticipated. No Work related to the RFI shall be executed until the entire matter is clarified and the Contractor is ordered by the College to proceed. Failure of the Contractor to serve written notice as required herein shall constitute a waiver of any claim in relation thereto.

4.3. SITE VISITS AND OBSERVATIONS

4.3.1. The College's Project Manager, and Architect/Engineer, shall at all times have access to the Work

wherever it is in progress. The Contractor shall provide proper and safe facilities for such access and for visits at the place of manufacture or elsewhere.

4.3.2. Inspections by the College's Project Manager, or Architect/Engineer, are for the sole benefit of the College. If the Contract Documents, the College Project Manager's, or Architect/Engineer's instructions, or laws, ordinances or any public authority require any Work to be specially tested or reviewed, the Contractor shall give the College's Project Manager timely notice of the Work's readiness for inspection. If the Work is scheduled to be inspected by an authority other than the College's Project Manager, and Architect/Engineer, the Contractor shall inform the College's Project Manager of the date fixed for such inspection. Required certificates of inspection shall be secured by the Contractor. Inspections by the College's Project Manager and Architect/Engineer shall be made promptly and where practicable, inspections may be made at the source of supply.

4.3.3. If any Work has been covered up contrary to the requirements of the Contract Documents or instructions of the College's Project Manager or Architect/Engineer before it has been observed, such Work must, if required by the College's Project Manager and/or Architect/Engineer, be uncovered for observation and replaced and/or recovered, at the Contractor's expense.

4.3.4. If any questioned Work has been covered up which is not required to be observed by the College's Project Manager and/or Architect/Engineer prior to being covered, the College's Project Manager and/or Architect/Engineer may request to see the Work in question and it shall be uncovered by the Contractor as directed. If such Work is found to be in accordance with the requirements of the Contract Documents, the College shall reimburse the Contractor for the cost of such uncovering and recovering. Such reimbursement shall be limited to the direct cost incurred plus the Contract's approved percentage for overhead and profit. If the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall pay all costs associated with uncovering, correcting and recovering the Work.

4.3.5. The Contractor shall place its field engineers at the College's Project Manager's or Architect/Engineer's disposal for field checking during any inspection period. When layouts of the building and site work are to be made, the Contractor shall notify the College's Project Manager and Architect/Engineer in sufficient time so that the College's Project Manager and Architect/Engineer may be present.

4.3.6. Neither the presence nor the absence of the College's Project Manager or Architect/Engineer on the job shall relieve the Contractor from responsibility to comply with the provisions of the Contract Documents, nor from responsibility to remove and replace Work not in accordance therewith.

4.4. CLAIMS AND DISPUTES

4.4.1. Definition of Claim

4.4.1.1. A claim is a demand or assertion by one of the parties seeking, as a matter of right, adjustment or interpretation of Contract terms, payment of money, extension of time, or other relief with respect to the terms of the Contract. The term "claim" also includes other disputes and matters in question between the College and Contractor arising out of or relating to the Contract. Claims must be made by written notice. The responsibility to substantiate claims shall rest with the party making the claim.

4.4.2. Claims for Concealed or Unknown Conditions

4.4.2.1. If conditions are encountered at the site which are (1) subsurface or otherwise concealed physical conditions which differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature which differ materially from those ordinarily found

to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, then the Contractor shall give notice to the College's Project Manager promptly before conditions are disturbed and in no event later than fifteen (15) calendar days after first observance of the conditions. Upon receipt of such notice the College's Project Manager and Architect/Engineer will promptly investigate such conditions and if they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work will determine an equitable adjustment in the Contract Sum or Contract time or both. No change in the Contract Sum or Contract time or both will be allowed except by formal approval of the College. If it is determined that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the College's Project Manager shall so notify the Contractor in writing stating the reasons. Claims by Contractor which dispute such a determination must be made in accordance with subsection 4.4.5.

4.4.3. Claims for Extension of Time

4.4.3.1. If the Contractor is delayed at any time in the progress of the Work by any act or omission of the College, or its employees or by any other contractor employed by the College, or by changes ordered in the Work, or by strikes, lockouts, fire, unavoidable casualties, or by delay authorized by the College in writing pending a decision, the time of completion shall be extended for such reasonable time as the College may decide but only to the extent such delay (a) impacts the critical path and will prevent Contractor from completing the Work within the Contract time and (b) if performance of the Work is not, was not or would not have been delayed by any other cause for which the Contractor is not entitled to an extension in the Contract time under the Contract Documents.

4.4.3.2. The Contractor may be entitled to a time extension, but no additional compensation, if the delay in the completion of the Work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to, acts of God, acts of the public enemy, acts of another contractor in the performance of a contract with the College, fires, floods, epidemics, quarantine restrictions, strikes, foreign embargoes, delays caused by inspections and approvals from authorities having jurisdiction, or unusually severe weather, all provided that such delays are beyond the control and without the fault or negligence of both the Contractor and the Subcontractor or suppliers. In such circumstances, the time of completion shall be extended for such reasonable time as the College may decide subject to the provisions of Section 4.4.3.1.

4.4.3.3. Claims for extension of time will be considered by the College only if made in writing to the College. Any claim for an extension of time must be made within seven (7) calendar days of the occurrence of conditions which in the opinion of the Contractor warrant such an extension. Failure to submit a claim for an extension of time within seven (7) calendar days shall constitute a waiver of Contractor's right to claim or receive a time extension. In the case of a continuing cause of delay, only one claim is necessary. Within thirty (30) days of filing a time extension claim notice, the Contractor shall submit a clear written statement and relevant supporting documentation substantiating the claim. The documentation shall include a revised schedule, which conforms to the schedules submitted each month with the payment requests and which shows the duration of the delay, its relation to other activities, how the alleged delay was on the critical path, and any other documentation reasonably requested by the College, including a time impact analysis or other schedule analysis. No time extension will be allowed except by formal approval of the College. The College with advice and assistance from the College's Project Manager shall ascertain the facts and the extent of the delay and extend the time for completing the Work, when in the College's judgment the findings of fact justify such an extension. The College's findings of fact shall be final and conclusive on the parties, subject only to appeal as provided in section 4.5 of this Contract.

4.4.4. Claims for Equitable Adjustment for Delay

4.4.4.1 Notwithstanding anything to the contrary in the Contract Documents, the Contractor's sole remedy for any delay from any cause whatsoever shall be an extension of time in which to complete

the Work if permitted under Section 4.4.3 and, to the extent expressly permitted under this Section 4.4.4.1, an equitable adjustment to the Contract Sum. If a delay in completion of the Work is caused solely by the acts or omissions of the College and compensation is not provided for under Changes in the Work otherwise negotiated, and the Contractor's Work is materially affected by that delay, then the Contractor may also be entitled to submit a claim for an equitable adjustment in compensation.

4.4.4.2 Schedule management within the Contract duration established at time of Bid/Proposal, including decisions that may alter sequencing of all or part the Work, does not constitute grounds for an equitable adjustment for delay claim from Contractor or its subcontractors or vendors. All prices are firm for the duration of the overall Contract term.

4.4.4.3 Only the following items may be recoverable by the Contractor as compensation or damages for delay:

(1) Direct costs, consisting of
   1. actual additional salaried and non-salaried on-site labor expenses;
   2. actual additional costs of materials;
   3. actual additional equipment costs, based solely on actual ownership costs of owned equipment or actual reasonable costs of rented or leased equipment;
   4. actual additional extended field office expenses, excluding those which are to be included in overhead;
   5. actual additional reasonable costs of Subcontractor and suppliers at any tier for which the Contractor is liable and provided such costs are expressly recoverable under the Contract;

(2) an additional percentage for overhead and profit of 15% for actual additional Work performed by the Contractor's own forces and 5% for actual additional Work performed by a Subcontractor. Contractor is not entitled to markup for overhead and profit for extended performance costs unless actual additional Work is performed.

4.4.4.4. No claim under this subsection shall be allowed for any costs incurred more than twenty days before the Contractor shall have notified the College in writing of the delay.

4.4.4.5. No other compensation or damages are recoverable by Contractor for any other delay, impact, inefficiency, or interruption. In particular, the College will not be liable for the following (by way of example and not of limitation) whether claimed by the Contractor or by a Subcontractor or supplier at any tier: (a) profit in excess of that provided herein; (b) loss of profit; (c) inefficiencies or loss of productivity; (d) cumulative impact damages; (e) home office or other overhead in excess of that provided herein; (h) overhead calculated by use of the Eichleay formula or similar formulae; (f) consequential damages of any kind, including loss of additional bonding capacity, loss of bidding opportunities, and insolvency; (f) indirect costs or expenses of any nature except those expressly provided for herein; and (g) attorneys fees, costs of claims preparation and presentation, and costs of litigation. Contractor expressly waives such claims against the College.

4.4.4.6. There shall be deducted from the compensation payable to the Contractor under this section for delay any and all costs, expenses, and overhead recovered or recoverable by the Contractor under change orders issued to the Contractor or otherwise recovered or recoverable by the Contractor.

4.4.4.7. Contractor shall not be entitled to compensation or damages for delay pursuant to Section 4.4.4.1 unless, within seven (7) calendar days of the act or omission of the College alleged to have caused the delay, the Contractor notifies the College in writing of (a) the alleged delay and its anticipated duration; and (b) the act or omission of the College allegedly causing the delay. Knowledge on the part of the College or College's Project Manager of the act or omission of the College or any delays resulting therefrom shall not excuse Contractor's failure to give the College the written notice required by this subsection.

4.4.5. Claims and Disputes Procedure

4.4.5.1. Unless a lesser period is prescribed by the Contract, the Contractor shall file a written notice of claim relating to the Contract, to the College's Project Manager within fifteen days after the basis of the claim is known or should have been known, whichever is earlier. Contemporaneously with, or within thirty days of filing of a notice of claim, but, as approved by College's Project Manager, no later than the date that final payment is made, the Contractor shall submit the claim to the College's Project Manager. The claim shall be in writing and shall contain:

(1) an explanation of the claim, including references to all Contract provisions upon which it is based;
(2) the amount of the claim;
(3) the facts upon which the claim is based;
(4) all pertinent data and correspondence that the Contractor relies upon to substantiate its claim. The Contractor shall submit such additional information as may be requested by the College's Project Manager; and
(5) a certification by a senior official, officer or general partner of the Contractor or the Subcontractor, as applicable, that, to the best of the person's knowledge and belief, the claim is made in good faith, supporting data are accurate and complete, and the amount requested accurately reflects the Contract adjustment for which the person believes the College is liable.

4.4.5.2. A notice of claim or a claim that is not filed within the time prescribed by subsection 4.4.5.1 or a lesser period prescribed elsewhere in the Contract shall be dismissed and the claim shall be considered to be waived.

4.4.5.3. Upon receipt of the Contractor's claim, the College's Project Manager, shall take steps deemed necessary to review and investigate the claim. These steps may include an investigation and review of the facts pertinent to the claim, requesting additional information or substantiation from the Contractor or anyone else and taking such other steps as the College's Project Manager may consider appropriate.

4.4.5.4. Following their investigation, the College's Project Manager shall issue a written opinion regarding the claim, which shall contain such information as they consider appropriate.

4.4.5.5. Pending resolution of a claim, the Contractor shall proceed diligently with the performance of the Contract in accordance with the College's Project Manager's opinion, order, finding or interpretation. The Contractor shall take all reasonable action to mitigate or to avoid costs or damages for which the College may be liable. The College Project Manager's decision shall be final and conclusive unless the Contractor files a written appeal to the Vice President of Facilities within fifteen days of the date of the College's Project Manager's opinion. The Contractor shall include in its appeal all of the information which it wants considered in the appeal. The Vice President of Facilities, in consultation with such other persons as deemed advisable, shall prepare and deliver a written decision to the Contractor. The Vice Presidents' response shall be the College's final decision.

4.4.5.6. If the Contractor does not appeal the College's Project Manager's decision to the Vice President of Facilities within the time required under subsection 4.4.5.5, then the College's Project Manager's opinion shall be considered to be final, conclusive and binding upon the Contractor and College. There shall be no further right of review either administratively or in the courts. If the Contractor's timely appeals the College's Project Manager's decision to the Vice President of Facilities, the College's Vice President of Facilities decision shall be considered to be conclusive and final unless within thirty days from the date of the Vice President of Facilities decision the Contractor requests submitting the dispute to non-binding mediation as a condition precedent to commencing an action in the Circuit Court for Montgomery County. If no action is commenced within thirty days after the date of the Vice President of Facilities decision, the Vice President of Facilities decision shall be

considered to be final, conclusive and binding on the Contractor and the College and the Contractor's right to appeal to the courts shall be waived.

4.4.5.7. If a court action is contemplated, all claims, disputes and other matters in question arising out of or related to the Contract or breach thereof shall first be submitted to non-binding mediation. Such mediation shall be in the nature of settlement discussions and privileged. The location of the mediation shall be in Rockville, Maryland.

4.4.5.8. The timely filing of a claim and the receipt of an opinion by the Contractor from the College's Project Manager, receipt of a decision from the College's Vice President of Facilities and pursuit of non-binding mediation are conditions precedent to filing an action in court. Any action which may be commenced against the College shall be filed in the appropriate state court in Montgomery County, Maryland. The Contract and disputes arising out of it shall be governed by the laws of the State of Maryland without regard to conflicts of laws provisions.

4.4.5.9. Claims by the College against the Contractor may be commenced at any time in any appropriate court without regard to the other provisions of the Contract Documents, including subsection 4.4. This right is in addition to all other rights which the College may have under the Contract Documents.

4.5. EFFECTS OF DELAYS AND COLLEGE REMEDIES

4.5.1. No Waiver of Delay

4.5.1.1. Except as may be expressly agreed otherwise by the College in writing, no action or inaction by the College or its Project Managers shall constitute a grant of an extension of the completion date or the waiver of a delay or other default by the Contractor, including: (1) requesting a schedule, a recovery schedule, or an anticipated completion date from Contractor; (2) allowance, approval or acceptance of any schedule; (3) failure to terminate for default at an earlier date; or (4) demand that the Contractor finish the project by the required completion date or by any subsequent date promised by the Contractor.

4.5.2. Mitigation of Delays and College Remedies.

4.5.2.1. If Contractor should at any time cause interference, stoppage or delay to the Project or any activity necessary to complete the Project by the time required by this Contract (collectively, "Delay"), Contractor shall take all reasonable action to avoid or mitigate the effects the Delays**,** including but not limited to: (1) rescheduling or re-sequencing the Work and (2) re-assigning personnel. When the Contractor is responsible for any Delay, the College may order the Contractor to accelerate construction, work overtime, add additional shifts or manpower, work on weekends, or to do anything else reasonably necessary in order to finish on time, at no additional cost to the College. The Contractor does not have the unilateral right to complete the Work late and pay liquidated or other damages.

4.5.2.2 If Contractor should at any time cause the Delays described in subsection 4.5.2.1, then in addition to any other remedies the College may have under the Contract, the College, after notifying Contractor that it has forty-eight (48) hours within which to cure the Delay, may attempt to remedy the Delay by whatever means the College may deem necessary or appropriate including, but not limited to, correcting, furnishing, performing or otherwise completing the Work, or any part thereof by itself or through others, (utilizing where appropriate, any materials and equipment previously purchased for that purpose by Contractor), or by supplementing the Contractor's forces. The Contractor shall be liable to the College for all costs incurred by the College in attempting to remedy the Delay. The College may deduct the cost to remedy the Delay from any monies due or to become due to the Contractor.

4.5.3. Severe Weather Delays

4.5.3.1. "Unusually severe weather" is weather which is more severe than the historical average for the month as evidenced by the National Weather Service for the locality of the Work. Time extensions for unusually severe weather will be allowed on a tentative basis only and the final decision will be reserved until the Work is substantially completed. Weather conditions prevailing throughout the entire Contract period will be considered, including consideration for abnormally mild conditions to offset abnormally severe conditions. Extension of time due to abnormal weather conditions will be granted on the basis of one (1) calendar day for each normal working day lost, or as mutually agreed upon by the College and the Contractor. No additional compensation will be provided to the Contractor.

4.5.3.2. The College and the Contractor shall use the following table labeled “Monthly Anticipated Adverse Weather Days (in work days)” as the basis for determining the anticipated number of “unusually severe weather” workdays at the construction site:

Monthly Anticipated Adverse Weather Days (in work days)											
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
4	5	4	5	5	3	3	3	2	4	4	4

A lost work day shall be considered a weather delay when unusually severe weather exists and when such weather conditions directly cause work to be delayed on the activity or activities which are on the critical path according to the latest accepted update of the schedule during that month. Weather-caused schedule losses shall be measured in half (0.5) workday increments if the unusually severe weather affects work at the site only for one half of a normal workday. If unusually severe weather occurs during the first half of a normal work and also delays work during the second half of the day (e.g., due to employees not being required to report to work due to unusually severe weather), the entire work day shall be considered a weather caused lost work day. The Contractor’s request for weather caused time extensions during a given month shall be considered only for actual work days lost in excess of the number of work days listed in the table above and meeting the above criteria. The Contractor shall meet the submission and notification requirements and follow the procedures for requesting time adjustments to the schedule as described in Section 4.4.3.

4.5.4. Liquidated Damages

4.5.4.1. It is agreed that time is of the essence and therefore the College will suffer substantial damages if the Work is not completed within the time stated in the Preliminary Project Schedule contained in the Contract Documents. For each day that the Work shall be uncompleted after the date set for Substantial Completion, the Contractor may be liable for liquidated damages in the amount specified in the Contract Documents. Prior to and after expiration of the Contract completion time, the College may withhold an amount equal to liquidated damages whenever the progress of construction is such that, due to the fault or responsibility of the Contractor, the Contractor, in the judgment of the College is behind schedule so as not reasonably to be able to permit completion of the Project on time. Due account shall be taken of excusable delays, any extensions of time reasonably due the Contractor for completion of additional Work under change orders, and for delays for which the College is responsible, provided that the Contractor has properly requested time extensions therefore. After submission of a price, the Contractor may not contest the reasonableness of the amount of liquidated damages stated in the Contract. These assessed damages shall not be considered as a penalty, but as mutually agreed upon as the ascertained damages suffered by the College because of the delay.

4.5.5. Waiver of Consequential Damages

4.5.5.1 The Contractor waives claims against the College for consequential damages arising out of or relating to this Contract. The waiver includes but is not limited to damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit of any type.

This waiver is applicable, without limitation, to all consequential damages due to Contractor in accordance with Article 12 of this Contract.

ARTICLE 5 – CONSTRUCTION BY COLLEGE OR BY SEPARATE CONTRACTORS

5.1 SEPARATE CONTRACTS

5.1.1. The College reserves the right to let other contracts in connection with the Project. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and for the execution of their work, and shall properly connect and coordinate its Work with theirs. The Contractor shall work harmoniously with other contractors. The Contractor is not entitled to overhead, profit, or other compensation for work done for the College by other contractors.

5.1.2. If any part of the Contractor's Work depends on the proper execution or completion of any other contractor’s work, the Contractor shall inspect and measure the work of the other contractor(s) and promptly report to the College’s Project Manager any defects or discrepancies in such work. The Contractor's failure to inspect and make such a report shall constitute an acceptance of the other contractor's work as fit and proper for the proper execution of its Work, except as to latent defects.

5.1.3. The College’s Project Manager will schedule and coordinate the Work of the Contractor with the work of all separate contractors on the Project including use of the site by the Contractor and the separate contractors. The College’s Project Manager will keep the Contractor informed of the progress schedule to enable the Contractor to reasonably plan and perform its Work properly. The College’s Project Manager may issue appropriate directions and require the Contractor to take such other measures as may be necessary to timely coordinate and progress the Work. Any neglect or refusal by the Contractor to comply with directions issued by the College’s Project Manager shall constitute a failure to perform the Work in accordance with the Contract requirements and will justify action from withholding of payments otherwise due up to and including termination of the Contract.

5.1.4. The College and College’s Project Manager do not guarantee the unimpeded operations of the Contractor. The Contractor acknowledges that the award of more than one contract for a Project necessitates the proper scheduling and sequencing of the Work with the work of all other contractors, and may lead to inherent delays in the progress of the Work. The Contractor agrees to re-sequence its Work as may be reasonably directed by the College’s Project Manager from time to time. The Contractor hereby agrees to make no claim for delays caused by the presence or operations of other contractors engaged on the Project.

5.1.5. Should the Contractor sustain any damage through any act or omission of any other contractor having a contract with the College for the performance of work on the Project, or through any act or omission of a subcontractor of such other contractor, the Contractor shall make no claim against the College or its consultants (including but not limited to the Architect/Engineer and College’s Project Manager) for such damage, but shall have a right to recover such damage from the other contractor under a provision similar to subparagraph 5.1.6 which has been or will be inserted in all contracts with such other contractors. The Contractor hereby releases the College, College’s Project Manager and Architect/Engineer and their respective officers and employees from all damages to the Contractor caused by other contractors on the Project.

5.1.6. Should any other contractor under contract with the College for performance of work on the Project sustain any damage through any act or omission of the Contractor hereunder, or through any act or

omission of a Contractor's subcontractor of any tier, the Contractor agrees to reimburse such other contractor for all such damages and to indemnify and hold the College, College's Project Manager and Architect/Engineer harmless from all such claims, including attorneys' fees, to the fullest extent permitted by law.

5.1.7. The Contractor agrees that in the event of a dispute as to cooperation or coordination with other contractors on the Project, the College's Project Manager will act as mediator and decisions made by the College's Project Manager will be binding.

5.1.8. The Contractor shall fully cooperate and coordinate its Work with other contractors working on separate projects for other buildings, road work, and the like in accordance with College's Project Manager's direction.

5.1.9. Wherever work being done by any contractors or subcontractors is contiguous to Work covered by the Contract Documents, the respective rights of the parties shall be established by the College's Project Manager to secure the completion of the various portions of the Work in general harmony.

5.1.10. If a dispute arises among the Contractor and other contractors as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish as described in these General Conditions, the College's Project Manager may direct who shall perform the cleanup. The College's Project Manager reserves the right to clean up and allocate the cost in a timely manner among those responsible as the College's Project Manager determines to be just.

ARTICLE 6 – CHANGES IN THE WORK

6.1. CHANGES IN THE WORK

6.1.1. Changes

6.1.1.1. The College unilaterally may, at any time, without notice to the sureties, if any, and without invalidating the Contract Documents, by written order designated or indicated to be an order, make any change in the Work including but not limited to changes in the Specifications, Drawings in the method or manner of performance of the Work, the College-furnished facilities, equipment, materials, services, or site or directing acceleration in the performance of the Work. Any other written order or an oral order, including a direction, instruction, interpretation, or determination from the College that causes or constitutes any such change shall be treated as a change order under this section provided that before performing the Work directed by the change that the Contractor gives the College's Project Manager written notice stating the date, circumstances and source of the order and that the Contractor regards the order as a change order. The Contractor shall not proceed to perform the Work described in the written or oral order unless the College's Project Manager acknowledges in writing to the Contractor that the order is a change order and that the Contractor is to proceed with the Work as a change.

6.1.1.2. If any change under this subsection causes an increase or decrease in the Contractor's cost of, or the time required for, the performance of any part of the Work under the Contract, whether or not changed by an order, an equitable adjustment shall be made and the Contract modified in writing accordingly; provided, however, except for claims based on defective Specifications or Drawings, that no claim for any order under subsection 6.1.1.1 above shall be allowed for any cost incurred more than twenty days before the Contractor gives written notice as therein required. In the case of defective Specifications or Drawings for which the College is responsible, the equitable adjustment shall include any increased costs reasonably incurred by the Contractor in attempting to comply with such defective Specifications or Drawings. The Contractor shall submit to the College Project Manager within ten (10) days after every ninety (90) days from the order to proceed with the Work a detailed list of all costs incurred attempting to comply with defective Specifications or Drawings during

the immediately preceding ninety (90) day period until the effect of the defects are overcome. Costs included more than ninety (90) days old in a detailed list of costs are waived and will not be paid.

6.1.1.3. If the Contractor intends to assert a claim for an equitable adjustment under subsection 6.1.1, it shall, within thirty days after receipt of an order for the furnishing of written notice under subsection 6.1.1.1 submit to the College's Project Manager a written statement setting forth the general nature of the monetary extent of the claim.

6.1.2. Disputed Work

6.1.2.1. In the event of a dispute between the College and the Contractor as to whether any Work is included in the scope of the Contract, such that the Contractor will be obligated to provide that Work at no additional cost to the College, the College's Project Manager may order the Contractor in writing under this section to perform the Work. If the Contractor considers such an order to be a change in the scope of the Contract entitling the Contractor to additional compensation, a time extension, or other relief, the Contractor must provide notice within seven days (7) from receipt of the College's Project Manager's written order under the section to perform the Work and to initiate a claim therefore in accordance with Contract requirements.

6.1.2.2. A request by the Contractor for additional time or additional costs caused by the impact of an order of the College on the critical path for completion must be accompanied by (a) a reasonably detailed description of the effect of the order on the adjusted critical path and (b) supporting documentation. The mere existence of a change order does not entitle the Contractor to an extension of time, compensation for delay or damages or costs associated with delay. Contractor's entitlement thereto shall depend upon the effect of the change order on the adjusted critical path for completion and shall be subject to the requirements of Article 3.7, Prosecution and Progress of the Work.

6.1.2.3. Upon receipt of a signed written order of the College's Project Manager under this subsection, the Contractor shall comply with the order promptly, within the requirements of the completion schedule, whether or not the Contractor signs or accepts the change order. Failure to comply with the order in a timely manner shall constitute a breach of the Contract and grounds for termination for default or any other remedy available to the College.

6.1.3. Modification of Contract Sum

6.1.3.1. When changes in the Work may require a modification of the Contract Sum, the Contractor shall provide to the College's Project Manager, within thirty (30) days of its receipt of a proposal request, an itemized breakdown showing quantities, unit costs, hours and rates of labor, and other costs in such detail as may be required to allow the reasonableness of the cost to be established. Similar cost information covering Subcontractor's Work shall be included as part of the Contractor's proposal. Minimum charges for "handling" will not be acceptable. Charges for general supervision and management will not be acceptable.

6.1.3.2. Modification of the Contract Sum, when required, shall be determined as follows:

(1) When applicable unit prices are stated in the Contract or have been subsequently agreed upon, by application of such unit prices.
(2) A lump sum price agreed upon by the College and the Contractor.
(3) If job conditions or circumstances or the extent or nature of the change, or failure of the College and the Contractor to agree upon a lump sum price or the application of unit prices, prevent the determination of the cost of any proposed change, the Work shall be paid pursuant to subsection 6.1.3.4.
(4) If a change involves a credit to the College, unless the amount must be determined by the application of unit prices, the amount of the credit shall be the greater of (a) the alternate or other itemized price for such Work stated in Contractor's price or (b) a reasonable price, including profit and overhead.

(5) If the change involves both a credit and a debit, the sums shall be shown and the two sums balanced to determine the adjusted total cost or credit.

(6) The mark up allowable to the Contractor for combined overhead and profit for Work performed solely by the Contractor with its own forces shall be a reasonable amount, but not to exceed 15% of the Contractor's costs (excluding items includable in overhead).

(7) The mark up allowable to a Subcontractor for combined overhead and profit for Work performed solely with its own forces shall be a reasonable amount, but not to exceed 15% of the Subcontractor's cost of labor and materials and equipment. Mark ups for Sub-subcontractors or suppliers, if required, must be provided from within the markup allowance provided to the Subcontractor. No additional markup allowance will be allowed for Sub-subcontractors or suppliers. For Work performed by a Subcontractor solely with its own forces, the Contractor is entitled to a reasonable mark up for combined overhead and profit, but not to exceed 5% of the Subcontractor's labor, materials and equipment cost.

Sample Maximum Mark-Up Calculation:

A.	Subcontractor's cost (LME) *(includes direct costs of Subsubcontractors and/or suppliers)*	= A
B.	Subcontractor's combined OH&P	= 15% of A
C.	Subcontractor's Bonds and Builder's Risk Insurance if required	= as a % of A+B
D.	Contractor's combined OH&P	= 5% of A
E.	Contractor's Bonds and Builder's Risk Insurance if required	= as a % of A+B+C+D
F.	Total Maximum Modification of Contract Sum:	= A+B+C+D+E

(8) The Contractor shall be allowed the actual, reasonable additional cost for rental of machine power tools or special equipment, including fuel and lubricants which are necessary to execute the Work required on the change, but no percentage shall be added to this cost.

(9) The Contractor and separately bonded subcontractors, if any, shall be allowed the actual, reasonable additional cost for Bonds and Builder's Risk Insurance, if required.

6.1.3.3. The allowable percentages for cost and overhead and profit as provided in subsections 6.1.3.2 (6) and (7) and elsewhere are deemed to include but not be limited to all costs and expenses of the following kinds: project management, supervision and coordination; job supervision and field office expenses required by the Contract; expenses for supervisors, superintendents, managers, timekeepers, clerks and watchmen; cost of correspondence of any kind; insurance not specifically mentioned herein; all expenses in connection with the maintenance and operation of the field office, use of small tools, cost of vehicles generally used for transporting either Workers, materials, tools or equipment to job location and incidental job burdens; and all expenses or maintenance for operation of Contractor's regularly established principle office, branch office, similar facilities and all other costs and expenses customarily classified as overhead or general conditions. The Contractor's entitlement to compensation or additional time for delays for which the College is responsible or for which an extension is due to the Contractor is also subject to section 4.5.

6.1.3.4. If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the method and the adjustment shall be determined by the College on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including in case of an increase in the Contract Sum, a reasonable allowance for overhead and profit as stated in subsection 6.1.3.2 (6) and (7). In such a case, the Contractor shall keep and present in such form as the College's Project Manager may prescribe an itemized accounting together with appropriate supporting data. The itemized accounting shall be prepared daily and presented to the College's Project Manager at the conclusion of each day. Unless otherwise provided in the Contract Documents, reimbursable costs to the Contractor shall be limited to the following:

(1) Costs of labor, including Social Security, old age and unemployment insurance, fringe benefits required by agreement or custom and Workers' compensation insurance;
(2) Costs of materials, supplies and equipment, including cost of transportation, whether incorporated or consumed;
(3) Rental costs of machinery and equipment exclusive of hand tools, whether rented from the Contractor or others; and
(4) Cost of premiums for all bonds and insurance and permit fees related to the Work, provided that, the penal sum of the surety bond has been increased and the surety has increased the premium cost to the Contractor.
(5) Pending final determination of the costs accumulated pursuant to subsection 6.1.3.4, amounts not in dispute may be included in an Application for Payment.

6.1.3.5. The College's Project Manager will review and make a recommendation regarding the adjustment in Contract Sum and/or Time proposed by the Contractor to the College. Only the College is authorized to approve adjustments in Contract Sum and/or Time. Approval by the College requires review and administrative processing, based on claim value, in accordance with the Board of Trustees Policy and Procedures, and the following schedule:

- Claims less than $ 25,000 require review and approval by the College's Vice President for Facilities.
- Claims between $ 25,000 and $ 249,999 require review and approval by the College's Vice President for Administrative and Fiscal Services.
- Claims greater than $250,000 require review and approval by the College President.
- All claims exceeding 25% of the original contract value require approval by the College's Board of Trustees as an action item at a monthly business meeting. Items requiring such approval must follow Board of Trustees agenda action item submission requirements. (Normally, action items are placed on the Board meeting agenda at least one month prior to the scheduled meeting date to allow time to conduct necessary internal administrative reviews prior to the Board meeting.)

6.1.3.6 Agreement on any change order shall constitute a final settlement of all matters related to the change in the Work that is the subject of the change order, including but not limited to, all direct and indirect costs, impact costs, cumulative impacts, inefficiencies, and/or costs due to any "ripple effect" associated with such change.

6.1.4. Minor Changes in the Work

6.1.4.1. The College's Project Manager will have authority to order minor changes in the Work not involving adjustment in the Contract Sum or extension of the Contract time and not inconsistent with the intent of the Contract Documents. Such changes shall be effected by written order of the College's Project Manager and shall be binding on the College and Contractor. The Contractor shall carry out such written orders promptly.

ARTICLE 7 – PAYMENTS AND COMPLETION

7.1. SCHEDULE OF VALUES

7.1.1. To facilitate checking the Work performed, the Contractor shall furnish to the College's Project Manager a detailed Schedule of Values of the various parts of the Work, including quantities, aggregating to the Contract Sum. The schedule shall be divided so as to facilitate payments to Subcontractors, if any, made out in the form prescribed by the College's Project Manager, and, if required, supported by such evidence of its correctness as the College's Project Manager may direct. The Schedule of Values cost breakdown shall be used as a basis for Certificates of Payment unless it is found to be in error.

7.1.2. The Schedule of Values shall be submitted as soon as possible, but not less than fifteen (15) days prior to the first scheduled Application for Payment described in the General Conditions.

7.2. PROGRESS PAYMENTS

7.2.1. Application for Payment

7.2.1.1. No later than the 25th day of each month, the Contractor shall submit to the College's Project Manager an original and accurate Application for Payment dated the last day of the month in the form prescribed by the Contract Documents together with the supporting documentation listed herein. Applications for Payment received after the 25th day of each month, or not submitted on an original, or containing erroneous information, or missing the required supporting documentation, shall not be processed during that month's payment cycle. Payments shall be made on the value of Work expected to be completed up to and including the last day of the month based upon the labor and materials incorporated in the Work; and of materials suitably stored at the site; less the aggregate of any previous payments, retainages and amounts withheld under subsection 7.2.1.9. The Applications for Payment, including final payment, shall be reviewed and certified by the College's Project Manager. After reviewing and certifying the amounts due the Contractor, the College's Project Manager will submit the Project Application and the Project Certificate for Payment, along with the Contractor's Applications and Certificates for Payment, to the Architect/Engineer. Based on the Architect/Engineer's observations and valuations of Contractor's Applications for Payment, and the Certifications of the College's Project Manager, the Architect/Engineer will review and certify the amounts due the Contractor and will issue a Project Certificate for Payment.

(1) The Contractor shall promptly pay each Subcontractor, if any, upon receipt of payment from the Owner, out of the amount paid to the Contractor on account of such Subcontractor's Work, the amount to which each Subcontractor is entitled, reflecting the percentage actually retained, if any, from payments to the Contractor on account of the Subcontractor's Work. The Contractor may not withhold from the Subcontractor any portion of the payment due to any cause unrelated to the Subcontractor's performance of the Work on the Project, notwithstanding any prior agreement between Contractor and Subcontractor to the contrary.

7.2.1.2. No later than the 25th day of each month, each Application for Payment shall be supported by the following documentation, each in a form prescribed by the College, or in the case no form is prescribed, on a form provided by the Contractor and approved by the College's Project Manager:

(1) Updated schedule information of Contractor's progress to date, including assessment of progress compared to scheduled completion date.
(2) Subcontractors' certificates, statements and affidavits showing that portions of the Work covered by the Application for Payment have been completed and material included therein have been and will be delivered.
(3) Affidavit from Contractor and Subcontractor on forms prescribed by the College, stating respectively that their work force, subcontractors, vendors and material suppliers have been paid from the proceeds of the last Application for Payment, and will be paid from the current Application for Payment, and that there are no outstanding claims for payment.

7.2.1.3. That part of the payment which is requested on account of materials delivered and suitably stored at the site or other approved location but not incorporated in the Work shall, if required by the College's Project Manager, be conditioned upon submission by the Contractor of bills of sale or upon such other procedure as will establish the College's title to such material or otherwise adequately protect the College's interest as determined by the College's Project Manager, including applicable insurance coverage and cost of transportation to the Project site for those materials and equipment stored off the site.

7.2.1.4. Provided that the Contractor has furnished acceptable payment and performance security equal to 100% of the Contract Sum, from each Application for Payment the College shall withhold as retainage no more than 5% of the amount earned. Unless otherwise agreed to by the College in

writing, the retainage withheld shall be paid within 120 days after satisfactory completion of the Contract or within 120 days after resolution of a dispute or contract claim concerning the satisfactory completion of the Contract, whichever is later. The College reserves the right to withhold from payments otherwise due the Contractor any amount that the College reasonably believes necessary to protect its interest, including, but not limited to, the College concluding in its sole judgment that the Work may not be completed by the date required by the Contract or the Work is otherwise not in conformance with the requirements of the Contract Documents. Following Substantial Completion of the Project, the College in its sole discretion, may authorize reduction of retainage withheld to an amount not less than two (2) times the College's Project Manager's estimate of the value of the Contractor's punch list items.

7.2.1.5. Application for Payment shall be in the format required by the Contract Documents and the College's Project Manager. The Application shall include an itemized breakdown of the various items of the Work based on the previously submitted Schedule of Values.

7.2.1.6. The provisions for payment, withholding, retainage and Certificates of Payments are solely for the benefit of the College, and no other party (including sureties of the Contractor) may assert any claim for negligence or other action against the College, or anyone acting on behalf of the College for waiving or misapplying these provisions.

7.2.1.7. No Certificate issued nor payment made to the Contractor may be construed as an acceptance of the Work or be construed or relied upon as any indication that the labor or materials are in accordance with the Contract Documents or that the amounts paid or certified therefore represent the correct cost or value of the Work or that such amounts are in fact or law due the Contractor.

7.2.1.8. Any Application for Payment which is based on a pending claim for additional compensation may be certified by the College's Project Manager and the Architect/Engineer to the extent that it is determined that the payments yet to be made under the Contract and/or the retainage are sufficient to protect the College. Nothing herein shall be construed as requiring the College's Project Manager and Architect/Engineer to certify such applications or to release retainage. All certifications and payments, including those pursuant to a pending claim, shall be tentative and conditional.

7.2.1.9. In addition to the College's general right to withhold payment as set forth in subsection 7.2.1.4, the College may withhold payment or, on account of subsequently discovered evidence, nullify or reduce the whole or part of any certificate or payment on account of:

(1) failure to update schedules properly as required by subsection 3.7;
(2) failure to furnish the documents required by subsection 7.2.1.1 and 7.2.1.2;
(3) liquidated damages which may be assessed under the Contract Documents or other damages or compensation due the College for claims of the College against the Contractor;
(4) the cost (measured by the contract value or fair market value whichever is greater) of completing unfinished or defective Work not remedied or deductions or amounts due the College under the Contract;
(5) failure of the Contractor to perform any material Contract requirements;
(6) claims filed or likely to be filed against the College for which the Contractor may be liable to the College;
(7) failure of the Contractor to make payments properly to Subcontractors or suppliers for material or labor or amounts claimed by the Contractor's surety or insurer under any right of subrogation;
(8) a reasonable doubt the Work can be completed for the residual balance of the Contract;
(9) damage to another Contractor;
(10) any claim of the College or debt owed to the College by the Contractor;
(11) failure to maintain as-built drawings; or
(12) the cost of completing unfinished warranty Work.

7.3. ACCEPTANCE OF THE WORK AND FINAL PAYMENT

7.3.1. Partial Acceptance

7.3.1.1. If, in its sole discretion, the College desires to occupy any portion of the Work, the College shall have the right to occupy and use those portions of the Work which in the opinion of the College can be used for their intended purpose; provided that the conditions of occupancy and use are established and the responsibilities for the Contractor and the College for maintenance, heat, light, utilities and insurance are mutually agreed to by the Contractor and the College. The College has no obligation to accept the Work in portions. Partial occupancy shall in no way relieve the Contractor of its responsibilities under the Contract.

7.3.1.2. When the College occupies the Work in portions or accepts the Work in portions, if the beneficial use of any accepted portion of the Work as a whole depends on Substantial Completion or beneficial use of any other portion, then, unless otherwise agreed to by the College in writing: (1) warranties on the accepted portions do not begin to run until substantial completion of all portions on which beneficial use of the whole Work depends, and (2) Substantial Completion of the whole Work shall not be deemed to be achieved until Substantial Completion of all portions on which beneficial use of the whole depends.

7.3.2. Substantial Completion and Final Inspection

7.3.2.1. When the Work is substantially completed, the Contractor shall notify the College's Project Manager and Architect/Engineer in writing that the Work will be ready for final inspection and testing on a definite date. Reasonable notice shall be given by the Contractor to permit the College's Project Manager and Architect/Engineer to schedule the final inspection.

7.3.2.1.1 "Substantial Completion" is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the College can occupy or utilize the Work for its intended use.

7.3.2.2. The inspection shall be conducted by the College's Project Manager and the Architect/Engineer. On the basis of the inspection, if it is determined that the Work appears to be substantially complete and the Work appears to be ready for occupancy and usable for its intended purpose, the College's Project Manager and Architect/Engineer shall establish the date of Substantial Completion, shall fix the times at which the warranties will begin, and the Architect/Engineer shall issue a Certificate of Substantial Completion.

7.3.2.3. If it is determined that Substantial Completion has been achieved, the College's Project Manager shall fix the time within which the Contractor shall complete any remaining items of Work which will be indicated on a list (the "punch list"). If the Contractor fails to complete the remaining items so listed in the time stipulated, the College shall have the undisputed right to complete the Work at the Contractor's expense. The Contractor may be required to complete multiple punch lists until the Contract is performed in its entirety. Failure to complete punch list work in a timely manner shall constitute grounds for termination of the Contract for default. Final payment shall not be made until all Contract Work, including all punch list Work, is complete to the satisfaction of the College's Project Manager.

7.3.2.4. Acceptance of the Work as substantially complete shall not excuse or waive any failure of the Contractor to complete the Contract as required by the Contract Documents. The Work shall not be considered substantially complete until (1) all electrical, mechanical, and life safety systems shall be completed and successfully tested and successfully inspected for conformity to all requirements of the Contract Documents and all applicable codes and standards, (2) a certificate of occupancy has been obtained for all parts of the Work and (3) all other requirements for Substantial Completion are met.

7.3.2.5. Upon completion of the Work, the Contractor shall forward to the College's Project Manager a written notice that the Work is ready for final inspection and acceptance and shall also forward to the College's Project Manager a final Application for Payment. The final Application for Payment shall be processed in accordance with Subparagraph 7.3.3. Upon receipt, the College's Project Manager will forward the notice and Application to the Architect/Engineer who with the College's Project Manager will promptly make such inspection. When the Architect/Engineer, based on the recommendation of the College's Project Manager, finds the Work acceptable under the Contract Documents, the Architect/Engineer shall issue a Final Application and Certificate for Payment stating that the Work provided for in the Contract has been completed and is acceptable under the terms and conditions thereof and that the entire balance found to be due to the Contractor and noted in the final application is due and payable. The College's Project Manager and Architect/Engineer may not issue the Final Certificate and Application for Payment until all Work is fully completed and all other obligations of the Contractor under the Contract Documents have been completed.

7.3.3. Application for Final Payment

7.3.3.1. Upon completion of the Work, the Contractor shall prepare and submit to the College's Project Manager an Application for Final Payment. The College's Project Manager and Architect/Engineer will promptly proceed to make any necessary final surveys, to complete any necessary computations of quantities, and to complete other activities necessary to determine the Contractor's right to final payment. The College's Project Manager and Architect/Engineer will certify so much of the Contractor's Application for Final Payment as they consider due, The Contractor shall be informed of all deductions, damages, costs, back-charges, and other charges assessed against the Contractor by the College and the reasons therefore. Notwithstanding what is stated above, prior to or in the absence of a request from the Contractor for final payment, the College may determine the amount of the final payment it considers to be due to the Contractor.

7.3.3.2. If the Contractor disputes the amount determined by the College to be due it, it may initiate a claim under Article 4.4, Claims and Disputes.

7.3.3.3. Acceptance by the Contractor of any payment identified by the College as being a final payment shall operate as an accord and satisfaction and a general release of all claims of the Contractor against the College arising out of or connected with the Contract, except as may be expressly agreed otherwise in writing between the Contractor and the College. No claims by the Contractor may be asserted for the first time after the Contractor submits its Application for Final Payment or after final payment is made by the College.

7.3.3.4. Prior to final payment and before issuance of the College's Project Manager's and Architect/Engineer's final Certificates therefore, the Contractor shall fully comply with the following requirements:

(1) Cleanup the Work area in accordance with the Specifications and federal, state, bi-county, county and local rules and regulations.
(2) Provide a notarized affidavit stating that all monetary obligations to suppliers of material, services, labor and all Subcontractors have been completely fulfilled and discharged.
(3) Complete all punch list Work and furnish to the College's Project Manager all documents, manuals and record (as-built) documents, including all BIM documents, if any.

7.4. ASSIGNMENT OF CONTRACT MONIES

7.4.1. The Contractor shall not assign any monies due to it under the Contract without the consent of the College, and the assignee in such case shall acquire no rights against the College.

7.5. AUDIT

7.5.1. If the Contractor has submitted any claim or request for additional payment exceeding $50,000, or If

the Contractor has submitted cost or pricing data in connection with the pricing of any modification to this Contract, the College shall have the right to examine and audit all books, records, documents, and other data of the Contractor (including computations and projections) related to negotiating, pricing or performing the modification or claim in order to evaluate the accuracy, completeness, and currency of the cost or pricing data. In addition to the above, the Contractor shall make available to the College the original project price estimate and backup takeoffs and records, and the actual monthly or periodic job cost records. If the Contractor fails or refuses to comply with applicable provisions concerning the Contract changes or claims, the College shall have no obligation to make payment to the Contractor for the change or claim.

7.5.2. The Contractor shall permit audit and fiscal and programmatic monitoring of the Work performed under this Contract. The Contractor shall make available at its office at all reasonable times, the materials described in subsection 7.5.1, for examination, audit or reproduction, for 3 years after final payment under the Contract.

7.5.3. If the Contract is completely or partially terminated, the records relating to the Work terminated shall be made available for 3 years after any resulting final termination settlement.

7.5.4. Records pertaining to claims, contract disputes, or to litigation or the settlement of claims arising under or relating to the performance of the Contract shall be made available until final disposition of such appeals, litigation, or claims.

ARTICLE 8 – PROTECTION OF PERSONS AND PROPERTY

8.1. SAFETY PRECAUTIONS AND PROGRAMS

8.1.1. The Contractor shall comply with all applicable laws, ordinances, rules, regulations and lawful orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss.

8.1.2. The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract. Contractor shall comply and cooperate with College safety and security programs.

8.1.3. Except as otherwise directed by the Contract Documents, in the event the Contractor encounters on the site material reasonably believed to be hazardous, including but not limited to asbestos or polychlorinated biphenyl (PCB), which has not been rendered harmless, the Contractor shall immediately stop Work in the area affected and report the condition to the College's Project Manager in writing. The Work in the affected area shall not thereafter be resumed except by written agreement of the College's Project Manager and Contractor if in fact the material is hazardous and has not been rendered harmless. The Work in the affected area shall be resumed in the absence of hazardous material.

8.2. PROTECTION OF PERSONS AND PROPERTY

8.2.1. The Contractor shall take all necessary precautions to ensure the safety of the public and of workers on the job, and to prevent accidents or injury to any persons on, about, or adjacent to the premises where the Work is being performed. The Contractor shall comply with the "Williams-Steiger Occupational Safety and Health Act of 1970, as amended, and all laws, ordinances, codes, rules and regulations relative to safety and the prevention of accidents, and shall also comply with the "Manual of Accident Prevention in Construction" of the Associated General Contractors of America and with the applicable provisions of the American Standard Safety Code for Building Construction, ANSI A 10 Series, unless prevention of accidents is regulated by a more stringent local, State or Federal code, ordinance or law. The Contractor shall erect and properly maintain at all times, as required by laws and regulations and the conditions and progress of the Work, proper safeguards, including minimum provision of six (6) foot fall protection, for the

protection of Workers and the public and shall post signs and other warnings against the dangers created by openings, stairways, falling materials, open excavations and all other hazardous or unsafe conditions. It shall be the Contractor's exclusive responsibility to take all safety precautions which may be necessary to protect all persons and property from injury or damage.

8.2.2. Contractor shall request permission in writing of the College's Project Manager, and have received written permission from the College's Project Manager, prior to the storage, use, or transportation onto the campus of explosives or other hazardous materials or equipment required for the execution of the Work. The Contractor is prohibited from storing, using or transporting hazardous materials or equipment not required for the execution of the Work onto the campus. The Contractor shall exercise the utmost care and shall carry on such activities under the supervision of properly qualified personnel if such written permission has been granted.

8.2.3. All damage or loss to any property referred to in this section, caused in whole or in part by the Contractor, and Subcontractor, and sub-subcontractor, or anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable, shall be remedied by the Contractor, except damage or loss attributable solely due to faulty Drawings or Specifications or to the acts or omissions of the College or Architect/Engineer or anyone employed by either of them or for whose acts either of them may be liable, and not also attributable to the fault or negligence of the Contractor.

8.2.4. The Contractor shall designate a responsible member of its organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated in writing by the Contractor to the College's Project Manager.

8.2.5. Contractor shall not load or permit any part of the Work to be loaded so as to endanger its safety.

8.2.6. In any emergency affecting the safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury or loss. Any additional compensation or extension of time claimed by the Contractor on account of emergency Work shall be determined as provided for in these General Conditions.

8.2.7. The Contractor shall continuously protect the Work and the College's property from damage, injury or loss arising in connection with operations under the Contract Documents. It shall make good any such damage, injury or loss, except such as may be caused solely by agents or employees of the College.

8.2.8. The Contractor shall be solely responsible for all damage due to intrusion and for the proper protection of the Project site from damage due to fire, rain, wind or other causes. The Contractor shall provide sufficient security personnel as it deems necessary for proper protection of the Work and project site at all times. The Contractor shall provide temporary protection to prevent unauthorized persons from obtaining access to the site during the night and at other non-working hours.

8.2.9. The Contractor shall assume sole financial responsibility for vandalism or loss of materials and equipment not covered by Contractor's Builder's Risk insurance.

8.2.10. The Contractor shall protect all streets, sidewalks, light poles, hydrants and concealed or exposed utilities of every description affected by or adjacent to the Work and if such items are damaged by the Contractor or Subcontractors, the Contractor shall make all necessary repairs thereto or replacements thereof at no cost to the College.

8.2.11. Tight wood sheathing or plywood shall be laid under any materials that are stored on finished cement surfaces.

8.2.12. The Contractor shall at all times provide and maintain adequate protection against weather so as to preserve all Work, materials, equipment, apparatus and fixtures free from injury or damage.

8.2.13. The Contractor shall provide and maintain adequate protection for all properties adjacent to the site. When required by law or for the safety of the Work, the Contractor shall shore up, brace, underpin and protect as necessary, foundations and other portions of existing structures which are in any way affected by the operations under the Contract Documents. The Contractor, before commencement of any part of the Work, shall give any notices required to be given to an adjoining landowner or other parties.

8.2.14. The Contractor shall confine its construction equipment, the storage of materials and the operations of workers to the limits indicated by laws, ordinances, permits and as may be established by the College, and shall not unreasonably encumber the premises with construction equipment or material.

8.2.15. The Contractor shall enforce the College's Project Manager's instructions regarding signs, advertisements, fires and smoking.

8.3. FIRE PROTECTION

8.3.1. Adequate precautions shall be taken against fire throughout all the Contractor's and Subcontractors' operations. Flammable material shall be kept at an absolute minimum, and, if any, shall be properly handled and stored. Except as otherwise provided herein, the Contractor shall not permit fires to be built or open salamanders to be used in any part of the Work.

8.3.2. Construction practices, including cutting and welding, and protection during construction shall be in accordance with the published standards of the Industrial Risk Insurers and the National Fire Protection Association; provide a sufficient number of approved portable fire extinguishers, distributed about the project; and use non-freeze type in cold weather.

8.3.3. Gasoline and other flammable liquids shall be stored in and dispensed from Underwriters' Laboratories listed safety containers in conformance with the National Fire Protection Association recommendations. Storage of any flammable liquids, however, shall not be within buildings.

8.3.4. All tarpaulins that may be used for any purpose during construction of the Work shall be made of material which is resistant to fire, water and weather. All tarpaulins shall have the Underwriters' Laboratories approval and shall comply with FS CCC-D-746.

8.3.5. The Contractor shall maintain emergency and fire exits from the Work area, or establish alternative exits satisfactory to the Fire Marshal.

8.3.6. Fire protection and safety during the execution of the Work are the exclusive responsibility of the Contractor.

8.4. EMERGENCIES

8.4.1. In an emergency affecting the safety of life, the Work or adjoining property, the Contractor, without special instructions or authorization from the College's Project Manager, is permitted to act at the Contractor's discretion to prevent such threatened loss or injury. In such an emergency the Contractor shall act prudently and expeditiously to prevent any threatened loss or injury and shall immediately notify the College's Project Manager and the Campus Security Office of such actions.

8.5. ACCIDENTS

8.5.1. The Contractor shall provide at the site, and make available to all workers, medical supplies and equipment necessary to supply first aid service to all persons injured in connection with the Work.

8.5.2. Contractor must promptly report in writing to the College's Project Manager and the Campus Security Office all accidents arising out of, or in connection with, the performance of the Work, whether on or off the site, which caused death, personal injury or property damage, giving full details and statements

of witnesses. In addition, if death or serious damages are caused, the accident shall be reported immediately by telephone or messenger. If any claim is made by anyone against the Contractor or any Subcontractor on account of any accident, the Contractor shall promptly report the facts in writing to the College's Project Manager and the Campus Security Office, giving full details of the claim.

ARTICLE 9 – INSURANCE AND BONDS

9.1. INSURANCE

9.1.1. Unless otherwise indicated in the Contract Documents, the Contractor shall maintain in force at all times during the term of this Agreement, with an insurance carrier licensed to do business in the State of Maryland acceptable to the College, the following minimum insurance coverage. This insurance must be kept in full force and effect during the term of this contract, including all extensions. The insurance must be evidenced by a certificate of insurance, and if requested by the College, the proposed awardees/Contractor shall provide a copy of the insurance policies. The Contractor's insurance shall be primary.

a) Worker's Compensation Insurance covering the Contractor's employees as required by State of Maryland law with the following minimum limits:

Bodily Injury by Accident	$ 100,000 each accident
Bodily Injury by Disease	$ 500,000 policy limit
Bodily Injury by Disease	$ 100,000 each employee.

b) Commercial General Liability Insurance, excluding automobiles owned or hired by the Contractor, with limits as follows:

Bodily Injury and Property Damage:	$ 10,000,000 combined single limit of bodily injury and property damage per occurrence

c) Comprehensive Automobile Liability Insurance, providing bodily injury and property damage coverage for owned vehicles, hired vehicles and non-owned vehicles with limits as follows:

Bodily Injury:	$ 1,000,000 each person
	$ 2,000,000 each occurrence
Property Damage:	$ 2,000,000 each occurrence

d) Builder's Risk Insurance, providing property damage and theft replacement coverage for goods provided and services rendered during construction. For building renovation projects, when custody of the building is turned over to the Contractor, the Builder's Risk policy must additionally include building replacement value.

e) <u>Insured</u> - The College, its elected and appointed officials, officers, consultants, agents and employees must be named as an additional insured and loss payee on Contractor's Commercial and Excess/Umbrella Insurance for liability arising out of Contractor's products, goods and services provided under this Agreement.

9.1.2. Prior to the College signing the Contract, the Contractor shall provide the College with evidence of payment for the above insurance coverage. Any agreement for an extension of time to the Contract shall also include evidence of payment for extending the above insurance coverage for that agreed upon period of time.

9.1.3. These coverages and limits are to be considered minimum requirements under this Agreement and shall in no way limit the liability or obligations of the Contractor. The insurance shall provide that policy coverage will not be canceled, altered or materially changed without sixty (60) calendar days' prior notice

to the College by registered or certified mail. The insurance shall not be limited to claims made only while the policy is in effect.

9.1.4. The Contractor shall furnish the College with a certificate of insurance as evidence of the required coverage. The certificates of insurance must name the College as an additional insured.

9.1.5. In the event that the Contractor's insurance is terminated, the Contractor shall immediately obtain other coverage and any lack of insurance shall be grounds for immediate termination of this Agreement.

9.1.6. For the purposes of this article, the word "licensed" shall be deemed to mean an insurance carrier either licensed or approved to do business in the State of Maryland.

9.2. PERFORMANCE, LABOR AND MATERIAL BONDS AND MAINTENANCE BOND

9.2.1. The College may require the Contractor to furnish bonds. The bonds furnished by the Contractor shall be issued by a surety licensed to conduct business in the State of Maryland. The surety shall be approved by the College. The bonds furnished shall comply in all respects with the requirements of Maryland's Little Miller Act and shall be in the form prescribed by the College.

9.2.2. Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall permit a copy to be made.

9.2.3. If at any time, the surety becomes insolvent, files for bankruptcy or for any reason whatsoever loses its right to do business in the State of Maryland, the Contractor shall, as soon as practicable but no later than within five calendar days, inform the College of this occurrence in writing.

9.2.4. If at any time, the surety becomes insolvent, files for bankruptcy or for any reason whatsoever loses its right to do business in the State of Maryland, the Contractor shall, within ten (10) calendar days after notice from the College to do so, substitute an acceptable bond (or bonds) in such form and sum and signed by such other surety as may be satisfactory to the College.

ARTICLE 10 – CORRECTION OF WORK

10.1. CORRECTION OF WORK

10.1.1. Correction of Work Before Final Payment

10.1.1.1. The Contractor shall promptly remove from the premises all materials, equipment (whether incorporated in the Work or not) and Work rejected by the College's Project Manager as failing to conform to the Contract Documents, and the Contractor shall promptly replace and re-execute all Work under its Contract in accordance with the Contract Documents and without expense to the College and shall bear the expense of making good all Work of other contractors destroyed or damaged by such removal or replacement.

10.1.1.2. If the Contractor fails to correct nonconforming Work and does not proceed with correction of such Work within a reasonable period fixed by written notice from College's Project Manager, the College's Project Manager may remove it and store the salvable materials or equipment at the Contractor's expense. If the Contractor does not pay costs of such removal and storage within ten (10) calendar days after written notice, the College's Project Manager may upon ten (10) additional calendar days written notice sell such materials and equipment at auction or at private sale and shall account for the proceeds thereof, after deducting costs and damages that should have been borne by the Contractor, including compensation for the College's Project Manager's and Architect/Engineer's services and expenses made necessary thereby. If such proceeds of sale do not cover costs which

the Contractor should have borne, the Contract sum shall be reduced by the deficiency. If payments then or thereafter due the Contractor are not sufficient to cover such amount, the Contractor shall pay the difference to the College.

10.1.2. Correction of Work after Substantial Completion of Work

10.1.2.1. If, within one year, or other time period established in the Contract Documents, after the date of Substantial Completion of the Work or designated portion thereof, any of the Work is found to not be in accordance with the Contract Documents, the Contractor, at its own expense shall correct it promptly after receipt of written notice from the College to do so. The Contractor shall pay for such tests and inspections made necessary by the faulty Work. The Contractor shall pay the costs incurred by the College for professional services and expenses, including but not limited to design professional and College's Project Manager fees, required as a result of Work found not in accordance with the Contract Documents, during the correction period. The correction period shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual performance of the Work. This obligation shall survive Final Completion of the Work under the Contract and the Contract Closeout.

10.2. ACCEPTANCE OF NON-CONFORMING WORK

10.2.1. If, in the opinion of the College, it is undesirable to replace any defective or damaged materials or to reconstruct or correct any portion of the Work injured or not performed in accordance with the Contract Documents, the compensation to be paid to the Contractor hereunder shall be reduced by such amount as in the judgment of the College to be equitable. Such adjustment shall be effected whether or not final payment has been made.

ARTICLE 11 – MISCELLANEOUS PROVISIONS

11.1. LEGAL OBLIGATIONS, RELATIONS AND RESPONSIBILITIES

11.1.1. Laws to be Observed

11.1.1.1. The Contractor shall keep fully informed of all Executive Orders, Federal, State, county, bi-county, regional and local laws, ordinances, rules and regulations and all orders and decrees of bodies of tribunals having any jurisdiction or authority, which in any matter affect those engaged or employed on the Work, or which in any way effect the conduct of the Work. It shall at all times observe and comply with all such laws, rules, ordinances, regulations, orders and decrees; it shall protect and indemnify the College and its Project Managers against any such claim or liability arising from or based on the violation of any law, ordinance, regulation, order, or decree, whether by itself or its employees, Subcontractors or suppliers at any tier. Whenever the Contract Documents require the Contractor to comply with provisions of Federal, State or local laws, regulations, ordinances or codes, the Contractor must comply whether such laws, regulations, ordinances or codes are expressly incorporated into the Contract or not.

11.1.1.2. The Contractor must comply with the provisions of the Workers' Compensation Act and Federal, State and local laws relating to hours of labor.

11.1.1.3. This Contract shall be construed and interpreted according to the laws of the State of Maryland, without regard to principles of conflicts of law.

11.1.1.4. If the Contractor observes that the Contract Documents are at variance with any applicable law, ordinance or regulation, it shall promptly notify the College's Project Manager, and any necessary change shall be adjusted as provided in the Contract for changes in the Work. If the Contractor

performs any Work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice, it shall bear all costs arising therefrom.

11.1.2. Regulations

11.1.2.1. Wherever any provision of any section of the Specifications conflicts with any agreements or regulations of any kind at any time in force among members of any Associations, Unions or Councils, which regulate or distinguish what work shall or shall not be included in the work of any particular, the Contractor shall make all necessary arrangements to reconcile any such conflict without delay, damage or cost to the College and without recourse to the College.

11.1.2.2. In case the progress of the Work is affected by any undue delay in furnishing or installing any items of material or equipment required under the Contract because of a conflict involving any such agreement or regulation, the College's Project Manager and Architect/Engineer may require that other material or equipment of equal kind and quality be provided at no additional cost to the College.

11.2. INDEPENDENT CONTRACTOR

11.2.1. The Contractor shall perform the Contract as an independent contractor and shall not be considered as an agent of the College, nor shall any employee or agent of the Contractor be considered subagents of the College. Nothing in this Contract shall be construed as constituting a partnership, joint venture, or agency between the College and Contractor. Other than duties of the College's Project Manager based on authority granted to the College's Project Manager by the College, no acts performed or representations, whether oral or written, made by or with respect to third parties and the Contractor shall be binding on the College.

11.3. EQUAL OPPORTUNITY

11.3.1. During the performance of this Contract, and in accordance with applicable law, the Contractor shall not discriminate in any manner on the basis of age, sex, race, color, religious belief, national origin, creed, status as a qualified individual with a disability or handicap, pregnancy, marital status or status as a disabled veteran or veteran of the Vietnam era.

11.3.2. The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated equally during employment without regard to their age, sex, race, color, religious belief, national origin, creed, status as a qualified individual with a disability or handicap, pregnancy, marital status or status as a disabled veteran or veteran of the Vietnam era. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.

11.3.3. During the performance of this contract, the Contractor agrees that it shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants shall receive consideration for employment without regard to sex, race, age, color, creed, national origin, religious belief, handicap, marital status or status as a disabled veteran or veteran of the Vietnam era. The Contractor further assures the College that, in accordance with the Immigration Reform and Control Act of 1986, it does not and will not discriminate against an individual with respect to hiring, or recruitment or referral for a fee, of the individual for employment or the discharging of the individual from employment because of such individual's national origin or in the case of a citizen or intending citizen, because of such individual's citizenship status.

11.3.4. The Contractor shall comply with all provisions of Executive Order 11246, as amended and of the rules, regulations and relevant orders of the Secretary of Labor.

11.3.5. The Contractor shall furnish all information and reports required by Executive Order 11246, as amended and by the rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and shall permit access to the Contractor's books, records and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.

11.3.6. In the event of the Contractor's noncompliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations or orders, this contract may be canceled, terminated or suspended in whole or in part, or the College may take such other action as may be necessary to obtain compliance. If such noncompliance appears continuing, the College may suspend all Contract payments until the noncompliance has ceased. Any delay in completion of the Contract as the result of the College taking action to obtain compliance with the nondiscrimination clauses of this Contract shall not preclude the imposition and collection of the liquidated damages for each day of delay in completion of the Work as provided for elsewhere in the Contract Documents. The Contractor may also be declared ineligible for further contracts with the College in accordance with procedures authorized in Executive Order 11246, as amended. The College's conceptual rights and remedies provided under this section are in addition to any other rights and remedies as provided in Executive Order 11246, as amended or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law or under this Contract.

11.3.7. Subcontractors shall not be approved by the College without first agreeing to the above terms and conditions, and the Contractor shall include the provisions of subsections (1) through (7) of this section in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246, as amended, so that such provisions shall be binding upon each Subcontractor or vendor. The Contractor shall take such action with respect to any Subcontractor or purchase order as the College may direct as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event the Contractor becomes involved in, or is threatened with, litigation with a Subcontractor or vendor as a result of such direction by the College, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

11.4. COMPLIANCE WITH THE IMMIGRATION REFORM AND CONTROL ACT OF 1986

11.4.1. The Contractor warrants that both the Contractor and/or any subcontractor of the Contractor do not and shall not hire, recruit or refer for a fee, for employment under this Agreement or any subcontract, an alien knowing the alien is an unauthorized alien and hire any individual without complying with the requirements of the Immigration Reform and Control Act of 1986 (hereinafter referred to as "IRCA"), including but not limited to any verification and record keeping requirements. The Contractor agrees to indemnify and save the College, its employees and/or trustees harmless from any loss, costs, damages or other expenses suffered or incurred by the College, its employees and/or trustees by reason of the Contractor's or any subcontractor of the Contractor's noncompliance with "IRCA." The Contractor agrees to defend the College, its employees and/or trustees in any proceeding, action or suit brought against the College, including but not limited to administrative and judicial proceedings, arising out of or alleging noncompliance of the Contractor with "IRCA." The Contractor recognizes that it is the Contractor's responsibility to ensure that all certifications and verifications as required by law are obtained and maintained for the applicable time period.

11.5. ASSURANCE OF NONCONVICTION OF BRIBERY

11.5.1. The Contractor hereby declares and affirms that, to its best knowledge, none of its officers, directors or partners and none of its employees directly involved in obtaining contracts has been convicted of bribery, attempted bribery or conspiracy to bribe under the laws of any state or the Federal Government.

11.6. CONFLICT OF INTEREST

11.6.1. No employee of the College or of the State of Maryland, or any department, commission, agency or branch thereof whose duties as such employee include matters relating to or affecting the subject matter of

this Agreement shall, until such time as the Contractor receives final payment, become or be an employee of the party or parties hereby contracting with the College, the State of Maryland, or any department, commission, agency or branch thereof.

11.7. ASSIGNMENT AND SUBCONTRACTING

11.7.1. Neither the College nor the Contractor shall sell, transfer, assign or otherwise dispose of this Agreement or any portion thereof, or its right, title or interest therein, or its obligations there under, without the written consent of the other. A change in membership of the Contractor's firm of one or more officers shall not constitute an assignment.

11.7.2. The Contractor shall not make any contracts for professional services with any other party for furnishing any of the work or services to be performed under this Agreement without the written approval of the College; however, this provision shall not be taken as requiring the approval of the contract of employment between the Contractor and its personnel assigned for the purposes of performing this Agreement.

11.8. CONTINGENT FEES

11.8.1. The Contractor hereby declares and affirms that neither it nor any of its representatives has employed or retained any person, partnership, corporation, or other entity, other than a bona fide employee or agent working for the Contractor, to solicit or secure this Agreement, and that it has not paid or agreed to pay any person, partnership, corporation, or other entity, other than a bona fide employee or agent, any fee or any other consideration contingent on the making of this Agreement.

11.9. MARYLAND PUBLIC INFORMATION ACT

11.9.1. The College is subject to the Maryland Public Information Act, Title 10 of the State Government Article of the Annotated Code of Maryland. Contractor agrees that it will provide any justification as to why any material, in whole or in part, is deemed to be confidential, proprietary information or secrets and provide any justification of why such materials should not be disclosed pursuant to the Maryland Public Information Act.

11.10. TESTING AND INSPECTION

11.10.1. The College may retain, or may require the Contractor to retain, the services of testing/inspection laboratories/firms to perform the tests and make the required inspections and reports during the course of the Work as specified in the various sections of the Specifications or as required by the College in case of questions as to the strength or suitability of materials. However, for the purpose of preparing and testing design concrete mixes, the Contractor will retain the services of a testing laboratory which shall be other than that retained by the College. The Contractor shall also be responsible for all tests as indicated in the Specifications.

11.10.2. Testing/inspection laboratories/firms shall be responsible for conducting and interpreting the tests, shall state in each report whether or not the specimens tested conform to all requirements of the Contract Documents and shall specifically note deviations, if any, from said requirements. All testing/inspection laboratories/firms shall be subject to the College's approval.

11.10.3. The cost of testing services required solely for the convenience of the Contractor in its scheduling and performance of the Work, and the cost of testing services related to remedial operations performed to correct deficiencies in the Work shall be borne by the Contractor.

11.10.4. The Contractor shall furnish to the College's Project Manager samples of all materials and component parts of the Work required as test specimens in connection with the specified tests, and shall furnish labor and facilities at the site as necessary in connection with testing and inspection services whether such services are performed at the expense of the College or the Contractor.

11.10.5. The nature and scope of testing services performed by an agency retained by the Contractor shall be in accordance with requirements of governing authorities having jurisdiction over the Work and as otherwise specified, and shall be consistent with reasonable standards of engineering practice.

11.10.6. If, in the performance of any testing, control, balancing, adjusting or similar activities to be performed by the Contractor or an agent of the Contractor, it is the opinion of the College's Project Manager that the Contractor or said agent has failed to substantiate its ability to perform such work, the Contractor shall, at its expense, retain the services of a testing laboratory or service organization which is satisfactory to the College's Project Manager for the performance of such work.

11.11. NO WAIVER OF RIGHTS – COLLEGE'S REMEDIES CUMULATIVE – COLLEGE'S DAMAGES

11.11.1. The College shall not be precluded or estopped by any measurement, estimate, change order, contract modification, certificate of payment, or payment from showing the true amount and character of the Work furnished by the Contractor, or from showing that any measurement, estimate, change order, contract modification, certificate of payment, or payment is untrue or was incorrectly made, or from showing that the Work does not in fact conform to the Contract Documents. The College may recover from the Contractor or its sureties, or both, such damages, loss or additional expense incurred as a result of any such error or measurement, estimate, change order, contract modification, certificate of payment, or payment as a result of such failure to conform to the Contract Documents. The College's right in this respect shall not be waived or barred by any inspection, acceptance or approval of the Work, or by payment therefore, or by granting an extension of time, or by taking possession, or by execution of a change order based on the erroneous measurement, estimate, or change order, contract modification, certificate of payment or payment.

11.11.2. The activities of the College's Project Manager, Architect/Engineer and the College respecting this Contract, including inspection of the Work, review of submittals, monitoring of progress, and so forth, are for the benefit of the College only and are not for the benefit of the Contractor. The College's failure to bring to the attention of the Contractor deficiencies in the Work or in the Contractor's performance will not constitute a waiver or excuse of the Contractor's failure to comply strictly with contract requirements.

11.11.3. The waiver by the College of any breach of contract by the Contractor shall not operate as a waiver of any other or subsequent breach.

11.11.4. The rights and remedies of the College and the obligations of the Contractor under various provisions of the Contract Documents and under provisions of the law are cumulative and not exclusive.

11.11.5. For any claim or cause of action accruing to the College as a result of or arising out of this Contract, the College may collect damages of any kind, including consequential damages, or damages for purely economic loss.

11.12 REGISTRATION FOR CORPORATIONS NOT INCORPORATED IN THE STATE OF MARYLAND

Pursuant to 7-201 et seq. of the Corporation and Associations Article of the Annotated Code of Maryland, corporations not incorporated in the State of Maryland shall be registered with the State Department of Assessments and Taxation, 301 West Preston Street, Baltimore, Maryland 21201, before doing any interstate or foreign business in this State. By signing this agreement, the Contractor certifies that it has qualified with the Department of Assessments and Taxation.

ARTICLE 12 – TERMINATION OF THE CONTRACT

12.1. TERMINATION FOR DEFAULT

12.1.1. The performance of the Work or services under this Contract may be terminated by the College, in

whole or in part, from time to time, effective upon receipt of notice, whenever the Contractor shall default in the performance of this Agreement and fails to make progress in the prosecution of the contract work or endangers such performance and shall fail to cure such default within ten (10) calendar days period after receipt of written notification from the College specifying the default.

12.1.2. The College may terminate the Contract if the Contractor;

12.1.2.1. persistently or repeatedly refuses or fails to supply enough properly skilled Workers or materials;

12.1.2.2. fails to make payment to Subcontractors for materials or labor in accordance with their respective agreements between the Contractor and the Subcontractors;

12.1.2.3. persistently disregards laws, ordinances, or rules, regulations or orders of a public authority having jurisdiction;

12.1.2.4. refuses or fails to prosecute the Work, or any separable part thereof with such diligence as shall ensure its completion within the time specified in the Contract or in the extension thereof;

12.1.2.5. fails to complete the Work within the time allotted by the Contract; or

12.1.2.6. is in breach of any material obligation of the Contract, including a breach which may occur after Substantial Completion.

12.1.3. If any of the above reasons exist, the College may without prejudice to any other rights or remedies of the College and after giving the Contractor and the Contractor's surety, if any, seven days written notice, terminate the employment of the Contractor and may, subject to any rights of the surety:

12.1.3.1. take possession of the site and all materials, equipment, tools, and construction equipment and machinery owned by the Contractor; and

12.1.3.2. finish the Work by whatever reasonable means the College may deem is in its interests.

12.1.4. When the College terminates the Contract for one of the reasons stated herein, the Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract Sum exceeds the cost to finish the Work, such excess shall be applied to the Contractor’s unreimbursed costs, if any, accrued from the last payment prior to termination to time of termination. This amount shall become due to the Contractor. Any unreimbursed costs exceeding the difference of unpaid balance of the Contract Sum and the cost to finish the Work shall be lost to the Contractor. If the cost to finish the Work exceeds the Contract Sum, the Contractor shall pay the difference to the College. The amount to be paid to the Contractor or College, as the case may be, shall survive termination of the Contract.

12.2. TERMINATION FOR CONVENIENCE

12.2.1. The College may, at any time, terminate the Contract in whole or in part for the College's convenience and without cause.

12.2.2. Upon receipt of written notice from the College of such termination for the College's convenience, the Contractor shall (1) cease operations as directed by the College in the notice; (2) take actions necessary, or that the College may direct, for the protection and preservation of the Work; and (3) except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

12.2.3. In the case of such termination for the College's convenience, the Contractor shall be entitled to

receive payment from the College for all expenses incurred by it for satisfactory work, including reasonable termination expenses. Upon satisfactory proof that the Contractor would have earned a profit for Work performed prior to the date of termination, the Contractor shall be paid a reasonable amount for profit not to exceed 10% of the Contractor's costs incurred. Under no circumstances shall the Contractor be entitled to payment for anticipated but unearned profit, overhead, and damages. In no event shall the Contractor's cost of the Work and profit, if any, to be reimbursed exceed the Contract Sum as adjusted by approved change orders.

END OF GENERAL CONDITIONS

SUPPLEMENTARY CONDITIONS FOR CONSTRUCTION MANAGER AT RISK CONTRACT

These Supplementary Conditions supplement, modify, add, or delete certain provisions of the General Conditions and apply to Construction Manager at Risk projects.

ARTICLE 1 – GENERAL PROVISIONS

1.1. DEFINITIONS

1.1.3. Add the following sentence: Wherever the term Contractor is used in the Contract it shall mean Construction Manager at Risk ("CMAR").

1.1.4. Add the following sentence: Unless stated otherwise, the General Conditions apply to the Construction Phase of the Project and not to the Preconstruction Phase.

1.1.14. Delete subsection 1.1.14 and replace it with the following: The "Contract Sum" equals the CMAR's Project related Construction Phase expenditures for Direct Construction Costs, and its General Conditions of Construction plus the CMAR's Fee. The Contract Sum may not exceed the Guaranteed Maximum Price.

1.1.25. Add this section as a new subsection 1.1.25: "Preconstruction Phase" means all of the services required in the RFP to be performed by the successful proposer for a lump sum price before the execution of a Guaranteed Maximum Price Amendment.

1.1.26. Add this section as a new subsection 1.1.26: "Construction Phase" means all of the Work described by the Contract Documents to construct the Project following the execution of the Guaranteed Maximum Price Amendment.

1.1.27. Add this section as a new subsection 1.1.27: "Guaranteed Maximum Price Amendment" is as defined in the Request for Proposal.

1.2. CONTRACT DOCUMENTS

1.2.1.4. At subsection 1.2.1.4(3) after "The General Conditions" add "and Supplementary Conditions." The Supplementary Conditions take precedence over the General Conditions in the event of a conflict.

1.2.2.2. At subsection 1.2.2.2, add the phrase "and Supplementary Conditions" after the phrase "The General Conditions."

ARTICLE 3 – CONTRACTOR

3.7 PROSECUTION AND PROGRESS OF WORK

3.7.1.3. Add this section as a new subsection 3.7.1.3: Two Notices to Proceed will be issued on the Project: (1) the Phase 1 "Preconstruction Notice to Proceed" and (2) the Phase 2 "Construction Notice to Proceed."

ARTICLE 4 – ADMINISTRATION OF THE CONTRACT

4.3. SITE VISITS AND OBSERVATIONS

4.3.4. In subsection 4.3.4, in the second sentence, delete the phrase "plus the Contract's approved percentage for overhead and profit" and insert in lieu thereof "without overhead or profit."

4.4. CLAIMS AND DISPUTES

4.4.2. In the second sentence of subsection 4.4.2 following the phrase “investigate such conditions” delete the word “and”, and following the phrase “any part of the Work” delete the balance of the sentence. Following the second sentence add the following sentence: “Contractor’s reasonable costs shall be paid from the Differing Site Conditions allowance.”

4.4.4.3(3) In subsection 4.4.4.3(3) delete the phrase “of 15% for actual additional Work performed by the Contractor’s own forces and”. Add the following sentence: “The Contractor will not be paid an additional markup for overhead and profit.”

ARTICLE 6 – CHANGES IN THE WORK

6.1. CHANGES IN THE WORK

6.1.3. Modification of Contract Sum

6.1.3.2. Delete subsection 6.1.3.2(6) and replace as follows: The Contractor shall receive no markup for overhead and profit unless the final Guaranteed Maximum Price, after taking into account all charges and credits, exceeds the original Guaranteed Maximum Price by more than 5% as a result of changes in the Work ordered by the College. The markup shall be applied only to that part of the final Guaranteed Maximum Price which exceeds 5% of the original Guaranteed Maximum Price due to College’s orders. No other change orders shall count towards the 5%. The markup allowable to the Contractor for profit shall be the lesser of 3% of the cost of the Work or the percentage of the Contractor’s original agreed upon fee to the Contractor’s original agreed upon Guaranteed Maximum Price.

Delete lines D, E and F of the Sample Maximum Mark-Up Calculation and substitute the following:

D.	Contractor’s Bonds and Builder’s Risk Insurance, if required	= as a % of A+B+C
E.	Total Maximum Modification of Contract Sum	= A+B+C+D

6.1.3.3. In the first sentence of subsection 6.1.3.3 add the phrase “for Subcontractors” after the phrase “cost and overhead and profit” and after the phrase “6.1.3.2(6) and (7) and elsewhere” add the phrase “and Contractor’s Fee.”

ARTICLE 7 – PAYMENTS AND COMPLETION

7.1. SCHEDULE OF VALUES. Add at the end of section 7.1 “SCHEDULE OF VALUES” add “AND ACCOUNTING RECORDS”.

7.1.3. Add new subsection 7.1.3, as follows:

7.1.3. Accounting Records

The Contractor shall keep full and detailed records and accounts related to the cost of the Work and exercise such controls as may be necessary for proper financial management under this Contract and to substantiate all costs incurred. The accounting and control systems shall be satisfactory to the College. The College and its auditors shall, during regular business hours and upon reasonable notice, be afforded access to, and shall be permitted to audit and copy, the Contractor’s records and accounts, including complete documentation supporting accounting entries, books, correspondence, instructions, drawings, receipts, subcontracts, Subcontractors’ proposals, purchase orders, vouchers, memoranda and other data or information relating to this Contract. The Contractor shall preserve these records for a period of three years after final payment, or for such longer period as may be required by law.

7.3.3. Delete subsections 7.3.3.1, 7.3.3.2, 7.3.3.3 and 7.3.3.4 and replace with the following subsections

7.3.3.1, 7.3.3.2 and 7.3.3.3. Retitle section 7.3.3 “Final Payment”.

7.3.3.1. Final payment, constituting the entire unpaid balance of the Contract Sum, shall be made by the College to the Contractor when

.1 the Contractor has fully performed the Contract, including the punch list, except for the Contractor’s responsibility to correct Work as provided in subsections 3.4.1.5 and section 10.1, and to satisfy other requirements, if any, which extend beyond final payment;

.2 the Contractor has submitted a final accounting for the cost of the Work and a final Application for Payment;

.3 a final Certificate for Payment has been issued by the Architect/Engineer and the College;

.4 the work area has been cleaned in accordance with the Specifications and federal, state, bi-county, county and local rules and regulations;

.5 a notarized affidavit has been provided stating that all monetary obligations to suppliers of materials, services, labor and all Subcontractors have been completely fulfilled and discharged; and

.6 all documents, manuals and record (as-built) documents have been furnished to the College’s Project Manager.

7.3.3.2. The College’s auditors will review and report in writing on the Contractor’s final accounting within 30 days after delivery of the final accounting to the College’s Project Manager and Architect/Engineer by the Contractor. Based upon such cost of the Work as the College’s auditors report to be substantiated by the Contractor’s final accounting, and provided the other conditions of subsection 7.3.3.1 have been met, the Architect/Engineer will, after receipt of the written report of the College’s auditors, either issue to the College a final Certificate for Payment with a copy to the Contractor, or notify the Contractor and College in writing of the Architect/Engineer’s reasons for withholding a certificate. The College shall review the Architect/Engineer’s final Certificate for Payment and shall either accept it or direct the Architect/Engineer to modify it. The final amount determined by the College shall be the amount payable to the Contractor.

7.3.3.3. If the College’s auditors report the cost of the Work as substantiated by the Contractor’s final accounting to be less than claimed by the Contractor, the Contractor shall be entitled to submit a claim. A claim shall be made by the Contractor within 30 days after the Contractor’s receipt of a copy of the Architect’s final Certificate for Payment, as may be adjusted by the College. Failure to submit a claim within this 30-day period shall result in the substantiated amount reported by the College’s auditors becoming binding on the Contractor. Pending a final resolution of the disputed amount, the College shall pay the Contractor the amount certified in the Architect/Engineer’s final Certificate for Payment, as may be adjusted by the College.

7.5. AUDIT

Add new subsection 7.5.5, as follows: The College’s audit rights are in addition to the audit rights described in subsection 7.3.3.2.

ARTICLE 12 –TERMINATION OF THE CONTRACT

12.2. TERMINATION FOR CONVENIENCE

12.2.3. In subsection 12.2.3, delete the second sentence in its entirety.

SECTION 8 – CONTRACT AND BONDS

Contract between Montgomery College and the Contractor

Montgomery College Guaranteed Maximum Price Amendment

Montgomery College Standard Performance Bond

Labor and Materials Payment Bond

CONTRACT
BETWEEN
MONTGOMERY COLLEGE
AND
_____

Board of Trustees
Montgomery College
Rockville, Maryland 20850

Project Title: CM at Risk for the Macklin Tower (MT) Library Renovation
Rockville Campus

Contract No.: _____

Account No.: _____

This **AGREEMENT** made this _____ day of _____, 2024, by and between the Board of Trustees of **MONTGOMERY COLLEGE**, a public institution of higher education, hereinafter called the "College", and _____, a _____, registered in the State of _____, located at _____, hereinafter called the "Contractor".

WITNESSETH, that the College and the Contractor for the consideration named agree as follows:

1 a) The Contract consists of the following documents:

Requested for Proposal dated _____
Addendum _____ dated _____
Technical Proposal dated _____
Price Proposal dated_____
General Conditions of the Contract
Supplementary Conditions for Construction Manager at Risk Contract

all of which are collectively referred to as the Contract Documents all of which are incorporated into this SFCC as it is fully set forth.

b) The following sections of the General Conditions and Supplementary Conditions for a Construction Manager at Risk Contract apply to the Preconstruction Phase of the Project which is described in the Request for Proposal: 1.1, 1.2, 3.15, 4.4, 9.1, 9.2, 11.1-11.13, 12.1 and 12.2.

2 The Contractor shall completely perform its obligations under the Contract in a timely manner.

3 The Contractor shall diligently prosecute the Preconstruction Work and after the issuance of the Preconstruction Notice to Proceed and shall complete the Work not later than twelve (12) months after the Notice to Proceed.

4 Total monetary compensation to the Contractor for the Preconstruction Phase of the Contract is _____ ($_____).

5 NOTICES

Any notice to be provided shall be sent by first class mail and shall be addressed as follows or as may be later designated in writing:

a) For the College:

Mr. Sherwin A. Collette
Sr. Vice President for Administrative and Fiscal Services
Montgomery College
9221 Corporate Boulevard
Rockville, Maryland 20850

b) For the Contractor:

_____
_____
_____
_____
_____

6 WORK UNDER CONTRACT

Work may not commence under this Contract until all conditions for commencement are met, including execution of the Contract by both parties, compliance with insurance requirements and issuance of any required notice to proceed.

7 ENTIRE AGREEMENT

This Agreement and the other items identified as Contract Documents constitute the entire agreement between the parties except that any change orders issued by the College shall automatically be deemed to be part of this Agreement. Any other changes or additions hereto shall not become binding upon any parties until reduced to writing and signed by both parties.

8 SEVERABILITY

If any provision of this Agreement shall be held illegal, unenforceable, or in conflict with any law governing this Agreement, the validity of the remaining portions shall not be affected thereby.

IN WITNESS WHERETO, the Contractor and the College have hereunto set their hands and seals the day and year first above written.

Montgomery College

_____
Witness

By: _____
Dr. Jermaine Williams, President

Date: _____

Contractor

_____
Witness

By: _____

Date: _____

Fed Tax I.D. No.: _____

This Contract is executed by the Montgomery Community College Board of Trustees pursuant to Board Resolution No. _____, dated _____.

Certify that this Contract has been prepared in accordance with College Policy and Procedures and certify as Account Manager for this account.

Certify that funds are available for this Contract.

Contract No.
Account No
Amount:

_____
Sherwin A. Collette
Sr. Vice President for Administrative and Fiscal Services

_____
Date

End of Form of Contract

GUARANTEED MAXIMUM PRICE AMENDMENT
MACKLIN TOWER (MT) LIBRARY RENOVATION

for the following PROJECT:
(Name and address or location)
Montgomery College
Construction Manager at Risk for the Macklin Tower (MT) Library Renovation
Rockville Campus
51 Mannakee Street
Rockville, Maryland 20850

THE OWNER:
(Name, legal status and address)
Montgomery College
Office of Procurement
9221 Corporate Boulevard, 3rd Floor
Rockville, Maryland 20850

THE CONSTRUCTION MANAGER AT RISK:
(Name, legal status, and address)

ARTICLE 1

1.1 Guaranteed Maximum Price

Pursuant to Section 1.15 of the RFP No. 625-004, the College and Construction Manager at Risk hereby amend the Contract dated _____ to establish a Guaranteed Maximum Price for the Macklin Tower (MT) Library Renovation project on the Rockville Campus. As agreed by the College and Construction Manager at Risk, the Guaranteed Maximum Price No. 1 is an amount that the Contract Sum shall not exceed. The Contract Sum consists of the Construction Manager's Fee plus the GMP Allowances, Construction Manager at Risk Contingency, accepted Alternates, Direct Construction Costs, General Conditions, and all other costs set forth in the RFP.

1.1.1 The Contract Sum for Guaranteed Maximum Price – Macklin Tower (MT) Library Renovation, is guaranteed by the Construction Manager not to exceed _____Dollars and ($_____), subject to additions and deductions by Change Order as provided in the Contract Documents.

1.1.2 Itemized Statement of the Guaranteed Maximum Price – Project 1. Provided below is an itemized statement of the Guaranteed Maximum Price No. 1 organized by trade categories, allowances, contingencies, alternates, the Construction Manager's Fee, and other items that comprise the Guaranteed Maximum Price No. 1 for _____.
(Provide below or reference an attachment.)

1.1.3 The Guaranteed Maximum Price – Macklin Tower (MT) Library Renovation on the Rockville campus is based on the following alternates, if any, which are described in the Contract Documents and are hereby accepted by the College:

NONE.

1.1.4 Allowances included in the Guaranteed Maximum Price, if any:

(Identify allowance and state exclusions, if any, from the allowance price.)

Item	Price

1.1.5 Assumptions, if any, on which the Guaranteed Maximum Price is based:

1.1.6 The Guaranteed Maximum Price is based upon the following Supplementary and other Conditions of the Contract:

Exhibit	Title	Date	Pages

1.1.7 The Guaranteed Maximum Price is based upon the following Specifications:
(Either list the Specifications here or refer to an exhibit attached to this Agreement.)

Section	Title	Date	Pages

1.1.8 The Guaranteed Maximum Price is based upon the following Drawings:
(Either list the Drawings here or refer to an exhibit attached to this Agreement.)

1.1.9 The Guaranteed Maximum Price is based upon the following other documents and information:
(List any other documents or information here, or refer to an exhibit attached to this Agreement.)

.

ARTICLE 2

2.1 The anticipated date of Substantial Completion established by this Amendment:

MONTGOMERY COLLEGE *(Signature)*	**CONSTRUCTION MANAGER** *(Signature)*
Dr. Jermaine Williams, President *(Printed name and title)*	*(Printed name and title)*

GUARANTEED MAXIMUM PRICE AMENDMENT

MACKLIN TOWER (MT) LIBRARY RENOVATION

ROCKVILLE CAMPUS

List of Attachments

Montgomery College
Standard Performance Bond

Any singular reference to Contract, Surety, Owner or Other Party shall be considered plural where applicable.

CONTRACTOR (*Name and Address)*:

SURETY *(Name and Principle Place of Business)*:

OWNER *(Name and Address)*:

CONSTRUCTION CONTRACT
Date:
Amount:
Description (Name and Location):

BOND
Date (Not earlier than Construction Contract Dated):
Amount:
Modifications to this Bond: ☐ None ☐ See Page 3

CONTRACTOR AS PRINCIPAL
Company: (Corporate Seal)

Signature:_____
Name and Title:

SURETY
Company: (Corporate Seal)

Signature:_____
Name and Title:

(Any additional signatures appear on the last page)

(FOR INFORMATION ONLY – Name, Address and Telephone)

AGENT or BROKER:

OWNER'S REPRESENTATIVE (Architect, Engineer or other party)

1 The Contractor and the Surety, jointly and severally, bind themselves, their heirs, executors, and administrators, successors and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.

2 If the Contractor performs the Construction Contract in accordance with its terms, the Surety and the Contractor shall have no obligation under this Bond.

3 Whenever the Contractor shall be declared by the Owner to be in default under the Contract, the Surety shall, at its sole expense, within 15 days after Owner having mailed to Surety a copy of the notice of default sent to Contractor, take one of the following actions:

3.1 Arrange for the Contractor, with consent of the Owner, to perform and complete the Construction Contract; or

3.2 Undertake to perform and complete the Construction Contract itself, through its agents or through independent contractors; or

3.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and the contractor selected with the Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Paragraph 5 in excess of the Balance of the Contract Price incurred by the Owner resulting from the Contractor's default; or

3.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and

.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, tender payment therefor to the Owner; or

.2 Deny liability in whole or in part and notify the Owner citing reasons therefor.

4 If the Surety does not proceed as provided in Paragraph 3, the Surety shall be deemed to be in default on this Bond fifteen days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Subparagraph 3.4, and the Owner refuses the payment tendered or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.

5 After the Owner has terminated the Contractor's right to complete the Construction Contract, and if the Surety elects to act under Subparagraph 3.2 or 3.3 above, then the responsibilities of the Surety to the Owner shall not be greater than those of the Contractor under the Construction Contract. The Surety is obligated without duplication for:

5.1 The responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;

5.2 Additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Paragraph 3;

5.3 Liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor, and

5.4 All other costs and damages permitted to be recovered by the Owner under the Construction Contractor at law.

6 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

7 Any proceeding, legal or equitable, under this Bond may be instituted only in the Circuit Court for Montgomery County, Maryland and the Surety waives venue in any other court.

8 Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the signature page.

9 This Bond had been furnished to comply with a statutory or other legal requirement of the State of Maryland. Any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted here from and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

10 DEFINITIONS

10.1 Balance of the Contract Price: The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

10.2 Construction Contract: The agreement between the Owner and the Contractor identified on the signature page, including all Contract Documents and changes thereto.

10.3 Contractor Default: Failure of the Contractor, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Construction Contract.

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL
Company: (Corporate Seal)

Signature:_____
Name and Title:
Address:

SURETY
Company: (Corporate Seal)

Signature:_____
Name and Title:
Address:

PAYMENT BOND

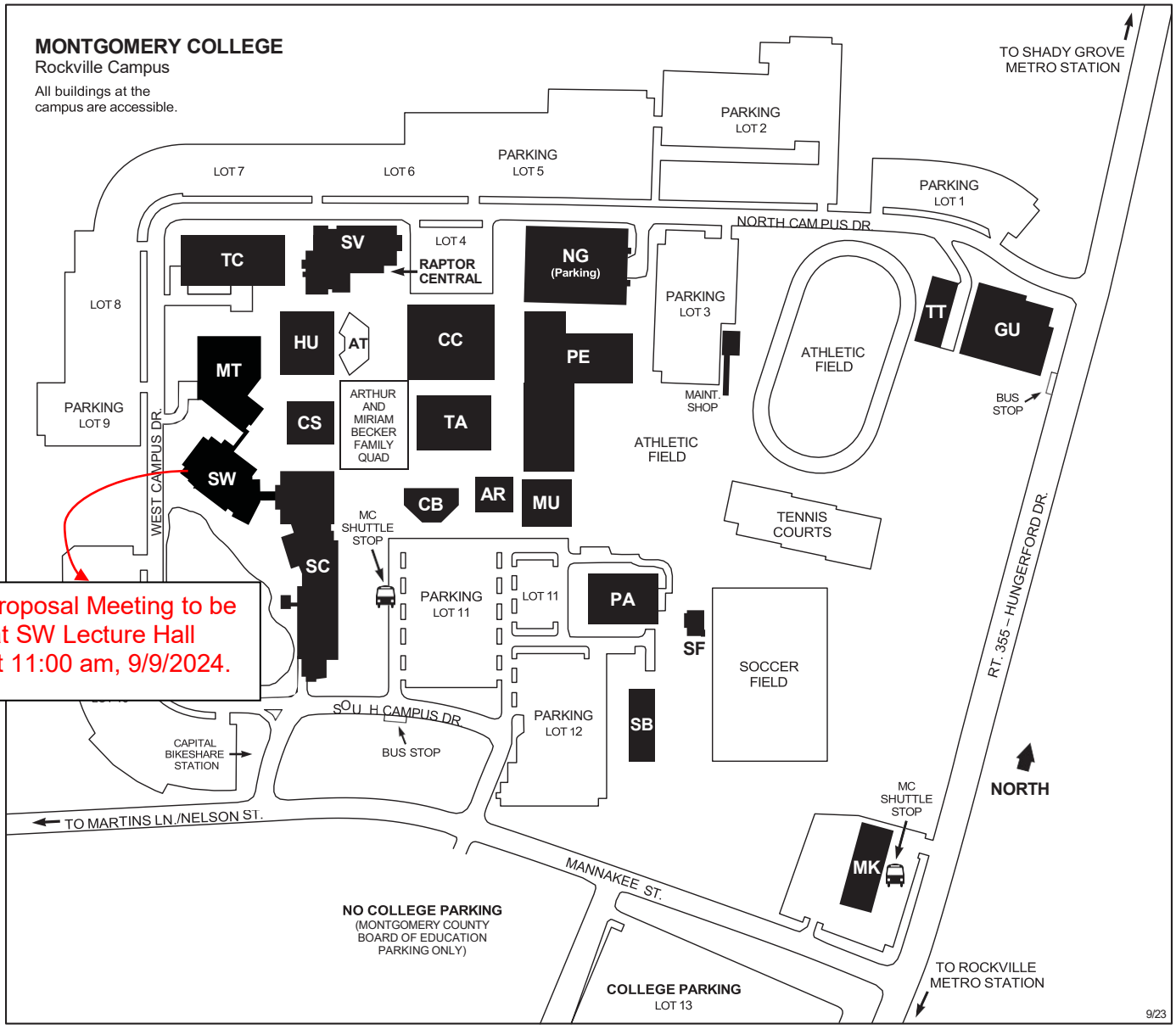
Use AIA Document A312-2010, Payment Bond

APPENDIX A – PRE-PROPOSAL MEETING LOCATION ON THE ROCKVILLE CAMPUS

Pre-Proposal Meeting Location on the Rockville Campus

APPENDIX A

MONTGOMERY COLLEGE
Rockville Campus



Pre-Proposal Meeting to be held at SW Lecture Hall 301 at 11:00 am, 9/9/2024.

MONTGOMERY COLLEGE
Rockville Campus
51 Mannakee Street
Rockville, MD 20850
240-567-5000; TTY 301-294-9672
Public Safety: 240-567-3333 (24/7)
montgomerycollege.edu/safety
montgomerycollege.edu/maps

Legend of Campus Buildings
(as of September 2023)

- AR Paul Peck Art Building
- AT Amphitheatre
- CB Academic Annex
- CC Campus Center
  - *Bookstore*
  - *Cafeteria*
  - *Workforce Development and Continuing Education (WDCE)*
- CS Computer Science Building
- GU Homer S. Gudelsky Institute for Technical Education
- HU Humanities Building
- MK Mannakee Building
  - *Center for Training Excellence*
  - *ignITe Hub*
- MT Gordon and Marilyn Macklin Tower
  - *Library*
- MU Music Building
- NG North Garage (parking)
- PA Robert E. Parilla Performing Arts Center
- PE Physical Education Center
- SB South Campus Instruction Building
- SC Science Center
- SF Soccer Field Concession Building
- SV Long Nguyen and Kimmy Duong Student Services Center
  - *Assessment and Testing Centers*
  - *Counseling and Advising*
  - *Disability Support Services*
  - *Financial Aid Office*
  - *Public Safety Office*
  - *Raptor Central (Admissions, Enrollment, Visitor Services)*
  - *Records and Registration Office*
  - *Student Life Office*
- SW Science Center West
- TA Theatre Arts Building
- TC Technical Center
- TT Interim Technical Training Center

APPENDIX B – MARYLAND PREVAILING WAGE DETERMINATION AND PREVAILING WAGE INSTRUCTIONS

State of Maryland Department of Labor, Licensing and Regulation (DLLR)
Prevailing Wage Determination and Prevailing Wage Instructions
for the Contractor and Subcontractor

TO BE PROVIDED AT ISSUANCE OF TRADE PACKAGE.

APPENDIX C – MACKLIN TOWER LIBRARY RENOVATION SCHEMATIC DESIGN

Macklin Tower Library Renovation, Rockville Campus
Schematic Design Package, August 28, 2024
Hord Coplan Macht, Inc.

MONTGOMERY COLLEGE

MACKLIN TOWER LIBRARY

Renovation

Schematic Design Package

August 28, 2024

hord | coplan | macht

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Audio Visual & Telecom Design Intent Narrative
Structural Design Intent Narrative

SECTION 04 | DESIGN PARAMETERS

Design Intent Documents
Outline Specifications

SECTION 05 | APPENDIX

Meeting Minutes
Schematic Design Drawings
ADA Report
Asbestos Report

SECTION 01

Project Team
Executive Summary

SECTION 01 | PROJECT TEAM

MONTGOMERY COLLEGE
ROCKVILLE CAMPUS
51 Mannakee Street
Rockville, MD 20850
montgomerycollege.edu

ARCHITECTURE
HORD COPLAN MACHT, INC.
700 East Pratt Street, Suite 1200
Baltimore, MD 21202
hcm2.com

STRUCTURAL
A+F ENGINEERS
1112 16th Street NW, Suite 920
Washington, DC 20036
af-engineers.com

MECHANICAL/ELECTRICAL/PLUMBING
JAMES POSEY ASSOCIATES.
11155 Red Run Boulevard, Suite 310
Baltimore, MD 21117
jamesposey.com

IT/AV/ACOUSTICS
CONVERGENT TECHNOLOGIES DESIGN GROUP, INC.
6501 York Road
Baltimore, MD 21212
ctdginc.com

COST ESTIMATING
FORELLA GROUP
5180 Parkstone Drive, Suite 250
Chantilly, VA 20151
forellagroup.com

COMISSIONING AGENT
TBD
Tbd
Tbd
Tbd

LEED CONSULTANT
TBD
Tbd
Tbd
Tbd

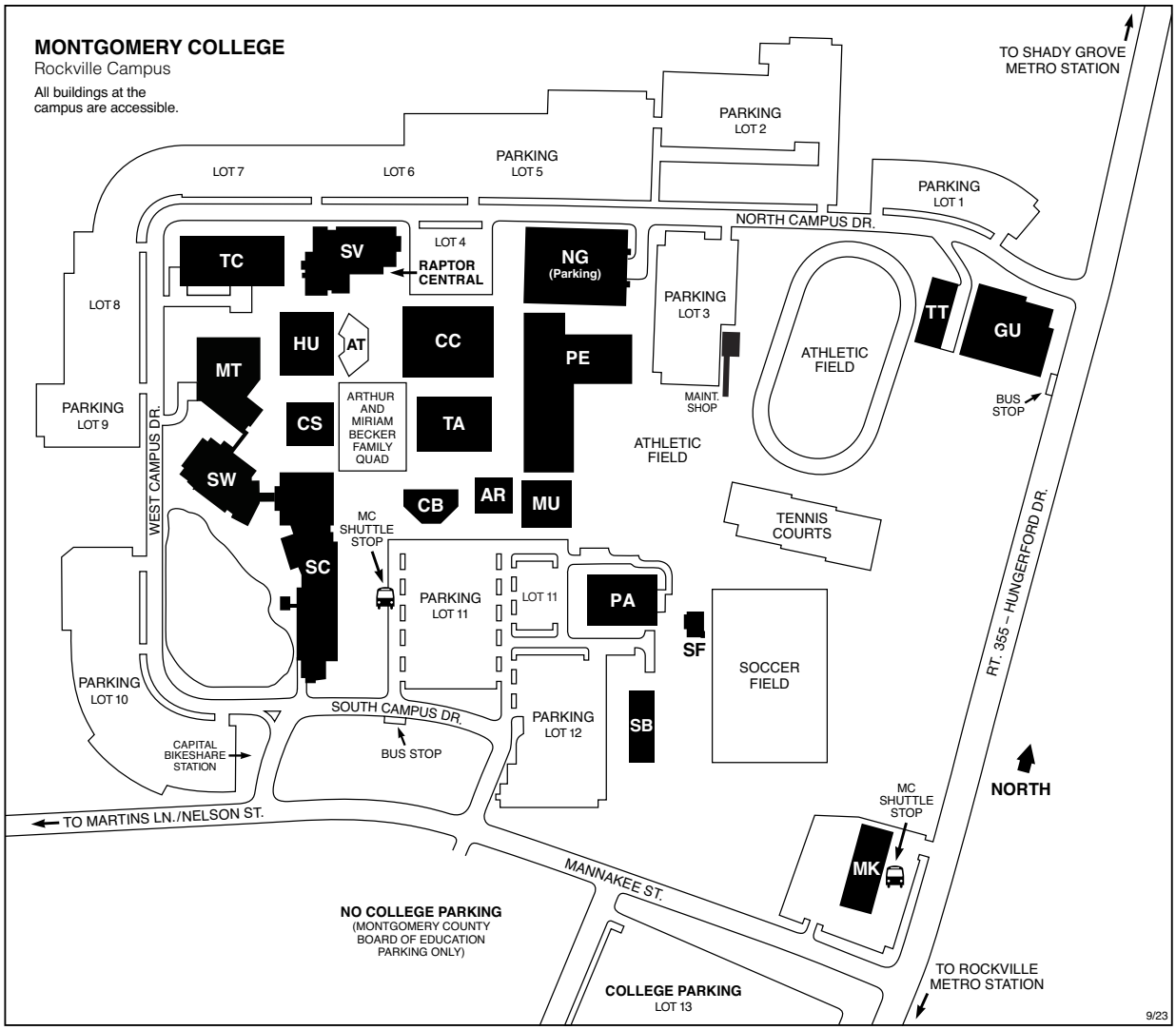
CONSTRUCTION MANAGER
TBD
Tbd
Tbd
Tbd

SECTION 01 | EXECUTIVE SUMMARY

This document marks the completion of the Schematic Design Phase for the Renovation of Macklin Tower Library. It provides additional information that compliments the Schematic Design drawings and provides information for the development of a construction cost estimate.

The project, as proposed, is for the renovation of roughly 60,000 GSF over the first three floors (Library), and portions of Macklin Tower which include main floor concourse, Level three offices & basement utility rooms. This renovation supports the college's strategic mission and goals of advancing the "One College" approach; Providing a common student experience at each campus through consistent and improved student programs and services to support student retetion, achievement and degree completion. The library will be transformed into a "Learning Commons" to include more student-centered spaces inclusive of a variety of individual and group study spaces that have convenient access to collections, resources and technology. Floorplans will be revised to address current and projected space deficiences and needs generated by the planned ten-year student enrollment and employee growth. The final proeduct will deliver a space that is configured, furnished and equipped support the new functional library service model desired by the College at each campus. It will also address the deffered maintenance backlog for the first three floors of Macklin Tower. Lastly, there will be a complete building system and equipment upgrades for modernization to improve energy efficiency and provide acceptable and comfortable ambient environmental conditions to optimize the user experience.

**MT Pictured below is location of Macklin Tower Library



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SECTION 02

Prroject Goals & Principle Summary
Confirmation of Requirements
Tabulation of Areas

GUIDING PRINCIPLES

1. Welcoming and Inclusive building to a diverse population of users.
2. Develop attractive spaces for users who will end up seeing the library as a destination.
3. Creates an environment that enhances outcomes and wellbeing. A habitable safe building inside and out.
4. Fosters connections and collaborations that lead to a strong sense of identity and community.
5. Increase zones for privacy and focus while maintaining areas for gathering and learning.
6. Provides modern tools and technology to accommodate current and future needs.
7. Design that enhances growth, flexibility and adaptability for students, faculty and staff.
8. Upgrade internal infrastructure with systems integration for building efficiency and sustainability..
9. Minimize unforeseen events through being thorough, well detailed and thoughtfully coordinated design documents.
10. Brings both the local and global Montgomery College community together to convene for knowledge sharing and events.

Confirmation of Requirements

hord | coplan | macht

Montgomery College - Rockville Campus
Macklin Tower Library Renovation
06.07.2024
Updates:
07.17.2024

Program Area	EXISTING PROGRAM SPACES: Existing Qty. of Spaces	Existing NSF/ Space	Existing Room Nos | Notes	PROPOSED PROGRAM: NSF/ Space	Qty. of Spaces	Total NSF	Mult.	NASF	NSF Variance Existing/ Proposed	# Staff/ Students/ Area	Notes
Education Spaces											
Classroom #1	0	0		1,200	1	1,200	1.0	1,200	1200	37	36 Students (Flexibile) + 1 Instructor. Moved to LVL 1
Classroom #2	0	0		1,200	1	1,200	1.0	1,200	1200	37	36 Students (Flexibile) + 1 Instructor. Moved to LVL 1
Classroom #3???	0	0		350	1	350	1.0	350	350	15	*Flex Use Room? (Remote Learning / Conference / Event)*
Education Total				**2,750**		**2,750**		**2,750**	**2,750**		
Study & Lab Spaces											
Group Study Room #1	0	0		175	1	175	1.0	175	175	8	Shared Family Suite
Group Study Room #2	0	0		140	1	140	1.0	140	140	6	Medium
Group Study Room #3	0	0		175	1	175	1.0	175	175	8	Medium
Group Study Room #4	0	0		175	1	175	1.0	175	175	8	Medium
Group Study Room #5	0	0		250	1	250	1.0	250	250	12	Large
Group Study Room #6-10	0	0		100	4	400	1.0	400	400	4	Small
Open Study - Lvl 1	0	0		650	1	650	1.0	650	650		Integrate w/ Collections & Shelving via flex furniture
Open Study - Lvl 2	0	0		4,000	1	4,000	1.0	4,000	4,000		Integrate w/ Collections & Shelving via flex furniture
Open Study - Lvl 3	0	0		4,000	1	4,000	1.0	4,000	4,000		Integrate w/ Collections & Shelving via flex furniture
Technology & Labs											
Computer Study	0	0		1,200	1	1,200	1.0	1,200	1,200	60	Level 1 - Located near Technology Suite
Assistive Technology	0	0		75	1	75	1.0	75	75	2	Level 1 - Connected to Computer Study Area
Private Study / Single Zoom Rooms	0	0		80	30	2,400	1.0	2,400	2,400	1	***Final Quantity TBD - Placeholder for now***
Media Room	0	0		100	1	100	1.0	100	100	4	*School will need dedicated space. Equipment TBD*
Study Total				**11,120**		**13,740**		**13,740**	**13,740**		
Office & Conference											
Offices											
Private Office (Unassigned)	0	0		120	12	1,440	1.0	1,440	1,440	3	***Final Quantity TBD - Placeholder for now***
Workstations (Unassigned)	0	0		80	16	1,280	1.0	1,280	1,280	1	***Final Quantity TBD - Placeholder for now***
Hotel Stations (Unassigned)	0	0		80	2	160	1.0	160	160	2	***Final Quantity TBD - Placeholder for now***
Subtotal Offices	**0**	**0**		**280**	**30**	**2,880**		**2,880**	**2,880**		
Conference Rooms											
Conference Room - Small	0	0		200	1	200	1.0	200	200	6	Part of Resource & Collections Area
Conference Room - Medium	0	0		300	1	300	1.0	300	300	10	Shared space w/ Library.
Subtotal Conference Rooms	**0**	**0**		**500**	**2**	**500**		**500**	**500**		
Office Total				**780**		**3,380**		**3,380**	**3,380**		
Research & Collections											
Stacks											
Collections - Lvl 1	0	0		500	1	500	1.3	650	500	0	***MC to Confirm Collection Volumn & LF requirements***
Collections - Lvl 2	0	0		3,250	1	3,250	1.3	4,225	3250	0	***MC to Confirm Collection Volumn & LF requirements***
Collections - Lvl 3	0	0		3,250	1	3,250	1.3	4,225	3250	0	***MC to Confirm Collection Volumn & LF requirements***
Research Total				**7,000**		**7,000**		**9,100**	**7000**		
Processing & Service											
Access Services Suite											
Display	0	0		100	1	100	1.0	100	100		Display behind service desks or Entry
Service Desk	0	0		400	1	400	1.3	520	400	4	Reduced footprint w/ on-the-fly research consult capabilities
Collections	0	0		150	1	150	1.3	195	150		Text book collections incorproated into service desk area.
Cart Storage	0	0		100	1	100	1.3	130	100		Adjacent w/ Service desk
Services Total				**750**		**750**		**945**	**750**		
Support Spaces & Common Areas											
Lounge	0	0		800	1	800	1.0	800	800	40	Level 1 - Public Lounge
Vending	0	0		100	1	100	1.0	100	100		Level 1 - Lobby
Break Room / Kitchenette	0	0		400	1	400	1.3	520	400	8	(1 break room @ 250 sf) (2 Kithcnettes @ 75 sf each)
Utility Rooms (Jan & AV)	0	0		80	3	240	1.0	240	240		Stacked per floor
Restrooms - Gendered	0	0		300	4	1,200	1.0	1,200	1200		(1 Mens & 1 Womens - Lvl 2 & Lvl 3) - sf TBD per occupancy
Restrooms - Gender Neutral	0	0		600	1	600	1.0	600	600		(Lvl 1) - sf TBD per Occupancy Calculations
General Storage	0	0		100	3	300	1.0	300	300		1 room stacked per floor
Workrooms	0	0		300	2	600	1.3	780	600	6	(1 @ Access Services, 2 @ Research & Collections)
MDF Room	0	0		200	1	200	1.0	200	200		Location TBD
IDF Room	0	0		120	2	240	1.0	240	240		1 room stacked per floor (Lvl 2 & Lvl 3)
Neurodivergent Space	0	0		200	1	200	1.0	200	200		***Confirm w/ DSS on special requirements***
Support Total		**0**		**3,200**		**4,880**		**5,180**	**4880**		

Summary of Departments	Total NSF	NASF	Notes
Education Spaces	2,750	2,750	
Study Spaces	13,740	13,740	
Office | Conference	3,380	3,380	
Research | Collections	7,000	9,100	
Processing | Services	750	945	
Support Space | Common Areas	4,880	5,180	

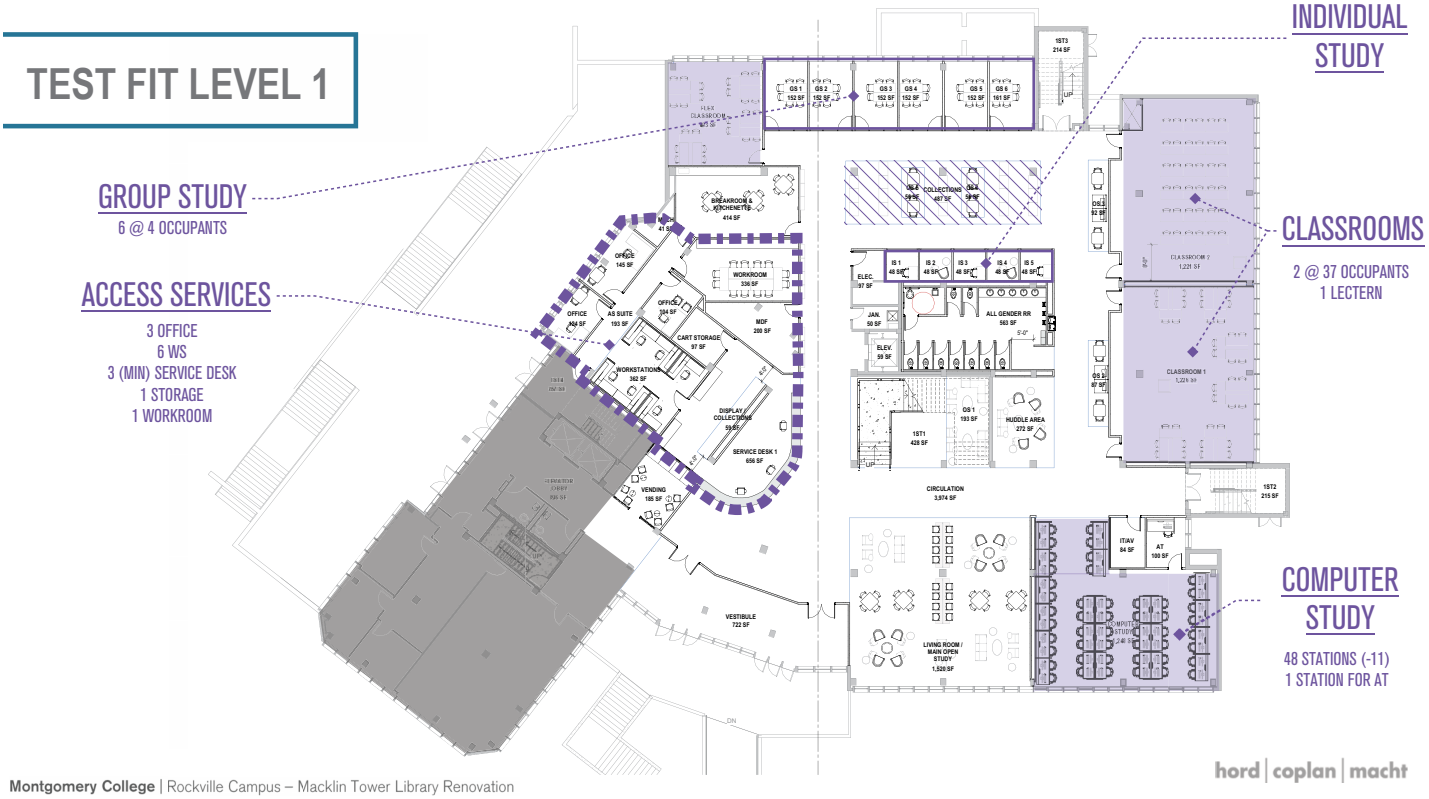
Total Net Assignable Square Feet	**32,500**	**35,095**
Available Square Feet from 65% Grossing Factor		**18,897**
TOTAL GROSS SQ FT - 65% Efficiency	*	**53,992**

***note: adjust efficiency factor as needed for project type**

Interior Renovation Const cost/SF (MAX)
$300 $16,197,692

Estimate cost/SF (2020 Programming)
$212 $11,446,369

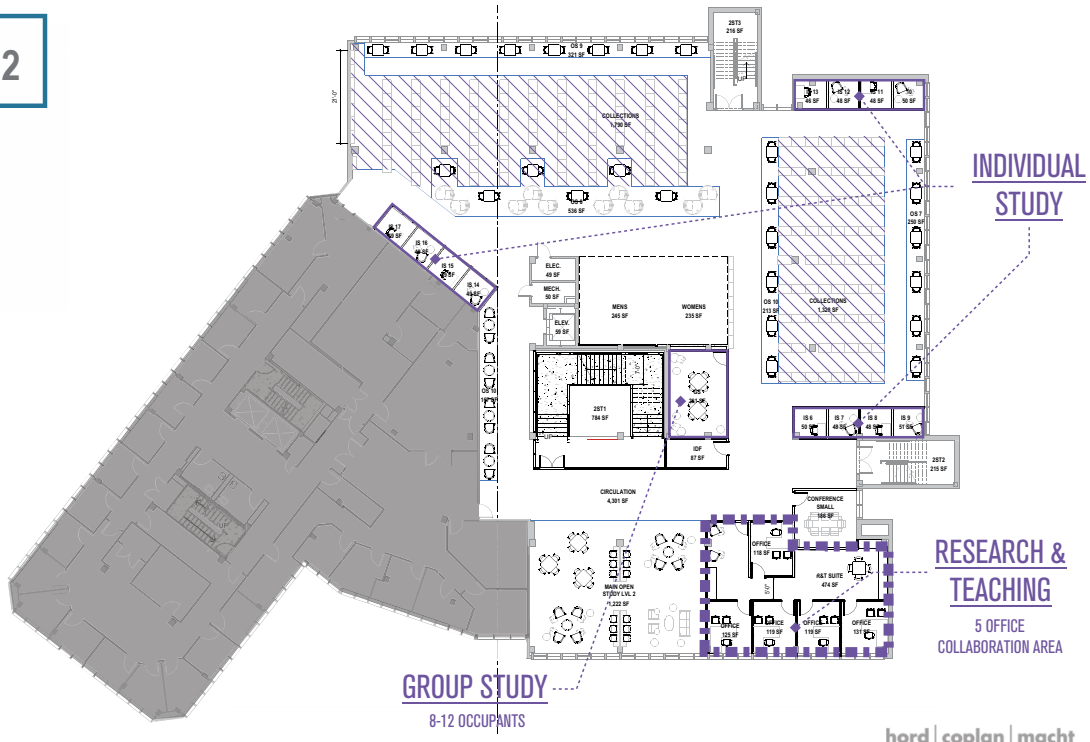
Tabulation of Areas



Montgomery College | Rockville Campus – Macklin Tower Library Renovation

Tabulation of Areas

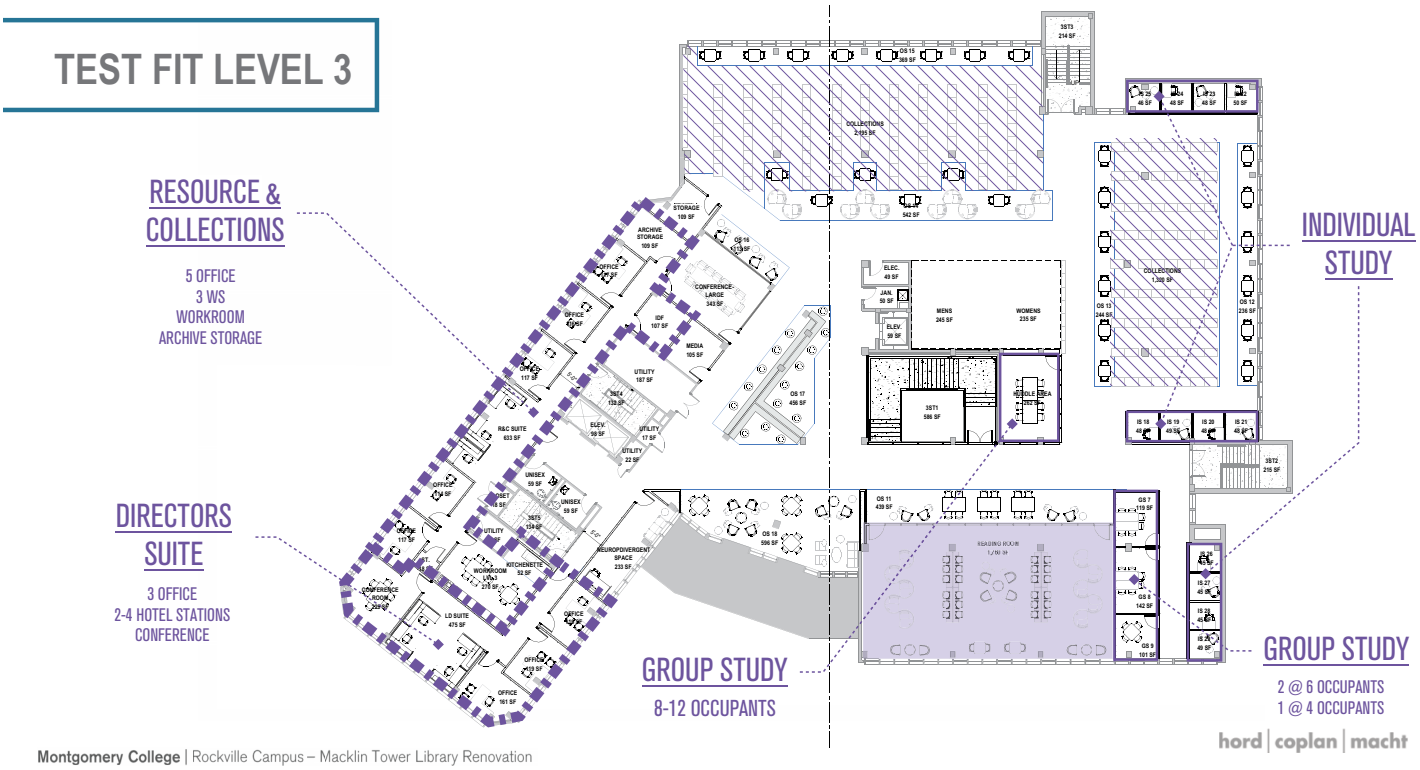
TEST FIT LEVEL 2



Montgomery College | Rockville Campus – Macklin Tower Library Renovation

Tabulation of Areas

TEST FIT LEVEL 3



SECTION 03

Statement of Project Goals & Scope of Work Narrative
Area Tabulations
Architectural Design Intent Narrative
Interior Design Intent Narrative
MEP Design Intent Narrative
Energy Analysis Design Intent Narrative
Audio Visual & Telecom Design Intent Narrative
Structural Design Intent Narrative

PROJECT GOALS:

PROMOTE NATURAL & DAY LIGHTING THROUGHOUT THE COMMONS

IMPROVE CIRCULATION & REVITALIZE THE CORE

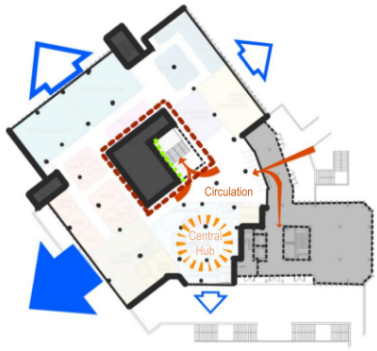
ENAHANCE THE NUMBER OF INDIVIDUAL & GROUP STUDY SPACES

CREATE A LEARNING COMMONS THAT'S A DESTINATION

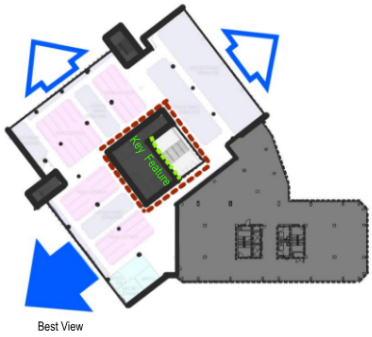
UPGRADE FACILITIES FOR A SUSTAINABLE FUTURE

SCOPE OF WORK NARRATIVE:

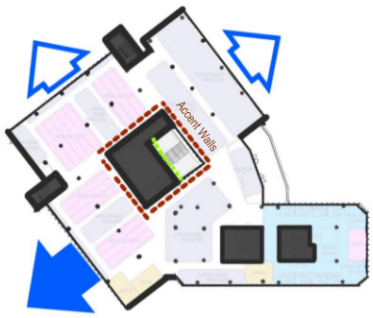
Proposed work comprises interior renovations resulting in no change in occupancy classification and consisting of the following: complete reconfiguration of program spaces on levels 1, 2 & 3; minor structural modifications to slab penetrations and main library stair; replacement of restroom facilities in the library; replacement of ceiling systems on levels 1, 2, & 3; and resulting required HVAC, plumbing, fire protection, electrical, telecommunication, and AV systems renovations.



LEVEL 1



LEVEL 2



LEVEL 3

Area Tabulations

LIFE SAFETY-OCCUPANCY - LEVEL 1				
NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCC. LOAD
OS 3	96 SF	ASM. UNCONC.	15 SF - NET	7
OS 2	91 SF	ASM. UNCONC.	15 SF - NET	7
GS 5	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 4	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 3	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 2	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 1	159 SF	ASM. UNCONC.	15 SF - NET	11
OS 5	56 SF	ASM. UNCONC.	15 SF - NET	4
OS 4	56 SF	ASM. UNCONC.	15 SF - NET	4
MAIN OPEN STUDY	1,548 SF	ASM. UNCONC.	15 SF - NET	104
OS 1	200 SF	ASM. UNCONC.	15 SF - NET	14
GS 6	169 SF	ASM. UNCONC.	15 SF - NET	12
WORKSTATIONS	369 SF	BIZ. CONC.	50 SF - GROSS	8
BREAKROOM & KITCHENETTE	487 SF	BUSINESS	150 SF - GROSS	4
WORKROOM	384 SF	BUSINESS	150 SF - GROSS	3
IS 5	52 SF	BUSINESS	150 SF - GROSS	1
IS 4	52 SF	BUSINESS	150 SF - GROSS	1
IS 3	52 SF	BUSINESS	150 SF - GROSS	1
IS 2	52 SF	BUSINESS	150 SF - GROSS	1
AT	145 SF	BUSINESS	150 SF - GROSS	1
OFFICE	131 SF	BUSINESS	150 SF - GROSS	1
SERVICE DESK	706 SF	BUSINESS	150 SF - GROSS	5
VENDING	191 SF	BUSINESS	150 SF - GROSS	2
JAN.	59 SF	BUSINESS	150 SF - GROSS	1
OFFICE	157 SF	BUSINESS	150 SF - GROSS	2
OFFICE	108 SF	BUSINESS	150 SF - GROSS	1
VESTIBULE	729 SF	BUSINESS	150 SF - GROSS	5
ALL GENDER RR	602 SF	BUSINESS	150 SF - GROSS	5
IS 1	52 SF	BUSINESS	150 SF - GROSS	1
1ST1	437 SF	BUSINESS	150 SF - GROSS	3
MAIN CORRIDOR	4,140 SF	BUSINESS	150 SF - GROSS	28
ELEV.	51 SF	BUSINESS	150 SF - GROSS	1
AS CORRIDOR	183 SF	BUSINESS	150 SF - GROSS	2
1ST3	228 SF	BUSINESS	150 SF - GROSS	2
1ST2	219 SF	BUSINESS	150 SF - GROSS	2
CLASSROOM 1	1,243 SF	CLASS RM.	20 SF - NET	63
CLASSROOM 2	1,239 SF	CLASS RM.	20 SF - NET	62
FLEX CLASSROOM	510 SF	CLASS RM.	20 SF - NET	26
COMPUTER STUDY	1,433 SF	CLASS RM.	20 SF - NET	72
CART STORAGE	107 SF	MECH.	300 SF - GROSS	1
ELEC.	108 SF	MECH.	300 SF - GROSS	1
MDF	212 SF	MECH.	300 SF - GROSS	1
CLOSET	25 SF	MECH.	300 SF - GROSS	1
AV CLOSET	74 SF	MECH.	300 SF - GROSS	1
COLLECTIONS	435 SF	STACKS	100 SF - GROSS	5
	17,980 SF			521
	17,980 SF			521

Area Tabulations

LIFE SAFETY-OCCUPANCY - LEVEL 2				
NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCC. LOAD
SHAFT	83 SF			
OS 7	253 SF	ASM. UNCONC.	15 SF - NET	17
OS 10	171 SF	ASM. UNCONC.	15 SF - NET	12
OS 8	536 SF	ASM. UNCONC.	15 SF - NET	36
OS 11	169 SF	ASM. UNCONC.	15 SF - NET	12
MAIN OPEN STUDY LVL 2	1,233 SF	ASM. UNCONC.	15 SF - NET	83
CONFERENCE - SMALL	197 SF	ASM. UNCONC.	15 SF - NET	14
LOW SENSORY SPACE	139 SF	ASM. UNCONC.	15 SF - NET	10
OS 9	323 SF	ASM. UNCONC.	15 SF - NET	22
WORK AREA	189 SF	BIZ. CONC.	50 SF - GROSS	4
IS 17	51 SF	BUSINESS	150 SF - GROSS	1
IS 16	52 SF	BUSINESS	150 SF - GROSS	1
IS 15	52 SF	BUSINESS	150 SF - GROSS	1
IS 14	52 SF	BUSINESS	150 SF - GROSS	1
OFFICE	119 SF	BUSINESS	150 SF - GROSS	1
OFFICE	127 SF	BUSINESS	150 SF - GROSS	1
OFFICE	127 SF	BUSINESS	150 SF - GROSS	1
OFFICE	137 SF	BUSINESS	150 SF - GROSS	1
IS 8	53 SF	BUSINESS	150 SF - GROSS	1
IS 7	53 SF	BUSINESS	150 SF - GROSS	1
IS 6	56 SF	BUSINESS	150 SF - GROSS	1
IS 10	53 SF	BUSINESS	150 SF - GROSS	1
IS 11	51 SF	BUSINESS	150 SF - GROSS	1
IS 12	51 SF	BUSINESS	150 SF - GROSS	1
IS 13	51 SF	BUSINESS	150 SF - GROSS	1
MEN	201 SF	BUSINESS	150 SF - GROSS	2
WOMEN	205 SF	BUSINESS	150 SF - GROSS	2
ELEV.	67 SF	BUSINESS	150 SF - GROSS	1
IS 9	56 SF	BUSINESS	150 SF - GROSS	1
R&T SUITE CORRIDOR	303 SF	BUSINESS	150 SF - GROSS	3
CIRCULATION	4,434 SF	BUSINESS	150 SF - GROSS	30
2ST1	798 SF	BUSINESS	150 SF - GROSS	6
OFFICE	124 SF	BUSINESS	150 SF - GROSS	1
2ST2	224 SF	BUSINESS	150 SF - GROSS	2
2ST3	225 SF	BUSINESS	150 SF - GROSS	2
ELEC.	58 SF	MECH.	300 SF - GROSS	1
MECH.	59 SF	MECH.	300 SF - GROSS	1
IDF	132 SF	MECH.	300 SF - GROSS	1
STORAGE	112 SF	MECH.	300 SF - GROSS	1
COLLECTIONS	1,336 SF	STACKS	100 SF - GROSS	14
COLLECTIONS	1,804 SF	STACKS	100 SF - GROSS	19
	14,514 SF			312
	14,514 SF			312

Area Tabulations

LIFE SAFETY-OCCUPANCY - LEVEL 3				
NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCC. LOAD
SHAFT	83 SF			
OS 14	276 SF	ASM. UNCONC.	15 SF - NET	19
OS 13	174 SF	ASM. UNCONC.	15 SF - NET	12
OS 16	542 SF	ASM. UNCONC.	15 SF - NET	37
OS 15	371 SF	ASM. UNCONC.	15 SF - NET	25
OS 18	461 SF	ASM. UNCONC.	15 SF - NET	31
CONFERENCE - LARGE	353 SF	ASM. UNCONC.	15 SF - NET	24
OS 17	114 SF	ASM. UNCONC.	15 SF - NET	8
GS 7	149 SF	ASM. UNCONC.	15 SF - NET	10
GS 10	154 SF	ASM. UNCONC.	15 SF - NET	11
GS 9	154 SF	ASM. UNCONC.	15 SF - NET	11
GS 8	154 SF	ASM. UNCONC.	15 SF - NET	11
OS 12	273 SF	ASM. UNCONC.	15 SF - NET	19
OS 19	670 SF	ASM. UNCONC.	15 SF - NET	45
OS 20	187 SF	ASM. UNCONC.	15 SF - NET	13
MEETING ROOM	207 SF	ASM. UNCONC.	15 SF - NET	14
READING ROOM	2,182 SF	BIZ. CONC.	50 SF - GROSS	44
WORKROOM	292 SF	BIZ. CONC.	50 SF - GROSS	6
WORKSTATIONS	210 SF	BIZ. CONC.	50 SF - GROSS	5
WORKSTATIONS	268 SF	BIZ. CONC.	50 SF - GROSS	6
MEN	201 SF	BUSINESS	150 SF - GROSS	2
JAN.	59 SF	BUSINESS	150 SF - GROSS	1
ELEV.	70 SF	BUSINESS	150 SF - GROSS	1
IS 20	55 SF	BUSINESS	150 SF - GROSS	1
IS 19	55 SF	BUSINESS	150 SF - GROSS	1
IS 18	56 SF	BUSINESS	150 SF - GROSS	1
OFFICE	124 SF	BUSINESS	150 SF - GROSS	1
OFFICE	123 SF	BUSINESS	150 SF - GROSS	1
IS 25	51 SF	BUSINESS	150 SF - GROSS	1
IS 24	51 SF	BUSINESS	150 SF - GROSS	1
IS 23	51 SF	BUSINESS	150 SF - GROSS	1
IS 22	53 SF	BUSINESS	150 SF - GROSS	1
OFFICE	122 SF	BUSINESS	150 SF - GROSS	1
3ST5	160 SF	BUSINESS	150 SF - GROSS	2
ELEV.	113 SF	BUSINESS	150 SF - GROSS	1
3ST4	148 SF	BUSINESS	150 SF - GROSS	1
OFFICE	132 SF	BUSINESS	150 SF - GROSS	1
IS 21	55 SF	BUSINESS	150 SF - GROSS	1
UNISEX	65 SF	BUSINESS	150 SF - GROSS	1
UNISEX	65 SF	BUSINESS	150 SF - GROSS	1
MEDIA	117 SF	BUSINESS	150 SF - GROSS	1
3ST1	606 SF	BUSINESS	150 SF - GROSS	5
WOMEN	204 SF	BUSINESS	150 SF - GROSS	2
OFFICE	127 SF	BUSINESS	150 SF - GROSS	1
OFFICE	125 SF	BUSINESS	150 SF - GROSS	1
R&C SUITE CORRIDOR	466 SF	BUSINESS	150 SF - GROSS	4
LOBBY	217 SF	BUSINESS	150 SF - GROSS	2
OFFICE	123 SF	BUSINESS	150 SF - GROSS	1
OFFICE	124 SF	BUSINESS	150 SF - GROSS	1
CIRCULATION	4,878 SF	BUSINESS	150 SF - GROSS	33
LD SUITE CORRIDOR	284 SF	BUSINESS	150 SF - GROSS	2

Area Tabulations

LD SUITE CORRIDOR	284 SF	BUSINESS	150 SF - GROSS	2
3ST3	224 SF	BUSINESS	150 SF - GROSS	2
3ST2	224 SF	BUSINESS	150 SF - GROSS	2
CLOSET	23 SF	MECH.	300 SF - GROSS	1
UTILITY	21 SF	MECH.	300 SF - GROSS	1
STORAGE	103 SF	MECH.	300 SF - GROSS	1
UTILITY	64 SF	MECH.	300 SF - GROSS	1
UTILITY	201 SF	MECH.	300 SF - GROSS	1
ELE.	58 SF	MECH.	300 SF - GROSS	1
UTILITY	28 SF	MECH.	300 SF - GROSS	1
IDF	128 SF	MECH.	300 SF - GROSS	1
ARCHIVE STORAGE	214 SF	MECH.	300 SF - GROSS	1
STORAGE	117 SF	MECH.	300 SF - GROSS	1
COLLECTIONS	1,359 SF	STACKS	100 SF - GROSS	14
COLLECTIONS	2,218 SF	STACKS	100 SF - GROSS	23
	21,339 SF			477
	21,339 SF			477

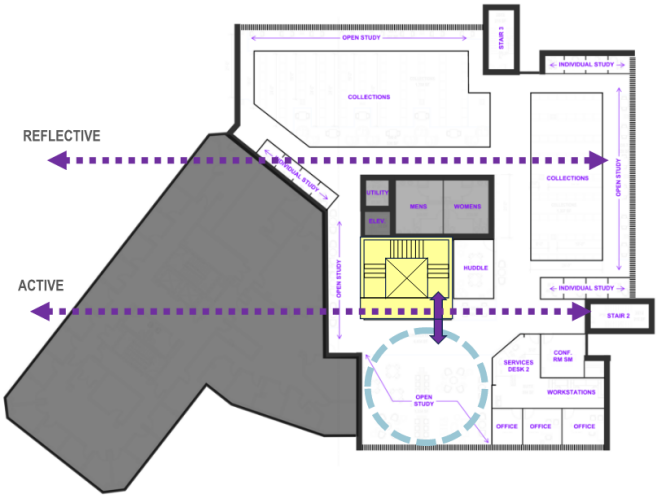
SECTION 03 | SCHEMATIC DESIGN
ARCHITECTURAL DESIGN INTENT NARRATIVE

Montgomery College is a public, fully accredited institution dedicated to student success and is widely recognized for the quality and breadth of its academic programs. Situated in suburbs of Washington DC, MC is known for bridging community and learning to empower individual growth through quality higher education. Macklin Tower Library is located on the Rockville campus, which is also the largest MC campus, serving over 15,000 students each semester. Originally constructed in the 1970s, the library is in need of a renovation to make it into a space that feels true to the evolving learning habits and style of the next generation of students, and the ones who come after them. This renovation will respect the existing structure while modernizing the interior spaces, to help realize the college's mission of turning the Learning Commons into a true destination.

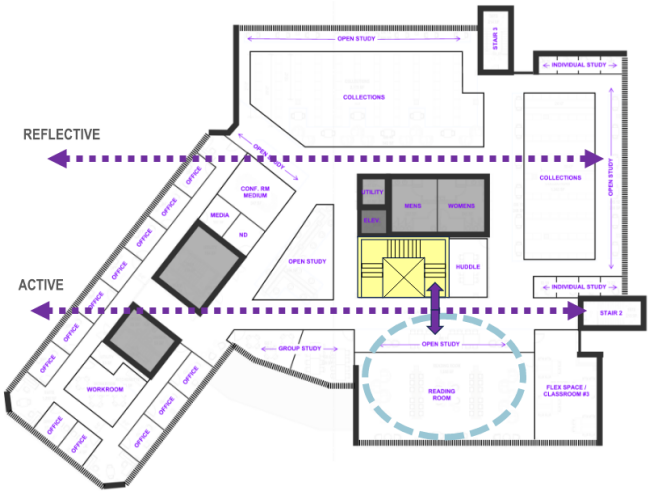
The building will accomodate a vast range of users with different types of transportation and access requirements. Accessibility and sustainability will be addressed throughout the process to ensure the building's life is extended for future generations. Through a series of meetings with the Library staff, the following Guiding Principles were established:

1. Welcoming and inclusive building to a diverse population of users.
2. Develop attractive spaces for users who will end up seeing the library as a destination.
3. Creates an environment that enhances outcomes and wellbeing. A habitable safe building inside and out.
4. Fosters connections and collaborations that lead to a strong sense of identity and community.
5. Increase zones for privacy and focus while maintaining areas for gathering and learning.
6. Provides modern tools and technology to accomodate current and future needs.
7. Design that enhances growth, flexibility and adaptability for students, faculty and staff.
8. Upgrade internal infrastructure with systems integration for building efficiency and sustainability.
9. Minimize unforseen events through being thorough, well detailed and thoughtfully coordinated design documents.
10. Brings both the local and global Montgomery College community together to convene for knowledge sharing and events.

LEVEL 1



LEVEL 2

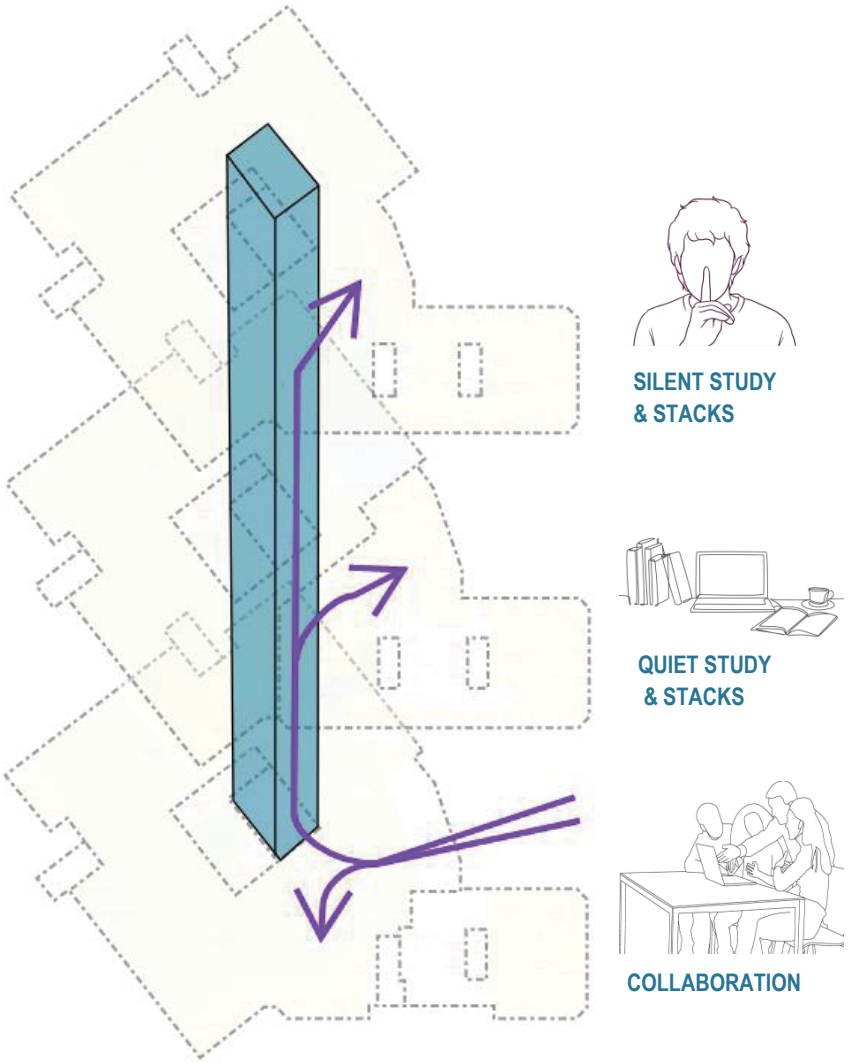


LEVEL 3

Organization of the Building

The new Learning Commons will be reconfigured so that the collaborative areas are located along the front of the building, facing the campus, and private spaces are situated on the west side with the best views, to help promote connection with the outside envrionment. The overall floor plates (Levels 1-3) pose a unique challenge to the renovation, given that the library portion is rectilinear in form, but the adjoined seven-story office tower intersects it at a diagonal. The core will be maintained for both segments of the building. Spatially, this creates a “pinwheel” on each level, allowing for various types of rooms and spaces along the circulation path. Office Suites, Collections and Study Rooms have been strategically placed to promote a myriad of learning environments to meet the needs of all users while balancing visibility and personal space.

The Monumental Stair will be the new heart of the building, tying together the lower, more active floors with the higher, quieter ones. The original building stair will be removed to make way for a new steel and wood finished circulation path that redefines the users experience of movement.



INTERIOR DESIGN INTENT NARRATIVE

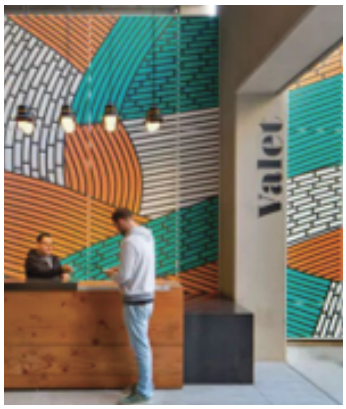
The interior design for the building intends to create a modern and collaborative atmosphere within the existing framework of the building. The intent of new finishes is to upgrade overall aesthetics and create multiple types of study and learning environments in the renovated library space with deliberate use of color and materiality. Through the use of graphics and interior signage, the design will also effectively direct users throughout the building with creative wayfinding elements.

Lobby & Circulation Desk

The building entry will be revamped and outfitted with brand new finishes. The new entry vestibule will have new walk off carpet tile to help prevent moisture and dirt transfer into the main library space. An area of the new vestibule will also feature tackable surface in order to display information for students about the library or events on campus.

The main area of the first floor lobby, and all elevator lobbies in scope, will have new epoxy terrazzo flooring. The lobby will also have a new, custom circulation/service desk, constructed of laminate and solid surface, with a custom vinyl, graphic display behind the desk. The ceiling above will be a suspended, acoustical, wood panel ceiling with specialty, accent lighting. The service desk will also feature built in shelving below and behind the main counter. Signage and graphics in the lobby will help direct users to various spaces within the library.

The lobby will also have direct views to the new, central, open circulation stair that leads to all three levels of the library. This is intended to be the main way students and visitors traverse the library. This new stair will be steel framed with concrete infill pans and wood architectural finishes.

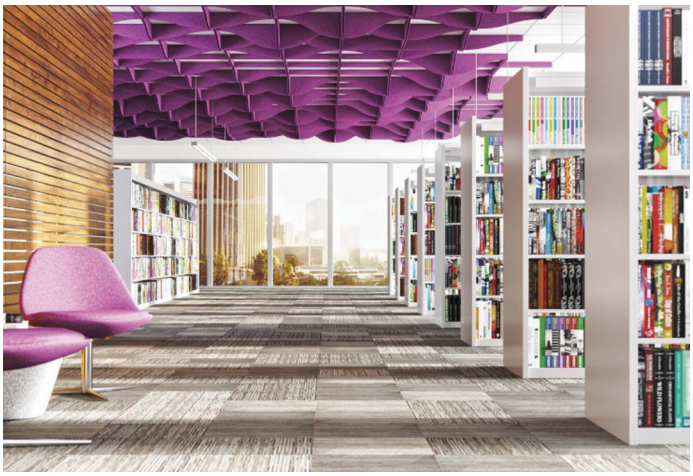


Public Circulation & Corridors

Public spaces and corridors outside of the first floor lobby will have carpet tile flooring. Ceilings will be a combination of acoustical ceiling tiles and gypsum board with modern, linear, LED lighting.

On the third floor, a custom, built-in, upholstered bench will be incorporated around existing columns near the new, central stair to create a unique seating area for students. This zone will be supplemented with FF&E.

Vinyl, wayfinding graphics will also appear in limited quantities in public spaces. Existing columns will be re-clad with new gypsum board. All other stairwells will receive new paint and new rubber treads and risers, with coordinating rubber flooring on all landings.



Collections Spaces

Collections zones will largely house the campus' physical book collection. These spaces will have carpet tile flooring and lay-in acoustical tile ceiling above. Small areas of acoustic, felt baffle ceilings will highlight collection zones in order to easily identify where books may be located on each floor. Bookshelves will be double sided, wood and non-mobile. All bookshelves will have adjustable shelves to accommodate various types of books and collections, in various widths and heights, to meet the College's linear feet requirements. A small portion of shelving will be dedicated to newspaper and magazine storage on the first floor.

Classrooms, Meeting Rooms, and Offices

These spaces will have carpet tile flooring and lay-in acoustical tile ceiling. Classroom walls should have marker boards on all sides of the room to support an active learning set-up. All classrooms, including the computer study room, will have manual roller shades at exterior windows. The classrooms will also have a wooden chair rail around the entire perimeter of the room per university standards.

New offices and office suites will receive a painted accent wall and one tack board in lieu of marker boards. Flooring in these spaces will be also be carpet tile and the ceiling will be acoustical ceiling tile. All offices located on exterior walls will have manual roller shades.

Conference and meeting rooms should have marker boards on one wall surface, and doors to these spaces should be full glass. Any storefront walls at conference or meeting rooms will have a semi-opaque, decorative film applied to help with privacy.

Kitchenettes, Break Rooms, and Back of House Areas

Kitchenettes, work rooms and break rooms located in or near by office suites should have resilient tile flooring and cleanable, acoustical tile ceiling. All casework in these areas should be plastic laminate, with solid surface counters.

Storage, AV/IT, IDF, and Utility rooms should also have resilient tile flooring, with exposed, painted ceilings. Mechanical/electrical room flooring should have sealed concrete floors and exposed, painted ceilings.

Study Spaces, Reading Room & Open Lounges

These spaces will have carpet tile flooring and lay-in acoustical tile ceiling. Each group study room should have a writeable marker board to encourage collaboration. Featured huddle rooms on each floor will have a durable, vinyl graphic applied to one wall, while individual and group study rooms will each have one painted, accent wall.

The reading room, open study zones and lounge spaces will also feature an area of felt accent, baffle ceilings to help with sound absorption and aesthetics. Specialty lighting will be incorporated within the felt ceiling in order to delineate space and create a more welcoming aesthetic.

All study rooms and the reading room will also have a semi-opaque, decorative film applied to any interior storefront walls to help with privacy. All rooms located on exterior walls will have manual roller shades.

Toilet Rooms

Toilet rooms will have new porcelain tile flooring and full height ceramic tile on all wet walls. Sink vanities will be solid surface with under-mounted lavatories and laminate lavatory guards, hands free faucets, and individual, framed mirrors. Toilet accessories will be stainless steel. Gender specific group toilet rooms will receive new, HDPE toilet partitions. All gender neutral, group toilet rooms will receive new individual, full height toilet stalls with doors and gypsum board partitions. Toilet rooms will have gyp. board ceilings.

Furniture

Furniture should be durable and flexible whenever possible and is shown in a variety of types, layouts, and styles on the floor plans. Furniture will be selected by and ordered by Montgomery College.

MEP DESIGN INTENT NARRATIVE

MECHANICAL SYSTEMS

A. Code Analysis

The following codes and standards are utilized for this project, as adopted by the City of Rockville.

- 2021 International Building Code (IBC)
- 2021 International Mechanical Code (IMC)
- 2021 International Energy Conservation Code (IECC)
- 2015 International Green Construction Code (IgCC)
- 2021 International Existing Building Code (IEBC)
- 2021 International Plumbing Code (IPC)
- NFPA 90A: Standard for the Installation of Air Conditioning and Ventilating Systems, 2024 edition
- NFPA 19: Standard for the Installation of Sprinkler Systems, 2022 edition
- Maryland Building Performance Standards

B. Design Conditions

HVAC system design will be based on the following conditions:

Outdoor Design Temperatures:

Summer:	95 degrees F (dry-bulb) / 78 degrees F (wet-bulb)
Winter:	0 degrees F

Indoor Design Temperatures:

Occupied Cooling:	74 degrees F / 50% relative humidity
Unoccupied Cooling:	80 degrees F / 60% relative humidity
Occupied Heating:	74 degrees F
Unoccupied Heating:	65 degrees F
Heating Only Spaces:	65 degrees F

Ductwork Design Criteria:

Medium Pressure Supply Ductwork:

- These criteria shall apply to ductwork between the rooftop air-handling units and VAV terminal units.
- Maximum 0.20-inch per 100-feet static pressure loss and 2,000 feet per minute maximum velocity within ductwork mains
- Maximum 0.10-inch per 100-foot static pressure loss and 1,200 feet per minute velocity in branch ducts

Low Pressure Supply, Return and Exhaust:

- These criteria shall apply to ductwork between VAV terminal units and their associated air devices.
- These criteria shall apply between air devices and exhaust or return fans.
- Maximum 0.08-inch per 100-feet static pressure loss and 1,200 feet per minute velocity in ductwork

Flexible ductwork will connect final branch ductwork to supply air devices.

Air Handling Unit Sizing Criteria:

- Coil Face Velocity: maximum 500 feet per minute
- Filter Face Velocity: maximum 500 feet per minute

Building Occupancy Densities will be based upon:

- Architectural Furniture Plans
- Estimated Maximum Occupancy Densities Provided in IMC Chapter 4

Outside Air Requirements:

- The greater of the population density indicated in the 2021 International Mechanical Code or that indicated on the architectural furniture plans.
- Outdoor air ventilation rates will be applied as indicated in the International Mechanical Code.

C. Heating, Ventilation, & Air Conditioning (HVAC) Systems

Air Distribution Systems:

A single variable air volume (VAV) air handling unit will be installed to serve the Macklin Tower Library. The new air-handling unit will be equipped with 2-inch flat MERV 8 pre-filters, 12-inch cartridge type MERV 13 final filters, heating water preheat coil, chilled water-cooling coil, and direct-drive plenum-type supply and return fans. The preheat coil will be provided with an inline heating water circulator pump to safe-guard against airflow stratification and coil freezing. Return fans will be located in the exhaust position, relieving excess building air during economizer operation based on return ductwork static pressure.

The third-floor office spaces located on the tower side of the building will be served by the existing multi-zone VAV air handling unit located on the roof of the tower.

Single-duct VAV supply air terminal units with hydronic heating coils are anticipated to provide both space temperature and ventilation control for the library and office spaces. Zoning of new supply air terminal units will be provided as follows:

▪ A dedicated VAV terminal unit will be provided for each classroom, adjunct suite, conference room, group study space, corner office, department chair office, library collection areas, and specialty spaces. Standard louvered-face supply diffusers or linear slot diffusers will be provided for each space. A dedicated room temperature sensor will be provided to control terminal unit operation. Terminal unit controls will interface with a relay provided at each zone's occupancy sensor for temperature setpoint adjustment based on room occupancy.

▪ A single VAV terminal unit will support three or more interior offices, independent study rooms, or perimeter offices with a common exposure. Thermally-powered VAV air devices will be provided in these spaces, with a wall-mounted thermostat provided for controlling each air device. Terminal unit controls will interface with a relay provided at each zone's occupancy sensor for temperature setpoint adjustment based on room occupancy.

Dedicated ductless split systems will serve elevator machine rooms, AV rooms, IT rooms, and security closets. Ductless split systems serving IT rooms will be provided with emergency power.

Ductwork systems extending between the air-handling units and associated VAV terminal units will be double-wall construction, round or flat-oval in shape, with single-wall externally insulated ductwork provided downstream of all terminal units. Ductwork within shafts will be double-wall, rectangular. Ductwork shall utilize bolted TDC connections. Sound attenuators will be provided at the air handling unit and the discharge of all VAV terminal units for maintaining design room sound power levels. All duct elbows will be radius type. A return air plenum arrangement will be provided to the greatest extent possible throughout the building, with double-wall open-ended return ducts provided at each level for returning airflow back to the air-handling unit.

Hydronic Distribution Systems:
Heating and chilled water will be provided by the existing campus heating and chilled water plants. Existing piping infrastructure within the Macklin Tower Library will be removed and replaced back to the piping entrance to the building. An add alternate will be provided to replace sixty feet of direct buried piping outside the building.

Interior heating and chilled water piping will be schedule 40 black steel with welded fittings or type L copper with solder joint fittings.

Direct buried below grade piping will be Permapipe.

Exhaust Systems:
Low-pressure general exhaust systems will be provided to support the toilet rooms, janitors' closets, and other spaces requiring exhaust. A combination of roof-mounted down-blast exhaust fans and square-inline exhaust fans will be provided throughout the building. The quantity of exhaust fans will be determined as the design progresses.

Automatic Temperature Controls:
All new mechanical equipment will be provided with direct digital controls.
Direct digital controls for the new air distribution and hydronic equipment will utilize electric or electronic actuators and sensors. Controls for air-handling unit systems will be equipped with energy management routines including airside economizer, supply air temperature reset, time scheduling (occupied / unoccupied operation), and optimum start. Control systems will be stand-alone native BACnet and networked to the campus-wide control system.

PLUMBING SYSTEMS

Domestic Water Systems:
Piping will be type L copper. A roof hydrant will be provided near the new air handling unit for maintenance and housekeeping purposes.

Domestic hot and cold water will be provided by the buildings existing infrastructure. An ASSE 1070 mixing valve will be provided at all public hand washing facilities for reducing the hot water temperature to 110 degrees F.

Plumbing Fixtures:
New plumbing fixtures will include wall-mounted water closets utilizing 1.28 gallon per flush valves, wall-hung urinals utilizing 0.125 gallon per flush valves, and wall-hung lavatories with self-closing hot and cold water faucets that supply 0.35 gallons per minute. Where required plumbing fixtures will comply with the Americans with Disabilities Act (ADA). The facility will be equipped with electric water coolers and bottle fillers.

Storm Water and Sanitary Systems:
Storm water piping on the upper level of the library will be revised as necessary to coordinate with architectural changes. Changes to roof drain and storm water riser locations are not

anticipated.

Sanitary piping will connect to plumbing fixtures and floor drains throughout, extending by gravity to existing sanitary piping mains and risers. Floor drains with trap primers will be provided in toilet rooms having two or more fixtures with flush valves.

All sanitary and storm water piping will be service weight cast iron, no-hub fittings above ground and gasketed hub and spigot fittings below ground.

Fire Protection Systems

Sprinkler Systems:
Sprinkler main and branch piping will be extended from the existing sprinkler zone control valve assemblies and standpipes located in stair 3 to serve the library.

Sprinkler branch piping in the third-floor office spaces will be modified to accommodate the new architectural design.

Sprinklers will be quick response type with concealed heads in areas with ceilings.

ELECTRICAL SYSTEMS

A, Code Analysis

The following codes are utilized for this project, as adopted by the City of Rockville.

- ADA Standards for Accessible Design, 2010 edition.
- International Building Code (IBC), 2021 edition.
- International Existing Building Code (IEBC), 2021 edition.
- International Energy Conservation Code (IECC), 2021 edition.
- International Green Building Code (IgCC), 2015 edition.
- NFPA 1 Fire Code, 2018 edition.
- NFPA 70 National Electrical Code, 2023 edition.
- NFPA 72 Fire Alarm Code, 2018 edition.
- NFPA 101 Life Safety Code, 2018 edition.
- Maryland Building Performance Standards

B. Normal Power System

Load Calculations and Estimations
The existing university space will utilize a similar power density to the existing building. The lighting power density will be lower due to the use of LED systems in replacement of fluorescent lighting. Mechanical and plug load systems will be similar. Additional power will be added in the form of new IT closets.

- Interior Lighting Systems – 0.72 W/sq ft.
- Mechanical Systems – 10W/ sq ft.
- Plug Load Systems – 5W/ sq ft.
- IT Closets – 4kW per MDF and 2kW per IDF.

Utility Service
The building electrical utility begins at a pad mounted PEPCO transformer, located at the exterior building by the loading dock. The transformer provides 460-volt, 3-phase, 4-wire service into the main switchboard of the building. The building utilizes a single metered feed with the PEPCO meter being located in the basement main electrical room.

Service Entrance Equipment
Inside of the building, the electrical distribution system begins in the existing basement main switchboard. The existing main switchboard is a 2000-amp, 277/480-volt, 3-phase, 4-wire, 65,000 ampere interrupting current, 4-section switchboard. The switchboard sections include; 1) PEPCO Service cabinet; 2) 400-amp fire pump disconnecting means, 3) 2000-amp main electronic trip type breaker; 4) distribution circuit breaker section. The main circuit breaker includes ground-fault protection. The switchboard also includes an integral surge protective device and multi-function power meter. The equipment was installed in 2007 during a building wide electrical system upgrade and appears to be in good condition. There is limited spare circuit breakers and space within the distribution section for additional circuit breakers.

Distribution Equipment
In addition to the distribution section of the main switchboard, only two other panels are major points of distribution for the electrical system. Located in the basement main electrical and mechanical rooms, existing panels B1H and B2H are distribution style panelboards providing feeders to branch panelboards, large mechanical equipment, and the normal feeders to automatic transfer switches. The panels were installed in 2007 and are in good condition. There is limited space within each distribution section for additional circuit breakers.

Branch Distribution Equipment
For the extent of the renovation to the Macklin Tower building, only the ground floor through third floors will be impacted. For the ground floor, panels are located in various locations. Feeders run vertically from the basement to the above ceiling

space of the ground floor to develop in two risers. On the first through third floors, the electrical system is broken up into an east and west electrical closet. The east electrical closet primarily feeds the office tower portion of the floor plan. The west electrical closet primarily feeds the library portion of the floor plan.

Based on the existing distribution, expected extent of demolition, and anticipated new circuits, the existing panelboards and associated transformers will be able to support the new loads. The majority of impact to the electrical system will occur at the west electrical rooms. The panels impacted in this scope were installed in 2007 with new circuit breakers available based on final circuit requirements. All panels are Eaton PR1-series panelboards. The following panels are anticipated to be impacted as part of the project:

Table 1: Existing Electrical Equipment Majorly Impacted by Renovation

Panel Designation	Rating	Feed From	Floor	Location
1H	250A-277/480V-3Ø-4W 1-Section, 42-poles 225A Main Breaker	Main Switchboard	1	107A *Room Existing to Remain
1L	225A-120/208V-3Ø-4W 2-Section, 84-poles 225A Main Breaker *200% Rated Neutral	Panel 2L	1	104A *Room Existing to Remain
1AH	250A-277/480V-3Ø-4W 1-Section, 42-poles Main Lug Only	Main Switchboard	1	112A *Room Existing to Remain
1AL	400A-120/208V-3Ø-4W 2-Section, 84-poles 225A Main Breaker	1AH via 75kVA XFMR	1	112A *Room Existing to Remain
1AF	100A-120/208V-3Ø-4W 1-Section, 42-poles Main Lug Only	Panel 1AL	1	112A *Room Existing to Remain
2AH	250A-277/480V-3Ø-4W 1-Section, 42-poles Main Lug Only	Main Switchboard	2	202B *Room Existing to Remain
2AL	400A-120/208V-3Ø-4W 2-Section, 84-poles 225A Main Breaker	2AH via 75kVA XFMR	2	202B *Room Existing to Remain
2AF	100A-120/208V-3Ø-4W 1-Section, 42-poles Main Lug Only	Panel 2AL	2	202B *Room Existing to Remain
3H	250A-277/480V-3Ø-4W 1-Section, 42-poles 225A Main Breaker	Main Switchboard	3	301C *Room Existing to Remain
3L	225A-120/208V-3Ø-4W 2-Section, 84-poles 225A Main Breaker	B2H via 45kVA Transformer	3	301C *Room Existing to Remain
Panel Designation	**Rating**	**Feed From**	**Floor**	**Location**
3AL	400A-120/208V-3Ø-4W 2-Section, 84-poles 225A Main Breaker	3AH via 75kVA XFMR	3	304A *Room Existing to Remain
3AF	100A-120/208V-3Ø-4W 1-Section, 42-poles Main Lug Only	Panel 3AL	3	304A *Room Existing to Remain

C. Emergency Power System(s)

Load Calculations and Estimations

It is anticipated that existing emergency lighting and power circuits for fire systems will be reused and comparable to the existing circuits serving the spaces. The following loads will be added to the existing building generator.

- IT Closets – 4kW per MDF and 2kW per IDF.
- IT Closet Cooling – 2kW per room.

Emergency power source(s)

The existing building is supported by a 125kW diesel generator located exterior to the building. The generator feeds an existing emergency distribution panelboard EDP located in the basement. EDP serves multiple existing automatic transfer switches for emergency systems, elevators, and optional standby equipment. The equipment has been installed at various times, but is in good working condition. It is not anticipated to modify the infrastructure since only emergency lighting, and circuits serving fire alarm and smoke dampers will be impacted by the renovation.

Generator

The existing 125kW generator will remain existing as part of this project.

Emergency Distribution

A new 15kVA transformer will be provided in the basement and connected to existing panel 4EQ. The new transformer will serve a 100-amp, 120/208-volt panelboard which will supply power to the new split units serving new MDF and IDF closets. Infrastructure will be evaluated for additional generator power IT room connections and to support future renovations of similar spaces in the building.

Uninterruptible Power Supply

UPS equipment will remain existing in existing telecommunication spaces. New telecom spaces will be served by rack mounted units installed by the owner.

D. Onsite Energy Production System

System location and size

With the renovation of the lower west portion of the building, the roof layout will be modified and revised to include areas for onsite photovoltaic systems. Based on a preliminary solar analysis along with code required setbacks and coordination with equipment, its estimated that up to a 100kW PV array can be located on the roof of the building. The array would be a ballast mounted systems set at either a 5 or 10 deg slope. The system would interconnect at the building switchboard. The actual size and production of the system will be determined once a final roof layout with mechanical equipment and penetrations has been determined. The inclusion of a skylight or clerestory along with mechanical equipment will impact the final space available.

E. Electrical Connections and Devices

Wiring
Wiring throughout the renovation will be primarily THHN/THWN copper building wire in EMT raceway. Within walls and on the secondary of lighting controls will utilize MC-cable or MC-luminary cable. Cable will be required to transition to conduit and wire when exiting the room back to the panelboard. For rooftop applications, IMC conduit will be used with THHN/THWN copper building wire.

Electrical Devices
Electrical devices specified will be as heavy-duty grade type. GFCI, controlled outlets, and tamper-resistant receptacles will be utilized where required by the National Electrical Code. All devices will be NEMA rated for appropriate plug types. Receptacles with USB ports will be located where requested by the owner. Color selections for devices will be coordinated with the owner, architect and campus standards. Poke-throughs will be used where new in-floor outlets are required due to existing condition constraints.

Plug Load Control
Plug load control will be provided where required in offices, conference rooms, and the like in accordance with ASHARE 90.1 and IgCC requirements. Plug load control will be integrated into the lighting control system. Controlled receptacles will be color coded and include National Electrical Code required markings.

Mechanical Systems Control (VFDs, starters, etc.)
The existing mechanical systems serving the area of renovation will be demolished in their entirety. Dedicated feeders from the main switchboard and distribution panels BH1 and BH2 will be demolished back to the source. Based on the selection of new equipment, new electrical infrastructure will be installed to serve the new units. Units will likely feature single-point connections or require VFDs. VFDs will be based on ABB 580-series drives, a standard for the campus. The 580-series replaces the older 550-series. Where VFDs are not provided, heavy-duty disconnects and starters will be provided as necessary. All equipment provided without a VFD will also include phase loss monitoring.

Power Metering / Monitoring Systems
In the area of renovation, branch circuit metering will be provided for interior lighting, exterior lighting, receptacle, mechanical equipment, and IT systems in accordance with ASHRAE 90.1 and IgCC requirements. The meters will be connected and accessed via an internet connection.

Grounding and Bonding Systems
The renovation will maintain the existing buildings grounding and bonding system.

Lightning Protection
The existing roof does not include a lightning protection system. A lightning protection system is recommended based on NFPA 780, Appendix L analysis. Options for inclusion of the upper roof will be discussed with the owner. Down conductors on the existing portion of the building would be exposed.

Labeling
Feeders and branch circuit will be labeled with voltage and feeder designations, matching existing conditions. Equipment will be labeled with name and source. Receptacles will include circuit labels on faceplates in all but public areas, where the label will be installed inside the cover plate. A short circuit analysis will also be conducted for the area of renovation along with the inclusion of arc flash labeling.

F. Lighting

Lighting Levels
The renovated area will require new lighting fixtures and controls throughout. The following criteria will be used based in current Illuminating Engineering Society of North America (IESNA) recommended practice guides for offices, educational spaces and libraries. Levels are averages throughout the space.

- Enclosed Offices: 50 footcandle for printed paper work.
- Open Office Space: 50 footcandle for printed paper work.
- Multi-purpose Study Room: 30 footcandle
- Classroom: 40 footcandle
- Conference / Work Rooms: 30 footcandle
- Storage: 20 footcandle
- IDF/MDF Rooms: 30 footcandle
- Collections: 30 footcandle
- General Reading Space: 30 footcandle
- Private Meeting Rooms: 40 footcandle
- Toilet Rooms: 10 footcandle general, 20 footcandle at the vanity

Lighting sources / Typical equipment
In order to meet the lighting levels defined above, LED fixtures will be utilized throughout the project and paired with 0-10V dimming to maximize occupant comfort. Fixture styles will be selected based on general architectural aesthetic, budget,

and consistency. Lighting fixtures will be 4000-kelvin color temperature with a CRI of 80+. In the 3rd floor reading room and collections area, fixtures will be specified with a CRI of 90+ for increased color quality.

In general office spaces, direct volumetric lighting fixtures will be used throughout, consistent with other offices on campus. In educational spaces, fixtures will vary based on the architectural aesthetic. Library spaces will feature indirect lighting as the softest source of lighting, with some direct lighting at major points of interest, such as circulation or wayfinding.

Lighting controls
Lighting controls will be provided throughout the renovation utilizing a networked Wattstopper system. Centralized system controls will be located in IT spaces on the wall. Spaces will utilize a local control station with dimming, occupancy shutoff and response to daylight in accordance with local energy code requirements. The following schemes will be typical of the building:

- Office Spaces: Auto-on to 50%, auto-off, with local override and dimmer.
- General Circulation: Auto-on, auto-off with remote override.
- Multi-occupant space: Manual-on multi-scene control with auto-off.
- Utility Space: Manual Toggle Switch.
- Toilet Room: Auto-on, auto-off with local override.

Emergency lighting will utilize UL924 relays to mirror normal control functions and turn automatically on during a loss of power or trigger by the fire alarm or security system.

The system will also feature plug load control in office and conference spaces in accordance with local energy codes. Receptacles will be marked and separately colored.

The system will be sized to support future devices throughout the rest of the building without major upgrade.

G. Emergency Communications

Area of Refuge or Elevator Lobby Systems
The renovation will maintain the existing building area of refuge or elevator / elevator lobby phone systems.

Emergency Responder Radio Systems
The building does not currently include an emergency responder radio system. Due to the limits of the renovation, it is not intended to provide an additional system.

Firefighter Phone System
The renovation will maintain the existing buildings fire fighter phone system.

H. Fire Detection and Alarm Systems

The existing building is supported by a Simplex 4100ES fire alarm system installed in 2003. The Fire alarm control panel is located in the existing basement electrical room with a graphic annunciator installed in the building entry lobby. The system includes addressable initiation modules such as sprinkler flow switches, smoke detectors, duct detectors, and heat detectors. The system alarms with voice evacuation messages through speakers and visual notification strobes.

The existing building contains 3 zones per floor for floors ground through the third floor. On the 4th through 6th floor, only one zone is used due to the square footage of each floor. The existing fire alarm control panel SLC wiring extends from the basement to Fire Alarm Terminal Cabinets at various locations on each floor. Extender panels are located on each floor to serve the zones on the floor.

Renovation will be limited to demolishing existing devices in the area of renovation and providing new devices to support the new functions of the space. Devices will be provided in accordance with IBC, NFPA 1 and NFPA 72. In the area of renovation, Fire Alarm Terminal Cabinets and Extender panels will be relocated where spaces are demolished. It is anticipated the renovated system will be of similar size and functionality to the current system. New zones or construction types are not anticipated for this project.

ENERGY ANALYSIS INTENT NARRATIVE

ENERGY ANALYSIS

Background:

Located within the City of Rockville, the project is subject to the 2021 International Energy Conservation Code (IECC) and 2015 International Green Construction Code (IgCC), as amended by the City of Rockville. LEED Silver certification is permitted as an alternative compliance path, without requiring an actual certification to be obtained. As a community college project receiving state funds, the project is also required to comply with the 2022 Maryland High Performance Green Building Performance Program (MD HPGBP). There are three options for compliance:

- LEED Silver certification
- Green Globes Two Globes rating
- 2018 IgCC, as amended by Maryland Green Building Council

Given the scope and scale of the project, the design team recommends LEED Silver certification for the following reasons:

- LEED provides flexibility to select which credits to pursue to meet certification
- Green Globes is not an approved alternative compliance path for IgCC
- IgCC is most stringent compliance path for City of Rockville and MD HPGBP
- Although LEED and Green Globes have added administrative costs, the administrative costs are exceeded by added construction costs required to achieve IgCC compliance

The state of Maryland enacted the Climate Solutions Now Act of 2022, which required the establishment of Building Energy Performance Standards (BEPS). Existing buildings with a gross floor area of 35,000 square feet or more are subject to the BEPS and must eliminate direct CO2 emissions. The published BEPS also include a site energy use intensity (EUI) standard. While enforcement of the EUI standard is currently on hold, the EUI standard of 55 kBtu/ft2/year for the library property type is being provided for reference.

In addition to the above regulatory requirements, Montgomery College has established an EUI target of 40 kBtu/ft2/year for the project. Energy analysis was requested by Montgomery College to evaluate the impact of proposed energy conservation measures on the project achieving the target EUI. The energy analysis detailed in the following sections only considered the portions of the building within the scope of work for this project.

Design Parameters:

The following design conditions were used for the energy analysis:

a) Envelope Thermal Performance

- Roof, replaced U-0.032 (R-30ci)
- Wall, existing U-0.490
- Window, existing: U-0.60 & SHGC-0.39 (SEW) / 0.49 (N)

b) Internal Heat Gain Values

- Lighting: 0.83 W/ft2

c) Hours of Operation

- Weekday (Mon - Thu): 8:30 A.M. to 10:00 P.M.
- Weekday (Fri): 8:30 A.M. to 5:00 P.M.
- Saturday: 9:00 A.M. to 5:00 P.M.
- Sunday: Unoccupied

d) Campus Plant Efficiencies (based on Student Services Center equipment)

- Chilled Water: 0.61 kW/ton
- Heating Water: 87%

e) Utility Rates

- District Chilled Water* $1.07/therm
- Campus Heating Water* $1.66/therm
- Electricity $0.15/kWh
- Natural Gas $1.017/therm

*Campus thermal energy rates were calculated based on electricity and natural gas rates using LEED District Energy Systems guidance

Alternatives:

The following alternatives were evaluated as part of the energy analysis.

- **Baseline:** ASHRAE Standard 90.1-2019 Chapter 11 Energy Cost Budget Method Baseline System 2. Identical to Alt 1a.
- **Alternative 1a:** VAV AHU with chilled water and heating water preheat coils and VAV boxes with heating water reheat coils
- **Alternative 1b:** VAV AHU with chilled water and heating water preheat coils and VAV boxes with electric reheat coils
- **Alternative 2a:** enVerid modules, VAV AHU with chilled water and heating water preheat coils, and VAV boxes with heating water reheat coils
- **Alternative 2b:** enVerid modules, VAV AHU with chilled water and heating water preheat coils, and VAV boxes with electric reheat coils

▪ **Alternative 3:** 0.5 W/ft2, enVerid modules, VAV AHU with chilled water and heating water preheat coils, and VAV boxes with heating water reheat coils

Montgomery College requested plug load management (i.e., automatic receptacle control) as one of the alternatives to be evaluated as part of this energy analysis. Compliance with 2021 IECC (and ASHRAE 90.1-2019) requires automatic receptacle controls. Automatic receptacle controls are incorporated as part of the baseline and therefore excluded as a standalone alternative.

Results:

The energy analysis evaluated the building's energy use intensity (EUI) and annual energy cost. Figure 1 provides a summary of the EUIs. A first set of analyses was completed in which efficiencies and energy consumption of the campus chilled water and heating water systems were excluded. Chilled and heating water equipment efficiencies were modeled as 100%.

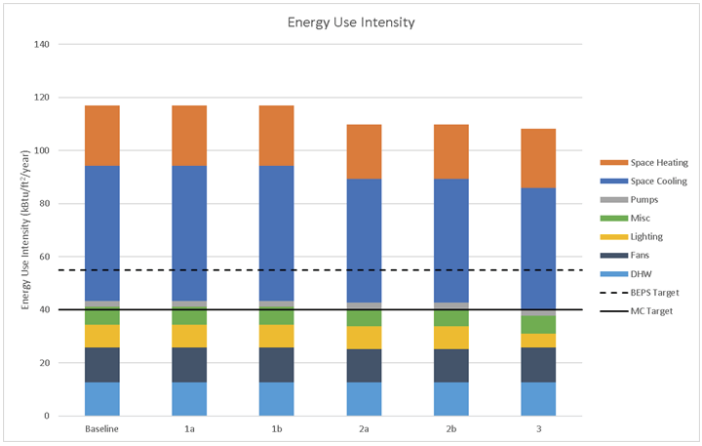


Figure 1. Energy Use Intensity (EUI) excluding Plant Equipment

A second set of analyses included campus chilled water and heating water system efficiencies and energy consumption. Efficiencies were based on the chiller and boiler equipment installed at the Student Services Center. Results from this set of analyses are summarized in Figured 2.

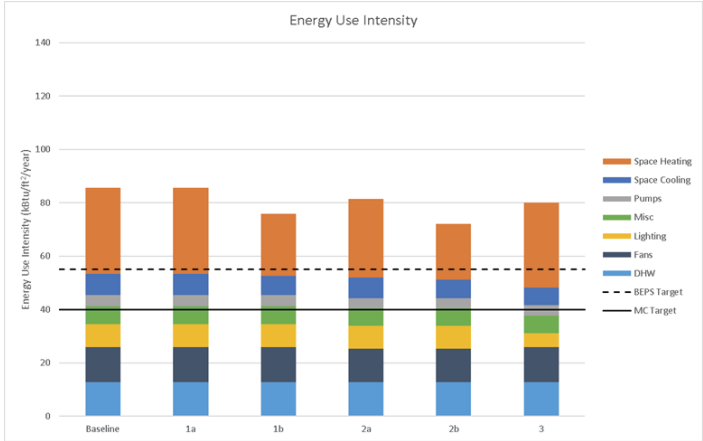


Figure 2. Energy Use Intensity (EUI) including Plant Equipment

Figure 3 illustrates the projected energy use intensity reduction due to onsite PV generation for each of the alternatives.

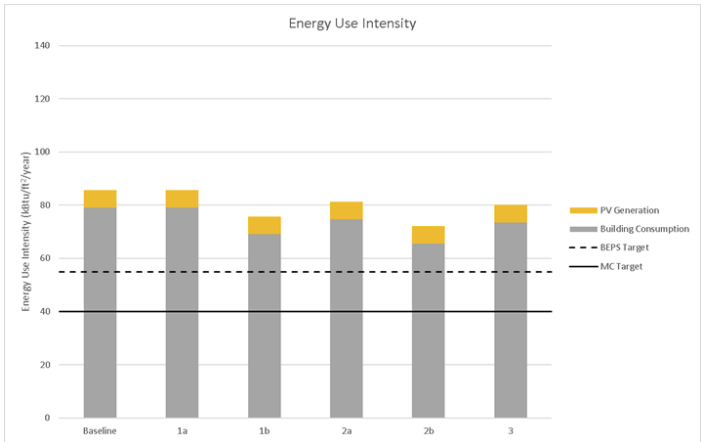


Figure 3. Energy Use Intensity (EUI) with PV Generation

Annual energy costs for the different alternatives are summarized in Table 1.

Table 1. Annual Energy Costs

	Baseline	*1a*	*1b*	*2a*	*2b*	*3*
Campus Equipment Excluded	$132,592	$132,592	$182,227	$127,338	$173,890	$122,192
Campus Equipment Included	$120,553	$120,553	$176,985	$115,429	$168,354	$109,998
PV Generation	$105,028	$105,028	$161,460	$99,904	$152,829	$94,473

Summary:

JPA recommends Alternative 1a, a VAV AHU with chilled water heating water preheat coils and VAV boxes with heating water reheat coils. None of the proposed alternatives comply with the EUI required by the Maryland BEPS or EUI target established by Montgomery College. While the building is undergoing a roof replacement, the existing wall and window performance are contributing to the high energy consumption of the building.

******Wall and windows upgrades are not anticipated as part of the scope of work, but it is recommended that they be evaluated in the future as an energy conservation measure necessary to achieve the EUI targets.******

Mechanical equipment sizing is also primarily being driven by the envelope load. The impact of outdoor air on the sizing is negligible. It is not anticipated that enVerid modules, evaluated as part of Alternatives 2a and 2b, will result in first cost savings. An annual cost savings of $5,000 will be reduced when filter and maintenance costs are considered. The enVerid modules were therefore not recommended.

VAV boxes with electric reheat coils were evaluated as part of Alternatives 1b and 2b. The annual energy cost is up to 50% higher with electric reheat coils. It is not anticipated that the existing electrical infrastructure can support electric reheat coils. Further analysis is required to confirm. Given the impact on annual energy cost and the anticipated first cost impact of upgrading electrical infrastructure, electric reheat coils were not recommended.

A lighting power density (LPD) of 0.5 W/ft2 was evaluated as part of Alternative 3. Analysis indicates that high efficacy LED lighting contributes to a reduction in the building EUI. The lighting design will target a design LPD of 0.5 W/ft2.

Below is the SD Narrative LEED Scorecard highlighting projected values that will be further developed during Design Development.

LEED v4.1 ID+C: Commercial Interiors
Project Checklist

Project Name: Montomgery College - Macklin Library Renc
Date: 8/29/2024

Y	?	N			
1	1		Credit	Integrative Process	2

1	1	34	**Location and Transportation**		18
		18	Credit	LEED for Neighborhood Development Location	18
		8	Credit	Surrounding Density and Diverse Uses	8
1	1	5	Credit	Access to Quality Transit	7
		1	Credit	Bicycle Facilities	1
		2	Credit	Reduced Parking Footprint	2

6	2	4	**Water Efficiency**		12
Y			Prereq	Indoor Water Use Reduction	Required
6	2	4	Credit	Indoor Water Use Reduction	12

17	21	0	**Energy and Atmosphere**		38
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Fundamental Refrigerant Management	Required
4	1		Credit	Enhanced Commissioning	5
10	14		Credit	Optimize Energy Performance	24
2	0		Credit	Advanced Energy Metering	2
	6		Credit	Renewable Energy	6
1	0		Credit	Enhanced Refrigerant Management	1

12	1	0	**Materials and Resources**		13
Y			Prereq	Storage and Collection of Recyclables	Required
1			Credit	Long-Term Commitment	1
3	1		Credit	Interiors Life-Cycle Impact Reduction	4
2			Credit	Environmental Product Declarations	2
2			Credit	Sourcing of Raw Materials	2
2			Credit	Material Ingredients	2
2			Credit	Construction and Demolition Waste Management	2

11	5	1	**Indoor Environmental Quality**		17
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
1	1		Credit	Enhanced Indoor Air Quality Strategies	2
2	1		Credit	Low-Emitting Materials	3
1			Credit	Construction Indoor Air Quality Management Pl	1
	2		Credit	Indoor Air Quality Assessment	2
		1	Credit	Thermal Comfort	1
2			Credit	Interior Lighting	2
2	1		Credit	Daylight	3
1			Credit	Quality Views	1
2			Credit	Acoustic Performance	2

2	2	2	**Innovation**		6
1	2	2	Credit	Innovation	5
1			Credit	LEED Accredited Professional	1

3	0	1	**Regional Priority**		4
1			Credit	Regional Priority: Indoor Water Use Reduction	1
1			Credit	Regional Priority: Access to Quality Transit	1
1			Credit	Regional Priority: Optimize Energy Performanc	1
		1	Credit	Regional Priority: Reduced Parking Footprint	1

53	33	42	**TOTALS**	Possible Points:	110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points,

AV & TELECOM DESIGN INTENT NARRATIVE

AUDIO / VISUAL DESIGN INTENT NARRATIVE

A. INTRODUCTION

This preliminary design narrative has been prepared for Hord Coplan Macht Architects Described within this report are the system summaries for various low-voltage systems to be specified for the Montgomery College Macklin Tower Library Renovation located in Rockville, MD. Low-voltage systems to be specified and included in this section are listed below.

- Audiovisual Systems
- Telecommunications Structured Cabling Systems
- Electronic Security - Access Control Systems
- Electronic Security - Video Surveillance Systems
- Acoustics Noise and Vibration Control

The proposed design criteria are based on Montgomery College IT and Security Standards (04/24), CTDG's experience on previous projects, and Industry Standards and Best Practices.

B. OWNER FURNISHED EQUIPMENT

The facility will include various systems to be procured and installed separately of the base-building package. Infrastructure will be included within the building to support these systems. Examples of Owner Furnished Equipment (OFE) include, but are not limited to the following:

1) Computers
2) Copier/Printer/Fax Machines
3) Telephone Handsets
4) Personal Communications Devices
   (Wireless phones, Tablets, etc.)
5) Printers
6) Network Electronics

C. AUDIOVISUAL SYSTEMS

This preliminary design of the audiovisual systems is intended to provide an initial understanding of the needs and requirements for the Macklin Tower Library Renovation. The systems will be easy to use, able to operate in a stand-alone capacity, and designed to be "turn-key". This includes all cables, connectors, installation labor, warranty, service, equipment and engineering for a fully functional system.

The overall design intent for the AV systems and supporting infrastructure is to provide Montgomery College with cutting edge multimedia systems to enhance classroom instruction and collaboration within the library. In addition, the AV systems design effort is intended to meet the following design goals:

- Create State-of-the-Art Instructional, Presentation, and Collaboration Spaces.
- Provide Administration, Faculty, and Students with an intuitive, standardized user interface and flexible system architecture.
- Integrate Digital Media and Streaming Presentation Technologies into the architectural fabric of the building.
- Utilize cost efficient methods of achieving desired functionality.
- Provide Low-Voltage Systems which conform to or exceed the standards and requirements established by Montgomery College.

Spaces to receive Audiovisual Systems include:

- Classrooms
- Group Study Rooms
- Individual Study Rooms
- Conference Rooms

1. Classrooms

The Classrooms will function as presentation and collaboration spaces in which instruction will be enhanced by audiovisual technology systems. Each room will support presentation of instructional material with an extra-large format interactive touchscreen display with additional large wall mounted displays to mirror the instructional material for viewing in all areas of the room. Audio reinforcement shall be provided by ceiling mounted loudspeakers. The AV system will also support distance learning, which consists of a ceiling mounted microphone array, audio DSP and PTZ cameras. The rooms audiovisual electronics will be housed in a dedicated AV rack.

A Smart Instructor's Work Station (SIWS) or lectern will provide inputs to the AV system for connection of Owner Furnished Equipment (OFE) equipment such as laptops or tablets. Additional sources shall be located at the teaching station, including a Digital Document Camera. Lectern or wall-mounted touch panels will provide control for the AV system. This control system will provide users with an intuitive one-touch remote control interface with full functional control over all AV system components. Additionally, the control system shall integrate with the room's lighting and shade control to automate one-touch room configurations.

A centrally managed room scheduling system will be utilized and small format touch panels displaying room/event schedule information will be wall mounted near each Classroom entrance.

Unique infrastructure requirements for this space include a multi-service floor box to be located under the SIWS or lectern. The systems will contain the following key elements:

1) Display Technology
    a. One (1) Extra-Large 98" Interactive Flat Panel LCD Display
    b. One (1) or more Large 65" Flat Panel LCD Display
2) AV Sources
    a. Owner Furnished Laptop Computer
    b. Document Camera
    c. Presentation Switcher
    d. Wireless Presentation Gateway
3) Program Audio Reinforcement
    a. Ceiling Mounted Loudspeakers
    b. Rack Mounted Power Amplifier
    c. Digital Audio Signal Processor
4) Distance Learning
    a. Ceiling or Wall-Mounted PTZ Cameras
    b. Ceiling Mounted Microphone Array
5) System Control
    a. Integrated Control Processor
    b. 7" Remote Control Touch Panel
6) Room Scheduling
    a. 7" Wall Mounted Touch Panel Display

2. Group Study

The AV systems located in Group Study spaces will facilitate small group collaboration and presentation in an informal setting. Each of these spaces will contain one (1) wall-mounted Flat Panel Display with the ability for students and staff to connect portable devices through a wall mounted HDMI input or wireless connection. An all-in-one video soundbar will provide a loudspeaker, microphone array, and camera for virtual meetings and video teleconferencing. A centrally managed room scheduling system will be utilized and small format touch panels displaying room/event schedule information will be wall mounted near each entrance door. Wall mounted touch panels will provide control for the AV system and provide users with an intuitive one-touch remote control interface with full functional control over all AV system components.

Unique infrastructure requirements for this space include a wall box for AV inputs to be located under the display. The systems will contain the following key elements:

1) Display Technology
    a. One (1) Medium Format Flat Panel LCD Display
2) AV Sources
    a. Owner Furnished Laptop Computer
    b. Wireless Presentation Gateway
3) Video Teleconferencing
    a. VTC Soundbar with Integrated Loudspeaker, Camera and Microphone
4) System Control
    a. Integrated Control Processor
5) 7" Remote Control Touch Panel Rm Scheduling
    a. 7" Wall Mounted Touch Panel Display

3. Individual Study Rooms

The Individual Study Rooms will function as a quiet, private space for students and staff to participate in video teleconferences, distance education classes, virtual interviews, or independent study. Each of these spaces will contain one (1) wall-mounted Flat Panel Display with the ability for students and staff to connect portable devices through a wall mounted HDMI input or wireless connection. An all-in-one video soundbar will provide a loudspeaker, microphone array and camera for virtual meetings and video teleconferencing. A centrally managed room scheduling system will be utilized and small format touch panels displaying room/event schedule information will be wall mounted near each entrance door. Wall mounted panels will provide control for the AV system and provide users with an intuitive one-touch remote control interface with full functional control over all AV system components.

Unique infrastructure requirements for this space include a wall box for AV inputs to be located under the display. The systems will contain the following key elements:

1) Display Technology
    a. One (1) Medium Format Flat Panel LCD Display
2) AV Sources
    a. Owner Furnished Laptop Computer
    b. Wireless Presentation Gateway
3) Video Teleconferencing
    a. VTC Soundbar with Integrated Loudspeaker, Camera and Microphone

4) System Control
    a. Integrated Control Processor
5) 7” Remote Control Touch Panel Room Scheduling
    a. 7” Wall Mounted Touch Panel Display

4. Conference Rooms

The Conference Rooms facilitate collaboration and presentation in a smaller setting. The primary display will be a wall mounted large format flat panel display. A credenza will be located below the display to house all AV equipment and control processing. Users will have the ability to present from portable AV devices through a wireless connection auxiliary wired inputs located at the conference room table in each room. The AV system will support video teleconferencing with the inclusion of ceiling mounted loudspeakers and microphone arrays, audio DSP, and wall mounted PTZ cameras. Touch screen control panels can be wall mounted or placed at the conference table to control the AV system. A centrally managed room scheduling system will be utilized and small format touch panels displaying room/event schedule information will be wall mounted near each Conference Room entrance door.

Unique infrastructure requirements for this space include a multi-service floor box to be located under the meeting room table. The systems will contain the following key elements:

1) Display Technology
    a. One (1) Lage Format Flat Panel Display
2) AV Sources
    a. Owner Furnished Laptop Computer
    b. Presentation Switcher
    c. Wireless Presentation Gateway
3) Program Audio Reinforcement
    a. Ceiling Mounted Loudspeakers
    b. Rack Mounted Power Amplifier
    c. Digital Audio Signal Processor
4) Distance Learning
    a. Wall-Mounted PTZ Cameras
    b. Ceiling Mounted Microphone Array
5) System Control
    a. Integrated Control Processor
    b. 7” Remote Control Touch Panel
6) Room Scheduling
    a. 7” Wall Mounted Touch Panel Display

D. ELECTRONIC SECURITY - ACCESS CONTROL SYSTEM

The Access Control System will provide restriction of entrance to facilities, rooms and zones of each of the buildings to authorized personnel via locks, keys, and card access system. Door access shall be accomplished via a proximity card reader and strike or mortise electrified lockset provided in the door hardware. Auto doors motors, specified in the door hardware documents, will need to be controllable and lockable and be able to interface with access control systems. Doors shall unlock automatically at successful card swipe, and authorization will be controlled via a central database/computer in any authorized security system workstation. Building wide lockdown will be possible for emergency situations. Initiation can be from any authorized security system workstation.

Connectivity requires Low voltage cabling from each door/access location to nearest TR location. Card communication between TR’s and to central database/computer will be via IP network cards in each TR. The system requires one standard telecom outlet in each TR for card connectivity to network and one standard outlet at the Central security monitoring station. Wall mounted proximity reader and strike or mortise electrified lockset or magnetic lock will be provided in the door hardware schedule and specification. Door conduit routing to be as shown on communications drawings set and coordinated with architectural design, with cabling run in conduit from each access control location back to respective TR. A single duplex power receptacle at each termination equipment cabinet is required.

Montgomery College’s current standard for access control is Lenel OnGuard and Facility Commander FCWnx.

E. ELECTRONIC SECURITY - CLOSED CIRCUIT TELEVISION (CCTV)

The Closed Circuit Television (CCTV) system will be used for Surveillance of exterior spaces, entrance/exits to the buildings, and common area spaces via hard wired video cameras. The proposed system will include remote video cameras located at strategic locations throughout the facility. The camera locations will be determined in conjunction with Montgomery College security representatives. All cameras will be IP type. Software, storage requirements and monitoring policies are to be further outlined in the DD phase of the project. At a minimum the recording policy archives to

be 30 days in duration.

Each camera location requires one category 6 cable with white 8-position 8-conductor 568B termination outlets at mount location. Category 6 cable terminations in a single gang dual position white faceplate. TR termination category 6 cable terminations onto 48 port rack mounted patch panel. Proposed monitoring location (i.e. the Security Office) will have a 43" LCD screen specified. The system will also require conduits and cable tray for routing of cables above finished ceiling.

Montgomery College's current standard for surveillance camera equipment is Mobotix.

F. TELECOMMUNICATIONS STRUCTURED CABLING SYSTEM

The following outlines design and performance features for the data network, Voice over Internet Protocol (VOIP), and terrestrial video (CATV) telecommunications Structured Cabling System (SCS) to be specified for the Macklin Tower Library. Wherever possible, existing standards for the telecommunications SCS will be incorporated into the design of the new facility. This narrative also describes the Telecommunications Rooms (TRs) required to support the SCS. These rooms require coordination with the architect, as well as the electrical, mechanical and structural engineers.

The SCS shall be installed to support the majority of the Information Technology (IT) systems requirements, building management systems, security and access control systems. The Structured Cabling System solution manufacturer will be Molex for copper cable, Sumitomo for fiber cable and Belden for Coax cable, with a minimum Twenty-five (25) year warranty.

CTDG will use the following specifications as the basis of design for the Macklin Tower Library SCS and TRs.

1.Outside Plant Cabling Connection
There will be no Outside Plant Cabling Connection to Existing Campus Utilities required for this project. Connectivity will be achieved through the existing building's facilities.

2. Intra-Building Vertical Riser Cable System
The Intra-Building Vertical Riser cabling will be installed to connect the renovated areas to the existing network. Cabling will run from the Main Point of Presence (MPOP) within the Macklin Tower Library to the Server/Telecommunications Room (TR). Suggested cable types and quantities are as follows:

1) One (1) 50 pair copper cable
2) One (1) 0.500" Coaxial cable
3) One (1) 24 Strand Multi Mode Optical Fiber cable

3. Communications Horizontal Cabling
All network cables will be terminated onto Category 6 48-port patch panels in each TR. There will be horizontal wire management above and below each patch panel. At the station locations the Category 6 cables will be terminated onto 8-position 8-conductor colored to match the faceplate modules, which will be single gang and colored to match the electrical faceplates. The coax cables will be terminated with F style connectors at each end and a 90-degree coupler will be specified at the station side.

4. Communications Cable Pathway
The primary intra-building horizontal pathway systems pathway for telecommunications cabling throughout the interior of building will be via cable tray. The cable tray will be sized to accommodate 50% fill capacity of specified cables. For any cable tray that passes through a rated wall the cable tray will stop and fire stop sleeves that match the walls rating will be placed in the wall space.

The secondary pathway will be non-continuous cable supports (NCCS) "J-hooks" and Ceiling Straps that will be utilized for any areas between conduit stub-ups and cable tray that exceeds 1.2m. The NCCS will be installed between 1.2m and 1.5m centers. The outlet pathway will include EMT conduit stubbed to accessible above finished ceiling space or cable tray. The EMT fill ratio is not to exceed 40% with 3 or more cables.

5. TR Room Categories
The Telecommunication Room (TR) is an enclosed architectural space for housing telecommunications equipment, cable terminations, and cross-connect cabling. The following sub-categories describe the different requirements for each TR.
1) Horizontal cross-connect (HC): A group of connectors (e.g., patch panel or punch-down block) that allows equipment and backbone cabling to be cross-connected with patch cords or jumpers. Floor distributor is the international equivalent term for horizontal cross-connect.
2) ntermediate cross-connect (IC): The connection point

between a backbone cable that extends from the main cross-connect (campus distributor [first-level backbone]) and the backbone cable from the horizontal cross-connect (floor distributor [second-level backbone]). Building distributor is the international equivalent term for intermediate cross-connect.
3) Main cross-connect (MC): The cross-connect is normally located in the (main) equipment room for cross-connection and interconnection of entrance cables, first-level backbone cables, and equipment cables. Campus distributor is the international equivalent term for main cross-connect. (MDF or BDF)
4) Entrance facility (EF): An entrance to a building for both public and private network service cables (as well as wireless) including the entrance point at the building wall and continuing to the entrance room or space.

The maximum cable length distance between the TR room and the end user outlet should not exceed 295'. The main TR room will be used for the CATV head end. The TR is to be sized minimum 10' X 15' housing the following systems: Telecommunications Hardwired and Wireless Infrastructure, LAN equipment, Access Control, CCTV, Building Automation Systems, and Public Address & Paging Systems.

6. Architectural Room Design
The TR walls shall extend from the finished floor to the structural ceiling (slab), be covered with two coats of fire-retardant white paint (or other light-colored finish), and be fire-rated as required by the applicable codes and regulations. Three of the TR walls shall be covered with a 19mm (3/4 trade size) A-C graded plywood backboard, securely fastened to the supporting walls with the A grade surface face out and painted with at least two coats of fire-retardant paint which matches interior room color.

The TR ceiling recommended height from the finished floor to the finished ceiling is at least 8.5 feet. Any ceiling protrusions (e.g., sprinkler heads) must be placed to assure a minimum clear height of 8 feet that is clear of obstructions. This is to provide space over the equipment frames for cables and suspended cable/ladder trays. The ceiling finish should minimize dust and be light colored to enhance the room lighting.

The TR floor shall be a concrete surface coated with a static dissipative and nonconductive porous surface sealant designed for high-technology environments or if floor tile is used then the floor tile shall be Electrostatic Discharge type that is bonded to the TR busbar with a measured resistance between of < 1 Ohm.

The TR doorways that are planned for use during equipment delivery must have fully opening, lockable doors that are at least 3 feet wide and 7 feet tall. Wherever possible, the doors to all TR's should open outward. All TR doors shall be securable with restricted key card access.

7. Environmental Control (HVAC)
Telecommunications equipment can be sensitive to environmental conditions and typically has strict requirements for its operating environment. Each TR requires the HVAC system to function properly at all times (24 hours per day, 365 days per year). If a building's HVAC system cannot ensure continuous operation (including weekends and holidays), provide a stand-alone HVAC unit with independent controls for each space.

The HVAC system that serves the TR shall be connected to the building emergency generator.

The HVAC system that serves the TR should be tuned to maintain a positive air pressure differential with respect to surrounding areas. If environmental conditions warrant, provide equipment to control humidity and air quality.

The standard for environmental control systems in each TR is to maintain a temperature of 64°F to 75°F (18°C to 24°C) with a relative humidity of 30% to 55%. HVAC sensors and controls must be located in the equipment closet. Ideally, the sensors are placed 5 feet above the finished floor, and should be IP addressable.

Every TR should be designed to provide two complete changes of air per hour as a minimum, or meet the below listed BTU requirements, whichever is greater. Each full height telecommunications equipment rack may require heat dissipation of up to 15,000 BTU per hour per and server equipment rack may require heat dissipation up to 32,000 BTU per hour per.

8. Electrical Service
Provide each TR with a power supply circuits that serve only the one room and terminates in its own electrical panel. The feeders that supply the power for telecommunications equipment should be dedicated only to supplying that equipment (see NEC Article 215 and CEC Section 26). Power required for other equipment in the room (e.g.,

fluorescent lighting, motors, air conditioning equipment) should be supplied by a separate feeder, conduit, and distribution panel. Also each TR power feeder for telecommunications equipment should be served with emergency generator power.

Each floor standing telecommunications rack should have one (1) dedicated 220-volt 30amp circuit with a L6-30R receptables. Each full height audiovisual or server rack should have four (4) dedicated 110VAC 20amp circuits with duplex receptables. The TR should also have convenience duplex receptacles on a 20amp Circuit, located at 18" AFF and placed at 6' intervals around perimeter walls. All telecommunications equipment with dual power supply shall be fed from different circuits.

The TR should be served by an UPS capable of providing a support load of 20kW for 30 minutes of uninterrupted emergency backup power to each equipment rack. This will serve to maintain equipment status during switchover to emergency generator power.

The College has standardized on utilizing the APC Matrix series UPS system.

9. Lighting

The lighting for the TR's should be adequate and uniform that provides a minimum equivalent of 500 lux (50 footcandles) when measured 3 feet above the finished floor level. The light fixtures shall be located a minimum of 8.5 feet above the finished floor. The light switches shall be located near the entrance and dimmers are not recommended. The lighting layout needs to be coordinated with the equipment layout—especially overhead cable trays/ladder racks—to ensure that the light is not obstructed. The power for the lighting should not come from the same circuits as power for the telecommunications equipment. Also utilize a light-colored finish to enhance room lighting and provide any emergency lighting as required by applicable building codes.

10. Bonding And Grounding

TR bonding/grounding is to conform to the following codes, standards, and practices: NFPA 70 of NEC, ANSI J-STD-607-D, IEEE, latest edition of BICSI method manual and all applicable National, State and Local building codes. Each TR space requires a telecommunications Secondary Bonding Busbar (SBB) connected to a telecommunications Primary Bonding Busbar (PBB) and bonded to approved building ground. All TR space connections are to be bonded with a minimum 6 AWG conductor with compression crimp style connectors with a double lug pattern for busbar connections and for all other connections. The use of stainless-steel hardware for connection is required. Each equipment rack should have its own telecommunications equipment bonding conductor (TEBC) sized at 6AWG wire run to the SBB. The ladder tray bonding may be daisy chained. Consideration should also be given to a Telecommunications Bonding Backbone (TBB) size of up to 750 kcmil. The TBB is to be connected to the Electrical Service Ground.

If the environment requires communications copper cabling entrance protection in the TR then all copper entrance cable to be terminated in a protected entrance terminal and protected by 240VDC solid state type modules that are UL497 listed.

G. ACOUSTICS

This section of the report outlines acoustical design goals for the Montgomery College Macklin Library Renovation to be located in Rockville, MD. It is intended as a starting point to further discussions and more detailed planning as the project progresses through future design phases. As the project moves forward, more detailed calculations and recommendations shall be forthcoming. Design goals outlined below should be presented to the Montgonery College officials, Hord Coplan Macht Architects, and the mechanical design team for their review and consideration. The following documents have been referenced to establish the acoustical design criteria:

1) LEED v4.1
2) ASHRAE Applications Handbook 2015, Chpt. 48
3) ANSI S12.60-2010

This section outlines design criteria for a suitable acoustical environment. These acoustical criteria are critical so that the conference rooms will have suitable Speech Intelligibility (SI), especially for video teleconferencing. The driving factor behind SI is the Signal to Noise ratio, which will be affected by the background noise level from the HVAC system, extraneous noise from adjacent spaces and reverberation within the space. The design criteria below will be useful to the owner, architect and mechanical design team.

1. HVAC SYSTEM DESIGN CRITERIA

Background noise level criteria for the spaces are recommended based in terms of Noise Criteria (NC)

levels. The NC level refers to the maximum recommended background noise produced by all fixed mechanical equipment serving the space. NC is critical because it directly influences the Signal to Noise ratio, which is key for the Speech Intelligibility (SI) of a given space. Through the design process, CTDG will analyze all noise sources and recommend specific methods of sound attenuation to comply with the recommended NC levels.

Noise will transmit into spaces by the sound paths listed below.

1) Duct-borne Noise – Noise transmitted from the fan to the diffusers and grilles via the supply and return air ducts. Noise levels are typically highest at the diffusers and grilles closest to the fan.

2) Duct Breakout Noise – Noise that transmits through the sheet metal ductwork and into the spaces below. Duct breakout noise transmission is highest closest to the fan. For air handler units (AHUs) duct breakout noise transmission is generally the worst at the point where the supply and return air ducts first penetrate into the spaces.

3) AHU Casing Radiated Noise – Noise radiated from the AHU enclosure and into the space below, including noise transmission directly below the AHU and through adjacent roof transmission paths. Noise levels are highest at locations closest to the AHU.

4) Terminal Unit Noise – Noise transmitted through the ductwork to the supply air diffusers (discharge noise) and noise transmitted to the space below through the plenum and ceiling tile (radiated noise). Noise levels are highest at diffusers closest to the ATU box and at room locations under the ATU box.

5) Diffuser and Grille Noise – Noise generated by supply air diffusers and return air grilles, commonly due to high air velocities through the devices. The total in-room noise level will be a summation of the individual noise levels from the multiple diffusers and grilles.

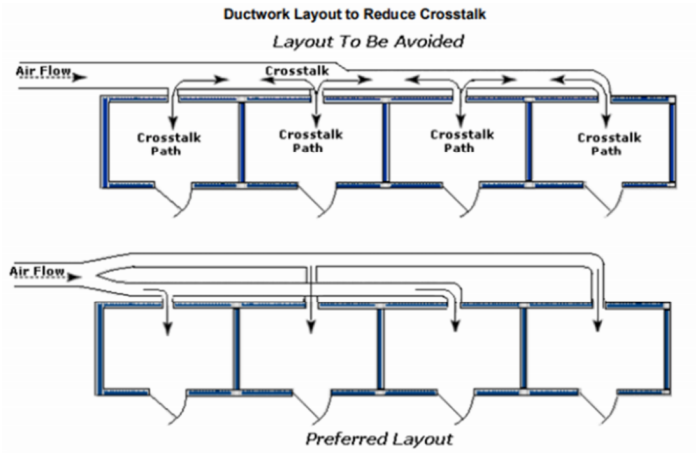
6) Structure-borne Noise – Noise transmitted by the equipment vibration that is coupled to the building structure and radiates as airborne noise.

The maximum recommended background noise levels or Noise Criterion (NC) values for various spaces are detailed in Table 1.

TABLE 1 - RECOMMENDED MAXIMUM NC VALUES FOR UNOCCUPIED SPACES

TYPE OF SPACE	NC VALUE
Classrooms	30
Conference Rooms (no VTC)	30
Conference Rooms (w/VTC)	25
Corridors and Lobbies	40
Executive and Private Offices	30
Laboratories/Group Teaching	35
Library	30
Open Plan Offices	40

CTDG will analyze the NC levels for the spaces listed Table 1 as the design progresses. If adjacent spaces share ductwork, ducts should run through corridors, rather than between spaces. Crosstalk occurs when noise generated within one room travels through ductwork into another room. See the figure "Ductwork Layout to Reduce Crosstalk" below for suggested duct layout conditions.



2. SOUND ISOLATION

Sound isolation between spaces is expressed in terms of the Sound Transmission Class (STC) ratings (for airborne sound transmission) and Impact Isolation Class (IIC) ratings (for structure borne sound transmission). The STC ratings are applicable for both partitions and floor/ceiling assemblies. IIC ratings are applicable to floor/ceiling assemblies and are recommended to be no less than IIC 55. Higher numerical values indicate better sound isolation. Recommended ratings are shown in Table 2.

TABLE 2 – SOUND ISOLATION (STC)

ADJACENCY		MINIMUM STC
Collaborative/Multi-Use	Collaborative/Multi-Use	35
	Private	45
	Confidential	50
Conference Room	Corridor	45
	Office	50
	Common Use Area	50
	Conference Room	50
Mechanical Room*	Corridor	50
	Office	60
	Conference Room	60
Office	Corridor	45
	Office	45
	Office (Confidential)	50
	Common Use Area	45
Restroom	Corridor	45
	Office	45
	Conference Room	45
	Common Use Area	45

**STC recommendations for Mechanical/Electrical adjacencies may change depending on the acoustical data for equipment housed in the spaces to be analyzed in Construction Documents.*

Table 3 lists several typical wall assemblies and their resulting STC ratings, for reference. CTDG recommends that 25-guage studs at 24" O.C. be used for steel stud wall assemblies. This design will attain a higher STC rating for a particular wall than if 20-guage studs are used at 16" O.C.

TABLE 3 – STC RATINGS OF TYPICAL WALL ASSEMBLIES

PARTITION ASSEMBLY				STC RATING
One (1) layer 5/8" gypsum board	3-5/8" steel stud, 20-guage, 16" O.C.	2" fiberglass insulation	One (1) layer 5/8" gypsum board	42
One (1) layer 5/8" gypsum board	3-5/8" steel stud, 25-guage, 24" O.C.	2" fiberglass insulation	One (1) layer 5/8" gypsum board	46
One (1) layer 5/8" gypsum board	6" steel stud, 25-guage, 24" O.C.	2" fiberglass insulation	One (1) layer 5/8" gypsum board	50
8" CMU, 95 PCF	-	-	-	44
8" CMU, 135 PCF, fully grouted	-	-	-	57

3. INTERIOR ACOUSTICS

The determining factors in recommended reverberation times are the volume and intended use of each space. Room acoustics calculations will be completed and direction provided to the architect to establish room reverberation times for the programmed spaces once the design has progressed to a sufficient point. Once calculations have been completed, direction will be provided on finish materials needed for room surfaces to meet the design criteria. The reverberation times detailed in Table 4 are to serve as a design goal target.

TABLE 4 - RECOMMENDED REVERBERATION TIMES FOR UNOCCUPIED SPACES

TYPE OF SPACE	REVERBERATION TIME (seconds)
Classrooms	0.4 – 0.6
Conference Rooms (no VTC)	0.4 – 0.6
Conference Rooms (w/VTC)	0.4 – 0.6
Executive and Private Offices	0.4 – 0.6
Laboratories (w/speech communication)	0.4 – 0.6
Library	< 1.0
Open Plan Offices	0.6 – 0.8

STRUCTURAL DESIGN INTENT NARRATIVE

STRUCTURAL DESIGN INTENT NARRATIVE

A. PROJECT DESCRIPTION

Interior renovation on an existing 7 story concrete frame structure. Existing floors are 7 1/2" flat slabs with 3 5/8" thick drop panels where required. Renovation work is primarily concentrated in the four floors at the base of the structure.

B. STRUCTURAL SCHEMATIC DESIGN OBJECTIVES

The effort during this phase of the design concentrated on evaluating different structural systems and selecting the most appropriate and cost effective one for use in the building.
The evaluation of the various structural systems was based on the following considerations:

▪Support the live, superimposed, and lateral loads as required by the code and the Owner for the particular use of the building.
▪Coordination with the structure of the existing building to the extent that it still serves the desired building functions.
▪Compatibility with deflection and vibration limits as defined and appropriate with the proposed building use and architectural cladding and finishes.
▪Adaptability of the structural systems to the architectural and mechanical requirements in the different parts of the building.
▪Consider sustainability and environmental impacts of materials chosen for us.
▪Flexibility of the structural framing systems to future modifications in use.
▪Impact on construction cost and schedule.

C. STRUCTURAL DESIGN CRITERIA

1. Applicable Codes

a. Maryland Building Performance Standards – 2023
b. Maryland Building Rehabilitation Code - 2023
c. International Building Code – 2021
d. International Existing Building Code - 2021
e. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures – 2016
f. ACI 318 – Building Code Requirements for Structural Concrete - 2019
g. AISC 360 – Specification for Structural Steel Buildings - 2016
h. AWS CURRENT EDITION
i. ASTM CURRENT EDITION
j. UL CURRENT EDITION

2. Materials

a. Concrete

	28 Day Strength	
Typical Existing Concrete	fc'=	3000 psi, normalweight
Existing Concrete Columns	fc'=	4000 psi, normalweight
Existing Hollowcore Planks	f'c=	5000 psi
Typical New Concrete	fc'=	4000 psi, normalweight

b. Reinforcing Steel

Typical Existing Reinforcing	ASTM A615 Grade 60
Typical Existing Stirrups/Ties	ASTM A615 Grade 40
Existing Prestressing Steel	250 ksi (in hollowcore planks)
Typical New Reinforcing	ASTM A615 Grade 60
New Weldable Reinforcing	ASTM A706 Grade 60

c. Structural Steel

W, WT, C, MC Shape Sections	ASTM A992 Grade 50
Structural Tubes	ASTM A500 Grade C
All other Sections	ASTM A36

d. CMU Walls

Hollow Light Weight	fm'= 2000 psi
Mortar	Type S
Grout	fc'= 3500 psi

3. Design Loads

a. Building Classification for Importance Factors

Category II – "Buildings where more than 300 people congregate in one area" (Auditorium)

b. Existing Design Live Loads (per drawings)

First, Second, and Third Floors	150 psf
Low Roof at Fourth Floor level	150 psf
Hollowcore Precast Plank at roof	40 psf
Fourth, Fifth, Sixth, and Tower Roof	60 psf + 20 psf partition
Stairs and Terrace	100 psf

c. Occupancy Live Loads

Typical Interior Space	100 psf
Light storage	125 psf
Mechanical (Typ.)	150 psf (or heavier per equipment weight)
Roof Load	30 psf + add'l snow drift
Roof top Equipment	Actual Equipment Weight
Stairs	100 psf

d. Superimposed Dead Loads

Typical Floor Finishes	5 psf
Typical Ceiling Finishes	3 psf
Typical MEP under floors & roofs	7 psf
Ceilings above mechanical rooms	30 psf
Roofing 15 psf	

e. Snow Load

Ground snow load	pg = 25 PSF
Snow exposure factor	Ce = 1.0 (Partially Exposed Roof)
Snow thermal factor	Ct = 1.0
Snow importance factor	I = 1.0
Flat roof snow min.	Pf = 18 PSF

f. Lateral Loads

Wind Loads per IBC 2021 / ASCE 7 - 16

Basic Wind Speed (3 sec gust)	112 mph
Wind Speed for Drift Design	89 mph (50 year MRI)
Analysis Procedure	Directional (Chapter 27)
Exposure Category	C
Enclosure Classification	Partially Open

Seismic Loads per IBC 2021 / ASCE 7 – 16

Earthq. Response Spectral Accel.	SS = 0.135 g ; SD = 0.043 g
Site Class	D
Design Spectral Response Accel.	SDS = 0.144 g ; SDI = 0.069 g

Seismic Design Category	B
Allowable Story Drift	0.020 hSX
Basic Structural Lateral System	Ordinary RC Moment Frame
Response Characteristics	R=3.0 W0=3.0 Cd=2.5

4. Deflection Limits

a. Floor Deflection (Long Term + Live Load)	L/360
(Unless more restrictive by equipment or finishes tolerances)	
b. Deflection of members supporting CMU or Brick Veneer walls	L/600 or ½" max
c. Vertical deflection of members supporting curtain wall	L/480
(More restrictive as needed to maintain the system joints functional.)	
d. Horizontal deflection of members supporting curtain wall laterally	L/240
(More restrictive as needed to maintain the system joints functional.)	
e. Roof Live Load Deflection (Maximum with Ponding Control)	L/240
f. Roof perimeter members supporting cladding:	Per applicable limits above
g. Maximum Story Drift from Lateral Loads	H/400

5. Foundation Parameters

a. Existing Spread Footings	4,000 psf (per documents)
b. Existing Caisson Foundations	5,000 psf (per documents)
c. Anticipated settlement between foundations on fill and foundations on rock	1 inch

D. STRUCTURAL MODIFICATIONS ANTICIPATED

1. Central Circulating Stair

In addition to two central stairs in the tower portion and two perimeter stairs in the library, the library features a large central stair that serves the first, second, and third floors. The stair does not extend to the basement or the low roof above. The stair is approximately 31' x 19', and it is enclosed with glass walls on the south and west sides and solid CMU walls on the north and east sides. All framing for the stair is cast-in-place concrete.

The renovation plan is to demolish this stair and the surrounding glass walls and build a new circulating stair that winds around a central open atrium. For ease of erection and simplicity of construction scheduling, we propose that the new stair be framed with steel, with concrete infill pans at the treads and landings to support architectural finishes. Stringers can be HSS sections for appearance or channel sections if cost is a more significant concern.

It will be most efficient if the configuration can be set up to allow bearing elements in the center of the shaft (such as a beam framing north-south between the pair of columns within the opening). As an alternative, it may be feasible to place verticals at the northeast and northwest of the central atrium. Since there is no connection to the basement and these locations fall within occupied space at this level, the new verticals would need to be either supported on transfer girders below the first floor slab or hung from transfer girders at the roof level. It is feasible to construct the stair without these internal supports, but it will be more complex to frame and more expensive to build.

2. Central Skylight

The area directly above this central stair at the fourth floor level (low roof) is presently framed as a removable slab with 8" pre-stressed hollow-core planks. As a means of getting additional natural light into the spaces below, it is under consideration to remove this slab and replace it with a skylight. Structural impact of this change should be relatively minimal – the skylight itself will almost assuredly weigh less than the precast planks that currently exist. The only potential complication is that this skylight removes one of the potential avenues of internal support for the stair below – hanging internal supports from steel at roof level would be architecturally objectionable if the roof becomes a skylight.

3. Existing Restrooms

The bay immediately east of the central stair (and the bay immediately north of that) are currently occupied with restrooms. The design intent is to demolish these restrooms and place new facilities in the bays north of the stair. The restrooms themselves will likely have a minor structural impact. The holes in the slab used for current plumbing servicing these fixtures can relatively easily be patched. Due to the design floor live load of 150 psf when only 100 is required by code, it will likely be feasible to cut occasional existing reinforcing bars to place new fixtures. Prior to filling the holes from the existing plumbing, it will be necessary to carefully scan the sides of those holes for cut reinforcing (or presence of sleeves) so that we can be certain that this existing capacity has been maintained and this flexibility hasn't already been used.

4. New Mechanical Shaft

The most significant structural complication of this renovation work is the need for a new shaft to account for the increased airflow required by current mechanical codes. It is currently anticipated that the shaft will need to be approximately 14' x 6'. An opening of this size will definitely have structural consequences. It would be ideal to locate this opening toward the center of a bay, but this is usually not possible as the spaces in the center of the bay are generally the most architecturally desirable. It is likely that this new shaft will require steel reinforcing under the existing slabs, both at the perimeter and within the bays to account for the loss of continuity resulting from cutting the existing reinforcing. This will be analyzed more precisely during design phases once the ideal location and size of the shaft has been established.

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SECTION 04

Design Intent Documents
Outline Specifications

06 4116 Plastic-Laminate-Faced Architectural Cabinets

Description: Custom Grade.

Materials - General:

Plastic Laminate: High pressure decorative laminate complying with NEMA LD 3, Grade GP-50

Edgebanding: Rigid PVC extusions, through color with satin finish, 3mm thick

Particleboard: ANSI A208.1, Grade M-2 that complies with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

Countertops:

General Use: Plastic laminate over straw-based particleboard: ANSI A208.1, Grade M-2, except for density, made with binder containing no urea formaldehyde.

Restrooms:

Removable vanity p-trap cover panel

Hardware:

Hinges: European

Drawer Pulls: stainless-steel, back-mounted wire pulls.

Drawer Slides: Side mounted, epoxy-coated steel, self-closing; designed to prevent rebound when drawers are closed; complying with BHMA A156.9, Type B05091.

Locks: Cam type, brass with chrome-plated finish; complying with BHMA A156.11, Type E07281

Adjustable Shelf Supports: Powder-coated steel shelf rests complying with BHMA A156.9, Type B04013.

Section 061053 - Miscellaneous Rough Carpentry

Description: Wood blocking and nailers, plywood backing panels, utility shelving.

Provide non-treated lumber for blocking concealed within interior partitions.

Wood preservative treated (PT). Provide PT for all rough carpentry at roof and parapet.

Fire-retardant-treated (FRT). Provide FRT for all miscellaneous rough carpentry in exterior walls and plywood backing panels in Technology Rooms.

07 8413 Penetration Firestopping

Penetration Firestopping:
Basis of Design: Hilti, Inc.

Permanent Backing Materials:
Rock-wool-fiber insulation.

Locations: Install fill materials at all interstitial spaces at all roof penetrations, floor penetrtions, and rated wall or partition penetrations.

07 9200 Joint Sealants

General:
Products compliant with requirements of the California Department of Health Services "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

Nonstaining Silicone Joint Sealants:
Basis of Design: Pecora Corp., 890 FTS
Location: Exterior joints in vertical surfaces and horizontal traffic surfaces.

Silicone Joint Sealants:
Basis of Design: Dow Corning 888 or 890 SL Grey Silicone
Location: Exterior joints in horizontal traffic and non-traffic surfaces.

Urethane Joint Sealants:
Type: M, NS, 50, NT
Basis of Design: Pecora Corp., Dynatrol II
Location: Interior joints in vertical surfaces and horizontal non-traffic surfaces.

Type: M, P, 25, NT
Basis of Design: LymTal Intenational, Inc. Iso-Flex 888QC
Location: Interior joints in horizontal traffic surfaces.

Immersible Joint Sealants:
Type: M, P, 25, T, NT, I
Basis of Design: LymTal International, Inc. Iso-Flex 880GB
Location: Exterior joints in horizontal traffic surfaces subject to water immersion.

Mildew Resistant Joint Sealants:
Type: Silicone, Mildew Resistant, Acid Curing, S, NS, 25, NT
Basis of Design: Dow Corning Corp., 786-M White
Location: Interior joints in vertical surfaces and horizontal non-traffic surfaces at plumbing fixtures and tile.

Butyl Joint Sealants:
Basis of Desing: Pecora Corp., BC-158
Location: Concealed mastics under aluminum thresholds and sill plates.

Latex Joint Sealants:
Basis of Design: Pecora Corp., AC-20
Location: Interior joints between interior wall surfaces and frames of interior doors, windows, and elevator entrances.

Joint-Sealant Backing:
ASTM C 1330, Type B
Basis of Design: SOF-Rod Bi-Cellular Polyethylene Backer Rod

Section 08 1113 - Hollow Metal Doors and Frames

Interior Doors:
Cold Rolled Steel, ASTM A366, 16 gauge

Exterior Doors:
Hot Dipped Galvanized Steel having an A60 zinc coating conforming to ASTM A526, 14 gauge, R-4

Interior Frames:
Cold Rolled Steel – 16 gauge up to 3'-6" wide, 14 gauge for wider.
Fully welded (KD frames not acceptable)

Exterior Frames:
Hot Dipped Galvanized – 14 gauge
Fully welded (KD frames not acceptable)

Section 081416 - Flush Wood Doors

Interior Flush Wood Doors:
Solid Core, rift sawn and book matched, AWI Grade premium, PC-5 Construction.

Match existing species and stain.

Section 083113 - Access Doors and Frames

Access Doors:
Flush access doors with exposed and concealed trim, 16 gauge frame, 14 gauge door, continuous hinge, key-operated cylinder, factory finished (baked enamel).

Use stainless steel at Restroom ceilings and locations with high humidity.

Quantity: Assume 1 required for every water closet or urinal.

Section 084113 - Aluminum-Framed Entrances and Storefronts

Interior storefront framing, including manual-swing entrance doors:

Thermal Transmittance (U-Factor):

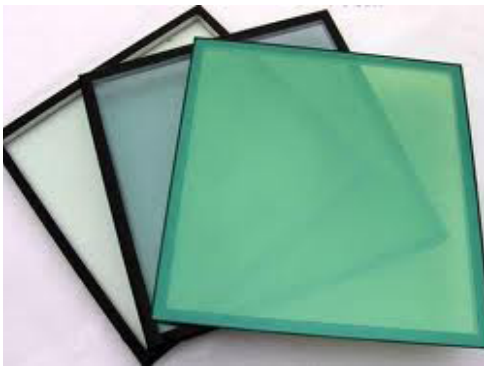
Fixed Fenestration: Maximum U-0.38.
Operable Fenestration: Maximum U-0.45.
Entrance Doors: Maximum U-0.77.

Solar Heat-Gain Coefficient (SHGC):

Maximum 0.40 (South, East, West),
Maximum 0.53 (North).

Finish: Color anodic finish in black.

Basis of Design: Kawneer Trifab 451-UT (double-thermally-broken) at exterior, Kawneer Trifab 451 at interior.



Section 088000 - Glazing

Clear, annealed float glass:

ASTM C 1036, Type 1, Class 1, Quality-Q3.

Clear fully tempered float glass:

ASTM C 1048, Kind FT, Condition A, Type 1, Class 1, Quality-Q3.

Clear, heat-strengthened float glass:

ASTM C 1048, Kind HS, Condition A, Type 1, Class 1, Quality-Q3.

Interior window film:

ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.

Flammability: Surface burning characteristics when tested in accordance ASTM E 84, demonstrating film applied to glass rated Class A for Interior Use.

Flame Spread Index: no greater than 25
Smoke developed Index: no greater than 55

Frost/matte film with 50 percent visible light transmission.
Locations: Private Offices, assume at least 50 percent of offices.

Architectural film with 50 percent visible light transmission with custom graphic. Artwork to be provided by Architect.
Locations: Meeting spaces

Section 90561 - Moisture Vapor Emission Control

Moisture Vapor Emission Control:

Fluidapplied membrane-forming epoxy underlayment for use when concrete substrate exceeds flooring manufacturer moisture-vapor-emission rate tolerances. Provide an allowance.

Basis-of-Design: Mapei Corporatin, Planiseal EMB.

Section 092216 - Non Structural Framing

Non-load bearing steel framing systems:

Description: For interior partitions, suspension systems for interior ceilings ans soffits, grid suspension systems for gypsum board ceilings.

Studs, tracks, and runners:

ASTM C645, Galvanized G40. Minimum base metal thickness as required by performance requirements, but not less than 25 gauge at walls, and not less than 20 gauge at openings.

Deflection Tracks:

Steel sheet top runner manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above; in thickness not less than indicated for studs and in width to accommodate depth of studs.

Section 092900 - Gypsum Board

Gypsum Wallboard:

ASTM C 1396/C 1396M, Type X, 5/8 inch, tapered edges.
Locations: Typical everywhere, unless noted otherwise.

ASTM C 1396/C 1396M, Type C, 5/8 inch, tapered Edges.

Abuse-Resistant Gypsum Board:

ASTM C 1629/C 1629M.
Locations: Corridors, first four feet above slab if not protected by wainscot.

Glass-Mat Interior Gypsum Board:

ASTM C 1658/C 1658M. With fiberglass mat laminated to both sides.
Locations: Contractor Option for use at pre-rock/early rough-in wall installation at concealed locations.

Mold-Resistant Gypsum Board:

With moisture-and mold-resistant core and paper surfaces.
Locations: Toilet room and Custiodial walls and closets if not finished with tile or FRP.

Tile Backing Panels:

Glass-mat water resistant backing board:
ASTM C 1178/C 1178M
Locations: At all walls with tile except as noted otherwise.

Cementitious Backer Units:

ANSI A118.9 and ASTM C 1288 or ASTM C 1325
Locations: At wall tile at showers.

Interior Trim:

At architectural intersections, and shadow and reveal beads.

Note: The following STC ratings are required for partitions according to Johns Hopkins design standards:

STC 50-55: Executive offices with adjacent spaces

STC 45-50: Private offices, conference and meeting rooms, and classrooms with adjacent spaces

STC 40-45: High activity spaces with adjacent spaces

Level 5 finish shall be used in areas where applied wall finishes, graphics, or a plaster levvel of finish is indicated on the contract documents. For any appplication of Level 5 finish, a mock-up is required.

Section 093013 - Ceramic Tiling

Porcelain Floor & Wall Tile:
Unglazed rectified with through-body color.

Ceramic Wall Tile:
Glazed, rectified.

Slip resistance:
Dynamic coefficient of friction not less than 0.42 per the DCOF AcuTest contained in ANSI A137.1-2012, Section 9.

Grout:
ANSI A118.7 High-performance tile grout, and ANSI A118.3 water-cleanable epoxy grout at floors. Sanded and no-sanded grouts are acceptable for wall tile and shall be sealed with a water tight silicone impregnator.
Locations: At restroom tile, and in areas needing high performance cleanable grout.

Mortar:
ANSI A118.4 Modified dry-set mortar at typical tile, and ANSI A118.15 Improved modified dry-set mortar at large/heavy tile (LHT), and at glass tile.

Waterproofing and crack isolation:
ANSI A118.10 fluid-applied membrane; Liquid-latex rubber or elastomeric polymer.
Basis-of-Design: CBP, Laticrete, Mapei products.
Location: Restrooms

Metal Edge Strips:
Angle, radius, or L-shaped, height to match tile and setting-bed thickness, exposed-edge material.
Basis-of-Design: Schluter.

Section 095113 - Acoustical Panel Ceilings

Acoustical panels and exposed suspension systems for interior ceilings:
ASTM E 1264

Panel Size:
24 inch x 24 inch (2x2), and 24 inch x 48 inch (2x4).

Panel Thickness:
3/4 inch.

Edge/Joint Detail - Typical:
Basis-of Design: Armstrong Ultima, Square Lay-in (2x2) and (2x4)
Grid, Standard:
15/16 inch, white.
Basis-of-Design: Prelude, 15/16 inch, white.

Trim, Clouds:
Prefinished metal, 4 inch, white.
Note: Extruded profiles to be butt jointed

Locations: Offices, Classrooms, Work Rooms, Meeting Rooms, Corridors

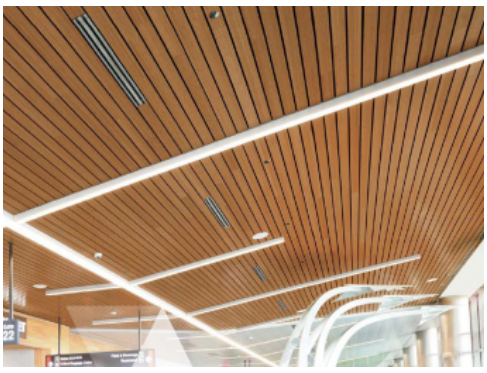
Acoustical baffles suspension systems for interior ceilings:
ASTM C423-17, ASTM E-84 Class A fire rating, ASTM D5116
VOC compliant

Baffle:
Two tone, double layer baffles.

Material:
1" polyester felt, 60% pre-consumer recycled

Installation:
C-clip & twist lock, direct clip to 15/16" T grid.

Locations: Collections, Reading Room, Open Lounges

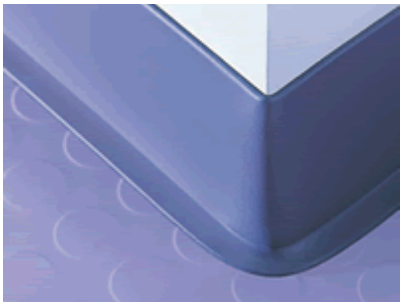


Section 09 5426 - Suspended Wood Ceilings

Wood Acoustic Panels:
Armstrong WoodWorks Linear with acoustic infill and felt backer.

Suspension System:
Suprafine XL 9/16" exposed tee grid in black

Locations: Circulation/Service Desk, Feature Stair



Section 096513 - Resilient Wall Base and Accessories

Thermoplastic Rubber Base:

Basis of Design:
Tarkett 4" Coved Traditional Duracove Rubber Wall Base

Locations: All flooring not 093013 Ceramic Tile

Stair Treads, Risers, and Landings:
Tarkett rubber tread and risers in hammered texture design with riser and color contrasting slip resistant nosing.

Locations: Enclosed stairwells

Section 096519 - Resilient Tile Flooring

Vinyl Composition Tile (VCT):

Basis of Design:
Armstrong Standard Excelon Imperial Texture, per college standards.

09 6813 Tile Carpeting

Carpet Tile:
All Carpet Tile to be CRI certified and have a minumum of 70% recycled content.

Basis of Design:
Interface carpet tile with standard GlasBac backing

Solution dyed yarn. High traffic areas to receive a pile density in the 6000-7000 range and a varied pattern.

Locations: All areas except the first floor lobby workrooms, restrooms, and BOH spaces.

Section 097200 - Wall Coverings

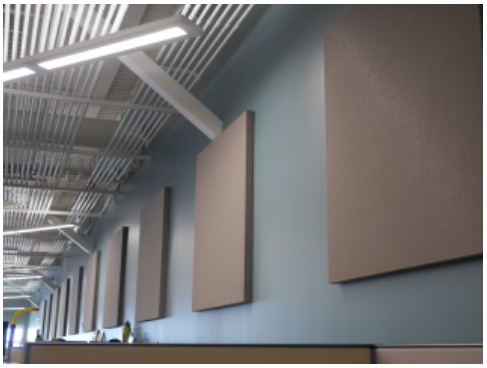
Custom Graphic Vinyl Wall Covering:

ASTM F 793, Type II, mildew resistant, medium duty. Printed with custom digital graphic image.
Face: 3.0-mil Vinyl
Adhesive: Semi-Permanent
Flame Spread: ASTM E-84, NFPA Class A
Location: Assume 300 square feet per floor

Tackable Wall Covering:

Linoleum and cork tackable surface, 1/4 inch, through-color, homogenous, adhered to wall.

Basis of Design: Koroseal Walltalkers "tac-wall."



09 8433 Sound-Diffusing Wall and Ceiling Units

Sound Absorbing Acoustical Wall Panel:

Basis of Design: Kinetics "HardSide Acoustical Wall Panel" 4'-0" x 6'-0" x 2" thick

Location: The Reading Room

Section 099123 - Interior Painting

Interior Paint:

Institutional low-odor/VOC latex system at typical walls, and water-based-light industrial coating system at toilets and other locations requiring higher-performance cleanable walls.

Basis-of-Design: Sherwin Williams Pro-Mar 200 Zero VOC Latex Systems, and Sherwin Williams Pro Industrial Pre-Catalyzed Water-based Epoxy Systems.

Finish/Sheen:

Interior Walls and Ceiling: Eggshell
Hollow Metal Doors and Frames: Semi-Gloss.
Toilet Walls and Ceilings: Epoxy
Exposed Structure: Flat.

Sealed Concrete:

Water-based concrete floor sealer system.

Basis-of-Design: Sherwin Williams H&C Clarishield Water-based Wet-look Concrete Sealer.

Locations: Exposed horizontal concrete surfaces (except polished concrete surfaces).

Section 101100 - Visual Display Units

Markerboard:

½" thick particle board core with 0.005" aluminum foil backing.
Face sheet: Coated 24 gauge enameling grade steel sheet.
Basis-Of-Design: Claridge Series 4

Locations: Classrooms, Study Rooms

Framed Tackboard:

1/4" thick unfaced sheet cork factory bonded to 1/4" thick fiber-board.
Basis-Of-Design: Claridge Series 4

Locations: Offices

Sheet Tack Surface:

Linoleum Cork Tack Surface
Basis-of-Design: Wall Talkers TAC-WALL

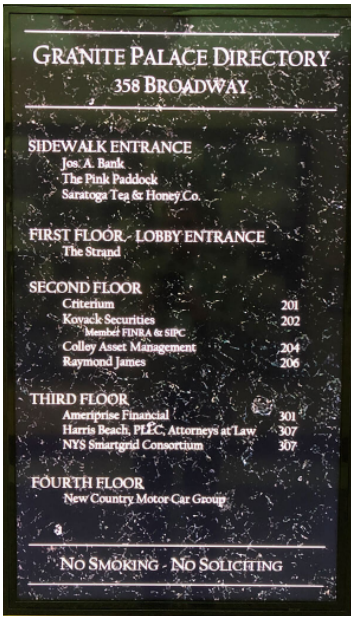
Locations: Offices, student spaces

Glass Markerboards:

1/4" thick tempered safety writing glass
Basis-of-Design: Clarus, Float + Depth

Locations: Meeting Rooms, Conference Rooms in Office Suites

Main Living Rooms (Levels 1-3) will have a 12'-0" x 4'-0"



Section 101300 Directories

Building Directories:

Purpose: To identify departments within a building. Coordinate text with room identification signage.

Signage must comply with Montgomery College Sign System Manual (with addenda) and Maryland Accessibility Code.

The following elements to be located and coordinated with the College:

1. A campus map located outside the building (confirm need at each building with the College).
2. Exterior building identification signs at the main entrance(s).
3. A building floor plan located inside the building, in close proximity to the primary entrance(s).
4. An interior building directory at the main entrance(s) on each floor and all elevator lobbies.

Section 101419 - Dimensional Letter Signage

Surface mounted dimensional letters:

Material: Reverse channel metal, laser cut acrylic, or laser cut acrylic with metal veneer.

Finish: Matte finish, on all faces and returns of letters.

Size: 3-1/2" high

Installation: Flat or pin raised with silicone sealant. For gypsum wall board, provide plywood or MDF backing under gypsum wall board layer.

Location: Department identification from main corridor.

Section 101423 - Panel Signage

Room-Identification Signs:
Signage must comply with Montgomery College Sign System Manual (with addenda) and Maryland Accessibility Code.

The following elements to be located and coordinated with the College:

1. Room number / identification plaques for all rooms including offices, support areas, elevators, stairwells and corridors. See the Room and Door Numbering Standards section in Part 3: Owner's Planning and Programming Requirements of this document. See the Montgomery College Sign System Manual for design standards and definition of content for the room number/identification plaques. Coordinate exact content with the College.
2. Signs for all identification of hazardous areas, and communication of evacuation procedures and means of egress in accordance with the fire and building codes.
3. Directional signs as required.
4. Traditional bulletin boards in public and departmental areas as required.
   Locations: One sign for every door.

Panel Exit Signs:
Standard ADA panel sign identifying exits.

Size: 7" x 4"
Thickness: 3/8 inch.
Locations: One sign for every door requiring illuminated exit light.

10 2113 Toilet Compartments

Solid Polymer Resin Partitions:
Floor mounted, wall supported.

Material: Solid Plastic (HDPE):

Provide 2' deep urinal screens between all urinals
Location: Gender Specific toilet rooms

10 2600 Wall and Door Protection

Stainless Steel Corner Guards:

Locations: Exposed, Outside Edge of Gypsum Board Corners
Assume a total quantity of 20 for the entire building.

Section 102800 - Toilet, Bath, and Laundry Accessories

Washroom Accessories:
Includes: Toilet tissue dispensers, paper towel dispensers, paper towel dispenser-and-disposal combination unit, soap dispensers, grab bars, sanitary napkin disposal unit, and lavatory framed-mirror units and full-height framed-mirror units.

Underlavoratory Guards:
Insulating pipe covering.

Custodial Accessories:
Utility shelves, mop and broom holders, wall-mounted hose holder and floor cleaner dispenser.

Finish: Satin stainless steel

Montgomery College Standards:

Contracted Vendor	Rudolph Supply
Toilet Paper Dispenser	Nittany Paper - NP-24MC
Paper Towel Dispenser	Nittany Paper - NP-PC-0563
Soap Dispenser	Spartan Foam Dispenser 975600Blk
Sanitary Disposal	Hospital Specialty Company - HOSND1E
Toilet Cover Dispenser	Georgia Pacific Corp - GPC57725

10 4313 Defibrillator Cabinet

Portable defibrillator (AED) device and fire-protection cabinet:

Audible and visual alarm, battery powered and tied into the building security system.

Basis of Design: J.L. Industries "LifeStart" AED Cabinets, with alarm

Location: 1 near front door

Section 104413 Fire Protection Cabinets
Section 104416 - Fire Extinguishers

Fire Extinguishers-General:
Portable, hand-carried, multipurpose dry-chemical type: UL-rated 4-A:80-B:C, 10 lb.

Location: Corridors. Provide 4/Floor = 20 total

Fire Extinguishers-Kitchen:
Portable, hand-carried, wet-chemical type K, UL-rated 2-A:1-B:-CLK, 1.6 gal. (6-L) nominal capacity, with potassium acetate in stainless-steel container.

Cabinets, Semi-Recessed:
One-piece combination trim and perimeter door frame overlapping surrounding wall return at outer edge (backbend) and fully glazed.

Basis-of-Design: Larsens FS 2409-6R.

Section 105613 - Metal Storage Shelving

Four-Post Metal Storage Shelving:
Complying with MH 28.1 and field assembled from factory-formed components. Shelves span between supporting corner posts that allow shelf-height adjustment over full height of shelving unit. Provide fixed top and bottom shelves, adjustable intermediate shelves, and accessories indicated.

Locations: Building storage, and IT storage

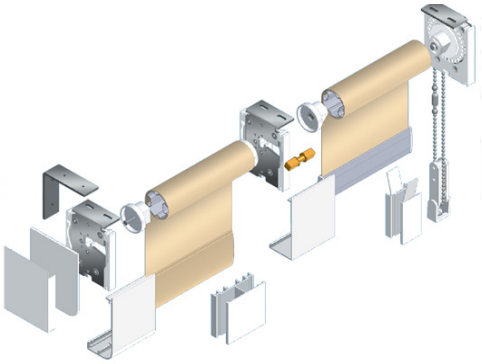
11 3100 Appliances

Refrigerator:
Basis of Design: GE Energy Star, 15.5 cubic foot top-freezer refrigerator with icemaker, ADA compliant, reversible hinge.

Locations: Kitchens and Catering

Microwave:
Basis of Design: GE Energy Star Appliance

Locations: Breakrooms



12 2413 Roller Window Shades

Manual Roller shades:

Basis of Design: MechoShade Systems Inc., Mecho5 drive end bracket with fascia. Sunscreen shade at 3% openness.

Locations: All exterior vision windows at offices, lounges, study rooms and meeting rooms in Macklin Tower portion of Library.

Power Operated Roller Shades:

Basis of Design: MechoShade Systems Inc., Dual roller, Sunscreen at 3% open and blackout shades.

Locations: All Exterior vision windows in Library

123661.16 - Solid Surfacing Countertops

Solid Surface:

Homogeneous-filled plastic resin complying with ICPA SS-1
3/4" thick for countertops and 1/2" thick for window sills

Basis-of-Design: Dupont Corian

Locations: Restroom counters, casework counters, and window sills

Section 142000 - Elevators

Refurbish Existing Interior Elevator Cab:

Plastic laminate wall panels with stainless steel reveals
Metal pan ceiling with LED down lights

Locations: Macklin Library

SECTION 05

Meeting Minutes
Schematic Design Drawings
ADA Report
Asbestos Report

Meeting Minutes

MEETING RECORD

hord | coplan | macht

Date:	07-11-2024
Project:	MC Library Renovation
HCM Project No	224112.00
Prepared by:	M. Ferraro /L. Lumadue

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No.	Item		Action By
1	Agenda: 1. Introductions 2. Yesterday's Learner to Today's Learner 3. HCM Process and Body of Work 4. Design Schedule 5. Guiding Principles 6. Program and Adjacencies 7. Schemes 8. Next Steps & Action Items		-

2	HCM walked MC through our work, process and our understanding of today's learners and their flexible needs. HCM reviewed the guiding principles that HCM worked with MC to develop.		-

3	HCM showed the spatial context diagram and revised program counts as we understand them from Quinn Evan's program analysis in 2020
	• HCM posed the question of where collections are going and how much square footage they actually need. HCM requests that MC provide feedback on what is shown.
	  o MC indicated that they are embarking on a "weeding" project which will inform this square footage. MC to send the linear feet requirements to HCM after this process.
	• MC feels collections should be on multiple floors as indicated.
	  o Textbooks would be located on the first floor behind the service desk; no current estimation of linear footage needed; MC to provide text book space needed to HCM.
	  o There is also space for "leisure" material (newspapers and magazines) that do have some stands and need linear footage allocations. MC to provide approximate linear footage for all leisure material to HCM.
	• HCM indicated that our approach is to reinvigorate the building by creating collaborative zones on multiple levels. We want to design an inclusive space for all users to meet the main goal of the library – accessing and disseminating information.
			HCM / MC

4	HCM showed adjacencies for different programs by level and overall proposed program. There were revisions to a previous version based on the faculty feedback we received. HCM will share this revised spreadsheet with MC for additional comments and feedback.
	Discussion:
	1. HCM asked MC if 10 group study rooms is enough given the open and private study spaces: MC indicates that 10 is probably enough if space allows, but wants to allow for other MC populations (beyond students) to use this space (part time faculty meeting space) since the library is open the most hours.
	  a. MC indicated that we should label the space something other than "group study". Technology in these rooms should support the "sharing" ideology, such as using a digital room scheduling hardware/software.
	  b. In regards to technology, HCM will engage our consultants and MC to develop a technology/AV/IT package and technology needs that suit MC's goals.
	2. MC indicated that dedicated space for remote learning is needed. MC will discuss the number of private study rooms indicated internally and confirm the quantity needed.
	  a. MC facilities indicated that the entire college's remote learning space issues do not need to be solved with this one project.
			HCM / MC

	3. Media Room: The requirements are not as involved as Juniata but MC does need more than just the portable one button studio they have now (used for creating audio/visual recordings). Further conversation is needed with the college to determine what dedicated space is needed (portability vs fixed, acoustic and lighting concerns). 4. Offices: a. Ideally, research and teaching librarians would have a similar format amongst campuses. Rockville has more librarians than Takoma Park. They need a minimum of 5 private offices with potential for interns or swing staff that help with a shared meeting space; ideally these rooms are not far from the classrooms. 5. Suites: HCM questions enclave/shared space a. MC indicated a teaching and research librarians' enclave (above) due to the need for private conversations. b. Collections also needs private space. c. Access services – supervisors need private space, but the University is trending towards less overall office space. d. MC Facilities indicated current college standards: a manager position and above gets an office, while anything below that gets a workstation. Shared office space is more common post pandemic than dedicated space due to telework. A combination of dedicated, shared, and hoteling spaces should be in the mix. e. HCM can share different versions of these types of spaces as we move forward for review to determine final program counts. f. HCM requested the following information from Suzette/MC: a list of all staff with potential growth to understand all the departments and how they could fit within enclaves. 6. Meditation room/prayer room: there will be more on campus, so doesn't need to necessarily be in the library. This square footage could be dedicated to other program requirements and may be better served for neurodivergent population. a. MC and HCM to discuss neurodivergent space needs with DSS. 7. Restrooms: HCM indicated that the current strategy is to put all gender restrooms on first floor and gendered restrooms on upper floors. a. MC Facilities indicated that the DSS office is in support of an all-gender restroom for this project; HCM to confirm from a fixture and code standpoint that this is possible. 8. Open area could be a more intimate "reading room", which would be a silent and celebratory space. HCM has found this is a frequent request from students, with shared table space.		

	a. MC does not have a special, “display” collection, but agrees that a quiet study area does make sense. 9. HCM plans to schedule faculty/staff stakeholder meetings to review different types of spaces when involved parties are back from the summer break. a. MC noted DSS is around year-round, so they are happy to engage at any time.		
5	HCM presented the 3 Overall Scheme ideas: 1. Keeping the building core as is but getting creative with the existing center and circulation around the building. 2. Opening up the core, creating light and transparency in the center area and making the core area a focal point to the project. 3. Mixture of both schemes 1 & 2, creating a small area of transparency/focal interest to brighten the central area, but keeping main elements of the existing core intact. • HCM explained that these diagrams are meant more as an abstract idea of circulation/layout and not literal interpretations of how the spaces will be. • MC expressed concerns that Scheme 2 will exceed the budget per sf, but that it may be nice to move mechanical due to current noise. • HCM will submit schemes for pricing to understand cost implications for all options like the skylights, open core, etc. • MC brought up Privacy vs Visibility concerns. • MC brought security and sight lines concerns for completely open schemes. • MC overall seemed to be in support of scheme 3 based on budget concerns, but HCM will submit multiple options for pricing, based on MC’s feedback.		HCM / JPA / A+F
	Next meeting is currently scheduled to be on **:**		
	Meeting ended at 2:45 pm.		

These meeting notes were prepared by Hord Coplan Macht, Inc for the purpose of recording the information covered during this meeting. Should anyone object to any statement or interpretation contained herein, please inform Hord Coplan Macht, Inc. within seven days or the meeting notes shall stand as written.
Issued by,
Hord Coplan Macht, Inc

MONTGOMERY COLLEGE
ROCKVILLE CAMPUS

MACKLIN LIBRARY RENOVATION

July 11th, 2024

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AGENDA

01 Introduction to Project
02 Design Process
03 Project Goals
04 Program Study, Analysis & Adjacencies
05 Concept Schemes
06 Next Steps

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01 Introduction

Learning Commons

YESTERDAY'S LEARNER

TODAY'S LEARNER

DEFINING – Learning Commons

- Flexible, Adaptable for the User
- Technology Everywhere
- Variety of Space Types – individual study, collaborative study, and research
- Learning-centered environment

"The building should be the physical embodiment of interdisciplinary education."

02 Design Process

OUR PROCESS - Framework for Discovery

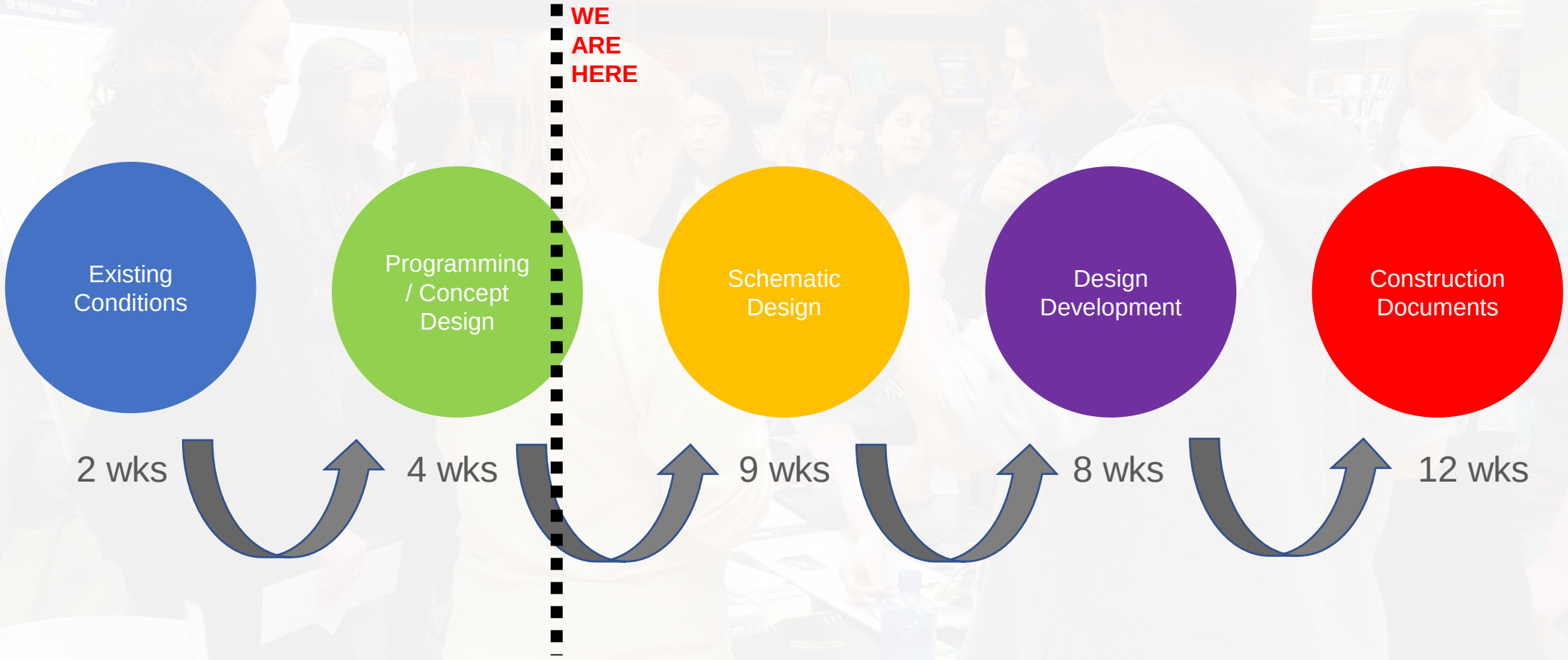
Discovery of Purpose – we strive to understand your vision, your values, and your campus.

Discovery of Experience – through active listening and an experiential discovery we explore the student experience and the spirit of your place.

Discovery of Effect – we measure the impact of our past work to bring you more value.

OUR WORK

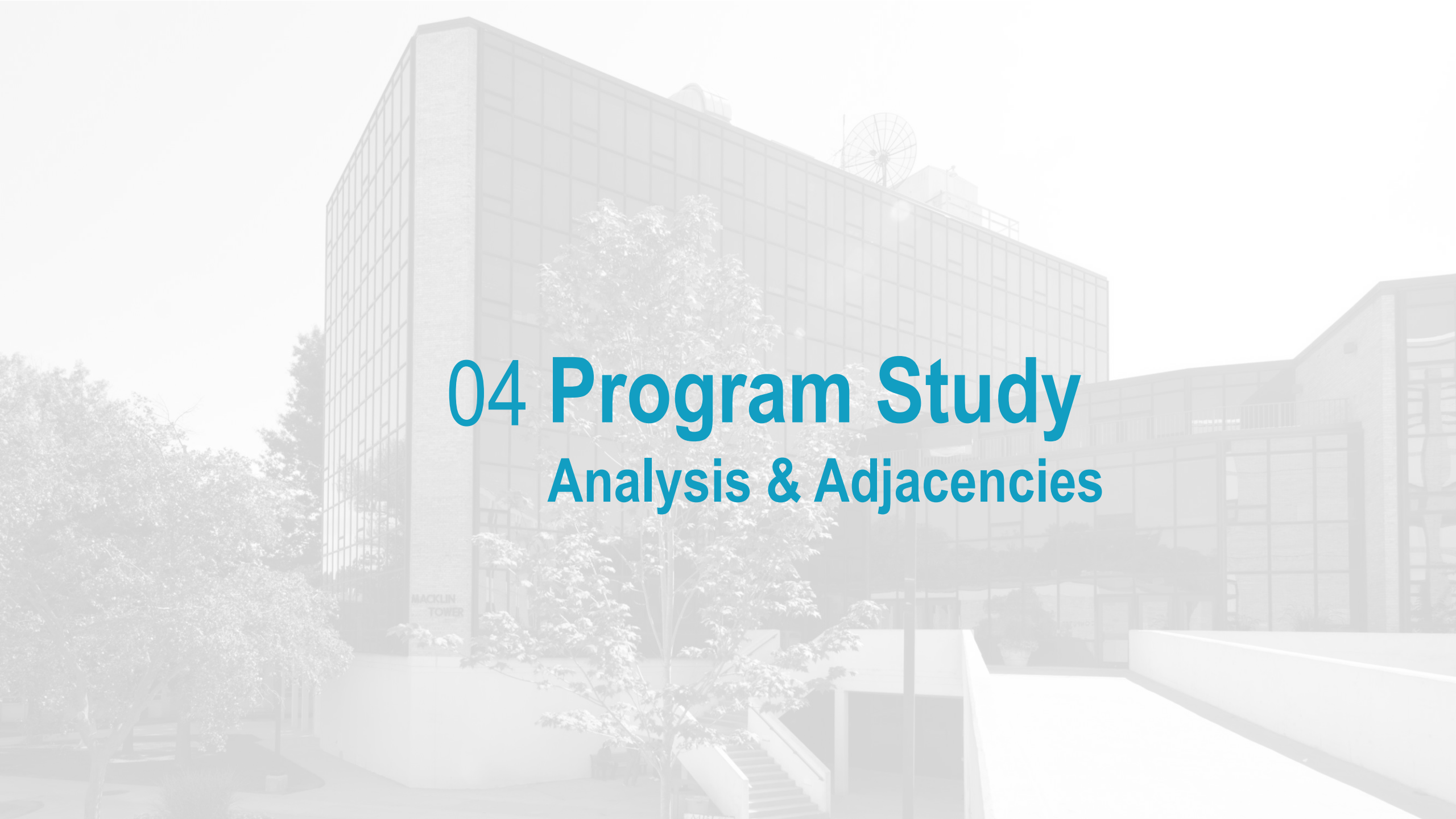
DESIGN SCHEDULE



03 Project Goals

GUIDING PRINCIPLES

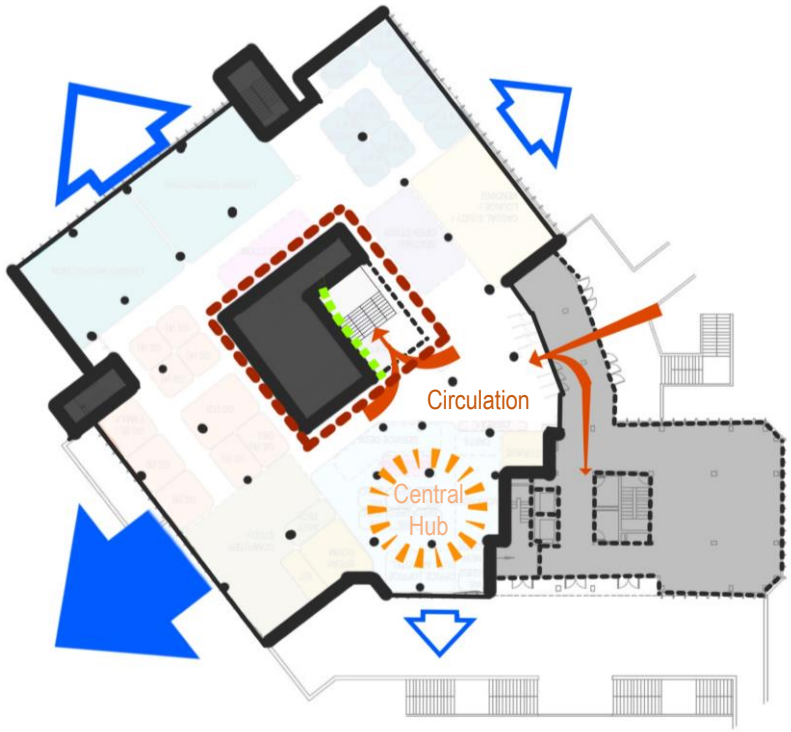
1. Welcoming and Inclusive building to a diverse population of users.
2. Develop attractive spaces for users who will end up seeing the library as a destination.
3. Creates an environment that enhances outcomes and wellbeing. A habitable safe building inside and out.
4. Fosters connections and collaborations that lead to a strong sense of identity and community.
5. Increase zones for privacy and focus while maintaining areas for gathering and learning.
6. Provides modern tools and technology to accommodate current and future needs.
7. Design that enhances growth, flexibility and adaptability for students, faculty and staff.
8. Upgrade internal infrastructure with systems integration for building efficiency and sustainability..
9. Minimize unforeseen events through being thorough, well detailed and thoughtfully coordinated design documents.
10. Brings both the local and global Montgomery College community together to convene for knowledge sharing and events.



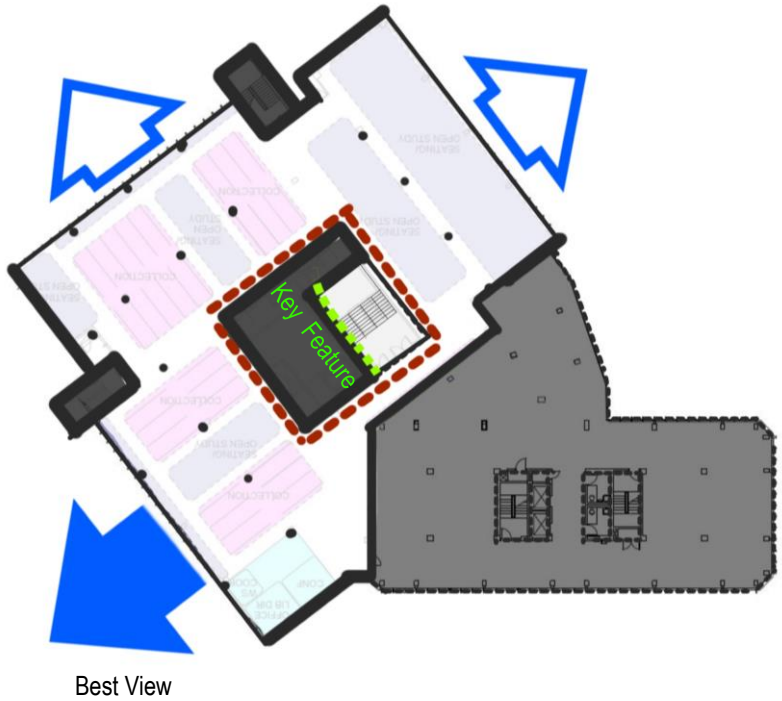
04 Program Study

Analysis & Adjacencies

SPATIAL CONTEXT



LEVEL 1



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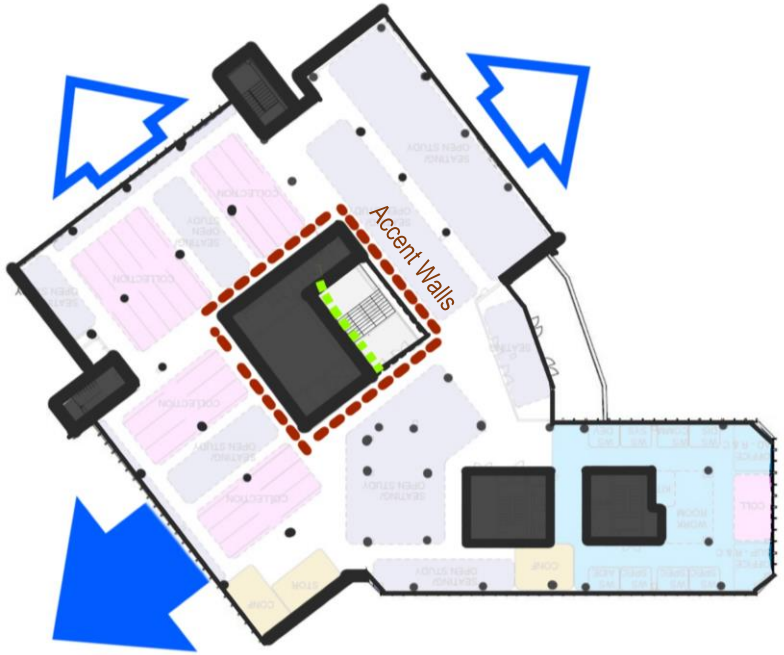


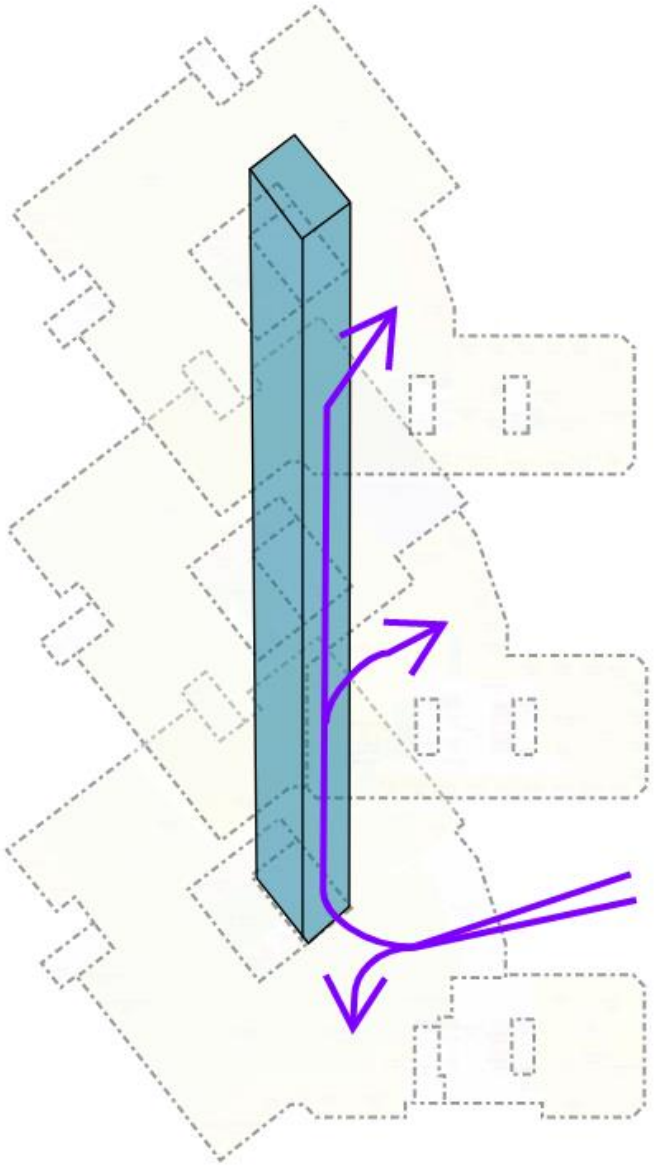
LEVEL 3

ORGANIZATION

Initial Program Counts:

- 12 Offices (120 sf)
- 16 Workstations (80 sf)
- 4 Hotel Stations (2 ppl – 80 sf)
- 2 Classrooms (37 ppl – 1,200 sf)
- 2 Conference Rooms (6 ppl – 200 sf, 10 ppl - 300sf)
- Group Study Spaces (varying in size and occupancy)
  - 10 (Program II Study) → Do we do 15-20?
- 1 Breakrooms (12 ppl – 250 sf)
- 2 Kitchenettes (75 sf)
- 2 Workrooms (600 sf)
- Technology Spaces (1,500 sf)
  - Video Editing? Podcast? Maker Space?
- 4 Storage (80 - 150 sf)
- Lounge/ Vending (1000 sf)
- Collections – (+/- 7,000 sf)
  - Casual Seating? Fiction?
- Open Study – (+/- 8,500 sf)
- Private Study – (+/- 2,500 sf)
  - Zoom Rooms (1 Person) - TBD
  - Distance Learning (1 Person) - TBD
- Reading Room (+/- 1,500 sf)

TOTAL = +/- 54,000 sf



LEVEL 3

SILENT STUDY & STACKS

LEVEL 2

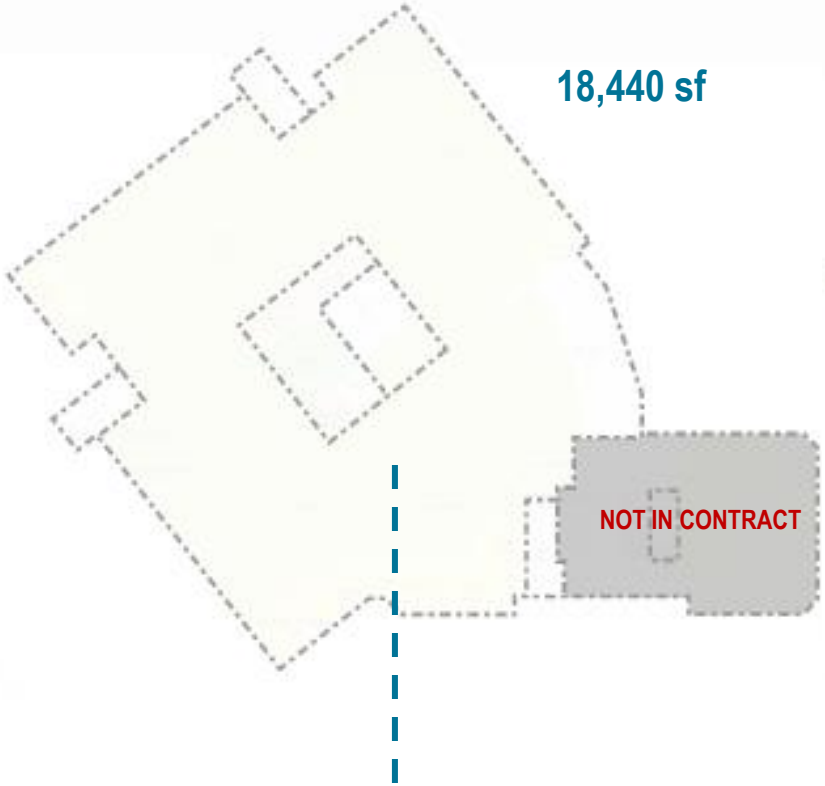
QUIET STUDY & STACKS

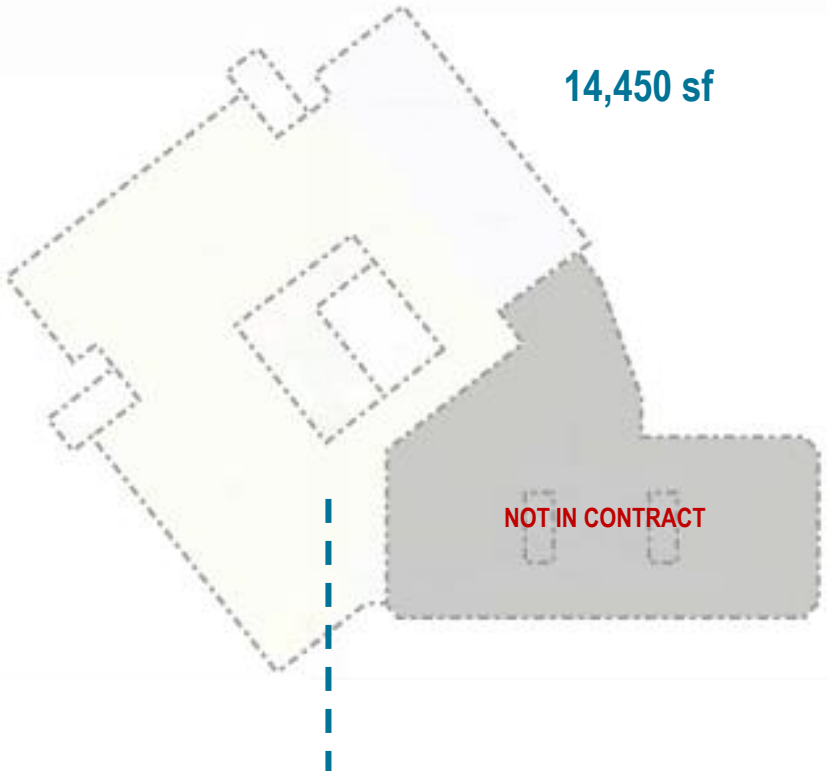
LEVEL 1

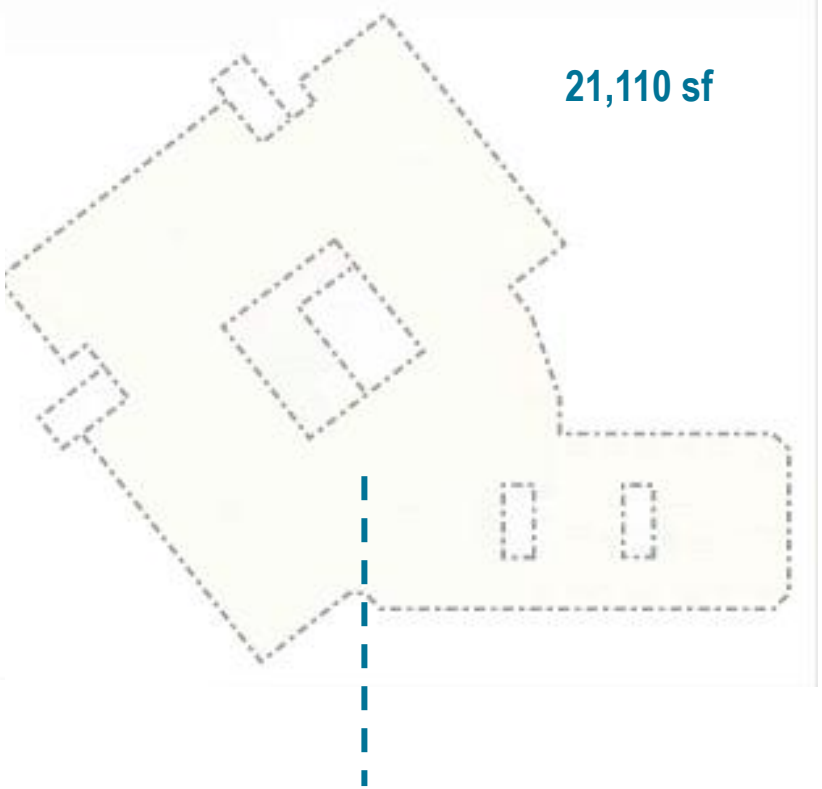
COLLABORATION

ADJACENCIES

TOTAL = +/- 54,000 sf







LEVEL 1 – Research / Teaching / Access Services, Support Staff Technology Labs & Group Study

LEVEL 2 – Individual & Private Study , Flex Rooms & Collections

LEVEL 3 – Library Directors, Support Staff, Conference Rooms, Individual & Private Study, Collections

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Montgomery College - Rockville Campus
Macklin Tower Library Renovation
06.07.2024
Updates:
07.11.2024

PROPOSED PROGRAM

Program Area	NSF/ Space	Qty. of Spaces	Total NSF	Mult.	NASF	NSF Variance Existing/ Proposed	# Staff/ Students/ Area	Notes
Education Spaces								
Classroom #1	1,200	1	1,200	1.0	1,200	1200	37	36 Students (Flexibile) + 1 Instructor. Moved to LVL 1
Classroom #2	1,200	1	1,200	1.0	1,200	1200	37	36 Students (Flexibile) + 1 Instructor. Moved to LVL 1
Classroom #3???	**350**	**1**	**350**	**1.0**	**350**	**350**	**15**	***Flex Use Room? (Remote Learning / Conference / Event)***
Education Total	**2,750**		**2,750**		**2,750**	**2,750**		
Study & Lab Spaces								
Group Study Room #1	175	1	175	1.0	175	175	8	Shared Family Suite
Group Study Room #2	140	1	140	1.0	140	140	6	Medium
Group Study Room #3	175	1	175	1.0	175	175	8	Medium
Group Study Room #4	175	1	175	1.0	175	175	8	Medium
Group Study Room #5	250	1	250	1.0	250	250	12	Large
Group Study Room #6-10	100	4	400	1.0	400	400	4	***Small. Confirm Quantity***
Open Study - Lvl 1	650	1	650	1.0	650	650		Integrate w/ Collections & Shelving via flex furniture
Open Study - Lvl 2	4,000	1	4,000	1.0	4,000	4,000		Integrate w/ Collections & Shelving via flex furniture
Open Study - Lvl 3	4,000	1	4,000	1.0	4,000	4,000		Integrate w/ Collections & Shelving via flex furniture
Technology & Labs								
Computer Study	1,200	1	1,200	1.0	1,200	1,200	60	Level 1 - Located near Technology Suite
Assistive Technology	75	1	75	1.0	75	75	2	Level 1 - Connected to Computer Study Area
Private Study / Single Zoom Rooms	**80**	**30**	**2,400**	**1.0**	**2,400**	**2,400**	**1**	***Confirm Quantity, size & requirements***
Media Room / One Button Studio	**200**	**1**	**200**	**1.0**	**200**	**200**	**6**	***Remove or relocate? Feedback was to remove.***
Study Total	**11,220**		**13,840**		**13,840**	**13,840**		
Office & Conference								
Offices								
Private Office (Unassigned)	120	12	1,440	1.0	1,440	1,440	3	***Confirm Quantity***
Workstations (Unassigned)	80	16	1,280	1.0	1,280	1,280	1	***Confirm Quantity***
Hotel Stations (Unassigned)	80	2	160	1.0	160	160	2	***Confirm Quantity***
Subtotal Offices	**280**	**30**	**2,880**		**2,880**	**2,880**		
Conference Rooms								
Conference Room - Small	200	1	200	1.0	200	200	6	Part of Resource & Collections Area
Conference Room - Medium	300	1	300	1.0	300	300	10	Shared space w/ Library.
Subtotal Conference Rooms	**500**	**2**	**500**		**500**	**500**		
Office Total	**780**		**3,380**		**3,380**	**3,380**		

COMMENTS:

Research & Collections								
Stacks								
Collections - Lvl 1	500	1	500	1.3	650	500	0	*Confirm Collection Volumn & LF requirements*
Collections - Lvl 2	3,250	1	3,250	1.3	4,225	3250	0	*Confirm Collection Volumn & LF requirements*
Collections - Lvl 3	3,250	1	3,250	1.3	4,225	3250	0	*Confirm Collection Volumn & LF requirements*
Research Total	**7,000**		**7,000**		**9,100**	**7000**		

Processing & Service								
Access Services Suite								
Display	100	1	100	1.0	100	100		Display behind service desks
Service Desk	400	1	400	1.3	520	400	4	Reduced footprint w/ on-the-fly research consult capabilities
Collections	150	1	150	1.3	195	150		Collections incorproated into design of service desk area.
Cart Storage	100	1	100	1.3	130	100		Level 1 incorporated w/ Service desk
Services Total	**750**		**750**		**945**	**750**		

Support Spaces & Common Areas								
Lounge	800	1	800	1.0	800	800	40	Level 1 - Public Lounge
Vending	100	1	100	1.0	100	100		Level 1 - Lobby
Break Room / Kitchenette	400	1	400	1.3	520	400	8	(1 break room @ 250 sf) (2 Kithcnettes @ 75 sf each)
Utility Rooms (Jan & AV)	80	3	240	1.0	240	240		Stacked per floor
Restrooms - General	300	4	1,200	1.0	1,200	1200		(1 Mens & 1 Womens - Lvl 2 & Lvl 3) - sf TBD per occupancy
Restrooms - All Gender	600	1	600	1.0	600	600		(Lvl 1) - sf TBD per Occupancy Calculations
General Storage	100	3	300	1.0	300	300		1 room stacked per floor
Workrooms	300	2	600	1.3	780	600	6	(1 @ Access Services, 2 @ Research & Collections)
MDF Room	200	1	200	1.0	200	200		Location TBD
IDF Room	120	2	240	1.0	240	240		1 room stacked per floor (Lvl 2 & Lvl 3)
Meditation Room	**150**	**1**	**150**	**1.0**	**150**	**150**		***Any special requirements?***
Support Total	**3,150**		**4,830**		**5,130**	**4830**		

Summary of Departments	Total NSF	NASF		Notes
Education Spaces	2,750	2,750		
Study Spaces	13,840	13,840		
Office | Conference	3,380	3,380		
Research | Collections	7,000	9,100		
Processing | Services	750	945		
Support Space | Common Areas	4,830	5,130		
Total Net Assignable Square Feet	**32,550**	**35,145**		
Available Square Feet from 65% Grossing Factor		**18,924**		

TOTAL GROSS SQ FT - 65% Efficiency * **54,069**

*note: adjust efficiency factor as needed for project type

Interior Renovation Const cost/SF (MAX)

$300 $16,220,769

Estimate cost/SF (2020 Programming)

$212 $11,462,677

Similar Existing Buildings between 62%-68%

SF varies slightly under program study based on refined limits of renovation

COMMENTS:

QUESTIONS

1) Do we need a 3rd Flex Classroom, Media Studio or Meditation Room? _____ _____ _____

2) Need quantity confirmations on the following areas:

Group Study_____ Private Study_____Offices_____Workstations_____Hotelling_____

3) What does MC envision these private / single study zoom rooms to be?

(Flex office space for Faculty Staff / Donor Rooms / Scheduling potential)

4) Clarification on collections sizing and design capacity?

5) All Gender Restrooms on LVL 1 & Mens/Womens on LVL 2 & 3. Did we want to explore All Gender on LVL 1 & 3?

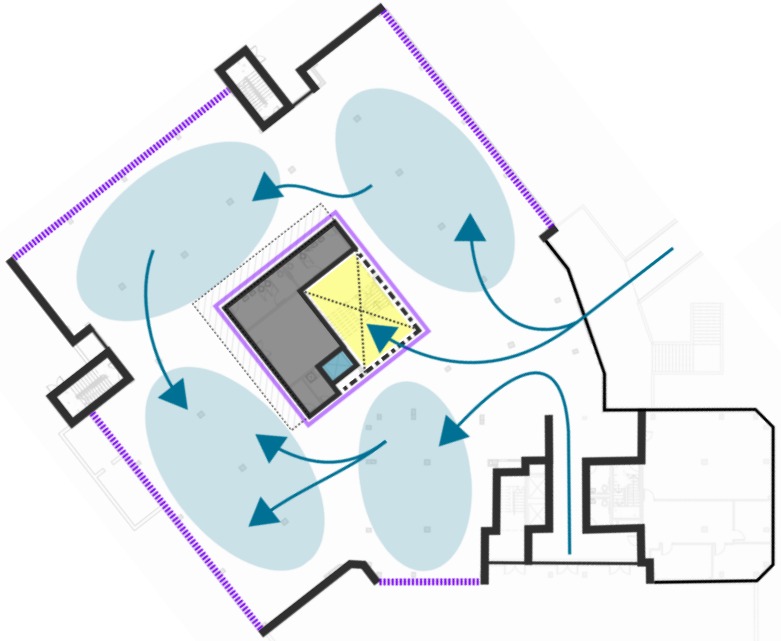
HCM to perform preliminary plumbing counts for discussion.

6) Need requirements and input from DSS for neurodivergent learners.

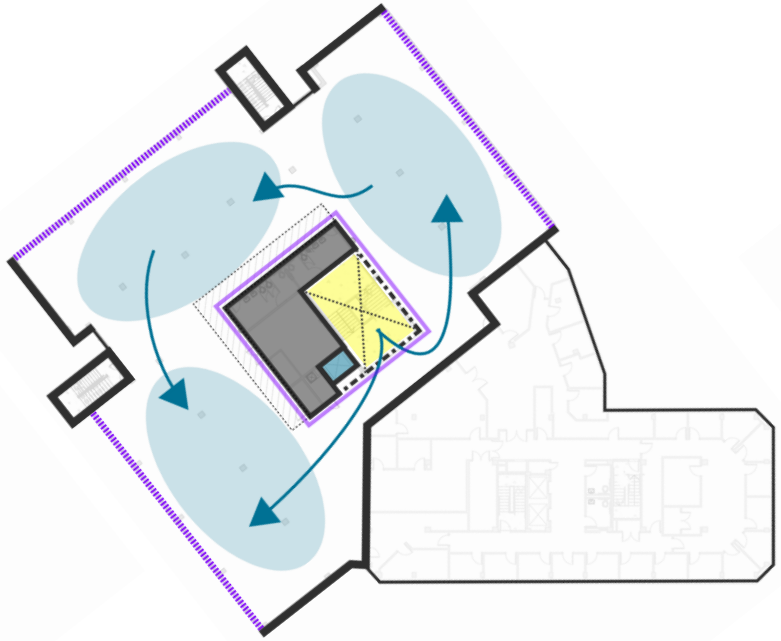
7) Feedback on program adjacencies so we can begin bubble diagrams.

05 Concept Schemes

SCHEME 1



LEVEL 1



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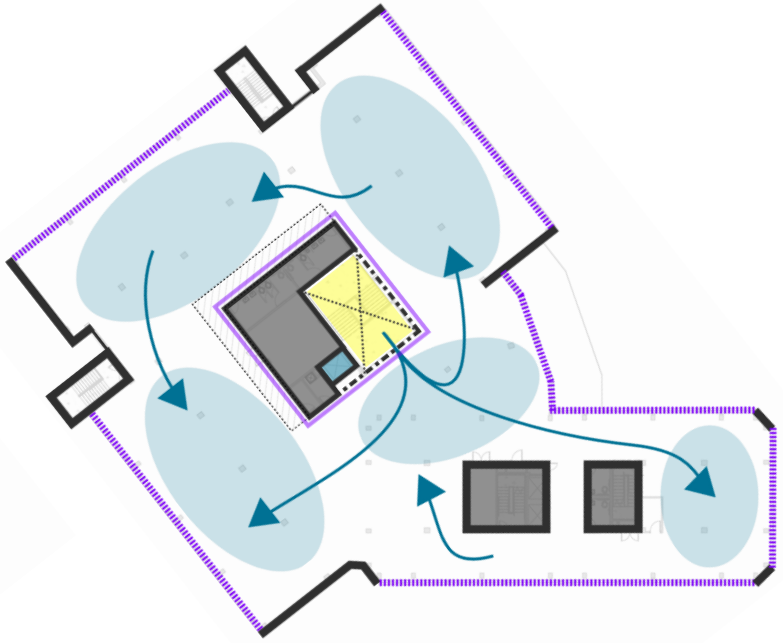

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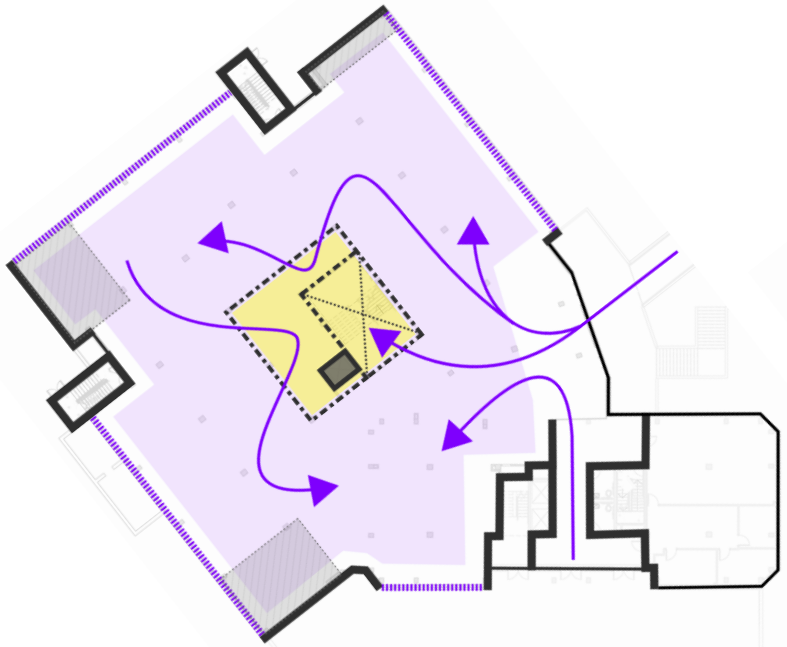
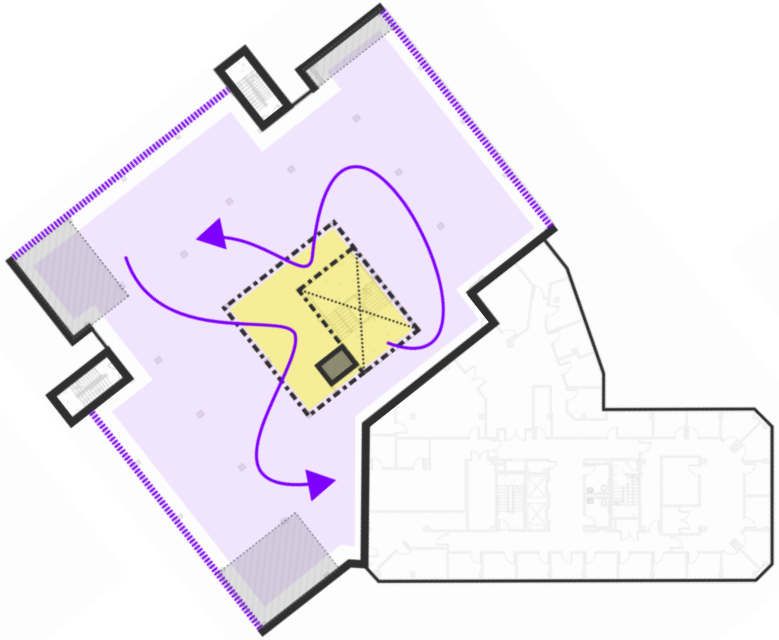
SCHEME 2



LEVEL 1



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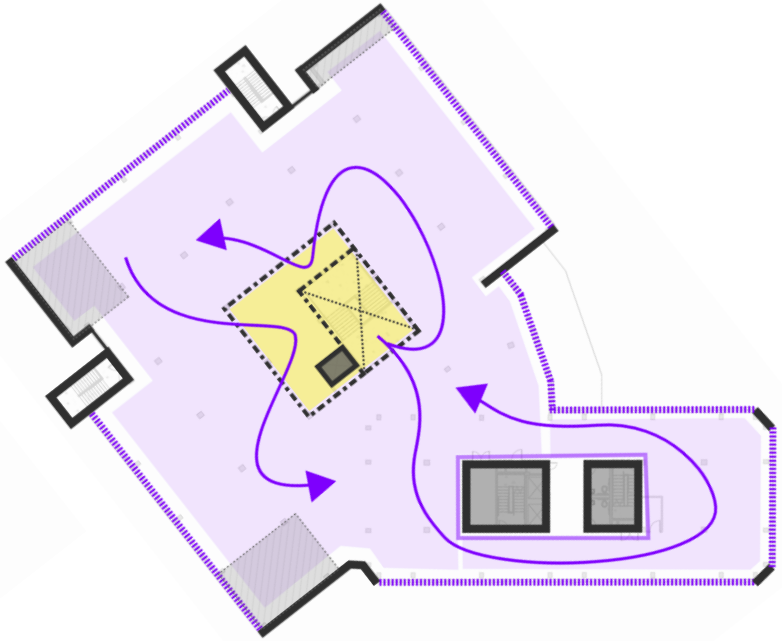
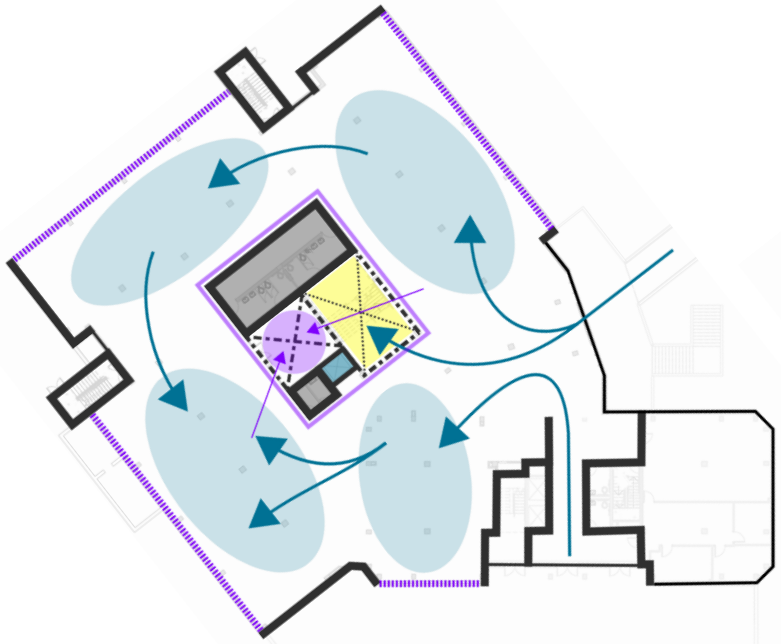


LEVEL 3

SCHEME 3



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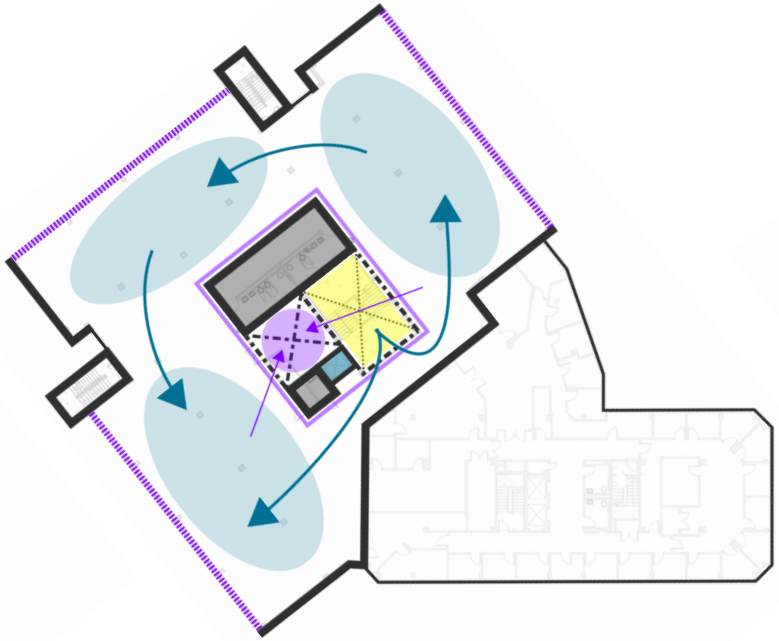

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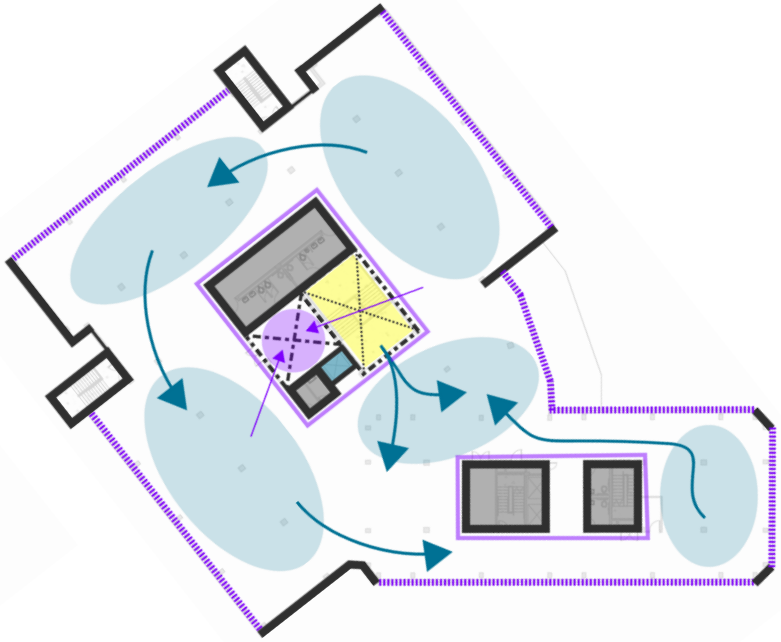

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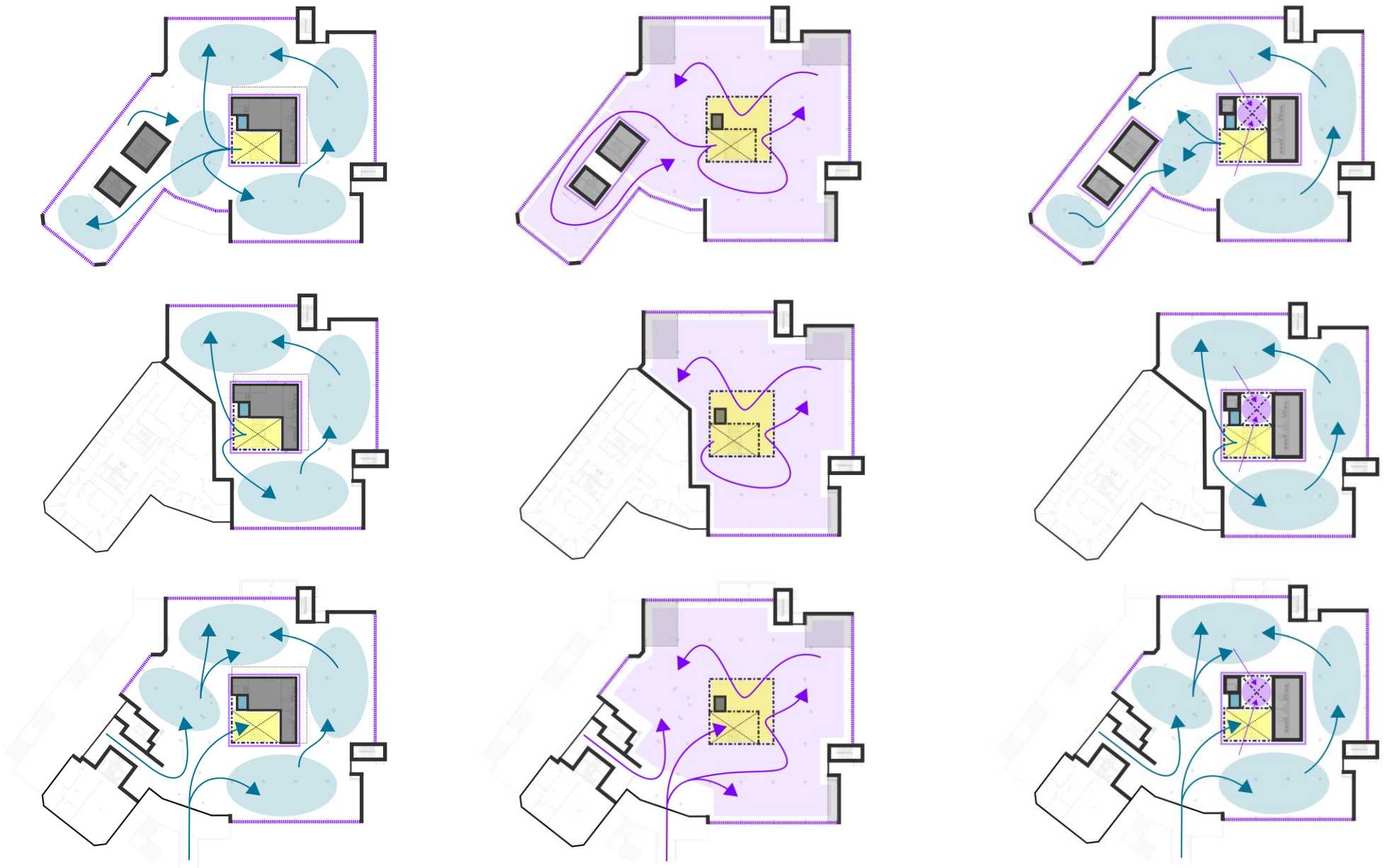


SCHEME 1

SCHEME 2

SCHEME 3

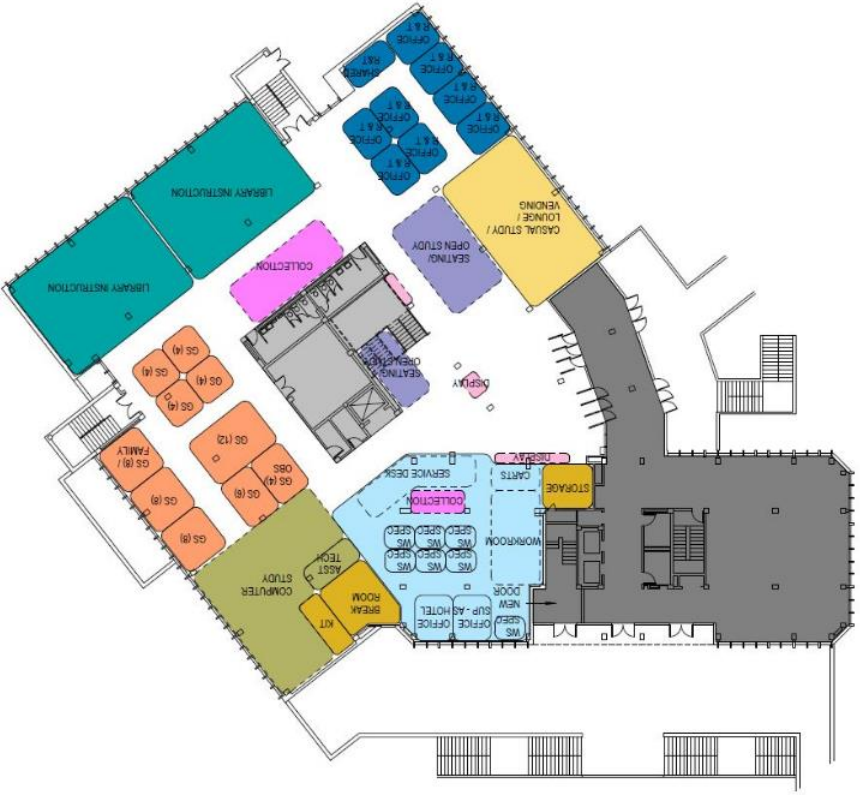
06 Next Steps

Action Items:

- HCM to share website for Faculty/Student/Stakeholder Engagement exercises for Email blast.
- MC to provide campus ADA report, exterior envelope assessment & recommendations on Asbestos remediation for spec integration (Kickoff Mtg minutes).
- MC to confirm commissioning agent status for eventual meeting coordination.
- WELL Building Certification & LEED Certification follow up discussion.

THANK YOU!

2020 PROGRAM



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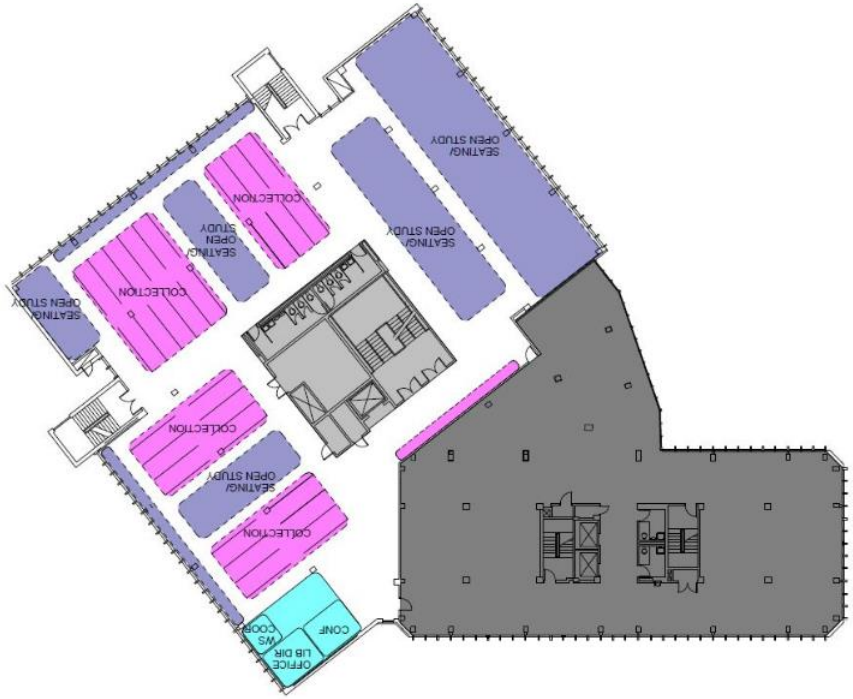

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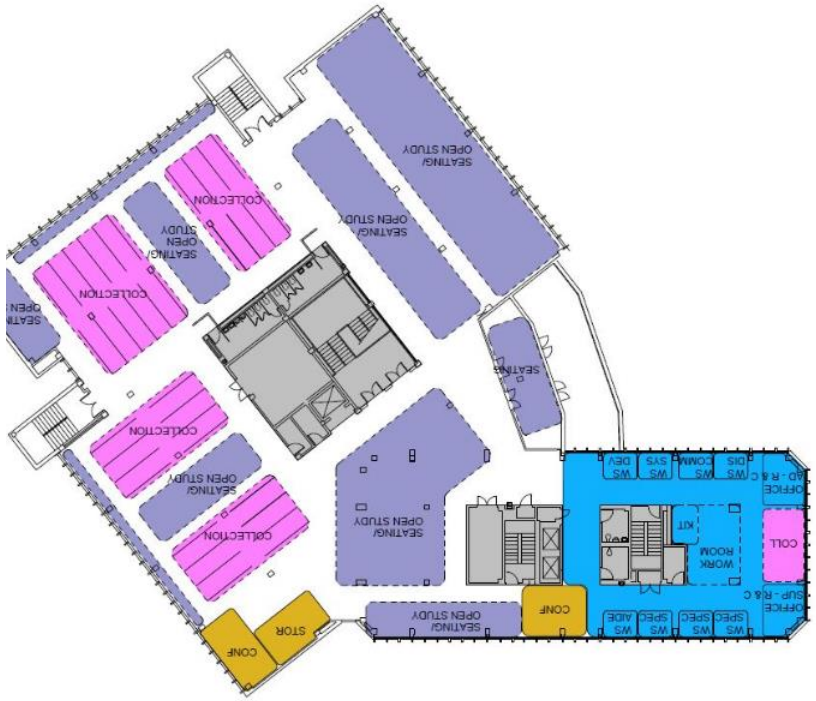

LEVEL 3

MEETING RECORD

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Date:	08-06-2024
Project:	MC Library Renovation
HCM Project No	224112.00
Prepared by:	M. Ferraro /F. Torres

DISTRIBUTION LIST

Attendees	Name	Organization	
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	A. Gomez Fortuna	MC	Antonio.GomezFortuna@montgomerycollege.edu
	E. Yazdanshenas	MC	Essi.Yazdanshenas@montgomerycollege.edu
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	D. Teklu	A+F	dteklu@af-engineers.com
x	J. Mossman	CTDG	jmossman@ctdginc.com
	B. Whitlock	CTDG	bwhitlock@ctdginc.com

No.	Item		Action By
1	Agenda: 1. Guiding Principles 2. Program Study 3. Concept Scheme & Test Fit 4. Technology & AV 5. Schedule & Next Steps		-
2	MC is consulting with Gale Associates for exterior envelope assessment. Results to be shared when complete. Design team to follow R-30 value for roof replacement.		MC

3	Prior to HCM's presentation, there was a short discussion regarding hours of operation to help inform building analysis. S. Spencer provided hours of operation via website link for Rockville campus. Hours of Operation are: 8:30 – 10pm (M-Thurs), 8:30-5pm (Fri-Sat), Closed (Sunday). Cleaning crew usually completes work by 5am.		-
4	MC inquired w/ Library Staff on whether there needs to be a Library user stakeholder group. S. Spencer confirmed there didn't need to be.		-
5	Regarding future stakeholder meetings, MC confirmed separate calls to take place with DSS & Classroom Technologies. September meetings at Macklin Library will focus on Students, Faculty & Staff. HCM/MC to coordinate dates and times.		MC/HCM
6	HCM begins presentation emphasizing core benchmarks of design strategy through reiteration of guiding principles.		-
7	Comments from Level 1: • Vending Machine ok w/ access off concourse. Could strengthen activation of exterior patio space. • MDF/IDF rooms needs to be accessible off main corridor to not disrupt suite operations. • HCM to confirm counts for all gender restroom. Assess Services Suite needs revisions. MC prefers staff not to be broken up for sake of proximity. Priority is to maintain collaboration. HCM will revise test fit accordingly. • Computer Study's purpose is for students to come in and do research for their homework. Should be kept on Level 1.		HCM
8	Comments from Level 2: • Additional service desks not needed. MC wants a single location on Level 1. • Directors' suite can be relocated to a different floor and without workstations. HCM will update test fit.		HCM
9	Comments from Level 3: • R&C needs archive storage room, located on Level 3 that's within a suite cluster for privacy and security. • Additional space needed for special collections that's secured within R&C suite. More storage focused and near a conference room. • HCM will update test fit with new suite clusters that are identified for next presentation (standard for all levels)		HCM
10	Presentation wraps up with brief overview of IT/AV strategy. Included sheets are typical of various room conditions for reference. Design team will continue to hold the 2020 program technology (via space data sheets) as the BOD. Will need follow up meetings with Classroom Technologies & MC IT/AV teams for further review.		MC/HCM
11	Schedule update: halfway through SD and will have our final phase meeting on 08/22. Pricing set will go out at the end of the month.		-
12	Stakeholder Exercises will take place during the start of term. MC proposed a series of dates. HCM will confirm the two days that work best and notify MC. (UPDATE: These have been selected as 09/11 & 09/12)		HCM
	Next meeting is currently scheduled to be on**: August 22, 2024**		
	Meeting ended at 2:08 pm.		

These meeting notes were prepared by Hord Coplan Macht, Inc for the purpose of recording the information covered during this meeting. Should anyone object to any statement or interpretation contained herein, please inform Hord Coplan Macht, Inc. within seven days or the meeting notes shall stand as written.
Issued by, Hord Coplan Macht, Inc.

MONTGOMERY COLLEGE
ROCKVILLE CAMPUS

MACKLIN LIBRARY RENOVATION

August 6th, 2024

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AGENDA

01 Guiding Principles
02 Program Study
03 Concept Scheme + Test Fit
04 Technology & AV
05 Schedule & Next Steps

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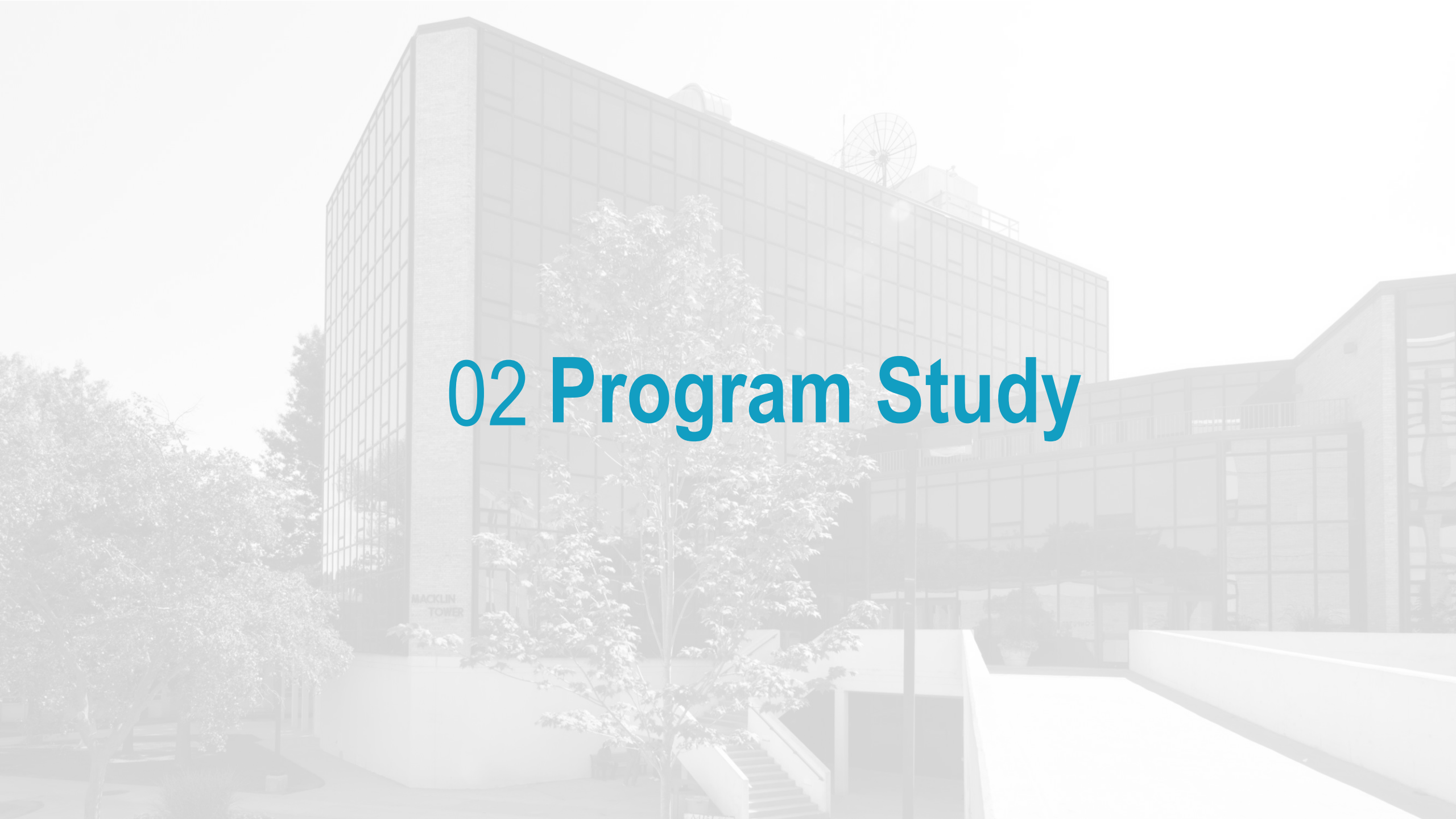
01 Guiding Principles

GUIDING PRINCIPLES

1. Welcoming and Inclusive building to a diverse population of users.
2. Develop attractive spaces for users who will end up seeing the library as a destination.
3. Creates an environment that enhances outcomes and wellbeing. A habitable safe building inside and out.
4. Fosters connections and collaborations that lead to a strong sense of identity and community.
5. Increase zones for privacy and focus while maintaining areas for gathering and learning.
6. Provides modern tools and technology to accommodate current and future needs.
7. Design that enhances growth, flexibility and adaptability for students, faculty and staff.
8. Upgrade internal infrastructure with systems integration for building efficiency and sustainability..
9. Minimize unforeseen events through being thorough, well detailed and thoughtfully coordinated design documents.
10. Brings both the local and global Montgomery College community together to convene for knowledge sharing and events.



02 Program Study

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Montgomery College - Rockville Campus
Macklin Tower Library Renovation
06.07.2024
Updates:
07.17.2024

Program Area	PROPOSED PROGRAM NSF/ Space	Qty. of Spaces	Total NSF	Mult.	NASF	NSF Variance Existing/ Proposed	# Staff/ Students/ Area	Notes
Education Spaces								
Classroom #1	1,200	1	1,200	1.0	1,200	1200	37	36 Students (Flexibile) + 1 Instructor. Moved to LVL 1
Classroom #2	1,200	1	1,200	1.0	1,200	1200	37	36 Students (Flexibile) + 1 Instructor. Moved to LVL 1
Classroom #3???	350	1	350	1.0	350	350	15	*Flex Use Room? (Remote Learning / Conference / Event)*
Education Total	**2,750**		**2,750**		**2,750**	**2,750**		
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Group Study Room #5	250	1	250	1.0	250	250	12	Large
Group Study Room #6-10	100	4	400	1.0	400	400	4	Small
Open Study - Lvl 1	650	1	650	1.0	650	650		Integrate w/ Collections & Shelving via flex furniture
Open Study - Lvl 2	4,000	1	4,000	1.0	4,000	4,000		Integrate w/ Collections & Shelving via flex furniture
Open Study - Lvl 3	4,000	1	4,000	1.0	4,000	4,000		Integrate w/ Collections & Shelving via flex furniture
Technology & Labs								
Computer Study	1,200	1	1,200	1.0	1,200	1,200	60	Level 1 - Located near Technology Suite
Assistive Technology	75	1	75	1.0	75	75	2	Level 1 - Connected to Computer Study Area
Private Study / Single Zoom Rooms	80	30	2,400	1.0	2,400	2,400	1	***Final Quantity TBD - Placeholder for now***
Media Room	100	1	100	1.0	100	100	4	*School will need dedicated space. Equipment TBD*
Study Total	**11,120**		**13,740**		**13,740**	**13,740**		
Office & Conference								
Offices								
Private Office (Unassigned)	120	12	1,440	1.0	1,440	1,440	3	***Final Quantity TBD - Placeholder for now***
Workstations (Unassigned)	80	16	1,280	1.0	1,280	1,280	1	***Final Quantity TBD - Placeholder for now***
Hotel Stations (Unassigned)	80	2	160	1.0	160	160	2	***Final Quantity TBD - Placeholder for now***
Subtotal Offices	**280**	**30**	**2,880**		**2,880**	**2,880**		
Conference Rooms								
Conference Room - Small	200	1	200	1.0	200	200	6	Part of Resource & Collections Area
Conference Room - Medium	300	1	300	1.0	300	300	10	Shared space w/ Library.
Subtotal Conference Rooms	**500**	**2**	**500**		**500**	**500**		
Office Total	**780**		**3,380**		**3,380**	**3,380**		

COMMENTS:

Research & Collections								
Stacks								
Collections - Lvl 1	500	1	500	1.3	650	500	0	*MC to Confirm Collection Volumn & LF requirements*
Collections - Lvl 2	3,250	1	3,250	1.3	4,225	3250	0	*MC to Confirm Collection Volumn & LF requirements*
Collections - Lvl 3	3,250	1	3,250	1.3	4,225	3250	0	*MC to Confirm Collection Volumn & LF requirements*
Research Total	**7,000**		**7,000**		**9,100**	**7000**		

Processing & Service								
Access Services Suite								
Display	100	1	100	1.0	100	100		Display behind service desks or Entry
Service Desk	400	1	400	1.3	520	400	4	Reduced footprint w/ on-the-fly research consult capabilities
Collections	150	1	150	1.3	195	150		Text book collections incorproated into service desk area.
Cart Storage	100	1	100	1.3	130	100		Adjacent w/ Service desk
Services Total	**750**		**750**		**945**	**750**		

Support Spaces & Common Areas								
Lounge	800	1	800	1.0	800	800	40	Level 1 - Public Lounge
Vending	100	1	100	1.0	100	100		Level 1 - Lobby
Break Room / Kitchenette	400	1	400	1.3	520	400	8	(1 break room @ 250 sf) (2 Kithcnettes @ 75 sf each)
Utility Rooms (Jan & AV)	80	3	240	1.0	240	240		Stacked per floor
Restrooms - Gendered	300	4	1,200	1.0	1,200	1200		(1 Mens & 1 Womens - Lvl 2 & Lvl 3) - sf TBD per occupancy
Restrooms - Gender Neutral	600	1	600	1.0	600	600		(Lvl 1) - sf TBD per Occupancy Calculations
General Storage	100	3	300	1.0	300	300		1 room stacked per floor
Workrooms	300	2	600	1.3	780	600	6	(1 @ Access Services, 2 @ Research & Collections)
MDF Room	200	1	200	1.0	200	200		Location TBD
IDF Room	120	2	240	1.0	240	240		1 room stacked per floor (Lvl 2 & Lvl 3)
Neurodivergent Space	200	1	200	1.0	200	200		*Confirm w/ DSS on special requirements*
Support Total	**3,200**		**4,880**		**5,180**	**4880**		

Summary of Departments	Total NSF	NASF	Notes
Education Spaces	2,750	2,750	
Study Spaces	13,740	13,740	
Office | Conference	3,380	3,380	
Research | Collections	7,000	9,100	
Processing | Services	750	945	
Support Space | Common Areas	4,880	5,180	

Total Net Assignable Square Feet	**32,500**	**35,095**
Available Square Feet from 65% Gros		**18,897**
TOTAL GROSS SQ FT - 65% Efficiency	*	**53,992**

*note: adjust efficiency factor as needed for project type

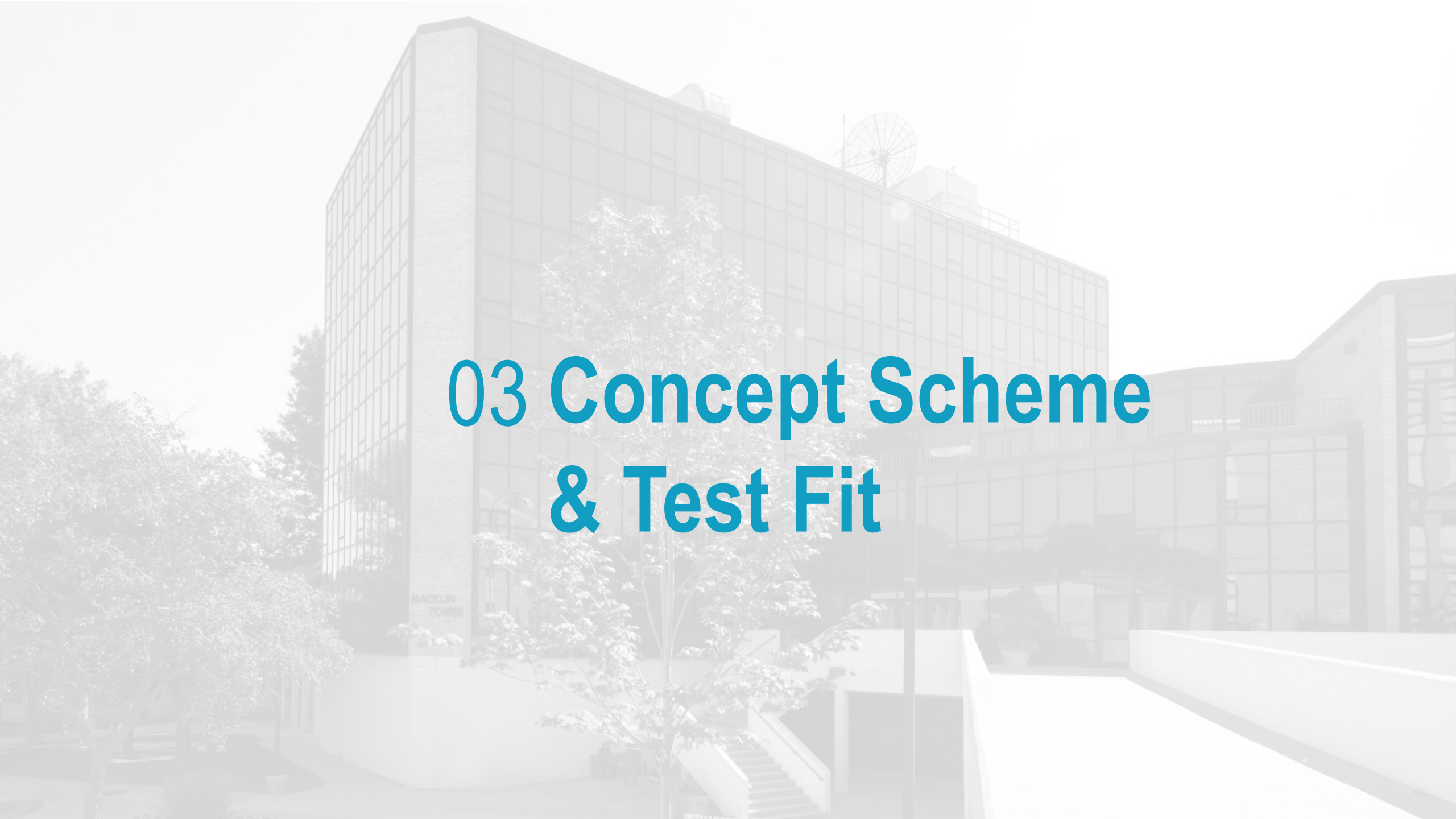
Interior Renovation Const cost/SF (MAX)

$300 $16,197,692

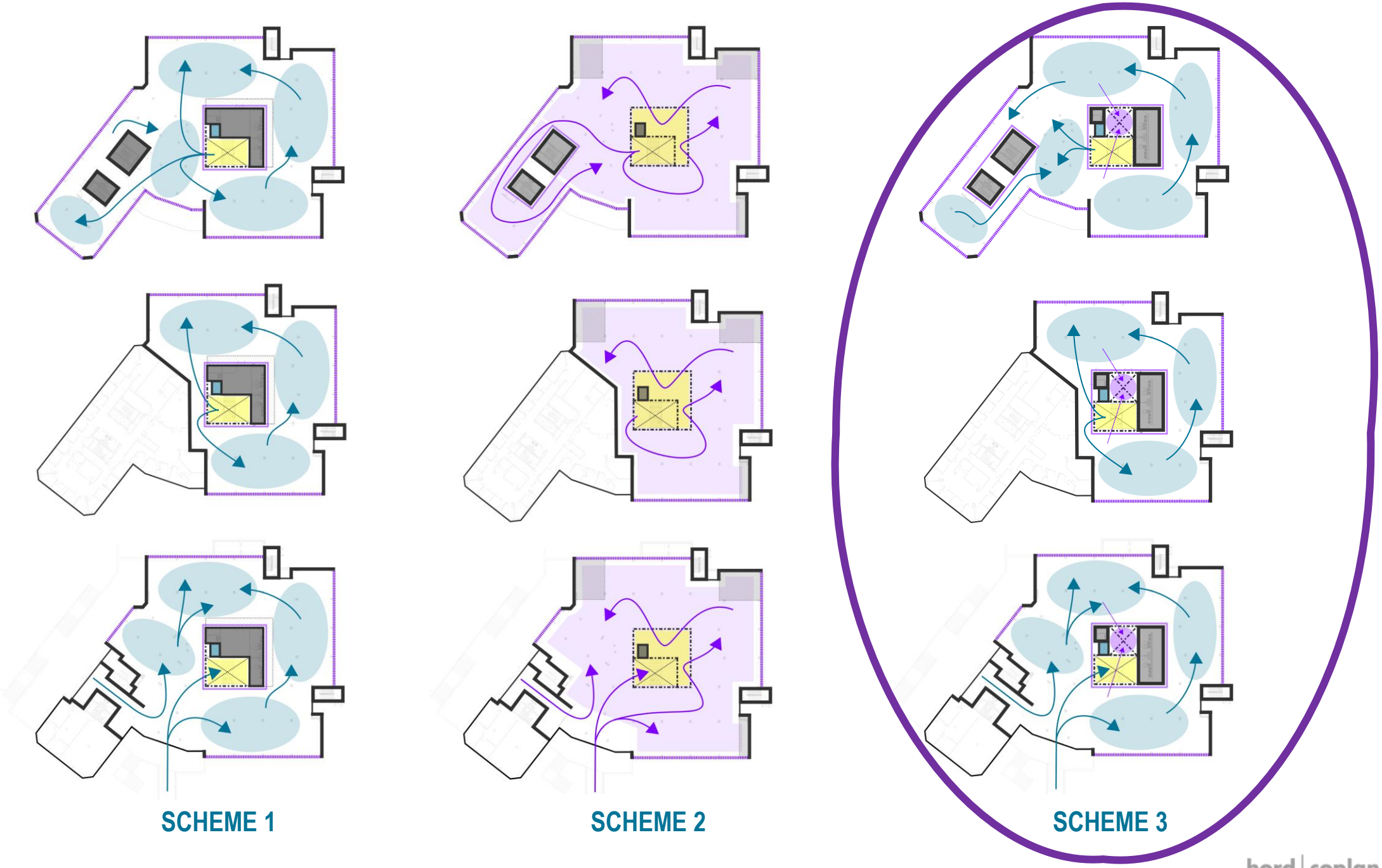
Estimate cost/SF (2020 Programming)

$212 $11,446,369

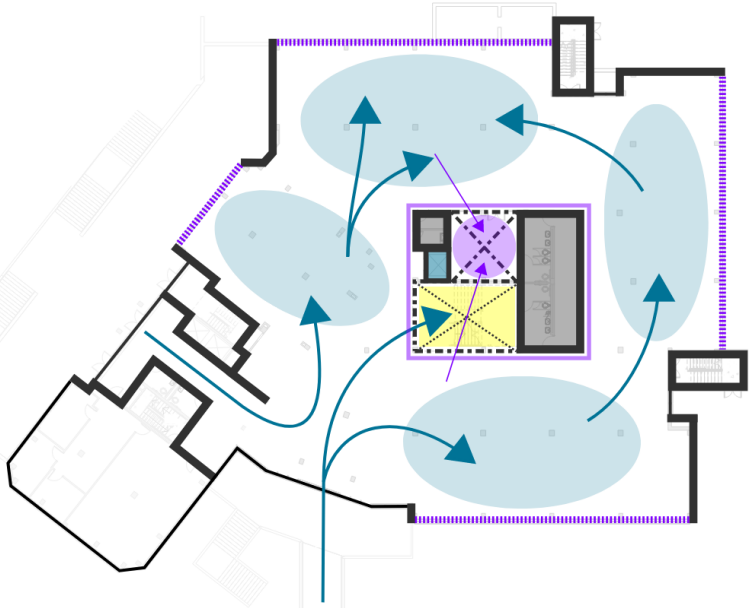
COMMENTS:

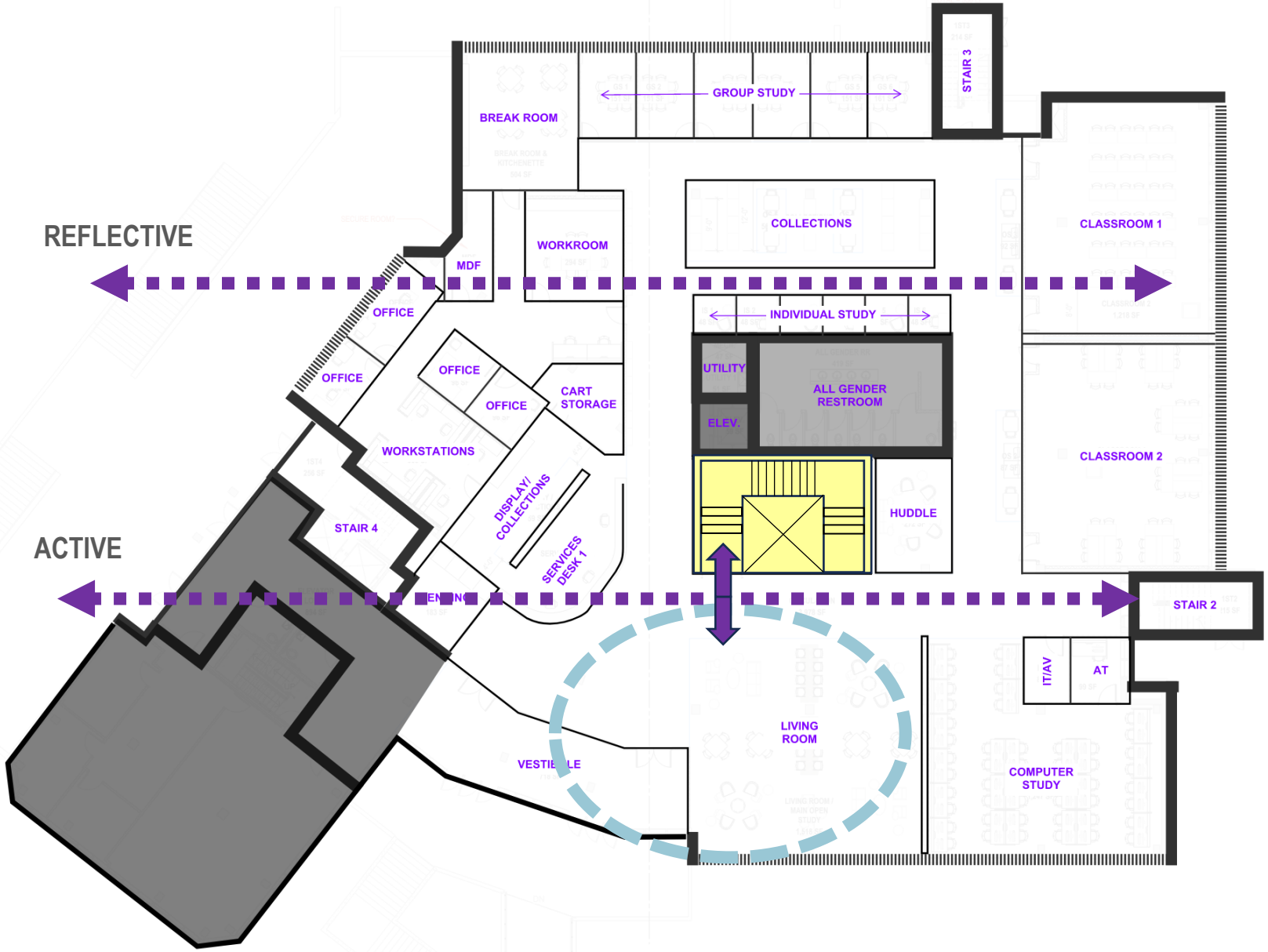


03 Concept Scheme & Test Fit


SCHEME 1
SCHEME 2
SCHEME 3

TEST FIT LEVEL 1





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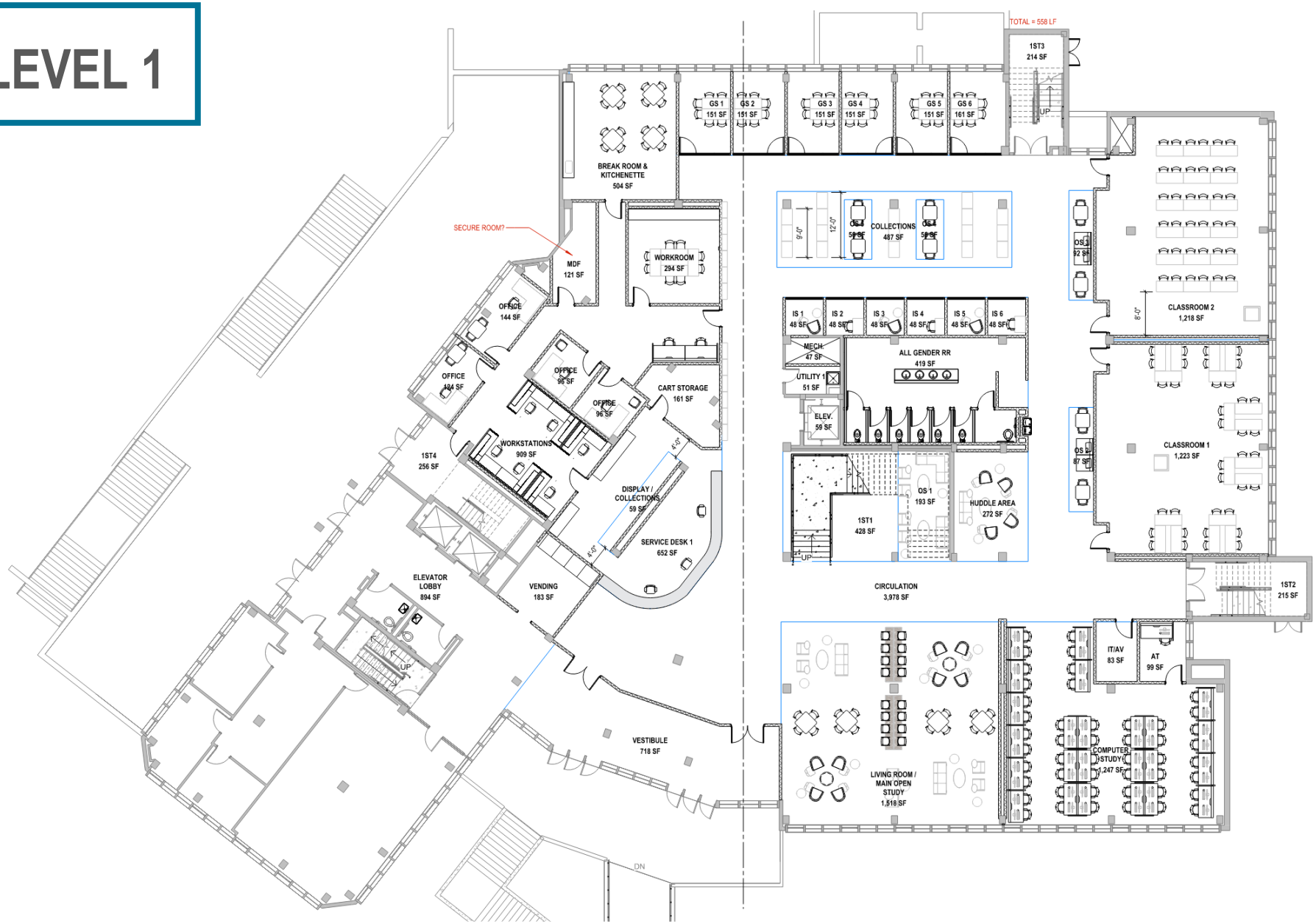

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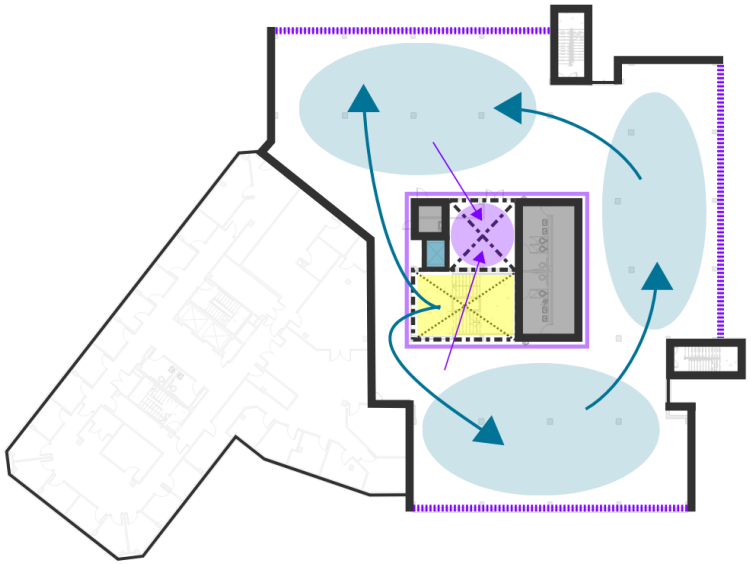
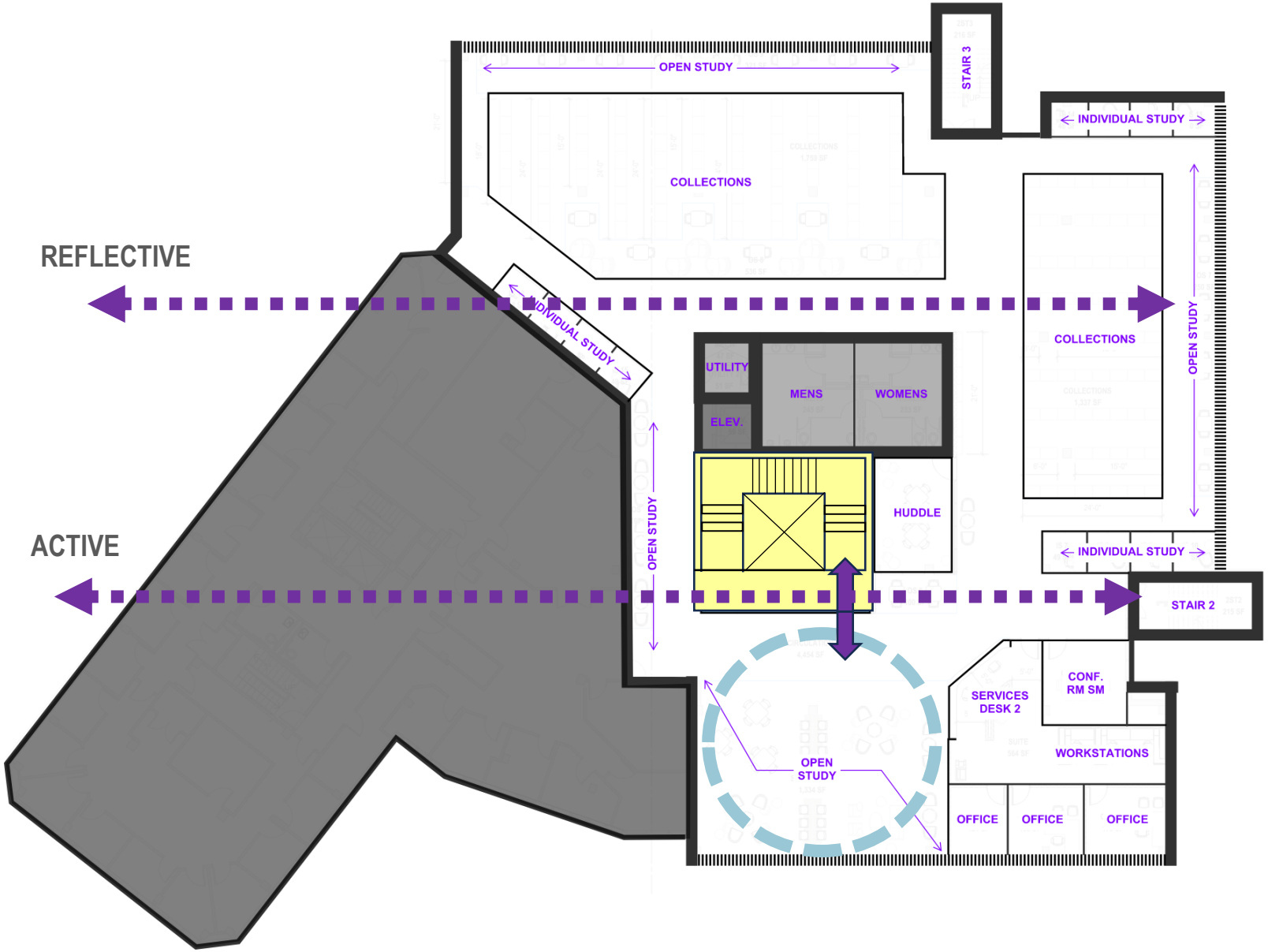
TEST FIT LEVEL 2





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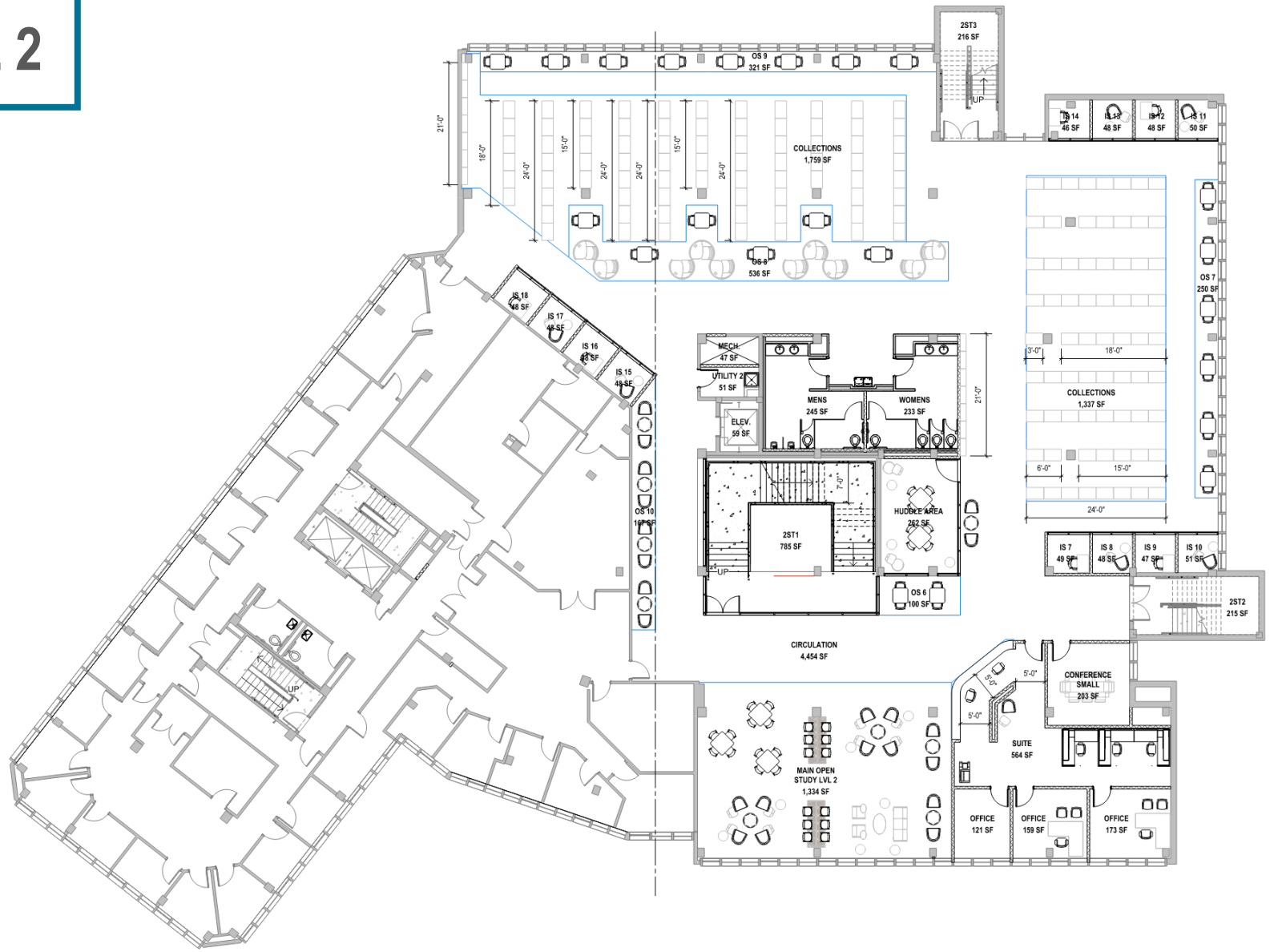

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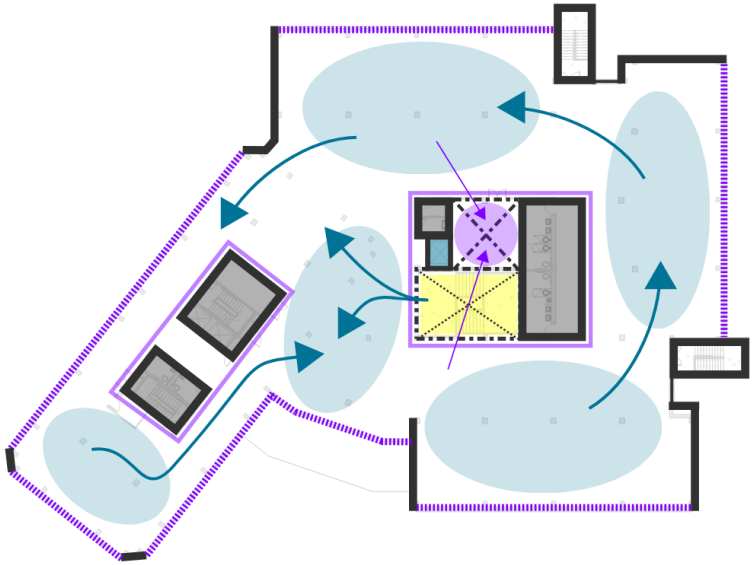

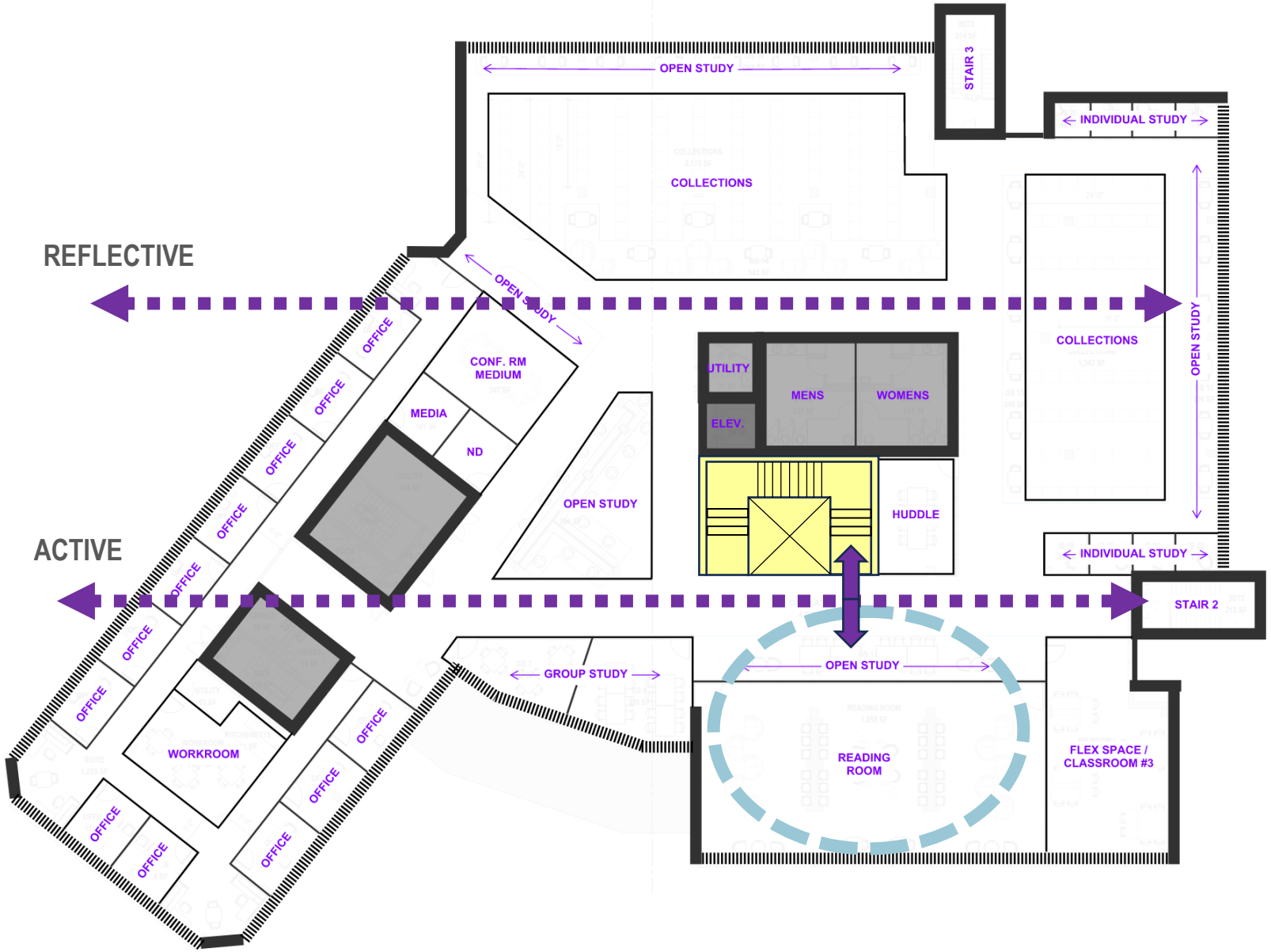

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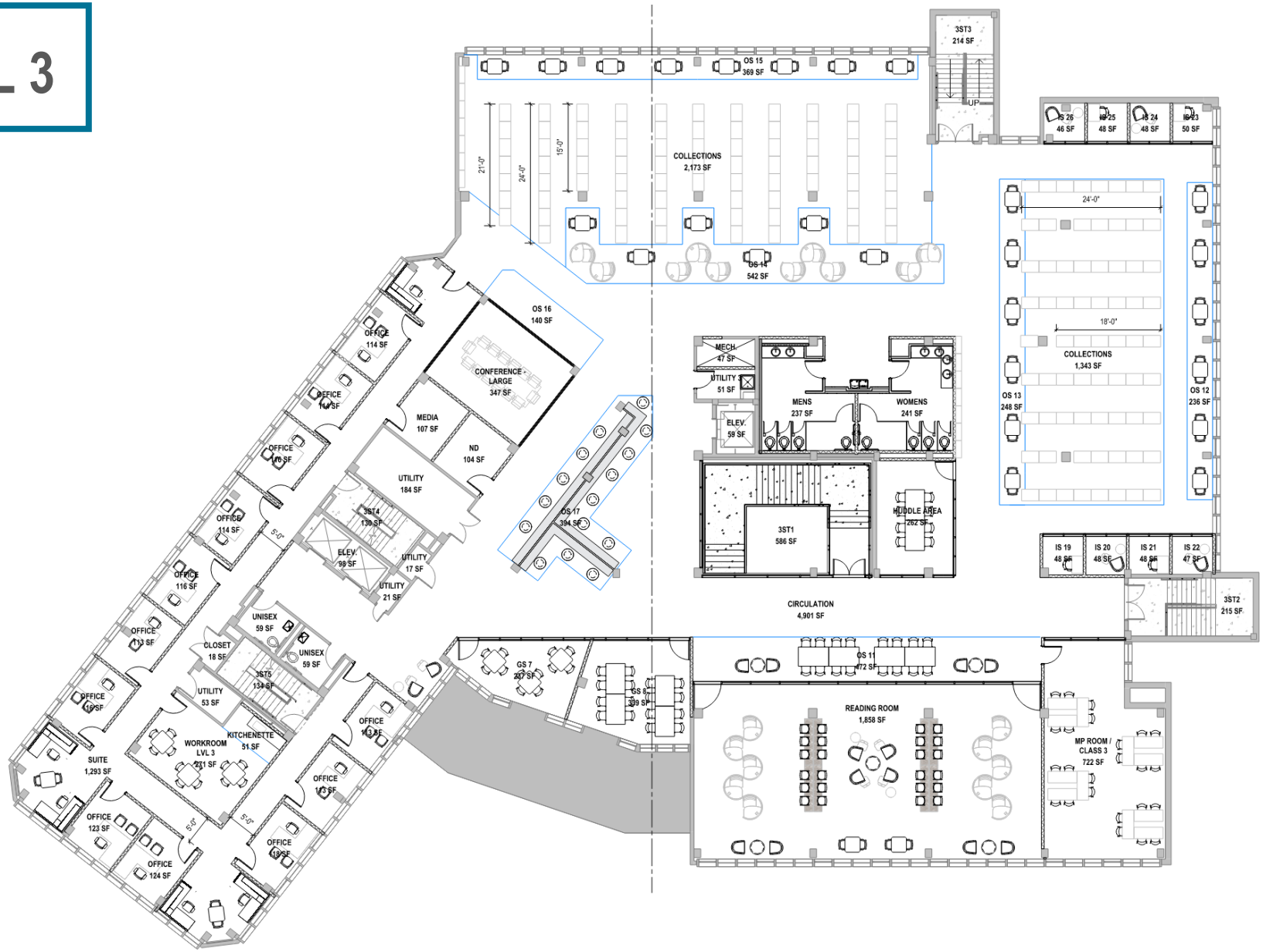

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Current Counts

	2020 Program	2024 Program
Offices	12	18 (anticipated growth?)
Workstations	16	14
Hotel Stations	2	2
Classrooms	2	3
Conference Rooms	2	2
Group Study Spaces	6-10	8
Individual Study Spaces	30	26
Computer Study Stations	60	50 (limited on Space)
Collections	10,000 LF	8150 LF (48”) / 10,000 (66”)
Open Study	8,500 SF	8,000 SF
Reading Room	1	1
Media Room	1	1
Neurodivergent Space	1	1
Breakrooms	1	1
Kitchenettes	2	2
Workrooms	2	2
Storage Rooms	4	2
Lounge/ Vending	1	1

04 Technology & AV

Technology & AV - Classrooms

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Classroom Computer Laboratory**
GROUP:	
SPACE:	**Desktop Based Computer Laboratory**
CAPACITY:	**36 + 1**
NET PROGRAM AREA:	**1200 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**210**

FUNCTION: General purpose classroom for lecture to support student library services and instruction.

RELATIONSHIP: Locate on the first floor

REQUIREMENTS:

- (1) Smart Instructor's Work Station (SIWS)
- (1) 24" x 60" mobile instructor's table
- (1) instructors ergonomic task chair
- (18) 24" x 60" two-person student computer tables with integral power and wire management to support two desktop computers. At least two student stations must be wheelchair accessible
- (36) student ergonomic task chairs
- (1) 4' x 12' whiteboard, non-glare, centered on primary teaching wall; additional whiteboard surfaces as wall space allows.
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (1) 86" wall-mounted interactive touch-screen monitor mounted on primary teaching wall
- (4) 65" wall-mounted flat panel displays distributed on non-primary teaching walls to allow for student group work/additional sharing of digital content
- (36) desktop computers
- (1) telephone
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as power, data, voice, and audio outlets at SIWS
- Power, data, and audio to support wall-mounted short-throw projector
- Power and data to support student desktop computers
- Power, data, and audio-visual i/o panel below flat panel displays to allow for laptop connection for content sharing
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting, dimmable, and zoned to allow lights adjacent to teaching wall to be separately controlled from remaining classroom lights
- Crestron, or similar device, to control A/V for short-throw projector, flat-panel displays, lighting, and motorized shades
- Low-voltage wiring for room scheduling touch screen

Technology & AV - Classrooms

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Computer Study**
GROUP:	
SPACE:	**Computer Study**
CAPACITY:	**60**
NET PROGRAM AREA:	**1200 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**410**

FUNCTION: Open space with desktop computer workstations to support student research and completion of classroom assignments

RELATIONSHIP: Locate on the first floor adjacent to Service Desk

REQUIREMENTS:

- Computer benching tables to accommodate (60) workstations that are a minimum of 30"W per station
- (60) ergonomic task chairs
- (60) desktop computers

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as power and data to support 60 desktop computers
- Indirect/Direct LED general lighting

Technology & AV – Group Study Rooms

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Group Study Room**
GROUP:	
SPACE:	**Group Study Room/Shared Family Study**
CAPACITY:	**8**
NET PROGRAM AREA:	**175 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**410**

FUNCTION: General-purpose study room to support analog and digital group collaboration and project-based study; as well as to provide a study room resource for a student with a young child(ren).

RELATIONSHIP: Locate on the first floor; locate away from Library Instruction Classrooms and One-Button Studio

REQUIREMENTS:

- (1) 42" x 90" table
- (8) ergonomic task chairs
- (1) 4' x 8' whiteboard, non-glare, centered on wall
- (1) 54" wall-mounted flat panel display
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (2) 36" W x 18" D full-height lockable storage cabinets
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as a power, data, and audio-visual i/o panel below flat panel display to allow for laptop connection for content sharing
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting
- Low-voltage wiring for room scheduling touch screen

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Group Study Room**
GROUP:	
SPACE:	**Group Study Room/One-Button Studio**
CAPACITY:	**4**
NET PROGRAM AREA:	**140 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**410**

FUNCTION: General-purpose study room to support analog and digital group collaboration and project-based study. Room will also have dual function as a one-button studio space for audio and video production and playback.

RELATIONSHIP: Locate on the first floor; locate near Computer Study

REQUIREMENTS:

- (1) 48" x 48" table
- (4) ergonomic task chairs
- (1) 4' x 8' whiteboard, non-glare, centered on wall
- (1) 54" wall-mounted flat panel display
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as a power, data, and audio-visual i/o panel below flat panel display to allow for laptop connection for content sharing
- High-quality microphones and speakers for sound capture and playback
- Wall-mounted PTZ camera for video capture
- Digital audio mixing console
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting
- Low-voltage wiring for room scheduling touch screen

Technology & AV – Conference Rooms

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Library Administration**
GROUP:	
SPACE:	**Conference Room**
CAPACITY:	**6**
NET PROGRAM AREA:	**150 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**350**

FUNCTION: Room for staff meetings and small group conferences

RELATIONSHIP: Adjacent to Director of Library and Information Services

REQUIREMENTS:

- ADA Accessibility
- (1) 42" x 72" table with integral power
- (6) conference chairs
- (1) credenza to support permanent laptop or CPU to push content to wall-mounted flat panel display
- (1) 4' x 8' whiteboard, non-glare
- (1) 65" wall-mounted flat panel display
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (1) conference telephone
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as a power, data, and audio-visual connections to flat panel display to allow for laptop or CPU connection for content sharing
- Floor outlet to support integrated conference table power, voice, data, and a/v connections
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting
- Low-voltage wiring for room scheduling touch screen

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Conference Room Medium**
GROUP:	
SPACE:	**Conference Room**
CAPACITY:	**10**
NET PROGRAM AREA:	**225 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**350**

FUNCTION: Room for staff meetings and group conferences

RELATIONSHIP: Adjacent to Resources and Collections staff spaces

REQUIREMENTS:

- ADA Accessibility
- (1) 4" x 10' table with integral power, data, and a/v connections
- (10) conference chairs
- (1) credenza to support permanent laptop or CPU to push content to wall-mounted flat panel display
- (1) 65" wall-mounted flat panel display
- (1) 4' x 8' whiteboard, non-glare
- (1) wall-mounted flat panel display
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (1) conference telephone
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as a power, data, and audio-visual connections to flat panel display to allow for laptop or CPU connection for content sharing
- Duplex convenience outlets on each wall, as per code requirements
- Floor outlet to support integrated conference table power, voice, data, and a/v connections
- Indirect/Direct LED general lighting
- Low-voltage wiring for room scheduling touch screen

Technology & AV - Offices

SPACE DATA SHEET

DEPARTMENT:	**Library Administration**
SUB UNIT NAME:	**Director of Library and Information Services**
GROUP:	
SPACE:	**Full Time Staff Office**
CAPACITY:	**1 + 2**
NET PROGRAM AREA:	**120 NASF**
NO. REQUIRED:	**1**
ROOM USE CODE (HEGIS):	**310**

FUNCTION: Administrative office sized to accommodate two guests

RELATIONSHIP: Adjacent to Library Administrative Coordinator

REQUIREMENTS:

- ADA Accessibility, standard for office use
- (1) 8' x 5'-6" L-shaped workstation with (1) pencil/box/file pedestal, (1) file/file pedestal, (2) overhead storage bins with task light, (1) tack board, and (1) tool tile
- (1) manager task chair
- (2) guest chairs
- (1) two-drawer lateral filing cabinet, 30" W
- (1) bookcase, 30" W
- (1) storage tower/wardrobe, 36" W
- (1) desktop computer, (1) network printer, and (1) telephone
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as (1) data and (1) voice at desk location, as well as empty junction box and raceway to accessible ceiling for alternate desk location/room configuration.
- (6) duplex electrical outlets total, with (2) outlets on opposite walls to allow for alternate desk location/room configuration.
- Direct/Indirect LED general lighting as well as task lighting at desk

SPACE DATA SHEET

DEPARTMENT:	**Library Access Services**
SUB UNIT NAME:	**Access Services Supervisor**
GROUP:	
SPACE:	**Full Time Staff Office**
CAPACITY:	**1 + 2**
NET PROGRAM AREA:	**120 NASF**
NO. REQUIRED:	**1**
ROOM USE CODE (HEGIS):	**310**

FUNCTION: Administrative office sized to accommodate two guests

RELATIONSHIP: Adjacent to Service Desk

REQUIREMENTS:

- ADA Accessibility, standard for office use
- (1) 8' x 5'-6" L-shaped workstation with (1) pencil/box/file pedestal, (1) file/file pedestal, (2) overhead storage bins with task light, (1) tack board, and (1) tool tile
- (1) manager task chair
- (2) guest chairs
- (1) two-drawer lateral filing cabinet, 30" W
- (1) bookcase, 30" W
- (1) storage tower/wardrobe, 36" W
- (1) desktop computer, (1) network printer, and (1) telephone
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as (1) data and (1) voice at desk location, as well as empty junction box and raceway to accessible ceiling for alternate desk location/room configuration
- (6) duplex electrical outlets total, with (2) outlets on opposite walls to allow for alternate desk location/room configuration
- Direct/Indirect LED general lighting as well as task lighting at desk

Technology & AV - Specialty

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Assistive Technology**
GROUP:	
SPACE:	**Assistive Technology**
CAPACITY:	**2**
NET PROGRAM AREA:	**75 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**455**

FUNCTION: Room to support library users with disabilities who require specialized equipment and software for learning

RELATIONSHIP: Locate on the first floor adjacent to Computer Study

REQUIREMENTS:

- (1) 30" x 72" adjustable height table
- (2) ergonomic task chairs
- (2) desktop computer with large monitors
- Sorenson Video Relay Service (VRS)
- (1) Desktop video magnifier equipment
- (1) TV/ VCR/DVD
- (1) scanner
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as a power and data to support desktop computer and motorized adjustable height table
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting

SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Lounge/Vending**
GROUP:	
SPACE:	**Lounge/Vending**
CAPACITY:	**40**
NET PROGRAM AREA:	**800 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**650**

FUNCTION: A casual, comfortable space for students, faculty, and staff where they can study, obtain vended drinks and snacks, relax, and converse

RELATIONSHIP: Locate on the first floor adjacent to Main Entry and Vestibule for potential after-hours access

REQUIREMENTS:

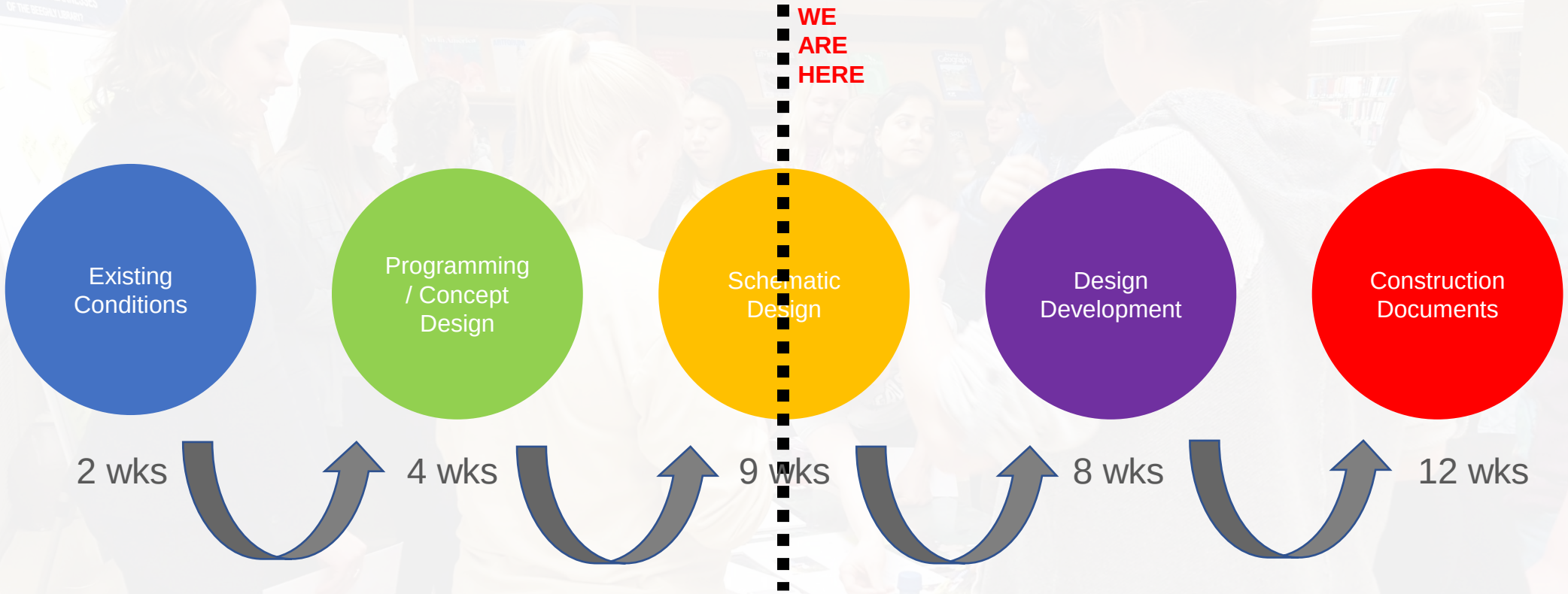
- Vending area with a combination of dry and wet vending machines
- Modular tables in a variety of sizes and heights that can be arranged to create different configurations
- (40) seats in a combination of chairs and stools to coordinate with varying table heights
- (1) 66" wall-mounted flat panel display for College information
- (1) 4' x 8' wall mounted bulletin board

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access
- Power to support vending machines
- Ample power in wall and floor to support student devices
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting as well as decorative accent lighting to create ambience and visual interest
- Emergency telephone to campus security

05 Schedule & Next Steps

DESIGN SCHEDULE



Action Items:

- HCM to share website for Faculty/Student/Stakeholder Engagement exercises for Email blast.
- MC to provide exterior envelope assessment (for energy analysis)
- MC to confirm commissioning agent status for eventual meeting coordination.
- WELL Building Certification & LEED Certification follow up discussion.

THANK YOU!

MEETING RECORD

hord | coplan | macht

Date:	08-22-2024
Project:	MC Library Renovation
HCM Project No	224112.00
Prepared by:	F. Torres / L. Lumadue

DISTRIBUTION LIST

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No.	Item		Action By
1	Agenda: 1. Guiding Principles 2. SD Program & Test Fit 3. Mood Boards 4. Technology, AV & MEP 5. Schedule & Next Steps		-
2	HCM begins presentation emphasizing core benchmarks of design strategy through reiteration of guiding principles.		-
3	HCM reviewed test fit diagrams and walked MC through each floor's layout.		-

4	Comments from Level 1:
	• MC: Assistive technology is used by students who have a disability that requires special equipment/technology. This room should be closer to the front/more central to the service desk for anyone who may be unfamiliar with the program.
	• MC: MDF room first floor is an odd shape. HCM to test fit the room with racks (3' clearance in front and back)
	  o MC asked HCM to consider if Huddle area next to stair would be a good place instead for the MDF room. HCM to explore.
	• Furniture under the main stair was questioned (OS1, Level 1); HCM will explore to make sure there are clear head heights as the design progresses. There is currently 7.5' clearance under the stair.
	  o MC likes this as shown if it is feasible; could be a cozy nook for students.
	• All gender RR on first floor discussion:
	  o HCM would need to explore plan implications to splitting into gendered restrooms.
	  o This would be the first all gender restroom for the college, so it is important to be mindful about sightlines and safety from the private to public areas.
	  o Signage will be important in case users are not comfortable with this type of restroom; there would be options on other floors.
	  o MC feels the first floor is the appropriate floor for this option but feels like sinks should be more visible.
	  o MC requests the ADA stall is in the front of the room, not in the back.
	• HCM will revise floor for SD pricing.
			HCM

4	Comments from Level 2: • MC: Research and Technology terminology should be changed to Research and Teaching. • MC: Concerned about noise from open study room to the R&T office suite; wall separating the space should be robust. HCM will make sure STC rating is enhanced for privacy.		HCM
5	Comments from Level 3: • Reading room introduced as a new type of room for the building; this would be a quiet space with opportunities for display, driving people up to the 3rd floor. • MC: Research and Collections terminology should be changed to Resources and Collections. • MC: Individual Study rooms in the corner, away from supervision, may lead to "shenanigans"		HCM

	○ This area could be changed to an open, quiet zone that is neurodivergent person friendly. Open would mean it has more passive surveillance. ○ Group Study Rooms off main stair or to the left of reading room would be easier to find than their shown area. • Neurodivergent Space discussion: ○ Rename neurodivergent space to "Low Sensory" or something similar if the space stays separate. ○ Idea of creating different environments available is better than a labeling a specialized space. MC likes the zones created on other floors as an option ILO of the special room. ○ Would be treated like a group study room, but with separate lighting or furniture. • MC: Likes interest brought to column zone. • Elevators: Elevators access is limited to certain areas. ○ A wall/door at the library side for the elevator bank would help make office restrooms more private and help with access control issues. Elevator bank would become part of the office suite. Door and wall shown at office suite side of the elevator bank would be removed. • Office Suite: ○ Directors Office ▪ Directors' suite may need separate entry if there is not an element of access control into the suite; R&C does not want any material "walking". ▪ Director's suite and R&C areas could swap to allow for separate entries from elevator bank. ○ R&C process: ▪ materials come up and delivery person lets staff know there is a delivery. ▪ Delivery goes into the suite to drop it off and staff will disperse the materials, or it will be delivered to work room. ○ Kitchenette and work room should be separated for R&C ○ No need to block off access from R&C from Directors suite; MC often moves offices around. Open corridor preferred, which also opens conference room access (should not be dedicated to a suite). ○ A "living room" as near the entry to the suite would make it more welcoming for waiting. • Green roof is preferred at "terrace" (would not be accessible zone by students, but one door should remain for green roof maintenance). Maintenance is a concern, but MC has an existing example on campus for review. • HCM will revise floor for SD pricing.		
6	Summary Slide: MC To review organization and 2020 vs achieved program counts. • MC: Individual study rooms are the "cherry on top"; however many HCM is able to fit is a good amount. ○ Make sure there are enough IT/AV/Janitors rooms. IT rooms should be stacked between floors.		HCM
7	**Mood Boards:** HCM showed 2 mood board options for consideration. Overall preference for the 2nd, brighter, "Innovation" mood board.		HCM

	• Brighter, more fun colors could help change the idea that library is just a stuffy place where the books live.
	  o HCM indicated that the use of color will be mindful so that it does not become color overload.
	• MC: Go light on the college purple; the color is very hard to match.
	  o Other purples are ok if purple is used since the brand color is hard to match.
	  o College is going under a rebrand, so branding colors should be used sparingly in case they change.
	  o MC will send HCM their current branding guidelines.
	• Color and graphics feel nice and modern; does not feel corporate.
	  o MC likes large wayfinding graphics shown.
	• MC request for there to be visual cues as someone moves up the space to reflect the quieter spaces. For example, 1st floor may be more vibrant than 2nd and 3rd floors.
	• Durability concerns for materials; MC indicated that light colors show wear and requests that carpet should hide staining); HCM to propose only durable materials.
	• MC: MC uses KI furniture.
	  o Standard furniture finishes: Kensington Maple is the standard wood tone and Starlight silver is the standard furniture base.		

8	**Technology and AV:**
	Classrooms:
	• Controls that allow for professor projection, no more short throw projection.
	• Still telephones, SIWS, mobile carts, scheduling software (MC uses Creston)
	• Keep 1- 65” screen for budgeting.
	• HCM to add speakers to classroom spaces.
	• Computer study: MC still uses desktop computers (security). If they go with laptops in this space, they will be chained down. Decision has not been made yet.
	• MC prefers for computers to be on first floor, as students tend to gather here.
	  o 50 vs 60 workstations is not concerning, as students bring in their own laptops.
	  o There should be enough power throughout the library for individual laptop use.
	• MC does have a laptop loaning program in the building.
	• MC has a Wi-Fi network; not many people are using ethernet.
	Group and Individual Study rooms:
	• Each Group Study will have a scheduler and an individual monitor. MC staff manages the scheduling of these rooms.
	• Individual Study rooms:
	  o Would need a system so students don’t fight over rooms or stay there all day; MC to discuss with access services. For now, HCM should assume Creston schedulers for all individual study rooms.
	Conference:
	• Smaller LCD screen to manage the screens/professor plug in
	  o Should be a secure space for a laptop to plug in to the LCD screen.
	• HCM to add speakers to these rooms.
			HCM

9	**MEP**:		HCM

	HCM and James Posey (JPA) reviewed the summary for MEP work.
	Mechanical:
	• MC requests hot water reheat coils be changed to electric reheat coils. James Posey to study impact of this change.
	• MC requested information on energy recovery for the AHU.
	  o Currently, JPA does not anticipate much energy recovery but will look at this more as the design progresses.
	• MC currently does Mini Split at IT Rooms.
	• MC indicated that AV rooms will need dedicated exhaust fans.
	• For downstairs pipes and risers, JPA should assume taking the chiller piping the whole way back to where it enters Macklin Tower.
	  o 50-60 sf of piping is direct buried and was not replaced. Piping in vault was replaced a few years ago. HCM/JPA to pull the replacement of the buried piping as an add alternate.
	• MC requests acoustically mindful mechanical systems that is suitable for a library. JPA will size ductwork appropriately and will be providing sound attenuators.
	  o MC requests radius bends at ductwork everywhere.
	Electrical:
	• MC requests 90 CRI light fixtures at reading room on 3rd floor.
	• MC confirmed 4k for standard color temperature.		

10	**LEED:** • Design team summarized current scorecard and possibilities. HCM will refine with the design. MC requests a side-by-side comparison for LEED compliance vs IGCC pathways. • Sustainability will be discussed at the 9/10 meeting, but design team and MC will meet in advance of that.		MC/HCM
11	MC is still waiting for a Cx agent proposal.		MC

12	Closing:
	HCM reviewed the schedule and action items, including the next meetings.
	• HCM will share stakeholder engagement exercises and survey questions with MC on 8/22.
	• 8/29 Schematic Design set will go to Forella, HCM will send to MC at the same time.
	  o AV/IT and Security (access control, cameras) will review after the plans after SD submission.
	  o MC aims to get SD comments back to HCM the week of 9/9.
	  o Design team will do extensive survey during DDs.
	  ▪ MC cautions that there is a lot of cables/etc. above the ceilings and recommends it should be documented during survey for accurate cost estimation. MC asks JPA to identify “abandoned” items or items serving other parts of the building.
			MC/HCM

13	Meeting ended at 3:16 PM.		-

These meeting notes were prepared by Hord Coplan Macht, Inc for the purpose of recording the information covered during this meeting. Should anyone object to any statement or interpretation contained herein, please inform Hord Coplan Macht, Inc. within seven days or the meeting notes shall stand as written.
Issued by, Hord Coplan Macht, Inc.

MONTGOMERY COLLEGE
ROCKVILLE CAMPUS

MACKLIN LIBRARY RENOVATION

August 22nd, 2024

hord | coplan | macht

AGENDA

01 Guiding Principles

02 Final SD Program & Test Fit

03 Mood Boards

04 Technology, AV & MEP

05 Schedule & Next Steps

hord | coplan | macht

01 Guiding Principles

GUIDING PRINCIPLES

1. Welcoming and Inclusive building to a diverse population of users.
2. Develop attractive spaces for users who will end up seeing the library as a destination.
3. Creates an environment that enhances outcomes and wellbeing. A habitable safe building inside and out.
4. Fosters connections and collaborations that lead to a strong sense of identity and community.
5. Increase zones for privacy and focus while maintaining areas for gathering and learning.
6. Provides modern tools and technology to accommodate current and future needs.
7. Design that enhances growth, flexibility and adaptability for students, faculty and staff.
8. Upgrade internal infrastructure with systems integration for building efficiency and sustainability..
9. Minimize unforeseen events through being thorough, well detailed and thoughtfully coordinated design documents.
10. Brings both the local and global Montgomery College community together to convene for knowledge sharing and events.

02 SD Program & Test Fit

TEST FIT LEVEL 1

GROUP STUDY
6 @ 4 OCCUPANTS

ACCESS SERVICES
3 OFFICE
6 WS
3 (MIN) SERVICE DESK
1 STORAGE
1 WORKROOM

INDIVIDUAL STUDY

CLASSROOMS
2 @ 37 OCCUPANTS
1 LECTERN

COMPUTER STUDY
48 STATIONS (-11)
1 STATION FOR AT

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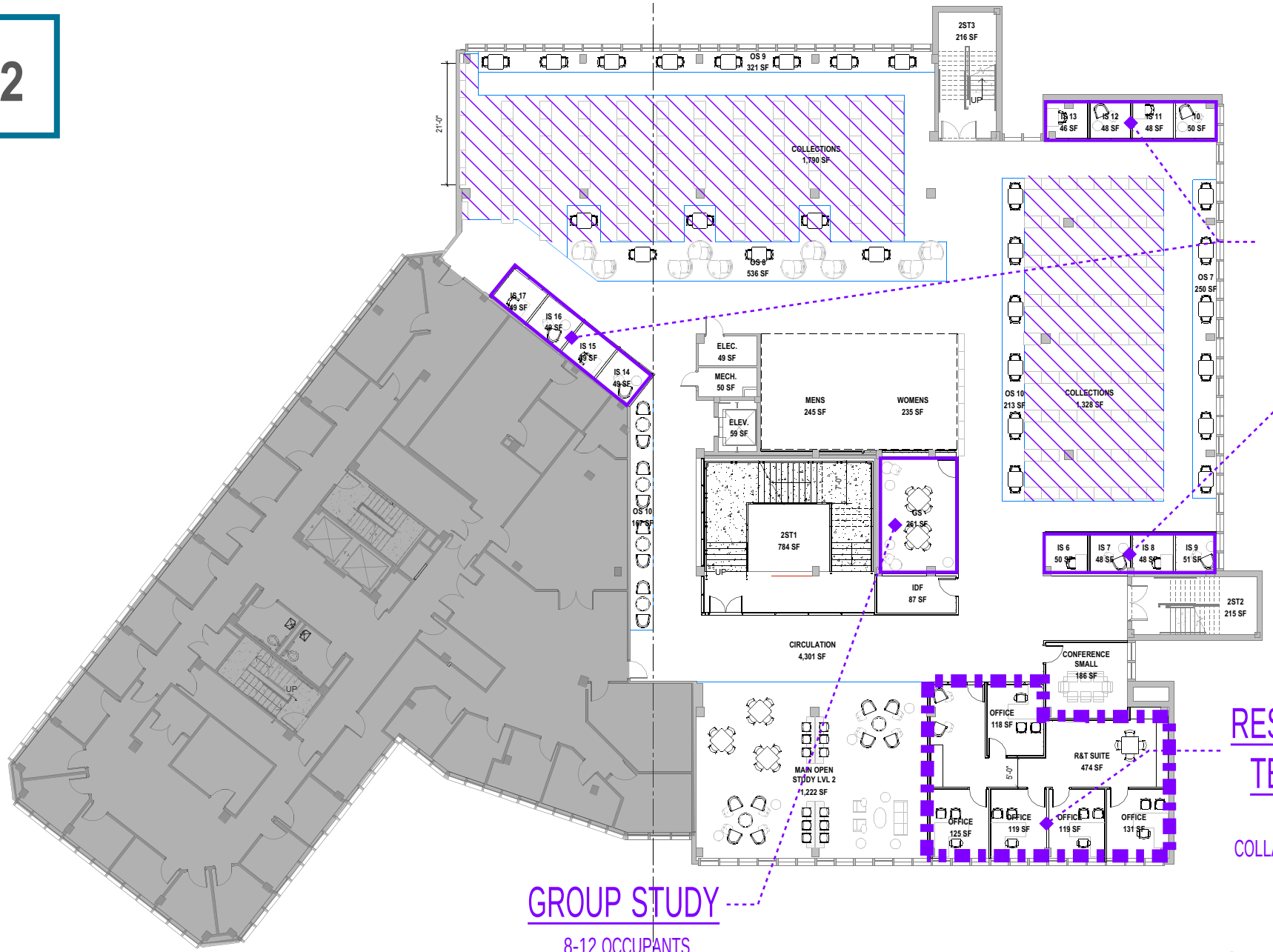
TEST FIT LEVEL 2



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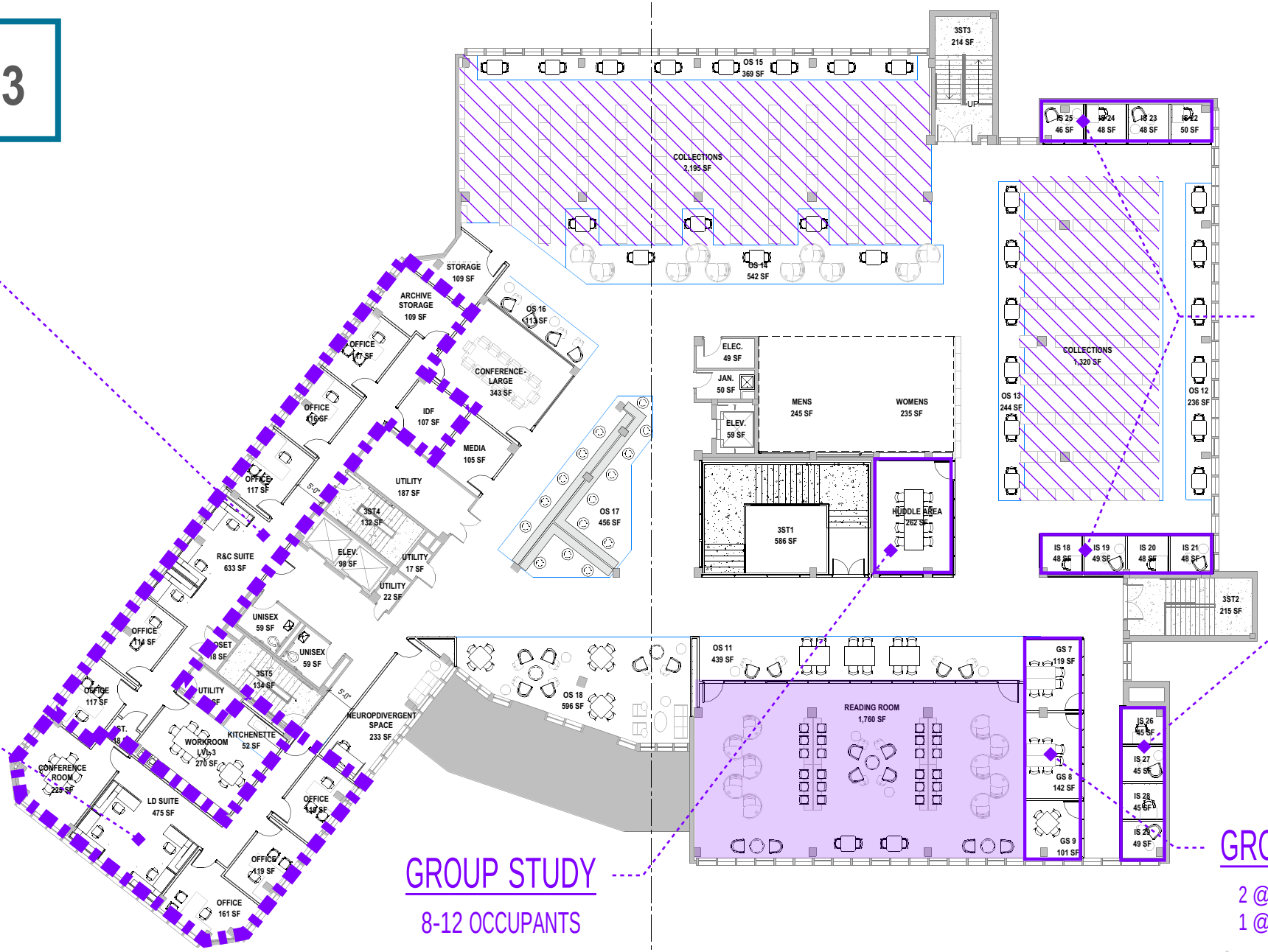
TEST FIT LEVEL 3

RESOURCE & COLLECTIONS

5 OFFICE
3 WS
WORKROOM
ARCHIVE STORAGE

DIRECTORS SUITE

3 OFFICE
2-4 HOTEL STATIONS
CONFERENCE



GROUP STUDY

8-12 OCCUPANTS

INDIVIDUAL STUDY

GROUP STUDY

2 @ 6 OCCUPANTS
1 @ 4 OCCUPANTS

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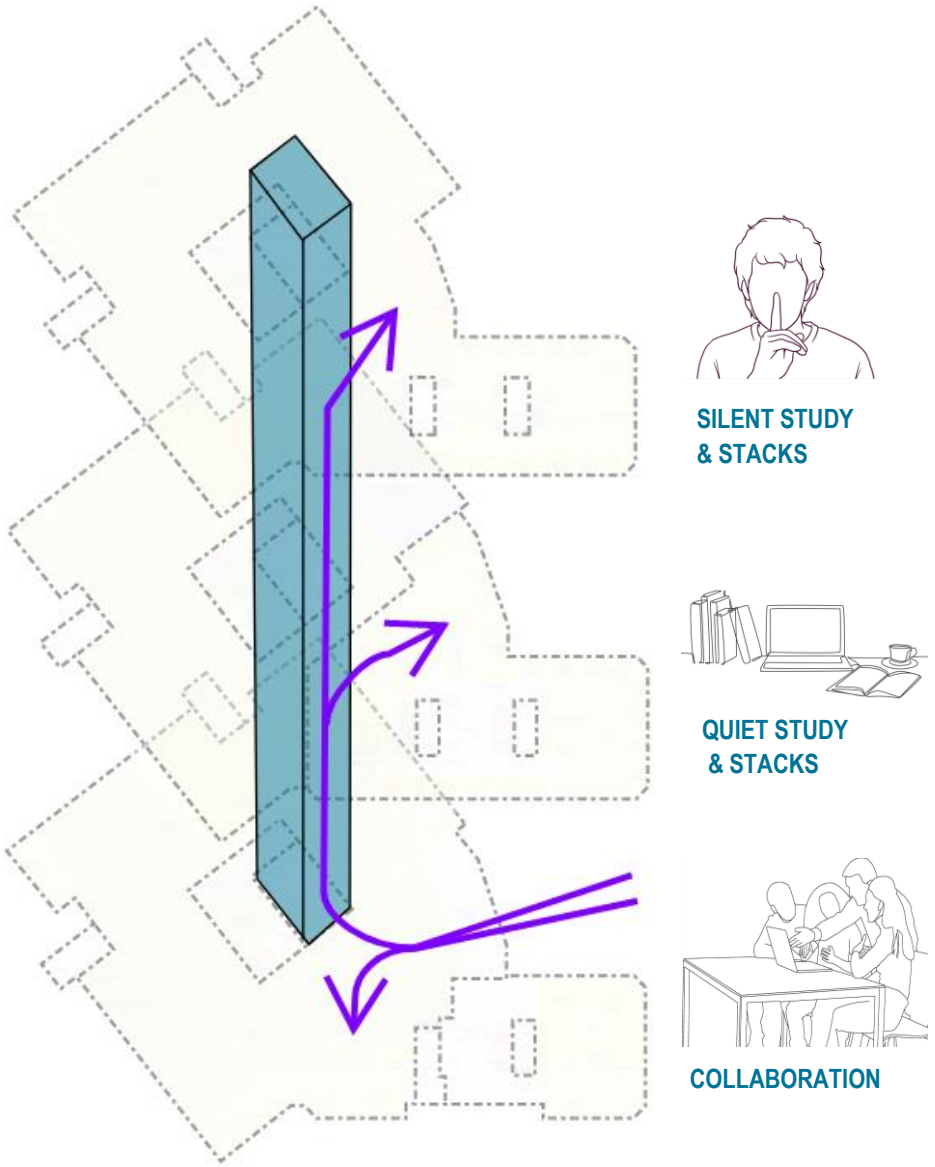
Counts & Organization

	2020 Program	Achieved Program
Offices	12	16
Workstations	16	12
Hotel Stations	2	2
Classrooms	2	3
Conference Rooms	2	3
Group Study Spaces	6-10	10
Individual Study Spaces	30	29
Computer Study Stations	60	50 (limited on Space)
Collections	10,000 LF	10,000 LF (48” & 66”)
Open Study	8,500 SF	8,000 SF
Reading Room	0	1
Media Room	1	1
Neurodivergent Space	1	1
Breakrooms	1	1
Kitchenettes	2	2
Workrooms	2	2
Storage Rooms	4	4
Lounge/ Vending	1	1



03 Mood Boards

MONTGOMERY COLLEGE

Moscar: Raptors

- Ranked #18 in **Best Community College in the U.S.** (and #1 in Maryland) by Value Colleges (2024).
- Ranked #8 in the U.S. **Best LPN to ADN Bridge Program** by All Nurses (2023).
- Ranked #12 **Cybersecurity Associate's Program** in the U.S. by Cybersecurity Guide (2023).
- Ranked **Top in the U.S. for Student-Parents** by Generation Hope (2023-2026).
- Ranked **#1 Best Community College in Maryland** by Niche (2023).
- Ranked #7 in **10 Best Community Colleges for International Students in 2023** by Study International (2023).
- Ranked #10 (out of 688) in **2023 Best Community Colleges in the U.S. (and #1 in Maryland)** by WalletHub (2023).
- Ranked **#1 community college in Maryland and #77 in the U.S.** by Niche (2023).

Mission Statement

Montgomery College is where students discover their passions and unlock their potential to transform lives, enrich the community, and change the world.

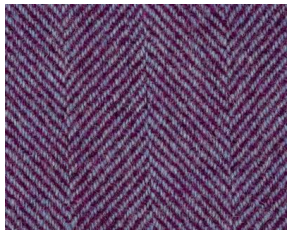
Vision Statement

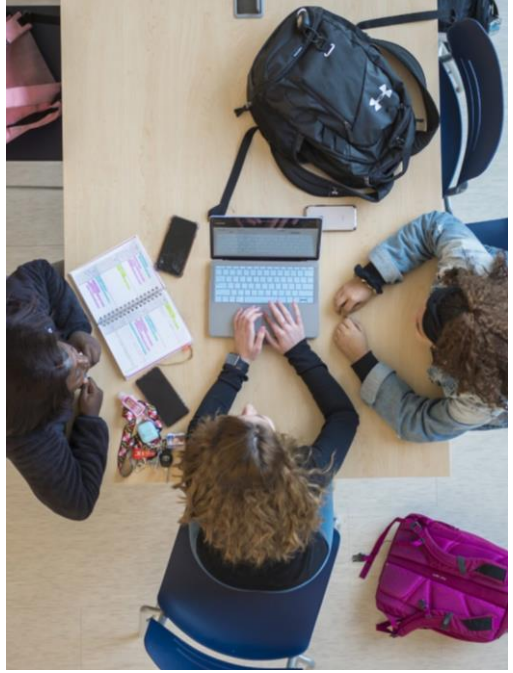
Montgomery College will serve as the community's institution of choice to transform the lives of students and Montgomery County.

Values Statement

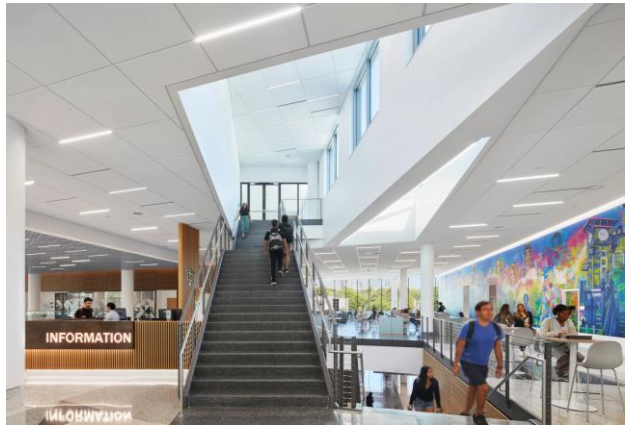
At our core, we believe in welcoming all students and all employees into a community that emphasizes belonging. We believe in giving every individual what they need to succeed **(Equity and Inclusion)**. We believe in conducting our teaching and service duties with distinction **(Excellence)** in an ethical and trustworthy manner **(Integrity)**. We are dedicated to being a transformational institution seeking social justice and are continuously updating and improving all our learning environments, the curriculum, and student services **(Innovation)** to meet the changing needs of our community **(Adaptability)**. We make decisions about our operations in a way that respects and sustains the environment **(Sustainability)**. We conduct ourselves with civility, courtesy, and professionalism in all our interactions **(Respect)**.

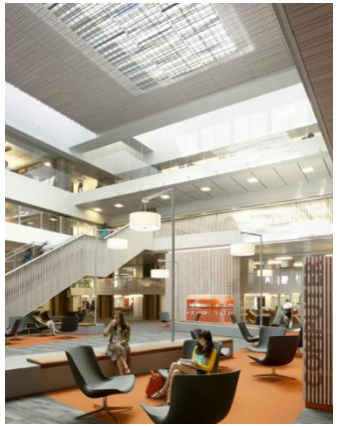
You Belong Here

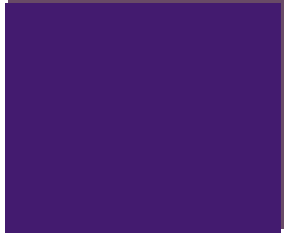




Respect







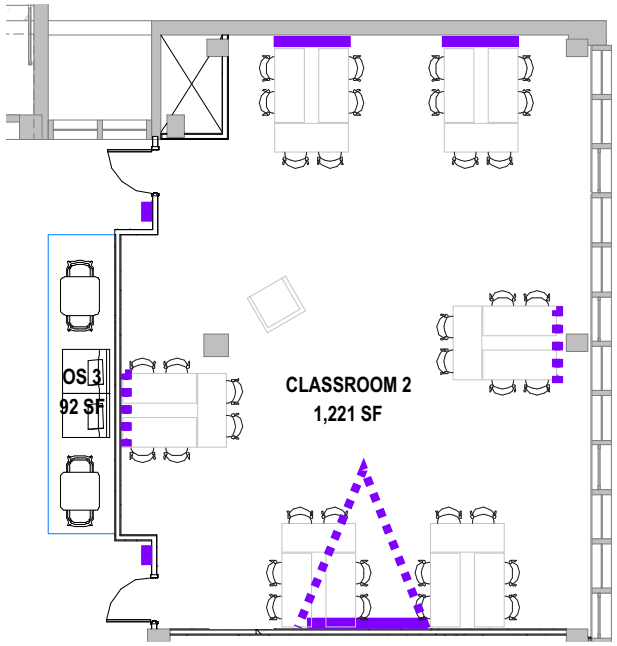
MONTGOMERY COLLEGE
MC
MC RAPTORS

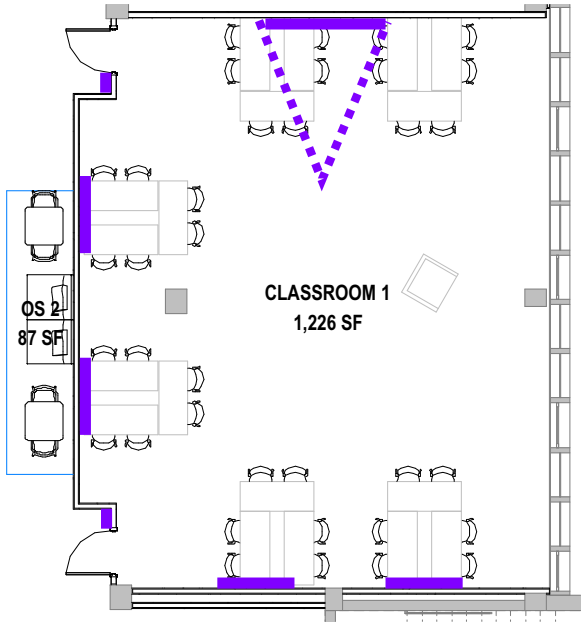
Innovation

Class of 2024

04 Technology, AV & MEP

Technology & AV - Classrooms





SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Classroom Computer Laboratory**
GROUP:	
SPACE:	**Desktop Based Computer Laboratory**
CAPACITY:	**36 + 1**
NET PROGRAM AREA:	**1200 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**210**

FUNCTION: General purpose classroom for lecture to support student library services and instruction.

RELATIONSHIP: Locate on the first floor

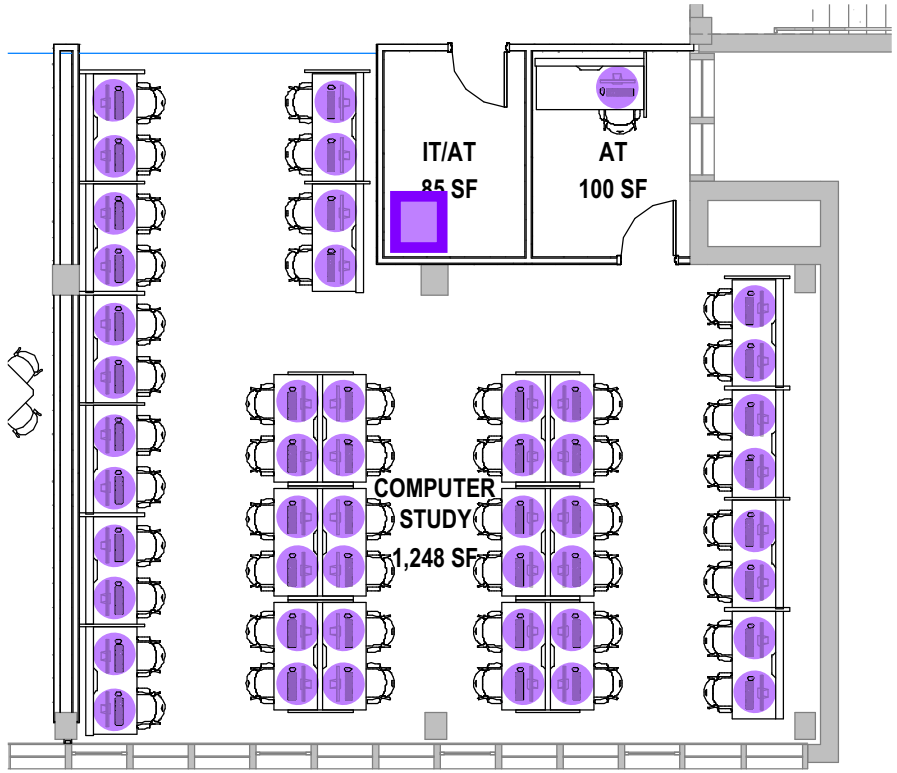
REQUIREMENTS:

- (1) Smart Instructor's Work Station (SIWS)
- (1) 24" x 60" mobile instructor's table
- (1) instructors ergonomic task chair
- (18) 24" x 60" two-person student computer tables with integral power and wire management to support two desktop computers. At least two student stations must be wheelchair accessible
- (36) student ergonomic task chairs
- (1) 4' x 12' whiteboard, non-glare, centered on primary teaching wall; additional whiteboard surfaces as wall space allows.
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (1) 86" wall-mounted interactive touch-screen monitor mounted on primary teaching wall
- (4) 65" wall-mounted flat panel displays distributed on non-primary teaching walls to allow for student group work/additional sharing of digital content
- (36) desktop computers
- (1) telephone
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as power, data, voice, and audio outlets at SIWS
- Power, data, and audio to support wall-mounted short-throw projector
- Power and data to support student desktop computers
- Power, data, and audio-visual i/o panel below flat panel displays to allow for laptop connection for content sharing
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting, dimmable, and zoned to allow lights adjacent to teaching wall to be separately controlled from remaining classroom lights
- Crestron, or similar device, to control A/V for short-throw projector, flat-panel displays, lighting, and motorized shades
- Low-voltage wiring for room scheduling touch screen

Technology & AV - Classrooms



SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Computer Study**
GROUP:	
SPACE:	**Computer Study**
CAPACITY:	**60**
NET PROGRAM AREA:	**1200 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**410**

FUNCTION: Open space with desktop computer workstations to support student research and completion of classroom assignments

RELATIONSHIP: Locate on the first floor adjacent to Service Desk

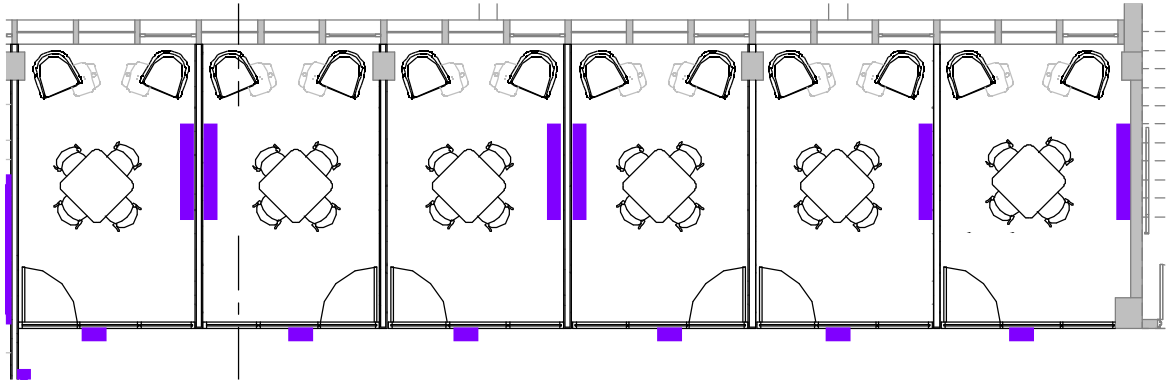
REQUIREMENTS:

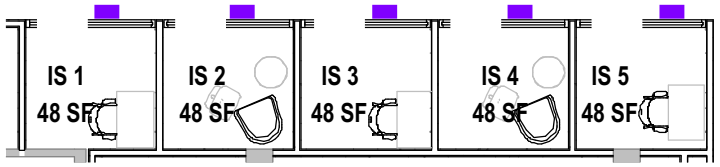
- Computer benching tables to accommodate (60) workstations that are a minimum of 30"W per station
- (60) ergonomic task chairs
- (60) desktop computers

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as power and data to support 60 desktop computers
- Indirect/Direct LED general lighting

Technology & AV – Group Study Rooms





SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Group Study Room**
GROUP:	
SPACE:	**Group Study Room/Shared Family Study**
CAPACITY:	**8**
NET PROGRAM AREA:	**175 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**410**

FUNCTION: General-purpose study room to support analog and digital group collaboration and project-based study; as well as to provide a study room resource for a student with a young child(ren).

RELATIONSHIP: Locate on the first floor; locate away from Library Instruction Classrooms and One-Button Studio

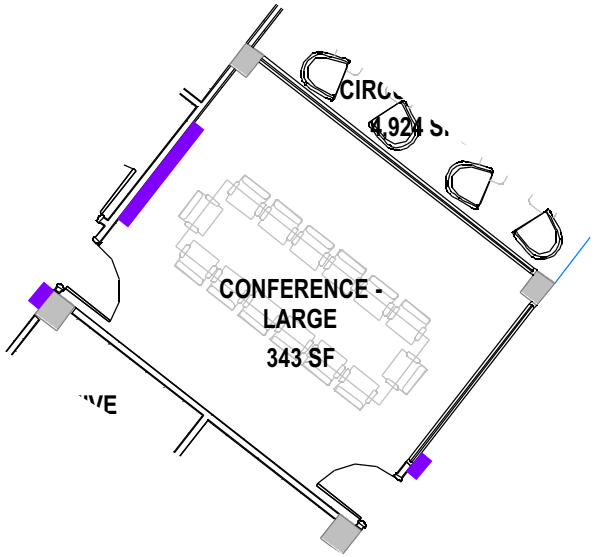
REQUIREMENTS:

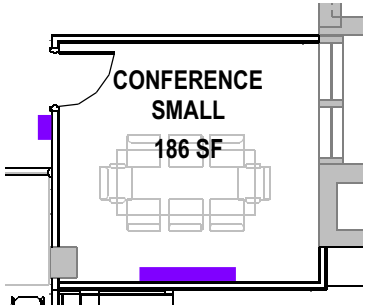
- (1) 42" x 90" table
- (8) ergonomic task chairs
- (1) 4 ft Chalkboard, non-glare, centered on wall
- (1) 54" wall-mounted flat panel display
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (2) 36" W x 18" D full-height lockable storage cabinets
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as a power, data, and audio-visual i/o panel below flat panel display to allow for laptop connection for content sharing
- Duplex convenience outlets on each wall, as per code requirements
- Indirect/Direct LED general lighting
- Low-voltage wiring for room scheduling touch screen

Technology & AV – Conference Rooms





SPACE DATA SHEET

DEPARTMENT:	**Library**
SUB UNIT NAME:	**Conference Room Medium**
GROUP:	
SPACE:	**Conference Room**
CAPACITY:	**10**
NET PROGRAM AREA:	**225 NASF**
NO. REQURIED:	**1**
ROOM USE CODE (HEGIS):	**350**

FUNCTION: Room for staff meetings and group conferences

RELATIONSHIP: Adjacent to Resources and Collections staff spaces

REQUIREMENTS:

- ADA Accessibility
- (1) 4" x 10' table with integral power, data, and a/v connections
- (10) conference chairs
- (1) credenza to support permanent laptop or CPU to push content to wall-mounted flat panel display
- (1) 65" wall-mounted flat panel display
- (1) 4' x 8' whiteboard, non-glare
- (1) wall-mounted flat panel display
- (1) Room Scheduling touch screen, mounted outside room adjacent to door
- (1) wastebasket and (1) recycling bin

UTILITIES:

- Utilize MC current IT/AV Cabling Standards
- WiFi access as well as a power, data, and audio-visual connections to flat panel display to allow for laptop or CPU connection for content sharing
- Duplex convenience outlets on each wall, as per code requirements
- Floor outlet to support integrated conference table power, voice, data, and a/v connections
- Indirect/Direct LED general lighting
- Low-voltage wiring for room scheduling touch screen

MECHANICAL / ELECTRICAL / PLUMBING

Mechanical Items

- New rooftop multizone variable air volume (VAV) air handling unit with chilled water cooling, hot water preheating, and VAV terminal units with hot water reheating coils to serve library spaces.
- New VAV terminal units with hot water reheating coils to serve office spaces on L3 of the tower. Supply air will be provided to VAV terminal units by an existing air handling unit installed on the roof of the tower
- New supply/return air ductwork and air devices for all spaces within the scope of work
- Chilled water provided by the existing campus chilled water plant.
- Heating water provided by the existing campus heating water plant.
- Automatic temperature controls connected to the existing building automation system and campus network

Plumbing Items

- New plumbing fixtures and associated domestic water branch piping, sanitary, and vent piping
- Revisions to storm water piping as required to accommodate architectural modifications

Fire Protection Items

- New sprinkler heads and sprinkler branch piping served by the existing standpipes and sprinkler zone valve assemblies installed in the stairwell.

Electrical Items

- Reuse of existing infrastructure and closets (installed 2007) to serve newly renovated areas.
- New dedicated power panels for new IT spaces.
- New LED lighting throughout extent of renovation.
- Lighting and Receptacle Controls (by Wattstopper) In accordance with Rockville Energy Codes.
- Lighting control system will be expandable for future renovation of the remainder of the building.
- Preliminary estimate of 100kW of PV possible on roof. Actual amount to be determined based on final layout of equipment.
- Modification of existing Simplex 4100ES Fire Alarm system for renovated area.

LEED SCORECARD – SCHEMATIC DESIGN

LEED v4.1 ID+C: Commercial Interiors
Project Checklist

Project Name: Montomgery College - Macklin Library Renc
Date: 8/29/2024

Y	?	N			
1	1		Credit	Integrative Process	2

1	1	34	**Location and Transportation**		18
		18	Credit	LEED for Neighborhood Development Location	18
		8	Credit	Surrounding Density and Diverse Uses	8
1	1	5	Credit	Access to Quality Transit	7
		1	Credit	Bicycle Facilities	1
		2	Credit	Reduced Parking Footprint	2

6	2	4	**Water Efficiency**		12
Y			Prereq	Indoor Water Use Reduction	Required
6	2	4	Credit	Indoor Water Use Reduction	12

17	21	0	**Energy and Atmosphere**		38
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Fundamental Refrigerant Management	Required
4	1		Credit	Enhanced Commissioning	5
10	14		Credit	Optimize Energy Performance	24
2	0		Credit	Advanced Energy Metering	2
	6		Credit	Renewable Energy	6
1	0		Credit	Enhanced Refrigerant Management	1

12	1	0	**Materials and Resources**		13
Y			Prereq	Storage and Collection of Recyclables	Required
1			Credit	Long-Term Commitment	1
3	1		Credit	Interiors Life-Cycle Impact Reduction	4
2			Credit	Environmental Product Declarations	2
2			Credit	Sourcing of Raw Materials	2
2			Credit	Material Ingredients	2
2			Credit	Construction and Demolition Waste Management	2

11	5	1	**Indoor Environmental Quality**		17
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
1	1		Credit	Enhanced Indoor Air Quality Strategies	2
2	1		Credit	Low-Emitting Materials	3
1			Credit	Construction Indoor Air Quality Management Pl	1
	2		Credit	Indoor Air Quality Assessment	2
		1	Credit	Thermal Comfort	1
2			Credit	Interior Lighting	2
2	1		Credit	Daylight	3
1			Credit	Quality Views	1
2			Credit	Acoustic Performance	2

2	2	2	**Innovation**		6
1	2	2	Credit	Innovation	5
1			Credit	LEED Accredited Professional	1

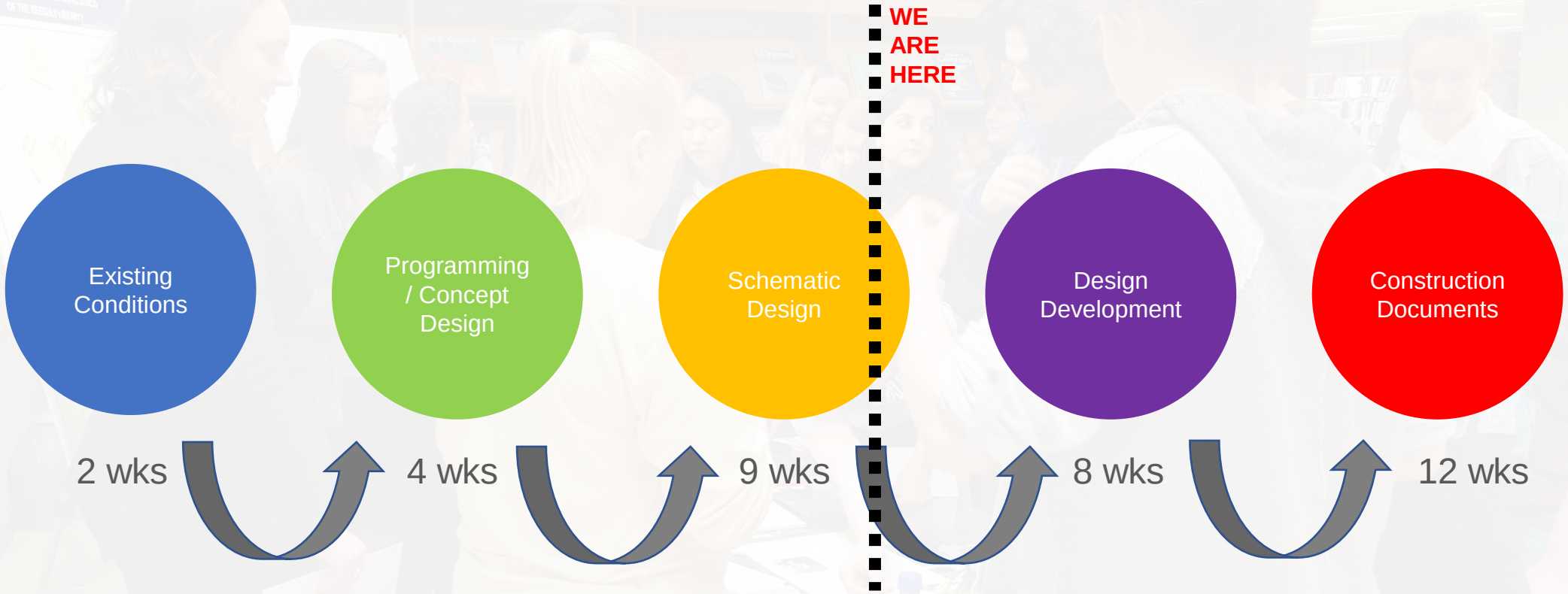
3	0	1	**Regional Priority**		4
1			Credit	Regional Priority: Indoor Water Use Reduction	1
1			Credit	Regional Priority: Access to Quality Transit	1
1			Credit	Regional Priority: Optimize Energy Performanc	1
		1	Credit	Regional Priority: Reduced Parking Footprint	1

53	33	42	**TOTALS**	Possible Points:	110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points,

05 Schedule & Next Steps

DESIGN SCHEDULE



Action Items:

- Stakeholder Engagement exercises have been set:
  - 09/11 (Student Services) & 9/12 (Science Center)
  - Focus groups will be Faculty/Students & Staff
- Commissioning Agent Status
- CMAR Status
- LEED / WELL / Energy Analysis kickoff set for 09/10

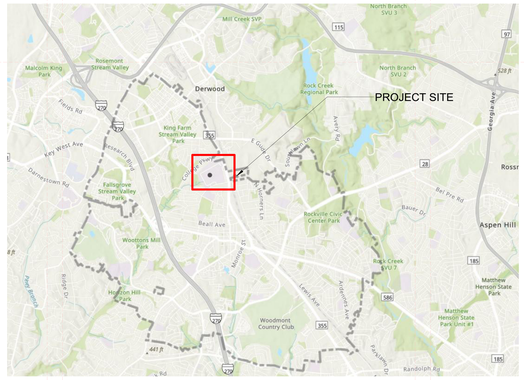
THANK YOU!

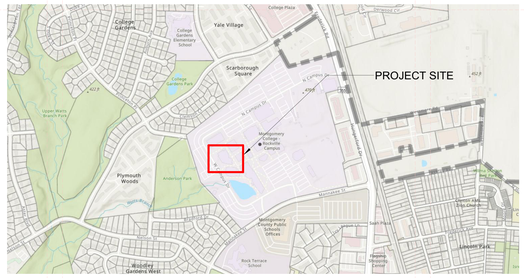
Schematic Design Drawings

MACKLIN TOWER LIBRARY RENOVATION

PROJ: 224112.00
MONTGOMERY COLLEGE
51 MANNAKEE STREET
ROCKVILLE, MD 20850

MC PROJECT # FP24-003
BUILDING # 206





SITE VICINITY MAPS

CURRENT ISSUE: 2024-08-29 SCHEMATIC DRAWINGS

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G-000	COVER SHEET
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GL102	LIFE SAFETY PLAN- LEVEL 02 & 03

ARCHITECTURAL

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AD101	DEMOLITION PLAN- LEVEL 01
AD102	DEMOLITION PLAN- LEVEL 02
AD103	DEMOLITION PLAN- LEVEL 03
AD1R1	DEMOLITION PLAN- ROOF
AR101	DEMO REFLECTED CEILING PLAN- LEVEL 01
AR102	DEMO REFLECTED CEILING PLAN- LEVEL 02
AR103	DEMO REFLECTED CEILING PLAN- LEVEL 03
A-101	FLOOR PLAN- LEVEL 01
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A-201	ELEVATIONS- EXTERIOR- BUILDING
A-202	ELEVATIONS- EXTERIOR- BUILDING
A-301	BUILDING SECTIONS

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MONTGOMERY COLLEGE
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MC PROJECT # FP24-003
BUILDING # 206

hord | coplan | macht
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number:	224112.00
Drawn By:	Author
Checked By:	Checker

Drawing
COVER SHEET

G-000

NOT FOR CONSTRUCTION

2024-08-29
SCHEMATIC DRAWINGS

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8/29/2024 4:07:43 PM

ABBREVIATIONS

THESE ABBREVIATIONS ARE BASED ON STANDARD ABBREVIATIONS THAT ARE USED IN CONSTRUCTION. HOWEVER, ALL ABBREVIATIONS MUST BE REVIEWED IN CONTEXT AND FINAL INTERPRETATION IS BY THE ARCHITECT. NOT ALL ABBREVIATIONS THAT ARE LISTED ARE USED IN THE ATTACHED DOCUMENTS.

"	INCHES
#	POUND OR NUMBER
&	AND
'	FOOT (FEET)
(E)	EXISTING
<	ANGLE
@	AT
CL	CENTERLINE
A/C	AIR CONDITIONING
AAD	ATTIC ACCESS DOOR
AAP	ATTIC ACCESS PANEL
AB	ANCHOR BOLT
ABV	ABOVE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN, ACOUSTIC DIMENSIONS
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM, ADDITION
ADJ	ADJUSTABLE, ADJUSTMENT
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
AMSMV	ADHERED MANUFACTURED STONE MASONRY VENEER
AOR	AREA OF REFUGE
AP	ACCESS PANEL
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT, ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
BATH	BATHROOM
BD	BOARD
BEL	BELOW
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BM	BENCHMARK
BOF	BOTTOM OF FOOTING
BOH	BACK OF HOUSE
BOP	BOTTOM OF PLATE
BOT	BOTTOM
BOW	BOTTOM OF WALL
BPL	BEARING PLATE
BR	BEDROOM
BRG	BEARING
BRK	BRICK
BSMT	BASEMENT
BUR	BUILT-UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FOOT
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CH	COAT HOOK
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTERLINE, CLEARANCE
CLG	CEILING
CLKG	CAULKING
CLOS	CLOSET
CLR	CLEAR(ANCE)
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CASED OPENING, CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR, CORRUGATED
CPT	CARPET
CR	CHAIR RAIL
CRS	COLD ROLLED STEEL
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	CENTER, COUNTER
CTSK	COUNTERSUNK
CW	CURTAIN WALL
CY	CUBIC YARD
D	DRYER, DISPOSAL
DB	DECIBEL
DBL	DOUBLE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET, DTL	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EF	EXHAUST FAN
EHW	ENGINEERED HARDWOOD
EIFS	EXTERIOR INSULATED FINISHING SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER
ENT	ENTRANCE
EOC	EDGE OF CARPET
EOS	EDGE OF SLAB
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION, EXPOSED
EXT	EXTERIOR
F	FARENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAS	FASTEN
FB	FLAT BAR
FCB	FIBER-CEMENT BOARD
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FFS	FACE OF FINISHED SURFACE
FGL	FIBERGLASS
FHC	FIRE HOSE CABINET

FIN	FINISH(ED)
FIXT	FIXTURE
FJ	FLOOR JOIST
FLASH	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOH	FRONT OF HOUSE
FOS	FACE OF STUD
FP	FIREPLACE
FPRF	FIREPROOF
FR	FIRE RATED
FRIG	REFRIGERATOR
FRMG	FRAMING
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE
FT	FOOT OR FEET
FTG	FOOTING
FURN	FURNISH(ING), FURNITURE
FURR	FURRING
FUT	FUTURE
FWC	FABRIC WALL COVERING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDR	GUARD RAIL
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFI	GROUND FAULT INTERRUPT
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS, GLAZED, GLAZING
GND	GROUND
GOVT	GOVERNMENT
GR	GRADE
GWB	GYPSUM WALLBOARD
GYP BD	GYPSUM BOARD
H	HIGH
HB	HOSE BIB
HC	HANDICAP, HOLLOW CORE
HCW	HOLLOW WOOD CORE
HD	HEAVY DUTY
HDR	HEADER
HDW	HARDWARE
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR, HANDRAIL
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWD	HARDWOOD
HWH	HOT WATER HEATER
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE, INCLUDING
IND	INDUSTRIAL
INFO	INFORMATION
INSUL	INSULATION, INSULATE
INT	INTERIOR, INTERNAL
INV	INVERT
J	JOIST
JAN	JANITOR
JCT	JUNCTION
JST	JOIST
JT	JOINT
KDN	KNOCKDOWN
KIT	KITCHEN
KO	KNOCKOUT
KP	KICK PLATE
L	LENGTH, LONG
LA	LANDSCAPE ARCHITECT
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE(D)
LAV	LAVATORY
LBL	LABEL
LBR	LUMBER
LD	LINEAR DIFFUSER
LF	LINEAR FOOT
LH	LEFT HAND
LIN	LINEAR, LINEN
LKR	LOCKER
LL	LIVE LOAD
LNDG	LANDING
LNT	LINTEL
LOC	LOCATION
LR	LIVING ROOM
LT	LIGHT
LTWT	LIGHTWEIGHT
LUM	LUMINOUS
LV	LOW VOLTAGE
LVR	LOUVER
LVT	LUXURY VINYL TILE
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAN	MANUAL
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MC	MEDICINE CABINET
MDF	MEDIUM DENISTY FIBER BOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFD	MANUFACTURED
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MM	MILLIMETER
MO	MASONRY OPENING
MOD	MODULAR
MOV	MOVABLE
MR	MOISTURE RESISTANT
MRT	MOISTURE RESISTANCE TREATED
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
MWK	MILLWORK
N	NORTH
N/A	NOT APPLICABLE
NAT	NATURAL
NEC	NATIONAL ELECTRIC CODE
NEO	NEOPRENE
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NS	NON-SLIP
NTS	NOT TO SCALE
O/A	OVERALL

O/H	OVERHEAD
O/O	OUT TO OUT
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFF	OFFICE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
PAN	PANTRY
PAR	PARALLEL
PAV	PAVEMENT
PB	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL, PEDESTRIAN
PERF	PERFORATE(D)
PERIM	PERIMETER
PERP	PERPENDICULAR
PKG	PARKING
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PRCST	PRE-CAST
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREP	PREPARATION
PROD	PRODUCTION
PROJ	PROJECT(OR), PROJECTION
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED, PAPER TOWEL DISPENSER
PTD/R	COMBO. PAPER TOWEL DISPENSER & RECEPTACLE
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PWR	POWER
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
QUAD	QUADRANT
R	RISER, RISE
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
RECPT	RECEPTION, RECEPTACLE
REF.	REFRIGERATOR
REF:	REFER TO, REFERENCE
REINF	REINFORCED
REPRO	REPRODUCE, REPRODUCTION
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISE, REVISION
REGTR	REGISTER
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RS	ROD & SHELF
RT	RIGHT
RWD	REDWOOD
RWL	RAIN WATER LEADER
S	SOUTH
S/S	STAINLESS STEEL
SAFB	SOUND ATTENUATING FIRE BLANKET
SAM	SELF-ADHERED MEMBRANE
SAN	SANITARY
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE(D)
SD	SMOKE DETECTOR
SECT	SECTION, SECTOR
SEP	SEPARATE, SEPARATION
SF	SQUARE FOOT (FEET), STOREFRONT
SGD	SLIDING GLASS DOOR
SGL	SINGLE
SH	SHELF, SINGLE HUNG
SHLVG	SHELVING
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SPEC	SPECIFICATION
SQ	SQUARE
SR	SHOWER ROD
SSK	SERVICE SINK
SST	STAINLESS STEEL
ST	STUCCO
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STK	OPEN STACKED SHELVING
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPEND(ED)
SV	SHEET VINYL
SVC	SERVICE
SW	SHEAR WALL
SYM	SYMETRICAL
SYS	SYSTEM
T	TREAD(S)
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TB	TOWEL BAR, TACK BOARD, THROUGH BOLT
TC	TOP OF CURB
TEL	TELEPHONE
TEMP	TEMPERED, TEMPERATURE
TER	TERRACE, TERRAZZO
THK	THICK
TLT	TOILET
TOC	TOP OF CONCRETE
TOP	TOP OF PLATE
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TPH	TOILET PAPER HOLDER
TRTD	TREATED
TS	TUBULAR STEEL
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UL	UNDERWRITERS LABORATORIES, INC.
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VAR	VARIES, VARIABLE, VARIOUS
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL

VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VP	VINYL PLANK
VWC	VINYL WALL COVERING
W	WEST, WIDE, WIDTH, WASHER
W/	WITH
W/D	WASHER / DRYER
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WGL	WIRED GLASS
WH	WATER HEATER
WI	WROUGHT IRON
WIC	WALK IN CLOSET
WP	WATERPROOF(ING)
WR	WATER RESISTANT, WASTE RECEPTACLE
WRB	WEATHER-RESISTANT BARRIER
WS	WEATHERSTRIPPING
WSCT	WAINSCOT
WT	WEIGHT
YD	YARD

GENERAL NOTES

1. A
2. B
3. C
4. D
5. E
6. F
7. G
8. H

DATUMS

Name
Elevation

ELEVATION LEVEL INDICATOR

A.88 A.88 A.88 A.88

REFERENCE COLUMN LINE GRID INDICATOR

VIEW MARKERS

SECTIONS

DRAWING NUMBER
REFERENCE TYPE (SIM, OH)
Ref
A5
A-301
DRAWING SHEET

BUILDING SECTION INDICATOR

Ref
A5
A-301

WALL SECTION INDICATOR

Ref
A5
A-301

DETAIL SECTION INDICATOR

ELEVATIONS

Ref — REFERENCE TYPE (SIM, OH)
1 — DRAWING NUMBER
A101 — DRAWING SHEET

EXTERIOR ELEVATION INDICATOR

88 — DRAWING NUMBER
88 A101 88 — DRAWING DIRECTION
88 — DRAWING SHEET

INTERIOR ELEVATION INDICATOR

CALLOUTS

DRAWING NUMBER
REFERENCE TYPE (SIM, OH)
Ref
A4
A-101a.1
VIEW EXTENTS
DRAWING SHEET

DETAIL CALLOUT INDICATOR

ITEM TAGS

AREAS

Name — AREA NAME
150 SF — AREA
Load occ — AREA OCCUPANT LOAD
AREA OLF (IF PRESENT)

ROOMS

Room name — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA (IF PRESENT)
Department — DEPARTMENT (IF PRESENT)

DOORS

101M — DOOR NUMBER: STANDARD

DOOR NUMBER
EXIT OCCUPANCY PROVIDED (IF PRESENT)
EXIT OCCUPANCY REQUIRED (IF PRESENT)
FIRE RATING (IF PRESENT)

WALL TYPE
2M3AR
INSULATION TYPE
HEIGHT / HEAD CONDITION
FIRE RATING (HRS)

WALL IDENTIFICATION TAG

CEILING TYPE
9'-8"
ACT1
ELEVATION ABOVE TOP OF SLAB ELEVATION

CEILING IDENTIFICATION TAG

L01 — FIXTURE TYPE

LIGHT FIXTURE IDENTIFICATION TAG

6" 12"
RISE PER 12" RUN

SLOPE TAG

LEGEND - LIFE SAFETY PLANS

PROPERTY LINE
ASSUMED PROPERTY LINE

DISTANCES

FSD: 24'-0" — FIRE SEPARATION DISTANCE
24'-0" — DISTANCE- COMMON PATH OF EGRESS TRAVEL
PATH DISTANCE
PATH NUMBER
Ex 24'-0" — DISTANCE- EGRESS ACCESS TRAVEL
24'-0" — DISTANCE- DEAD END
DISTANCE- MAXIMUM DIAGONAL OF THE BUILDING
MAX DIAGONAL DISTANCE: 24'-0"
EXIT SEPARATION REQUIRED: 12'-0"
DISTANCE- EXIT SEPARATION
EXIT SEPARATION: 24'-0"

BUILDING ELEMENTS

NON-RATED
EXISTING PARTITION TO REMAIN
TEMPORARY PARTITION
PROPOSED PARTITION

TAG	RATED	PROTECTION TYPE	OPENING RATING	
SP	0 HR	SMOKE PARTITION	NOT RATED	
1/2P	1/2 HR	FIRE PARTITION	20	MIN
1FB	1 HR	FIRE BARRIER	60	MIN
1FP		FIRE PARTITION	20	MIN CORRIDORS / 45 MIN OTHER
1SB		SMOKE BARRIER	20	MIN
1EX		EXTERIOR	45	MIN
2FW	2 HR	FIRE WALL	90	MIN
2FB		FIRE BARRIER	90	MIN
2EX		EXTERIOR	90	MIN
3FW	3 HR	FIRE WALL	180	MIN
3FB		FIRE BARRIER	180	MIN
3EX		EXTERIOR	90	MIN
4FW	4 HR	FIRE WALL	180	MIN
4FB		FIRE BARRIER	180	MIN

DOORS (REFER TO DOOR SCHEDULE FOR RATING)

UNRATED RATED
100 — OCCUPANTS EGRESSING
168 — DOOR CAPACITY
150 — PANIC HARDWARE
168 — DELAYED EGRESS LOCKS
D

STAIRS

ST1-#.# — STAIR RUN MARK
PRVD: 48" — STAIR CAPACITY
REQ: 47.8" — OCCUPANTS EGRESSING
UP

FIRE PROTECTION

FE — FIRE EXTINGUISHER
FEC — FIRE EXTINGUISHER CABINET
FHC — FIRE HOSE CABINET
FSR — FIRE STANDPIPE RISER
FDC — FIRE DEPARTMENT CONNECTION

AREA TAG

NAME — AREA NAME
1,234 SF — AREA SQUARE FOOTAGE
25 occ — OCCUPANT LOAD

A-1 — OCCUPANCY USE GROUP

II-A — TYPE OF CONSTRUCTION

GENERAL NOTES- LIFE SAFETY PLANS

1. FIRE RESISTANCE RATINGS SHOWN ARE MINIMUM RATINGS REQUIRED. REFER TO PARTITION TYPES ON A0.11, AND SPECIFICATIONS, FOR MORE INFORMATION
2. FIRE RESISTANCE RATINGS IN PARTITIONS ARE SHOWN WHERE PARTITIONS ARE NOT CUT BY DOORS, WINDOWS, STOREFRONTS, OR OTHER OBJECTS. RATED PARTITION MAY EXIST ABOVE OBJECTS.
3. THE LIFE SAFETY SHEETS ARE INTENDED TO BE VIEWED IN FULL COLOR/GREYSCALE VERSIONS MAY NOT CONTAIN FULL INFORMATION.

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hord | coplan | macht
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number:	224112.00
Drawn By:	Author
Checked By:	Checker

Drawing
PROJECT GENERAL INFORMATION

G-010

NOT FOR CONSTRUCTION

2024-08-29
SCHEMATIC DRAWINGS

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CODE INFORMATION

DESIGN PHASE
SCHEMATIC DESIGN

PROJECT NAME AND LOCATION
MACKLIN TOWER LIBRARY RENOVATION
MONTGOMERY COLLEGE
51 MANNAKEE STREET
ROCKVILLE, MD 20850

PROJECT DESCRIPTION
PROPOSED WORK COMPRISES OF A LEVEL 3 INTERIOR RENOVATION OF LEVELS 1, 2 AND 3 OF AN EXISTING BUILDING RESULTING IN NO CHANGE TO OCCUPANCY CLASSIFICATION. AS WELL AS ADDING A NEW AUTOMATIC SPRINKLER SYTEM TO THE RENOVATED LEVELS, (MAKING THE BUILDIGN FULLY SPRINKLERED) AND ADDING NEW MECHANICAL SYSTEMS ON THE ROOF OF LEVEL 3

EXISTING BUILDING STRUCTURE: 7-STORY CONCRETE FRAME STRUCTURE; FLOORS ARE FLAT SLABS WITH DROP PANELS.

EGRESS SYSTEMS: (2) EXISTING FULL-HEIGHT AND (2) EXISTING LEVEL G-3, TWO-HOUR RATED ENCLOSED FIRE STAIRS; PLUS EXISTING CENTRAL STAIRCASE OPEN ON LEVEL 1 SERVING LEVELS-3. THE PROPOSED WORK INCLUDES THE RECONFIGURATION OF THE CENTRAL STAIRCASE TO BE A STAIRWAY OPEN IN ALL THREE LEVELS AND MEET THE REQUIREMENTS OF AN ATRIUM. (IBC 404 & 1019.3)

APPLICABLE CODES AND STANDARDS

A. ACCESSIBILITY	MARYLAND ACCESSIBILITY CODE, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
B. BUILDING	2018 INTERNATIONAL BUILDING CODE (IBC) / IBC ER31-19 MONTGOMERY COUNTY BUILDING CODE CHAPTER 8 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2018 IGCC PUBLISHED
C. ELECTRICAL	MONTGOMERY COUNTY CODE CHAPTER 17 NFPA 70 (NATIONAL ELECTRIC CODE)
D. ENERGY	2018 NATIONAL ENERGY CONSERVATION CODE (IECC) 2012 INTERNATIONAL GREEN CONSTRUCTION CODE
E. FIRE PREVENTION	2015 NFPA FIRE CODE 2015 NFPA 101 LIFE SAFETY CODE
F. MECHANICAL	MONTGOMERY COUNTY CODE CHAPTER 8 2018 INTERNATIONAL MEHCANICAL CODE (IMC)

GENERAL BUILDING DATA

EXISTING BUILDING AREA:		RENOVATED BUILDING AREA:
LEVEL G -	25,954 SF	0
LEVEL 1 -	22,511 SF	18,814 SF
LEVEL 2 -	22,511 SF	14,705 SF
LEVEL 3 -	22,511 SF	22,511 SF
LEVEL 4 -	6,011 SF	0
LEVEL 5 -	6,011 SF	0
LEVEL 6 -	6,011 SF	0
TOTAL =	111,520 SF	56,030 SF

EXISTING BUILDING HEIGHT: 6 STORIES ABOVE GROUND LEVEL + GROUND LEVEL
ZONING: ---
PARKING: SURFACE LOT

CONSTRUCTION TYPE:
IBC (TABLE 601) TYPE IIA

BUILDING USE:
CURRENT USE GROUP: B - EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE (IBC 304.1)
PROPOSED USE GROUP: B - EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE (IBC 304.1)
A-3 - ASSEMBLY USE (IBC 303.4)

OCCUPANCY CLASSIFICATION: (IBC 1004.1.5, 508.2, 508.2.1 & 508.2.4)
MIXED USE, NON-SEPARATED
B-BUSINESS (PRIMARY) / A-3 ASSEMBLY (ACCESSORY) / MECHANICAL & STORAGE (ACCESSORY)

REQUIRED FIRE RESISTANCE RATINGS: (PER IBC TABLE 601, TABLE 602, TABLE 1020.1, 705.8, 713, & LSC 38.3.6)

STRUCTURAL FRAME:	1 HOUR
EXTERIOR BEARING WALLS:	1 HOUR
INTERIOR BEARING WALLS:	1 HOUR
INTERIOR NON-BEARING WALLS:	0 HOUR
FLOOR CONSTRUCTION:	1 HOUR
CORRIDOR WALLS:	0 HOUR
SHAFT ENCLOSURES:	1 HOUR
ROOF CONSTRUCTION:	1 HOUR

FIRE SUPRESSION SYSTEM:
BUILDING WILL BE FULLY SPRINKLERED. (IBC 903.3.1.1)
BUILDING WILL BE EQUIPPED WITH AUTOMATIC FIRE ALARM SYSTEM.
PROPOSED 3-STORY OPEN, CENTRAL STARIWAY/ATRIUM WILL BE EQUIPPED WITH AUTOMATIC SMOKE EVACUATION SYSTEM.

FIRE EXTINGUISHERS:

OCCUPANCY CLASSIFICATION:	BUSINESS
CLASSIFICATION OF HAZARD CONTENTS:	ORDINARY & LIGHT HAZARD OCCUPANCY
DESIGN OF SPRINKLER SYSTEMS:	--
MAX. DISTANCE OF TRAVEL TO EXTINGUISHER:	--

MEANS OF EGRESS:
EGRESS WIDTH (FULLY SPRINKLERED) (SECTION 1005.3.1 & 1005.3.2)

EGRESS WIDTH @ STAIRS:	0.2 INCHES / PERSON
EGRESS WIDTH @ DOORS:	0.15 INCHES / PERSON
MAX COMMON PATH OF TRAVEL:	100' (IBC TABLE 1006.2.1)
EXIT ACCESS TRAVEL DISTANCE:	300' MAX (IBC TABLE 1017.2)
MAX DEAD END CORRIDOR LENGTH:	50' MAX (IBC 1020.4)
MINIMUM CORRIDOR WIDTH:	44" (IBC TABLE 1020.2)
MINIMUM STAIR WIDTH:	44" (IBC 1024.2)
MINIMUM # EXISTS REQUIRED:	LEVEL 1: 3 & LEVEL 2 & 3: 2 (IBC TABLE 1006.3.2)
PANIC HARDWARE:	YES - OVER 49 OCCUPANTS

OCCUPANT LOADS & EGRESS CAPACITY @ DOORS & STAIRS:
LEVEL 1: 521 OCCUPANTS
LEVEL 2: 312 OCCUPANTS
LEVEL 3: 477 OCCUPANTS
1,310 TOTAL BUILDING OCCUPANTS (SEE PLANS)

LEVEL 1 = (521 OCC. X 0.15) = 78.2" REQUIRED EXIT DOORS #1, #2, #3, #4, #5, #6 & #7 = 466" PROVIDED
LEVEL 1 = (521 OCC. X 0.2) = 104.2" REQUIRED STAIRS 1ST1, 1ST2 & 1ST3 = 204" PROVIDED

LEVEL 2 = (312 OCC. X 0.15) = 46.8" REQUIRED EXIT DOORS #1, #2 & #3 = 194.5" PROVIDED
LEVEL 2 = (312 OCC. X 0.2) = 62.4" REQUIRED STAIRS 2ST1, 2ST2 & 2ST3 = 204" PROVIDED

LEVEL 2 = (477 OCC. X 0.15) = 71.6" REQUIRED EXIT DOORS #1, #2, #3 #4 & #5 = 262" PROVIDED
LEVEL 2 = (477 OCC. X 0.2) = 95.4" REQUIRED STAIRS 3ST1, 3ST2 & 3ST3 = 204" PROVIDED

INTERIOR FINISHES (IBC TABLE 803.5):

LOCATION	
EXITS & STAIRWAYS	B
EXIT ACCESS CORRIDORS	C
ROOMS / ENCLOSED SPACES	C

PLUMBING FIXTURE CALCULATION

LEVEL 1:

	OCCUPANTS	WC - M	WC - F	LAV - M	LAV - F	D-FOUNT
A-3	212	0.85	1.63	0.53	0.53	0.42
B	81	1.62	1.62	1.01	1.01	0.81
EDUCATIONAL	223	2.23	2.23	2.23	2.23	2.23
STORAGE/MECHANICAL	5	0.03	0.03	0.03	0.03	0.01
TOTAL	521	4.72	5.51	3.8	3.8	3.47
ROUNDED		**5**	**6**	**4**	**4**	**4**
PROVIDED		5	5	5	6	4

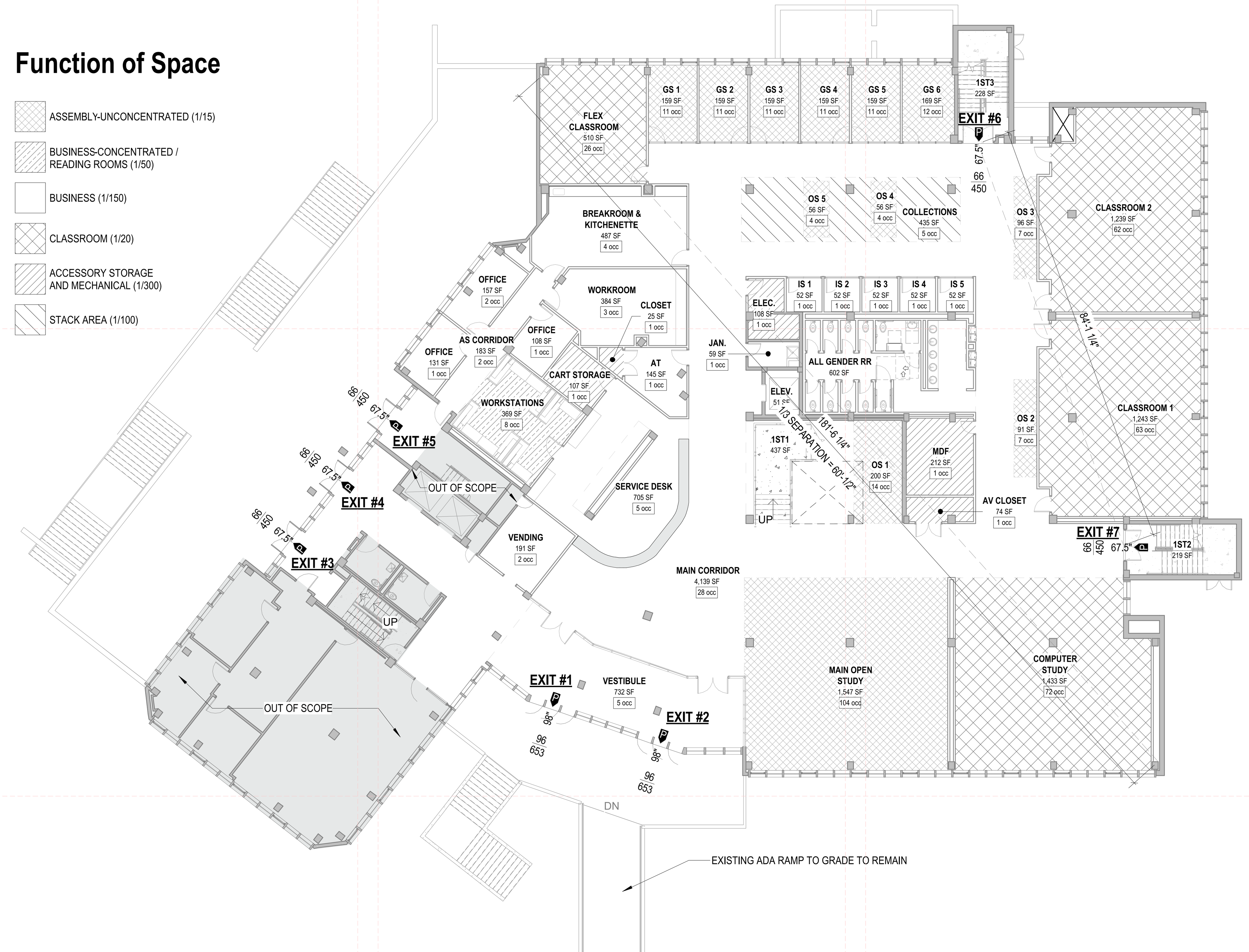
DEFICIENCY TO BE SATISFIED DURING DD PHASE

LEVEL 2:

	OCCUPANTS	WC - M	WC - F	LAV - M	LAV - F	D-FOUNT
A-3	239	0.96	1.84	0.6	0.6	0.48
B	69	1.38	1.38	0.86	0.86	0.86
STORAGE/MECHANICAL	4	0.02	0.02	0.02	0.02	0.00
TOTAL	312	2.36	3.24	1.48	1.48	1.17
ROUNDED		**3**	**4**	**2**	**2**	**2**
PROVIDED		4	4	3	3	2

LEVEL 3:

	OCCUPANTS	WC - M	WC - F	LAV - M	LAV - F	D-FOUNT
A-3	371	1.48	2.85	0.93	0.93	0.74
B	96	1.92	1.92	1.2	1.2	0.96
STORAGE/MECHANICAL	10	0.05	0.05	0.05	0.05	0.01
TOTAL	477	3.45	4.82	2.18	2.18	1.71
ROUNDED		**4**	**5**	**3**	**3**	**2**
PROVIDED		5	5	4	4	2



GENERAL NOTES

1) EXIT STAIRS ARE EXISTING TO REMAIN AND DOOR LOCATIONS ARE NOT BEING MODIFIED; THEREFORE, IEBC ALLOWS EXIT REMOTENESS TO BE GREATER THAN THE 1/3 THE LENGTH OF THE DIAGONAL OF THE BUILDING. (IEBC SECTION 805.2 EXCEPTION 2)

A4 LIFE SAFETY PLAN- LEVEL 01
GL101 1/16" = 1'-0"

LIFE SAFETY-OCCUPANCY - LEVEL 1

NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCC. LOAD
OS 3	96 SF	ASM. UNCONC.	15 SF - NET	7
OS 2	91 SF	ASM. UNCONC.	15 SF - NET	7
GS 5	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 4	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 3	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 2	159 SF	ASM. UNCONC.	15 SF - NET	11
GS 1	159 SF	ASM. UNCONC.	15 SF - NET	11
OS 5	56 SF	ASM. UNCONC.	15 SF - NET	4
OS 4	56 SF	ASM. UNCONC.	15 SF - NET	4
MAIN OPEN STUDY	1,547 SF	ASM. UNCONC.	15 SF - NET	104
OS 1	200 SF	ASM. UNCONC.	15 SF - NET	14
GS 6	169 SF	ASM. UNCONC.	15 SF - NET	12
WORKSTATIONS	369 SF	BIZ. CONC.	50 SF - GROSS	8
BREAKROOM & KITCHENETTE	487 SF	BUSINESS	150 SF - GROSS	4
WORKROOM	384 SF	BUSINESS	150 SF - GROSS	3
IS 5	52 SF	BUSINESS	150 SF - GROSS	1
IS 4	52 SF	BUSINESS	150 SF - GROSS	1
IS 3	52 SF	BUSINESS	150 SF - GROSS	1
IS 2	52 SF	BUSINESS	150 SF - GROSS	1
AT	145 SF	BUSINESS	150 SF - GROSS	1
OFFICE	131 SF	BUSINESS	150 SF - GROSS	1
SERVICE DESK	705 SF	BUSINESS	150 SF - GROSS	5
VENDING	191 SF	BUSINESS	150 SF - GROSS	2
JAN.	59 SF	BUSINESS	150 SF - GROSS	1
OFFICE	157 SF	BUSINESS	150 SF - GROSS	2
OFFICE	108 SF	BUSINESS	150 SF - GROSS	1
VESTIBULE	732 SF	BUSINESS	150 SF - GROSS	5
ALL GENDER RR	602 SF	BUSINESS	150 SF - GROSS	5
IS 1	52 SF	BUSINESS	150 SF - GROSS	1
1ST1	437 SF	BUSINESS	150 SF - GROSS	3
MAIN CORRIDOR	4,139 SF	BUSINESS	150 SF - GROSS	28
ELEV.	51 SF	BUSINESS	150 SF - GROSS	1
AS CORRIDOR	183 SF	BUSINESS	150 SF - GROSS	2
1ST3	228 SF	BUSINESS	150 SF - GROSS	2
1ST2	219 SF	BUSINESS	150 SF - GROSS	2
CLASSROOM 1	1,243 SF	CLASS RM.	20 SF - NET	63
CLASSROOM 2	1,239 SF	CLASS RM.	20 SF - NET	62
FLEX CLASSROOM	510 SF	CLASS RM.	20 SF - NET	26
COMPUTER STUDY	1,433 SF	CLASS RM.	20 SF - NET	72
CART STORAGE	107 SF	MECH.	300 SF - GROSS	1
ELEC.	108 SF	MECH.	300 SF - GROSS	1
MDF	212 SF	MECH.	300 SF - GROSS	1
CLOSET	25 SF	MECH.	300 SF - GROSS	1
AV CLOSET	74 SF	MECH.	300 SF - GROSS	1
COLLECTIONS	435 SF	STACKS	100 SF - GROSS	5
	17,981 SF			521
	17,981 SF			521

PLUMBING FIXTURE CALCULATION

LEVEL 1:

	OCCUPANTS	WC - M	WC - F	LAV - M	LAV - F	D-FOUNT
A-3	212	0.85	1.63	0.53	0.53	0.42
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ROUNDED		**5**	**6**	**4**	**4**	**4**
PROVIDED		5	5	5	6	4

DEFICIENCY TO BE SATISFIED DURING DD PHASE

TRUE NORTH PROJECT NORTH

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LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
LIFE SAFETY PLAN- LEVEL 01

GL101

NOT FOR CONSTRUCTION

2024-08-29
SCHEMATIC DRAWINGS

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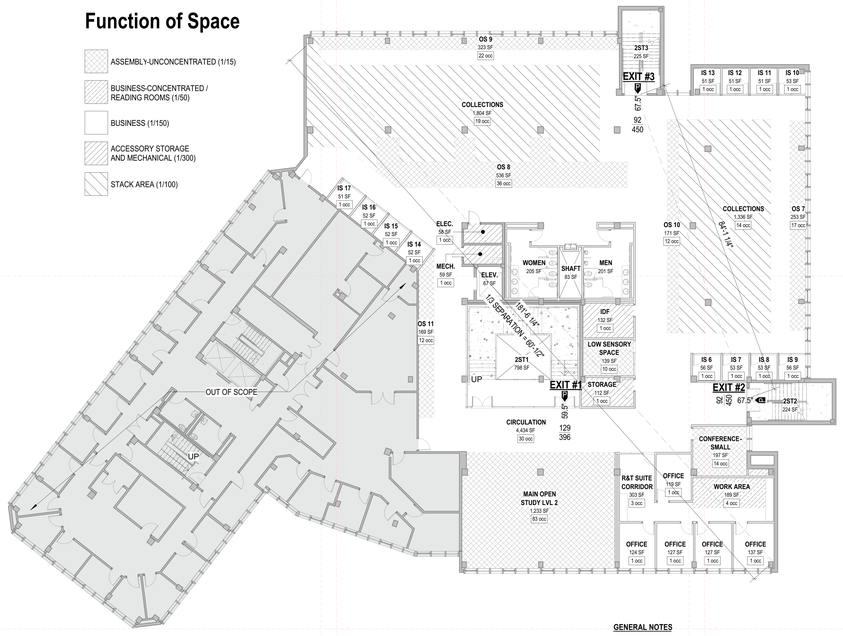
Function of Space

- ASSEMBLY-UNCONCENTRATED (1/15)
- BUSINESS-CONCENTRATED / READING ROOMS (1/50)
- BUSINESS (1/150)
- ACCESSORY STORAGE AND MECHANICAL (1/300)
- STACK AREA (1/100)



GENERAL NOTES

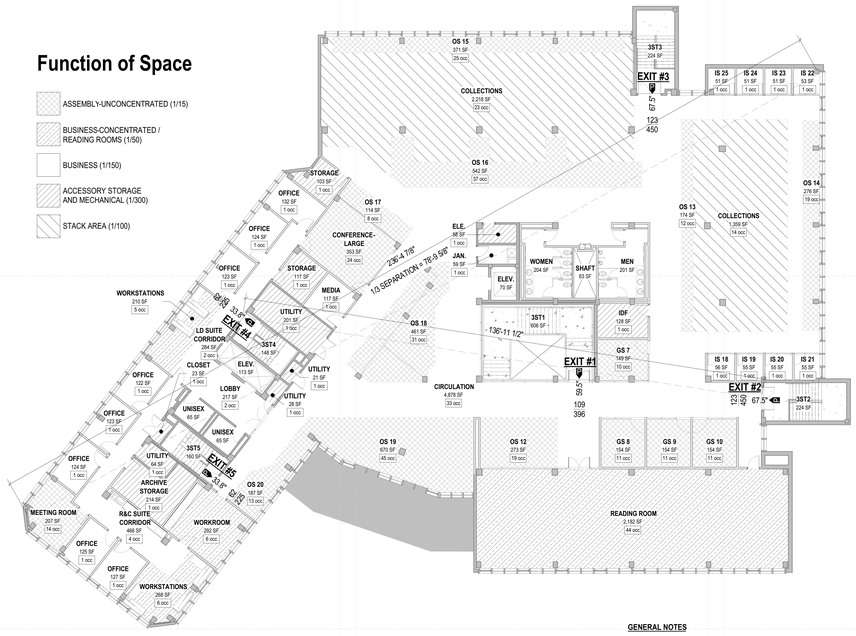
1) EXIT STAIRS ARE EXISTING TO REMAIN AND DOOR LOCATIONS ARE NOT BEING MODIFIED; THEREFORE, IEBC ALLOWS EXIT REMOTENESS TO BE GREATER THAN THE 1/3 THE LENGTH OF THE DIAGONAL OF THE BUILDING. (IEBC SECTION 805.2 EXCEPTION 2)

A1 LIFE SAFETY PLAN- LEVEL 02

GL102 | 1/16" = 1'-0"

Function of Space

- ASSEMBLY-UNCONCENTRATED (1/15)
- BUSINESS-CONCENTRATED / READING ROOMS (1/50)
- BUSINESS (1/150)
- ACCESSORY STORAGE AND MECHANICAL (1/300)
- STACK AREA (1/100)



GENERAL NOTES

1) EXIT STAIRS ARE EXISTING TO REMAIN AND DOOR LOCATIONS ARE NOT BEING MODIFIED; THEREFORE, IEBC ALLOWS EXIT REMOTENESS TO BE GREATER THAN THE 1/3 THE LENGTH OF THE DIAGONAL OF THE BUILDING. (IEBC SECTION 805.2 EXCEPTION 2)

A4 LIFE SAFETY PLAN- LEVEL 03

GL102 | 1/16" = 1'-0"

LIFE SAFETY-OCCUPANCY - LEVEL 2

NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCC. LOAD
SHAFT	83 SF			
OS 7	253 SF	ASM. UNCONC.	15 SF - NET	17
OS 10	171 SF	ASM. UNCONC.	15 SF - NET	12
OS 8	536 SF	ASM. UNCONC.	15 SF - NET	36
OS 11	169 SF	ASM. UNCONC.	15 SF - NET	12
MAIN OPEN STUDY LVL 2	1,233 SF	ASM. UNCONC.	15 SF - NET	83
CONFERENCE - SMALL	197 SF	ASM. UNCONC.	15 SF - NET	14
LOW SENSORY SPACE	139 SF	ASM. UNCONC.	15 SF - NET	10
OS 9	323 SF	ASM. UNCONC.	15 SF - NET	22
WORK AREA	189 SF	BIZ. CONC.	50 SF - GROSS	4
IS 17	51 SF	BUSINESS	150 SF - GROSS	1
IS 16	52 SF	BUSINESS	150 SF - GROSS	1
IS 15	52 SF	BUSINESS	150 SF - GROSS	1
IS 14	52 SF	BUSINESS	150 SF - GROSS	1
OFFICE	119 SF	BUSINESS	150 SF - GROSS	1
OFFICE	127 SF	BUSINESS	150 SF - GROSS	1
OFFICE	127 SF	BUSINESS	150 SF - GROSS	1
OFFICE	137 SF	BUSINESS	150 SF - GROSS	1
IS 8	53 SF	BUSINESS	150 SF - GROSS	1
IS 7	53 SF	BUSINESS	150 SF - GROSS	1
IS 6	56 SF	BUSINESS	150 SF - GROSS	1
IS 10	53 SF	BUSINESS	150 SF - GROSS	1
IS 11	51 SF	BUSINESS	150 SF - GROSS	1
IS 12	51 SF	BUSINESS	150 SF - GROSS	1
IS 13	51 SF	BUSINESS	150 SF - GROSS	1
MEN	201 SF	BUSINESS	150 SF - GROSS	2
WOMEN	205 SF	BUSINESS	150 SF - GROSS	2
ELEV.	67 SF	BUSINESS	150 SF - GROSS	1
IS 9	56 SF	BUSINESS	150 SF - GROSS	1
R&T SUITE CORRIDOR	303 SF	BUSINESS	150 SF - GROSS	3
CIRCULATION	4,434 SF	BUSINESS	150 SF - GROSS	30
2ST1	798 SF	BUSINESS	150 SF - GROSS	6
OFFICE	124 SF	BUSINESS	150 SF - GROSS	1
2ST2	224 SF	BUSINESS	150 SF - GROSS	2
2ST3	225 SF	BUSINESS	150 SF - GROSS	2
ELEC.	58 SF	MECH.	300 SF - GROSS	1
MECH.	59 SF	MECH.	300 SF - GROSS	1
IDF	132 SF	MECH.	300 SF - GROSS	1
STORAGE	112 SF	MECH.	300 SF - GROSS	1
COLLECTIONS	1,336 SF	STACKS	100 SF - GROSS	14
COLLECTIONS	1,804 SF	STACKS	100 SF - GROSS	19
	14,514 SF			312
	14,514 SF			312

PLUMBING FIXTURE CALCULATION

LEVEL 2:

	OCCUPANTS	WC - M	WC - F	LAV - M	LAV - F	D-FOUNT
A-3	239	0.96	1.84	0.6	0.6	0.48
B	69	1.38	1.38	0.86	0.86	0.86
STORAGE/MECHANICAL	4	0.02	0.02	0.02	0.02	0.00
TOTAL	312	2.36	3.24	1.48	1.48	1.17
ROUNDED		**3**	**4**	**2**	**2**	**2**
PROVIDED		4	4	3	3	2

LIFE SAFETY-OCCUPANCY - LEVEL 3

NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCC. LOAD
SHAFT	83 SF			
OS 14	276 SF	ASM. UNCONC.	15 SF - NET	19
OS 13	174 SF	ASM. UNCONC.	15 SF - NET	12
OS 16	542 SF	ASM. UNCONC.	15 SF - NET	37
OS 15	371 SF	ASM. UNCONC.	15 SF - NET	25
OS 18	461 SF	ASM. UNCONC.	15 SF - NET	31
CONFERENCE - LARGE	353 SF	ASM. UNCONC.	15 SF - NET	24
OS 17	114 SF	ASM. UNCONC.	15 SF - NET	8
GS 7	149 SF	ASM. UNCONC.	15 SF - NET	10
GS 10	154 SF	ASM. UNCONC.	15 SF - NET	11
GS 9	154 SF	ASM. UNCONC.	15 SF - NET	11
GS 8	154 SF	ASM. UNCONC.	15 SF - NET	11
OS 12	273 SF	ASM. UNCONC.	15 SF - NET	19
OS 19	670 SF	ASM. UNCONC.	15 SF - NET	45
OS 20	187 SF	ASM. UNCONC.	15 SF - NET	13
MEETING ROOM	207 SF	ASM. UNCONC.	15 SF - NET	14
READING ROOM	2,182 SF	BIZ. CONC.	50 SF - GROSS	44
WORKROOM	292 SF	BIZ. CONC.	50 SF - GROSS	6
WORKSTATIONS	210 SF	BIZ. CONC.	50 SF - GROSS	5
WORKSTATIONS	268 SF	BIZ. CONC.	50 SF - GROSS	6
MEN	201 SF	BUSINESS	150 SF - GROSS	2
JAN.	59 SF	BUSINESS	150 SF - GROSS	1
ELEV.	70 SF	BUSINESS	150 SF - GROSS	1
IS 20	55 SF	BUSINESS	150 SF - GROSS	1
IS 19	55 SF	BUSINESS	150 SF - GROSS	1
IS 18	56 SF	BUSINESS	150 SF - GROSS	1
OFFICE	124 SF	BUSINESS	150 SF - GROSS	1
OFFICE	123 SF	BUSINESS	150 SF - GROSS	1
IS 25	51 SF	BUSINESS	150 SF - GROSS	1
IS 24	51 SF	BUSINESS	150 SF - GROSS	1
IS 23	51 SF	BUSINESS	150 SF - GROSS	1
IS 22	53 SF	BUSINESS	150 SF - GROSS	1
OFFICE	122 SF	BUSINESS	150 SF - GROSS	1
3ST5	160 SF	BUSINESS	150 SF - GROSS	2
ELEV.	113 SF	BUSINESS	150 SF - GROSS	1
3ST4	148 SF	BUSINESS	150 SF - GROSS	1
OFFICE	132 SF	BUSINESS	150 SF - GROSS	1
IS 21	55 SF	BUSINESS	150 SF - GROSS	1
UNISEX	65 SF	BUSINESS	150 SF - GROSS	1
UNISEX	65 SF	BUSINESS	150 SF - GROSS	1
MEDIA	117 SF	BUSINESS	150 SF - GROSS	1
3ST1	606 SF	BUSINESS	150 SF - GROSS	5
WOMEN	204 SF	BUSINESS	150 SF - GROSS	2
OFFICE	127 SF	BUSINESS	150 SF - GROSS	1
OFFICE	125 SF	BUSINESS	150 SF - GROSS	1
R&C SUITE CORRIDOR	466 SF	BUSINESS	150 SF - GROSS	4
LOBBY	217 SF	BUSINESS	150 SF - GROSS	2
OFFICE	123 SF	BUSINESS	150 SF - GROSS	1
OFFICE	124 SF	BUSINESS	150 SF - GROSS	1
CIRCULATION	4,878 SF	BUSINESS	150 SF - GROSS	33
LD SUITE CORRIDOR	284 SF	BUSINESS	150 SF - GROSS	2
3ST3	224 SF	BUSINESS	150 SF - GROSS	2
3ST2	224 SF	BUSINESS	150 SF - GROSS	2
CLOSET	23 SF	MECH.	300 SF - GROSS	1
UTILITY	21 SF	MECH.	300 SF - GROSS	1
STORAGE	103 SF	MECH.	300 SF - GROSS	1
UTILITY	64 SF	MECH.	300 SF - GROSS	1
UTILITY	201 SF	MECH.	300 SF - GROSS	1
ELE.	58 SF	MECH.	300 SF - GROSS	1
UTILITY	28 SF	MECH.	300 SF - GROSS	1
IDF	128 SF	MECH.	300 SF - GROSS	1
ARCHIVE STORAGE	214 SF	MECH.	300 SF - GROSS	1
STORAGE	117 SF	MECH.	300 SF - GROSS	1
COLLECTIONS	1,359 SF	STACKS	100 SF - GROSS	14
COLLECTIONS	2,218 SF	STACKS	100 SF - GROSS	23
	21,339 SF			477
	21,339 SF			477

PLUMBING FIXTURE CALCULATION

LEVEL 3:

	OCCUPANTS	WC - M	WC - F	LAV - M	LAV - F	D-FOUNT
A-3	371	1.48	2.85	0.93	0.93	0.74
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TOTAL	477	3.45	4.82	2.18	2.18	1.71
ROUNDED		**4**	**5**	**3**	**3**	**2**
PROVIDED		5	5	4	4	2

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME | ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
LIFE SAFETY PLAN- LEVEL 02 & 03

GL102

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2024-08-29
SCHEMATIC DRAWINGS

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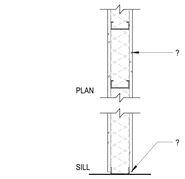
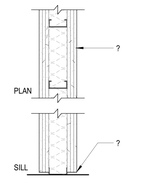


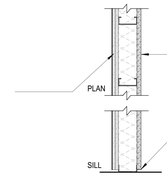
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mnn2	2-1/2"	3-3/4"	U433
Mnn3	3-5/8"	4-7/8"	U433
Mnn6	6"	7-1/4"	U433
Mnn8	8"	9-1/4"	U433
Mnn10	10"	11-1/4"	U433
Mnn12	12"	13-1/4"	U433

PARTITION TYPE- Mnn_



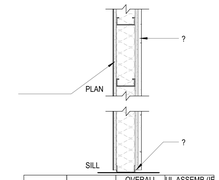
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mcc2	2-1/2"	6 1/4"	U419
Mcc3	3-5/8"	7-3/8"	U419
Mcc6	6"	9-3/4"	U419
Mcc8	8"	11-3/4"	U419
Mcc10	10"	13-3/4"	U419
Mcc12	12"	15-3/4"	U419

PARTITION TYPE- Mcc_



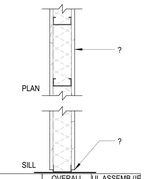
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mbg2	2-1/2"	4-1/2"	---
Mbg3	3-5/8"	5-5/8"	---
Mbg4	4"	6"	---
Mbg6	6"	8"	---
Mbg8	8"	10"	---
Mbg10	10"	12"	---
Mbg12	12"	14"	---

PARTITION TYPE- Mbg



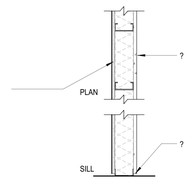
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mao1	1-5/8"	3-1/2"	---
Mao2	2-1/2"	4-3/8"	---
Mao3	3-5/8"	5-1/2"	U419
Mao4	4"	5-7/8"	U419
Mao6	6"	7-7/8"	U419
Mao8	8"	9-7/8"	U419
Mao10	10"	11-7/8"	U419
Mao12	12"	13-7/8"	U419

PARTITION TYPE- Mao_



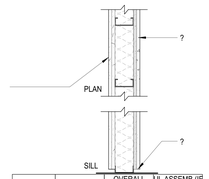
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Maa1	1-5/8"	2-7/8"	---
Maa2	2-1/2"	3-3/4"	---
Maa3	3-5/8"	4-7/8"	U419
Maa4	4"	5-1/4"	U419
Maa6	6"	7-1/4"	U419
Maa8	8"	9-1/4"	U419
Maa10	10"	11-1/4"	U419
Maa12	12"	13-1/4"	U419

PARTITION TYPE- Maa_



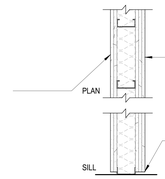
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Man2	2-1/2"	3-3/4"	---
Man3	3-5/8"	4-7/8"	U433
Man6	6"	7-1/4"	U433
Man8	8"	9-1/4"	U433
Man10	10"	11-1/4"	U433
Man12	12"	13-1/4"	U433

PARTITION TYPE- Man_



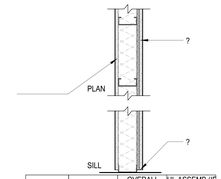
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mbo1	1-5/8"	4-1/8"	---
Mbo2	2-1/2"	5"	---
Mbo3	3-5/8"	6-1/8"	U419
Mbo4	4"	6-1/2"	U419
Mbo6	6"	8-1/2"	U419
Mbo8	8"	10-1/2"	U419
Mbo10	10"	12-1/2"	U419
Mbo12	12"	14-1/2"	U419

PARTITION TYPE- Mbo_



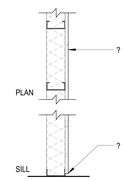
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mbc2	2-1/2"	5 5/8"	U419
Mbc3	3-5/8"	6-3/4"	U419
Mbc6	6"	9-1/8"	U419
Mbc8	8"	11-1/8"	U419
Mbc10	10"	13-1/8"	U419
Mbc12	12"	15-1/8"	U419

PARTITION TYPE- Mbc_



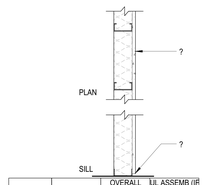
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Maj1	1-5/8"	3-3/8"	---
Maj2	2-1/2"	4-1/4"	---
Maj3	3-5/8"	5-3/8"	U419
Maj4	4"	5-3/4"	U419
Maj6	6"	7-3/4"	U419
Maj8	8"	9-3/4"	U419
Maj10	10"	11-3/4"	U419
Maj12	12"	13-3/4"	U419

PARTITION TYPE- Maj_



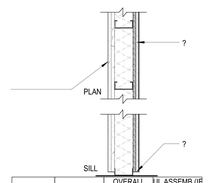
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Ma0	7/8"	1-1/2"	---
Ma2	2-1/2"	3-1/8"	---
Ma3	3-5/8"	4-1/4"	---
Ma6	6"	6-5/8"	---
Ma8	8"	8-5/8"	---
Ma10	10"	10-5/8"	---
Ma12	12"	12-5/8"	---

PARTITION TYPE- Ma_



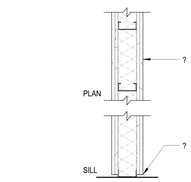
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mn0	7/8"	1-1/2"	---
Mn1	1-5/8"	2-1/4"	---
Mn2	2-1/2"	3-1/8"	---
Mn3	3-5/8"	4-1/4"	---
Mn6	6"	6-5/8"	---
Mn8	8"	8-5/8"	---
Mn10	10"	10-5/8"	---
Mn12	12"	12-5/8"	---

PARTITION TYPE- Mn_



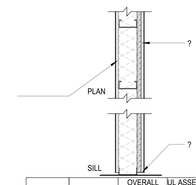
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mbj1	1-1/2"	4"	---
Mbj2	2-1/2"	4-7/8"	---
Mbj3	3-5/8"	6"	U419
Mbj4	4"	6-3/8"	U419
Mbj6	6"	8-3/8"	U419
Mbj8	8"	10-3/8"	U419
Mbj10	10"	12-3/8"	U419
Mbj12	12"	14-3/8"	U419

PARTITION TYPE- Mbj_



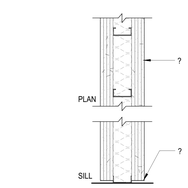
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mbb2	2-1/2"	5"	U419
Mbb3	3-5/8"	6-1/8"	U419
Mbb6	6"	8-1/2"	U419
Mbb8	8"	10-1/2"	U419
Mbb10	10"	12-1/2"	U419
Mbb10	12"	14-1/2"	U419

PARTITION TYPE- Mbb_



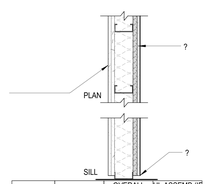
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mai1	1-5/8"	3-5/8"	---
Mai2	2-1/2"	4-1/2"	---
Mai3	3-5/8"	5-5/8"	U419
Mai4	4"	6"	U419
Mai6	6"	8"	U419
Mai8	8"	10"	U419
Mai10	10"	12"	U419
Mai12	12"	14"	U419

PARTITION TYPE- Mai_



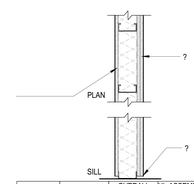
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mdd2	2-1/2"	7-1/2"	U419
Mdd3	3-5/8"	8-5/8"	U419
Mdd6	6"	11"	U419
Mdd8	8"	13"	U419
Mdd10	10"	15"	U419
Mdd12	12"	17"	U419

PARTITION TYPE- Mdd_



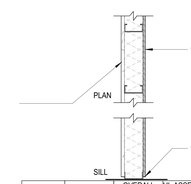
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mbi1	1-1/2"	4-1/4"	---
Mbi2	2-1/2"	5-1/8"	---
Mbi3	3-5/8"	6-1/4"	U419
Mbi4	4"	6-5/8"	U419
Mbi6	6"	8-5/8"	U419
Mbi8	8"	10-5/8"	U419
Mbi10	10"	12-5/8"	U419
Mbi12	12"	14-5/8"	U419

PARTITION TYPE- Mbi_



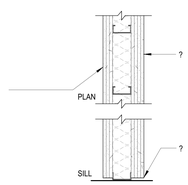
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mab1	1-5/8"	3-1/2"	---
Mab2	2-1/2"	4-3/8"	---
Mab3	3-5/8"	5-1/2"	U419
Mab4	4"	5-7/8"	U419
Mab6	6"	7-7/8"	U419
Mab8	8"	9-7/8"	U419
Mab10	10"	7-7/8"	U419
Mab12	12"	9-7/8"	U419

PARTITION TYPE- Mab_



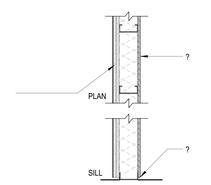
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mah1	1-5/8"	2-3/4"	---
Mah2	2-1/2"	3-5/8"	---
Mah3	3-5/8"	4-3/4"	U419
Mah4	4"	5-1/8"	U419
Mah6	6"	7-1/8"	U419
Mah8	8"	9-1/8"	U419
Mah10	10"	11-1/8"	U419
Mah12	12"	13-1/8"	U419

PARTITION TYPE- Mah_



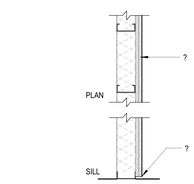
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mcd2	2-1/2"	6 7/8"	U419
Mcd3	3-5/8"	8"	U419
Mcd6	6"	10-3/8"	U419
Mcd8	8"	12-3/8"	U419
Mcd10	10"	14-3/8"	U419
Mcd12	12"	16-3/8"	U419

PARTITION TYPE- Mcd_



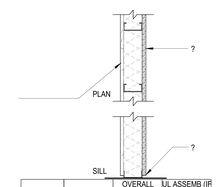
TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mbh2	2-1/2"	4-1/4"	---
Mbh3	3-5/8"	5-3/8"	---
Mbh4	4"	5-3/4"	---
Mbh6	6"	7-3/4"	---
Mbh8	8"	9-3/4"	---
Mbh10	10"	11-3/4"	---
Mbh12	12"	13-3/4"	---

PARTITION TYPE- Mbh



TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mb2	2-1/2"	3-3/4"	---
Mb3	3-5/8"	4-7/8"	---
Mb6	6"	7-1/4"	---
Mb8	8"	9-1/4"	---
Mb10	10"	11-1/4"	---
Mb12	12"	13-1/4"	---

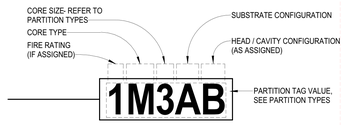
PARTITION TYPE- Mb_



TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Mag1	1-5/8"	3"	---
Mag2	2-1/2"	3-7/8"	---
Mag3	3-5/8"	5"	---
Mag4	4"	5-3/8"	---
Mag6	6"	7-3/8"	---
Mag8	8"	9-3/8"	---
Mag10	10"	11-3/8"	---
Mag12	12"	13-3/8"	---

PARTITION TYPE- Mag_

PARTITION TYPE LEGEND



CORE TYPES

C. CAST IN PLACE CONCRETE

G. CONCRETE MASONRY UNIT (GROUTED SOLID)
H. CONCRETE MASONRY UNIT (HOLLOW)

M. METAL STUD FRAMING / METAL FURRING
MM. METAL STUD FRAMING (2 ROWS, PARALLEL WITH PRESCRIBED AIR GAP BETWEEN)

S. METAL SHAFT WALL CH STUD

T. TILT-UP CONCRETE PANEL

W. WOOD STUD FRAMING / WOOD FURRING
WW. WOOD STUD FRAMING (2 ROWS, PARALLEL WITH PRESCRIBED AIR GAP BETWEEN)

SUBSTRATE CONFIGURATIONS

A. 5/8" GWB (1 LAYER), 5/8" GWB (1 LAYER)
B. 5/8" GWB (1 LAYER), 5/8" GWB (2 LAYER)
C. 5/8" GWB (2 LAYER), 5/8" GWB (2 LAYER)
D. 5/8" GWB (2 LAYER), 5/8" GWB (3 LAYER)
E. 5/8" GWB (3 LAYER), 5/8" GWB (3 LAYER)

F. 5/8" GWB (1 LAYER)
G. 5/8" GWB (2 LAYER)
H. 5/8" GWB (3 LAYER)

J. 5/8" GWB (1 LAYER), 3/4" PLYWD (1 LAYER)
K. 5/8" GWB (1 LAYER), 1/2" PLYWD (1 LAYER)
L. 1/2" GWB (1 LAYER), 3/4" PLYWD (1 LAYER) + 5/8" GWB (1 LAYER)
M. 1/2" GWB (1 LAYER), 1/2" PLYWD (1 LAYER) + 5/8" GWB (1 LAYER)

N. 5/8" GWB (1 LAYER), 1/2" RESILIENT CHANNEL, 5/8" GWB (1 LAYER)

P.
Q.
R.

S. 1" SHAFT LINER (1 LAYER), 5/8" GWB (1 LAYER)
T. 1" SHAFT LINER (1 LAYER), 5/8" GWB (2 LAYER)
U. 1" SHAFT LINER (1 LAYER), 5/8" GWB (3 LAYER)

V.
W.
X.
Y.
Z.

(None) CORE ONLY

HEAD / CAVITY TYPES

	HEAD	CAVITY
A.	ABOVE CEILING	NONE
B.	ABOVE CEILING	INSULATION
C.	TO CEILING	NONE
D.	TO CEILING	INSULATION
E.	EXPANSION	NONE
F.	EXPANSION	INSULATION
G.		
H.		
J.		
K.		
L.	TO STRUCTURE	LEAD BATTEN STRIPS
M.		
N.	PARTIAL, HIGH	NONE
P.	PARTIAL, LOW	NONE
Q.		
R.		
S.	TO STRUCTURE	NONE
T.	TO STRUCTURE	INSULATION
U.		
V.		
W.		
X.	ABOVE CEILING/TO STRUCTURE	NONE
Y.		
Z.		

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
PARTITION TYPES - METAL STUD

A-012

NOT FOR CONSTRUCTION

2024-08-29
SCHEMATIC DRAWINGS

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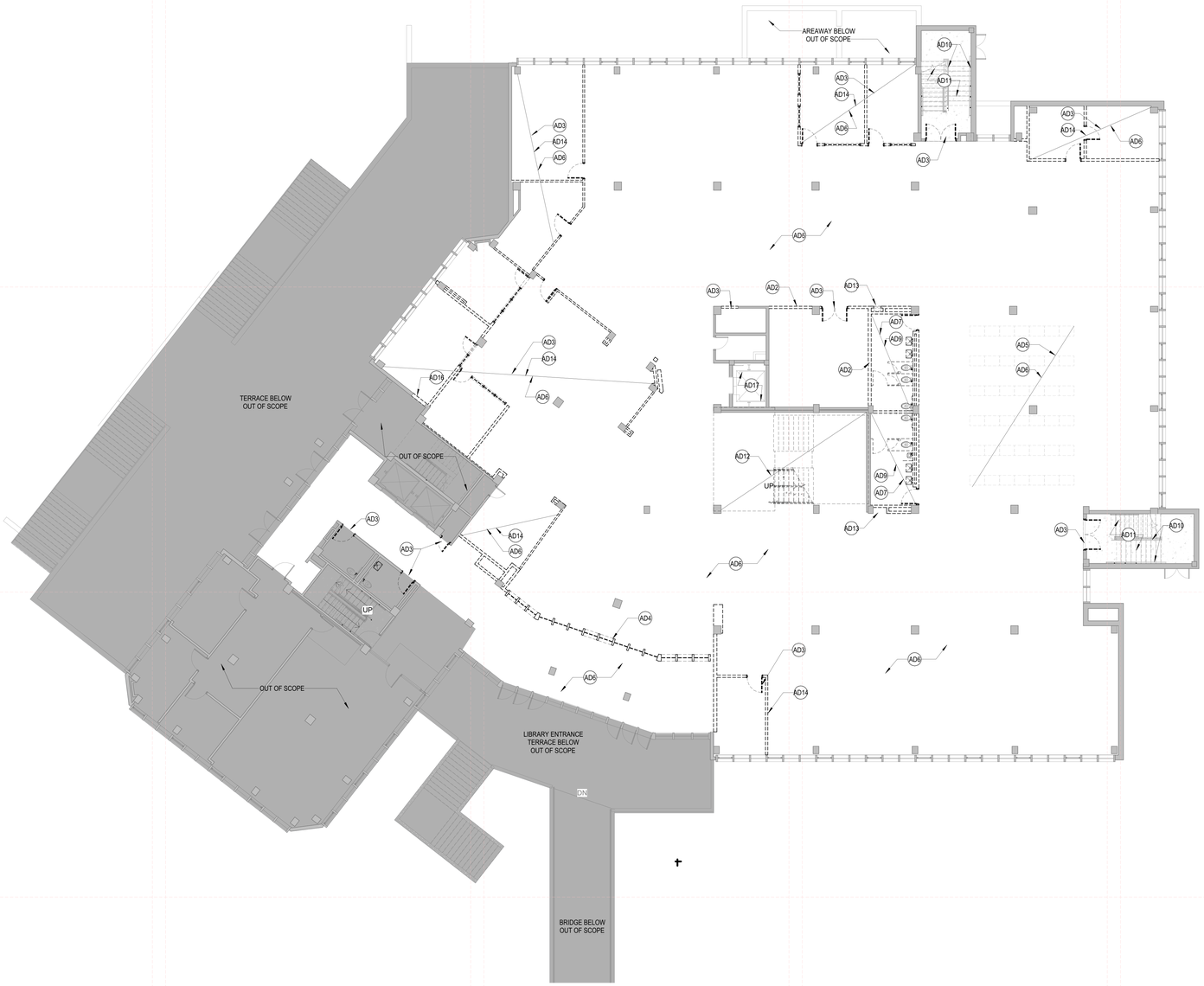

A1 DEMOLITION PLAN- LEVEL 01

AD101 3/32" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE SCHEDULING ALL WORK WITH OWNER.
2. WORK LABELED [NIC], OR OTHERWISE NOT NOTED IS NOT IN CONTRACT FOR ANY ARCHITECTURAL IMPROVEMENTS.
3. THE GENERAL CONTRACTOR & THEIR SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WITH CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS AND SHALL REPORT ANY DEVIATIONS, DISCREPANCIES AND/OR CONFLICTS TO ARCHITECT.
4. THE GENERAL CONTRACTOR & SUBCONTRACTOR SHALL TAKE EXTREME CARE DURING DEMOLITION NOT TO DAMAGE OR DISTURB ANY EXISTING CONDITIONS THAT ARE TO REMAIN. GENERAL CONTRACTOR OR SUBCONTRACTOR SHALL REPAIR ANY DAMAGE OR DISTURBANCE TO EXISTING CONDITIONS AT NO COST TO THE OWNER.
5. PROVIDE PROTECTION FOR FLOORS, WALLS, & CEILING AT ALL EXISTING CONDITIONS TO REMAIN, INCLUDING TRAFFIC AREA FOR DEMOLITION REMOVAL IN COMMON BUILDING AREAS & FREIGHT ELEVATORS. DAMAGED FLOORS WILL BE REPLACED @ NO COST TO OWNER.
6. REMOVE ALL WALLS, DOORS [AND OTHER ITEMS] SHOWN DASHED FIELD VERIFY CONSTRUCTION OF ALL WALLS TO BE REMOVED PROVIDE SHORING AND BRACING AS REQUIRED.
7. ALL ITEMS WITHIN WALLS TO BE REMOVED ARE NOT SHOWN FIELD VERIFY EXISTING CONDITIONS AND TEMPORARILY OR PERMANENTLY REMOVE ITEMS AS NECESSARY FOR NEW CONSTRUCTION.
8. REMOVE ALL EXISTING POWER AND ASSOCIATED CONDUIT AND OTHER MISCELLANEOUS ITEMS WHERE INDICATED ON EXISTING WALLS TO BE REUSED IF REMOVAL WILL DISRUPT PERFORMANCE OF ANY ITEM NOT INCLUDED IN THIS SCOPE. RELOCATE AND ENSURE PROPER FUNCTION IS RESTORED.
9. GENERAL CONTRACTOR TO COORDINATE ABATEMENT CONSULTANT FOR ANY CONTAMINATED MATERIALS TO BE REMOVED BEFORE WORK TO BEGIN IN THIS AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE REMOVAL OF HAZARDOUS MATERIALS AS REQUIRED TO COMPLETE THE NEW WORK, AND SHALL COORDINATE THESE ACTIVITIES WITH THE OWNER'S REPRESENTATIVE.
10. COORDINATE DEMOLITION AND CONSTRUCTION ACTIVITIES WITH THE OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTION OF NORMAL DAILY FUNCTIONS WITHIN OCCUPIED AREAS.
11. KEEP NOISE DURING DEMOLITION AND CONSTRUCTION TO A MINIMUM WHEN OCCUPIED SPACES ARE IN USE.
12. INSTALL TEMPORARY BARRICADES AND PARTITIONS TO PREVENT INJURY TO PERSONS IN AN AROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE LOCATIONS AND INSTALLATION WITH OWNER'S REPRENSENTATIVE.
13. INSTALL DUST PARTITIONS IN ACCORDANCE WITH FIRE PROTECTION AND EGRESS REQUIREMENTS AND COORDINATE LOCATIONS AND INSTALLATION WITH THE OWNER'S REPRESENTATIVE.
14. UPON REMOVAL OF TEMPORARY PARTITIONS, PATCH DISTURBED EXISTING AREAS TO MATCH EXISTING ADJACENT CONSTRUCTION. IF PAINTING IS REQUIRED, REPAINT ENTIRE WALL TO AVOID MISMATCH OF COLOR.
15. REFER TO SPECIFICATIONS REGARDING; EXISTING CONDITIONS, CUTTING AND PATCHING AND SELECTIVE DEMOLITION REQUIREMENTS THAT APPLY TO ALL WORK KEY NOTES DESCRIBED ON THIS SHEET.
16. REFER TO [ELECTRICAL, MECHANICAL, STRUCTURAL, LANDSCAPE, ETC.] DEMOLITION DRAWINGS FOR ADDITIONAL ITEMS.
17. COORDINATE W/ BUILDING OWNER DURING DEMOLITION TO DETERMINE WHETHER EXISTING FIRE & SMOKE DETECTION SYSTEMS ARE TO BE BAGGED, PROTECTED & REMAIN IN OPERATION OR TO BE TAKEN OFF LINE.
18. AREAS OF DEMOLITION SHALL BE FREE OF FURNITURE AND MOBILE EQUIPMENT AND ACCESSORIES PRIOR TO START OF WORK.
19. REMOVE STAPLES, NAILS AND SCREWS FROM WALLS TO REMAIN, TYPICAL THROUGHOUT.
20. REMOVE AND SALVAGE ALL SIGNAGE, CLOCKS, EMERGENCY KITS, PENCIL SHARPENERS AND PHONES FROM WALLS, INSIDE CLASSROOMS AND IN LOBBY AREAS.PATCH AND REPAIR WALLS WHERE DAMAGED BY REMOVAL. SALVAGE AND RETURN TO OWNER.
21. REMOVE AND REPLACE ALL EXISTING SWITCH PLATES AND OUTLET COVERS FROM EXISTING WALLS AND REPLACE WITH NEW PLATES PER SPEC.
22. REMOVE ALL EXISTING WALL MOUNTED DOOR STOPPERS.PATCH AND REPAIR WALLS WHERE DAMAGED BY REMOVAL.
23. REMOVE ALL FLOORING INCLUDING ADHESIVES, SETTING MATERIALS, TRANSITION MATERIALS, ETC. AND RUBBER WALL BASE. PROTECT WALLS FROM DAMAGE.
24. REMOVE ALL WOOD DOORS. SAND DOORS SMOOTH & REFINISH TO ORIGINAL LUSTER.
25. DASHED LINES INDICATE WALLS AND ITEMS TO BE REMOVED. REFER TO A0.10 FOR A GRAPHIC LEGEND.
26. THE ITEMS IDENTIFIED TO BE REMOVED REPRESENT THE MAJOR ITEMS ONLY AND IN NO WAY TRY TO IDENTIFY ALL PIECES AND PARTS ASSOCIATED TO BE REMOVED.
27. PROTECT EXISTING CONSTRUCTION SHOW AS REMAINING. USE CAUTION WHEN REMOVING PARTITIONS, CEILINGS, AND OTHER CONSTRUCTION ADJACENT TO COLUMNS, BEAMS, AND OTHER STRUCTURAL ELEMENTS. AVOID DAMGE TO THE EXISTING STRUCTURE TO REMAIN. REPAIR DAMAGE TO THE EXISTING CONSTRUCTION CAUSED BY WORK UNDER THIS CONTRACT.
28. PROTECT EXISTING ITEMS, EQUIPMENT, DOORS, ETC. INDICATED TO REMAIN IN PLACE FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
29. THE OWNER SHALL RETAIN SLAVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER'S REPRESENTATIVE WILL DIRECT THE CONTRACTOR AS TO THE LOCATIONS OF STORAGE AREA FOR VARIOUS ITEMS.
30. REMOVE WALLS INDICATED TO BE DEMOLISHED FROM FLOOR TO STRUCTURE ABOVE AND INCLUDE ALL MECHANICAL, ELECTRICAL, EQUIPMENT, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONTRUCTION.
31. WHERE PARTIAL DEMOLITION OF A WALL IS REQUIRED, COORDINATE EXTENT AND LOCATION OF REMOVED PORTION WITH NEW CONSTRUCTION PLAN AND FIELD CONDITIONS.
32. AT POINTS OF CONSTRUCTION ACCESS, PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
33. CLOSE OFF AND PATCH OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ELECTRICAL DEVICES, ETC. TO MAINTAIN PROPER FIRE RATTING IN A RATED ASSEMBLY. PREPARE PATCHES TO RECEIVE NEW FINISHES AS REQUIRED TO MATCH EXISTING ADJACENT FINISHES.
34. FIRESTOP PENETRATIONS IN FIRE RATED AND SMOKE PARTITIONS. IN NONFIRE-RATED AND SMOKE PARTITIONS, SEAL PENETRATIONS WITH ACOUSTICAL SEALANT AND FILL WITH SOUND ATTENUATION BLANKETS.
35. REVIEW EXISTING WALLS TO REMAIN THAT ARE FIRERATED OR SMOKE-TIGHT, AND NOTIFY THE A/E TEAM OF ANY PENETRATIONS WITHOUT APPROPRIATE CLOSURE ASSEMBLIES OR DUCTS WITHOUT FIRE/SMOKE DAMPERS.
36. COORDINATE WITH MEP REQUIREMENTS FOR CONDITIONS THAT WILL DISTURB EXISTING CONDITIONS AND WHICH WILL REQUIRE SELECTIVE DEMOLITION, CUTTING AND PATCHING, AND FINISHING OUTSIDE OF THAT SHOWN ON THE DRAWINGS.
37. REMOVE PORTIONS OF WATER DAMAGED WALLS AND CEILINGS AS REQUIRED TO ALIGN WITH PROPOSED OR EXISTING ADJACENT FINISHES AS DESCRIBED IN CONTRACT DOCUMENTS.

SHEET KEYNOTES

(XX)

NUM.	NOTE
AD2	DEMO (E) CMU WALL
AD3	DEMO (E) DOOR(S) AND FRAMES, SALVAGE DOOR HARDWARE AND RETURN TO OWNER
AD4	DEMO (E) STOREFRONT WINDOW SYSTEM IN ITS ENTIRETY
AD5	REMOVE (E) BOOK STACK(S). SALVAGE AND RETURN TO OWNER
AD6	DEMO (E) CARPET, CLEAN AND PREPARE FOR NEW FLOORING
AD7	DEMO (E)FLOOR TILE, WALL FINISHES, MIRROR AND ALL ACCESSORIES
AD9	DEMO (E) PLUMBING FIXTURES. CAP AND MANTAIN CONNECTIONS FOR NEW ONES
AD10	DEMO (E) FLOOR MOUNTED GUARDRAIL AND WALL MOUNTED HANDRAIL
AD11	PREPARE (E) CONCRETE FLOOR AND STAIR TREDS FOR NEW FLOORING
AD12	DEMO (E) STAIR, ALL STRUCTURAL COMPONENTS, TREADS, LANDINGS AND GUARDRAILS.
AD13	DEMO (E) DRINKING FOUNTAIN. CAP AND SEAL CONNECTIONS
AD14	DEMO (E) WALLS
AD16	DEMO OF MASONRY WALL FOR INSTALLATION OF A DOOR
AD17	REFER TO FINISH SCHEDULE FOR ELEMENTS THAT WILL BE REMOVED AND/OR MAINTAINED

TRUE NORTH PROJECT NORTH

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
DEMOLITION PLAN- LEVEL 01

AD101

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SCHEMATIC DRAWINGS

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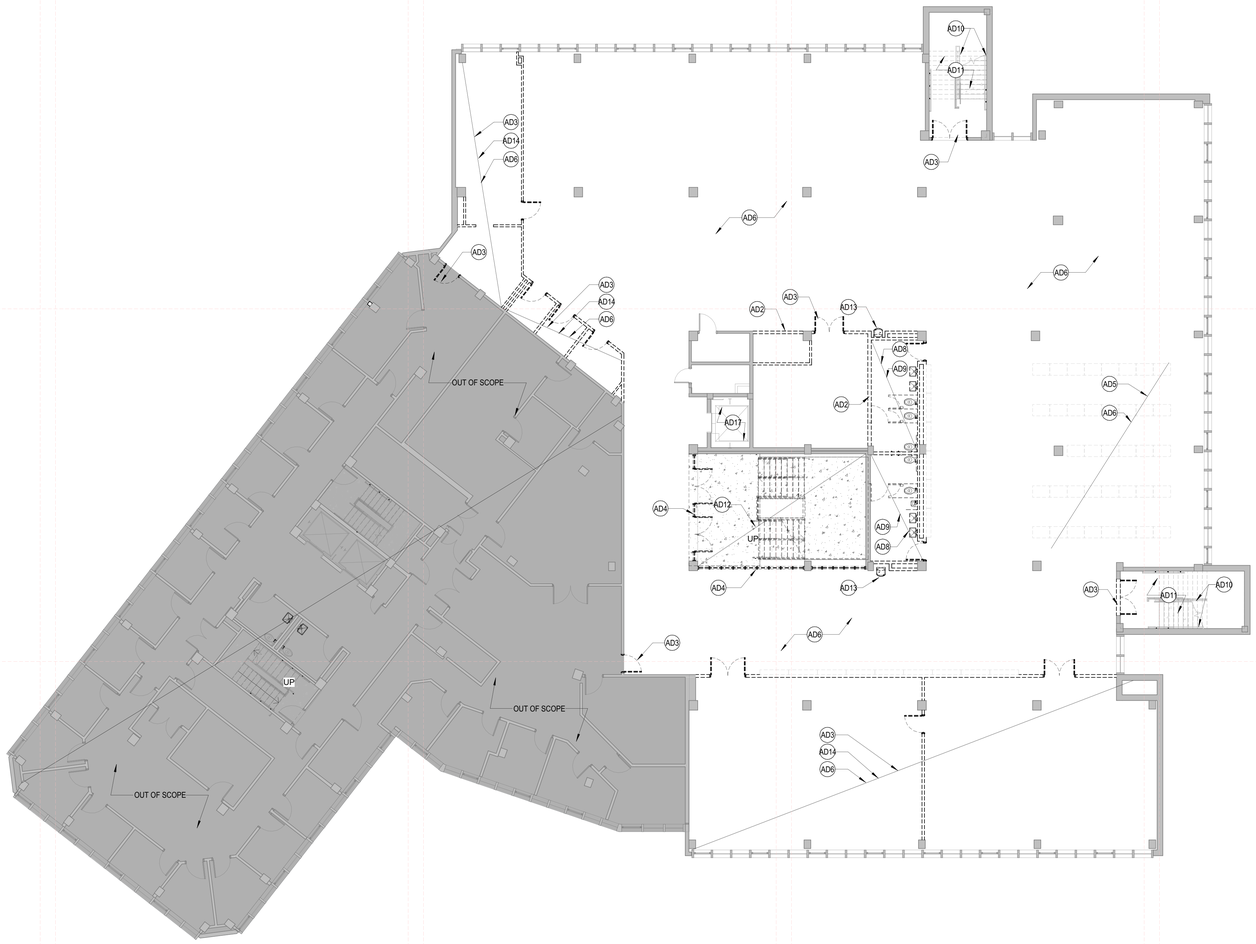

DEMOLITION PLAN GENERAL NOTES

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20. REMOVE AND SALVAGE ALL SIGNAGE, CLOCKS, EMERGENCY KITS, PENCIL SHARPENERS AND PHONES FROM WALLS, INSIDE CLASSROOMS AND IN LOBBY AREASPATCH AND REPAIR WALLS WHERE DAMAGED BY REMOVAL. SALVAGE AND RETURN TO OWNER.
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24. REMOVE ALL WOOD DOORS. SAND DOORS SMOOTH & REFINISH TO ORIGINAL LUSTER.
25. DASHED LINES INDICATE WALLS AND ITEMS TO BE REMOVED. REFER TO A0.10 FOR A GRAPHIC LEGEND.
26. THE ITEMS IDENTIFIED TO BE REMOVED REPRESENT THE MAJOR ITEMS ONLY AND IN NO WAY TRY TO IDENTIFY ALL PIECES AND PARTS ASSOCIATED TO BE REMOVED.
27. PROTECT EXISTING CONSTRUCTION SHOW AS REMAINING. USE CAUTION WHEN REMOVING PARTITIONS, CEILINGS, AND OTHER CONSTRUCTION ADJACENT TO COLUMNS, BEAMS, AND OTHER STRUCTURAL ELEMENTS. AVOID DAMGE TO THE EXISTING STRUCTURE TO REMAIN. REPAIR DAMAGE TO THE EXISTING CONSTRUCTION CAUSED BY WORK UNDER THIS CONTRACT.
28. PROTECT EXISTING ITEMS, EQUIPMENT, DOORS, ETC. INDICATED TO REMAIN IN PLACE FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
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31. WHERE PARTIAL DEMOLITION OF A WALL IS REQUIRED, COORDINATE EXTENT AND LOCATION OF REMOVED PORTION WITH NEW CONSTRUCTION PLAN AND FIELD CONDITIONS.
32. AT POINTS OF CONSTRUCTION ACCESS, PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
33. CLOSE OFF AND PATCH OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ELECTRICAL DEVICES, ETC. TO MAINTAIN PROPER FIRE RATTING IN A RATED ASSEMBLY. PREPARE PATCHES TO RECEIVE NEW FINISHES AS REQUIRED TO MATCH EXISTING ADJACENT FINISHES.
34. FIRESTOP PENETRATIONS IN FIRE RATED AND SMOKE PARTITIONS. IN NONFIRE-RATED AND SMOKE PARTITIONS, SEAL PENETRATIONS WITH ACOUSTICAL SEALANT AND FILL WITH SOUND ATTENUATION BLANKETS.
35. REVIEW EXISTING WALLS TO REMAIN THAT ARE FIRERATED OR SMOKETIGHT, AND NOTIFY THE A/E TEAM OF ANY PENETRATIONS WITHOUT APPROPRIATE CLOSURE ASSEMBLIES OR DUCTS WITHOUT FIRE/SMOKE DAMPERS.
36. COORDINATE WITH MEP REQUIREMENTS FOR CONDITIONS THAT WILL DISTURB EXISTING CONDITIONS AND WHICH WILL REQUIRE SELECTIVE DEMOLITION, CUTTING AND PATCHING, AND FINISHING OUTSIDE OF THAT SHOWN ON THE DRAWINGS.
37. REMOVE PORTIONS OF WATER DAMAGED WALLS AND CEILINGS AS REQUIRED TO ALIGN WITH PROPOSED OR EXISTING ADJACENT FINISHES AS DESCRIBED IN CONTRACT DOCUMENTS.

SHEET KEYNOTES

(XX)

NUM.	NOTE
AD2	DEMO (E) CMU WALL
AD3	DEMO (E) DOOR(S) AND FRAMES. SALVAGE DOOR HARDWARE AND RETURN TO OWNER
AD4	DEMO (E) STOREFRONT WINDOW SYSTEM IN ITS ENTIRETY
AD5	REMOVE (E) BOOK STACK(S). SALVAGE AND RETURN TO OWNER
AD6	DEMO (E) CARPET, CLEAN AND PREPARE FOR NEW FLOORING
AD8	DEMO (E)FLOOR TILE, WALL FINISHES, MIRROR AND ALL ACCESSORIES, INCLUDING TOILET PARTITIONS.
AD9	DEMO (E) PLUMBING FIXTURES. CAP AND MANTAIN CONNECTIONS FOR NEW ONES
AD10	DEMO (E) FLOOR MOUNTED GUARDRAIL AND WALL MOUNTED HANDRAIL
AD11	PREPARE (E) CONCRETE FLOOR AND STAIR TREDS FOR NEW FLOORING
AD12	DEMO (E) STAIR, ALL STRUCTURAL COMPONENTS. TREADS, LANDINGS AND GUARDRAILS.
AD13	DEMO (E) DRINKING FOUNTAIN. CAP AND SEAL CONNECTIONS
AD14	DEMO (E) WALLS
AD17	REFER TO FINISH SCHEDULE FOR ELEMENTS THAT WILL BE REMOVED AND/OR MAINTAINED

A1 DEMOLITION PLAN- LEVEL 02

AD102 3/32" = 1'-0"

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
DEMOLITION PLAN- LEVEL 02

AD102

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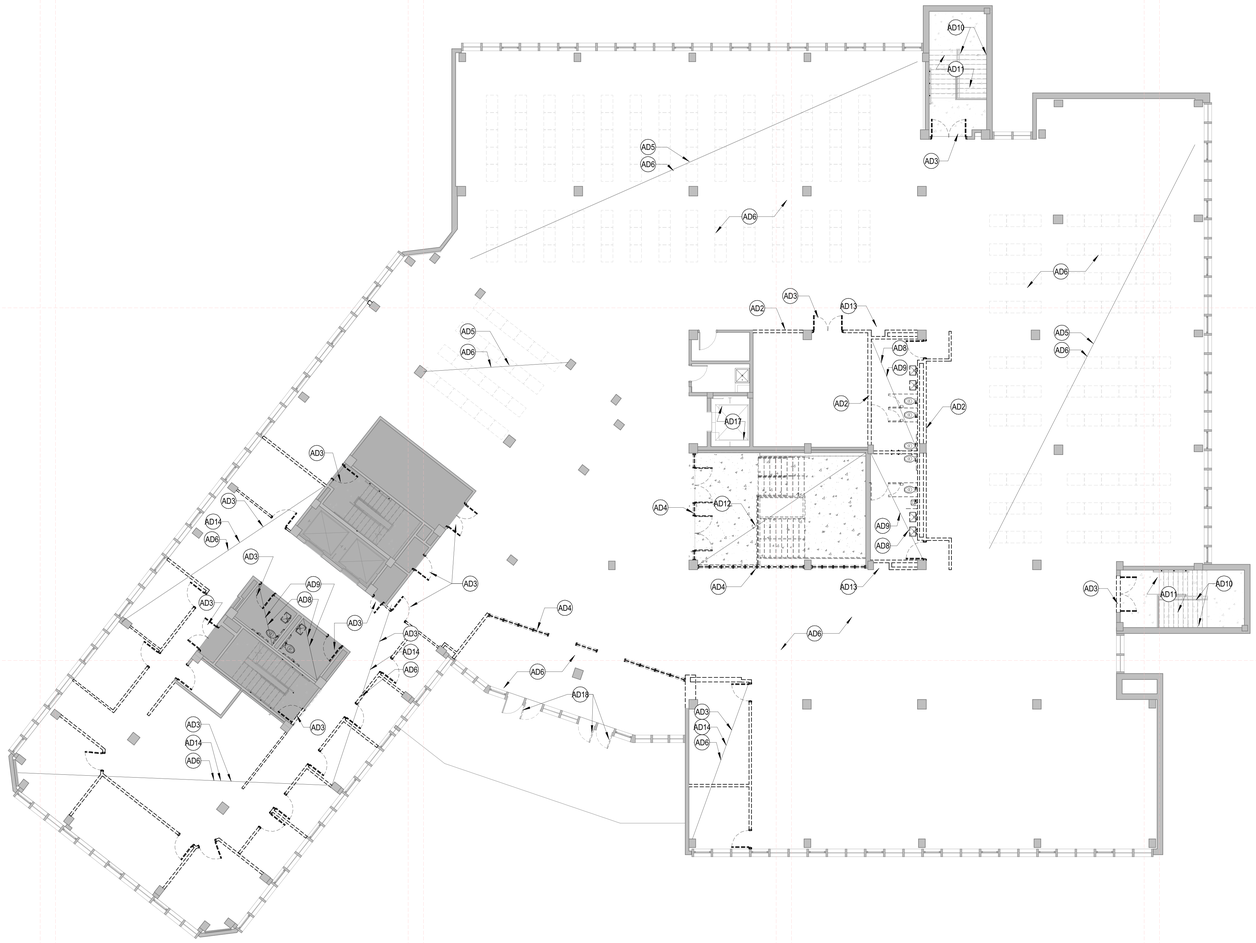

A1 DEMOLITION PLAN- LEVEL 03

AD103 3/32" = 1'-0"

TRUE NORTH PROJECT NORTH

DEMOLITION PLAN GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE SCHEDULING ALL WORK WITH OWNER.
2. WORK LABELED [NIC], OR OTHERWISE NOT NOTED IS NOT IN CONTRACT FOR ANY ARCHITECTURAL IMPROVEMENTS.
3. THE GENERAL CONTRACTOR & THEIR SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WITH CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS AND SHALL REPORT ANY DEVIATIONS, DISCREPANCIES AND/OR CONFLICTS TO ARCHITECT.
4. THE GENERAL CONTRACTOR & SUBCONTRACTOR SHALL TAKE EXTREME CARE DURING DEMOLITION NOT TO DAMAGE OR DISTURB ANY EXISTING CONDITIONS THAT ARE TO REMAIN. GENERAL CONTRACTOR OR SUBCONTRACTOR SHALL REPAIR ANY DAMAGE OR DISTURBANCE TO EXISTING CONDITIONS AT NO COST TO THE OWNER.
5. PROVIDE PROTECTION FOR FLOORS, WALLS, & CEILING AT ALL EXISTING CONDITIONS TO REMAIN, INCLUDING TRAFFIC AREA FOR DEMOLITION REMOVAL IN COMMON BUILDING AREAS & FREIGHT ELEVATORS. DAMAGED FLOORS WILL BE REPLACED @ NO COST TO OWNER.
6. REMOVE ALL WALLS, DOORS [AND OTHER ITEMS] SHOWN DASHED FIELD VERIFY CONSTRUCTION OF ALL WALLS TO BE REMOVED PROVIDE SHORING AND BRACING AS REQUIRED.
7. ALL ITEMS WITHIN WALLS TO BE REMOVED ARE NOT SHOWN FIELD VERIFY EXISTING CONDITIONS AND TEMPORARILY OR PERMANENTLY REMOVE ITEMS AS NECESSARY FOR NEW CONSTRUCTION.
8. REMOVE ALL EXISTING POWER AND ASSOCIATED CONDUIT AND OTHER MISCELLANEOUS ITEMS WHERE INDICATED ON EXISTING WALLS TO BE REUSED IF REMOVAL WILL DISRUPT PERFORMANCE OF ANY ITEM NOT INCLUDED IN THIS SCOPE, RELOCATE AND ENSURE PROPER FUNCTION IS RESTORED.
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12. INSTALL TEMPORARY BARRICADES AND PARTITIONS TO PREVENT INJURY TO PERSONS IN AN AROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE LOCATIONS AND INSTALLATION WITH OWNER'S REPRENSENTATIVE.
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27. PROTECT EXISTING CONSTRUCTION SHOW AS REMAINING. USE CAUTION WHEN REMOVING PARTITIONS, CEILINGS, AND OTHER CONSTRUCTION ADJACENT TO COLUMNS, BEAMS, AND OTHER STRUCTURAL ELEMENTS. AVOID DAMGE TO THE EXISTING STRUCTURE TO REMAIN. REPAIR DAMAGE TO THE EXISTING CONSTRUCTION CAUSED BY WORK UNDER THIS CONTRACT.
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31. WHERE PARTIAL DEMOLITION OF A WALL IS REQUIRED, COORDINATE EXTENT AND LOCATION OF REMOVED PORTION WITH NEW CONSTRUCTION PLAN AND FIELD CONDITIONS.
32. AT POINTS OF CONSTRUCTION ACCESS, PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
33. CLOSE OFF AND PATCH OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ELECTRICAL DEVICES, ETC. TO MAINTAIN PROPER FIRE RATTING IN A RATED ASSEMBLY. PREPARE PATCHES TO RECEIVE NEW FINISHES AS REQUIRED TO MATCH EXISTING ADJACENT FINISHES.
34. FIRESTOP PENETRATIONS IN FIRE RATED AND SMOKE PARTITIONS. IN NONFIRE-RATED AND SMOKE PARTITIONS, SEAL PENETRATIONS WITH ACOUSTICAL SEALANT AND FILL WITH SOUND ATTENUATION BLANKETS.
35. REVIEW EXISTING WALLS TO REMAIN THAT ARE FIRERATED OR SMOKE-TIGHT, AND NOTIFY THE A/E TEAM OF ANY PENETRATIONS WITHOUT APPROPRIATE CLOSURE ASSEMBLIES OR DUCTS WITHOUT FIRE/SMOKE DAMPERS.
36. COORDINATE WITH MEP REQUIREMENTS FOR CONDITIONS THAT WILL DISTURB EXISTING CONDITIONS AND WHICH WILL REQUIRE SELECTIVE DEMOLITION, CUTTING AND PATCHING, AND FINISHING OUTSIDE OF THAT SHOWN ON THE DRAWINGS.
37. REMOVE PORTIONS OF WATER DAMAGED WALLS AND CEILINGS AS REQUIRED TO ALIGN WITH PROPOSED OR EXISTING ADJACENT FINISHES AS DESCRIBED IN CONTRACT DOCUMENTS.

(XX) SHEET KEYNOTES

NUM.	NOTE
AD2	DEMO (E) CMU WALL
AD3	DEMO (E) DOOR(S) AND FRAMES, SALVAGE DOOR HARDWARE AND RETURN TO OWNER
AD4	DEMO (E) STOREFRONT WINDOW SYSTEM IN ITS ENTIRETY
AD5	REMOVE (E) BOOK STACK(S), SALVAGE AND RETURN TO OWNER
AD6	DEMO (E) CARPET, CLEAN AND PREPARE FOR NEW FLOORING
AD8	DEMO (E)FLOOR TILE, WALL FINISHES, MIRROR AND ALL ACCESSORIES, INCLUDING TOILET PARTITIONS.
AD9	DEMO (E) PLUMBING FIXTURES. CAP AND MANTAIN CONNECTIONS FOR NEW ONES
AD10	DEMO (E) FLOOR MOUNTED GUARDRAIL AND WALL MOUNTED HANDRAIL
AD11	PREPARE (E) CONCRETE FLOOR AND STAIR TREDS FOR NEW FLOORING
AD12	DEMO (E) STAIR, ALL STRUCTURAL COMPONENTS, TREADS, LANDINGS AND GUARDRAILS.
AD13	DEMO (E) DRINKING FOUNTAIN. CAP AND SEAL CONNECTIONS
AD14	DEMO (E) WALLS
AD17	REFER TO FINISH SCHEDULE FOR ELEMENTS THAT WILL BE REMOVED AND/OR MAINTAINED
AD18	DEMO (E) CURTAIN WALL DOOR & TO BE INFILLED WITH GLAZING.

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
DEMOLITION PLAN- LEVEL 03

AD103

NOT FOR CONSTRUCTION

2024-08-29
SCHEMATIC DRAWINGS

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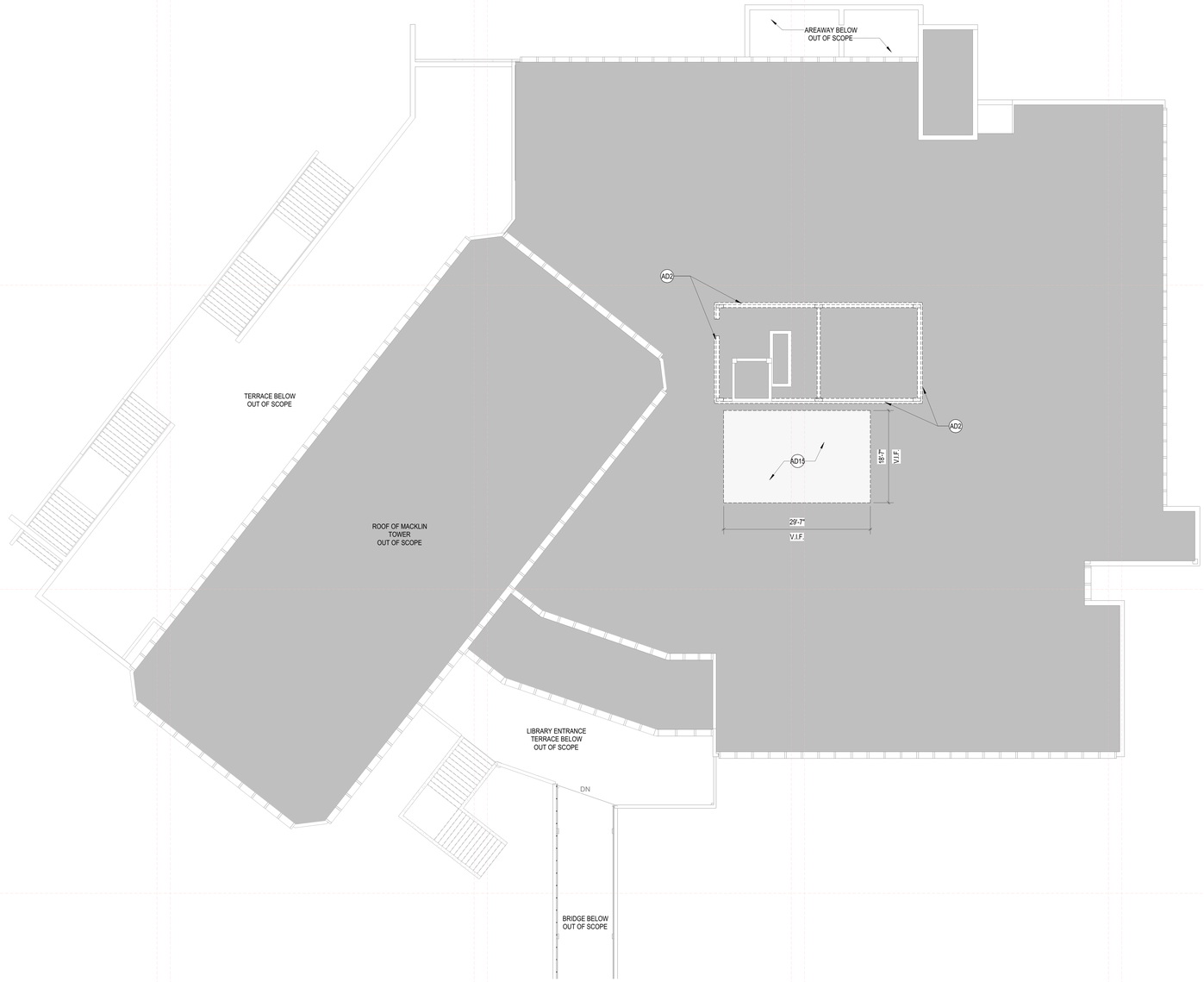

1 **DEMOLITION ROOF PLAN**

AD1R1 3/32" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE SCHEDULING ALL WORK WITH OWNER.
2. WORK LABELED [NIC], OR OTHERWISE NOT NOTED IS NOT IN CONTRACT FOR ANY ARCHITECTURAL IMPROVEMENTS.
3. THE GENERAL CONTRACTOR & THEIR SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WITH CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS AND SHALL REPORT ANY DEVIATIONS, DISCREPANCIES AND/OR CONFLICTS TO ARCHITECT.
4. THE GENERAL CONTRACTOR & SUBCONTRACTOR SHALL TAKE EXTREME CARE DURING DEMOLITION NOT TO DAMAGE OR DISTURB ANY EXISTING CONDITIONS THAT ARE TO REMAIN. GENERAL CONTRACTOR OR SUBCONTRACTOR SHALL REPAIR ANY DAMAGE OR DISTURBANCE TO EXISTING CONDITIONS AT NO COST TO THE OWNER.
5. PROVIDE PROTECTION FOR FLOORS, WALLS, & CEILING AT ALL EXISTING CONDITIONS TO REMAIN, INCLUDING TRAFFIC AREA FOR DEMOLITION REMOVAL IN COMMON BUILDING AREAS & FREIGHT ELEVATORS. DAMAGED FLOORS WILL BE REPLACED @ NO COST TO OWNER.
6. REMOVE ALL WALLS, DOORS [AND OTHER ITEMS] SHOWN DASHED FIELD VERIFY CONSTRUCTION OF ALL WALLS TO BE REMOVED PROVIDE SHORING AND BRACING AS REQUIRED.
7. ALL ITEMS WITHIN WALLS TO BE REMOVED ARE NOT SHOWN FIELD VERIFY EXISTING CONDITIONS AND TEMPORARILY OR PERMANENTLY REMOVE ITEMS AS NECESSARY FOR NEW CONSTRUCTION.
8. REMOVE ALL EXISTING POWER AND ASSOCIATED CONDUIT AND OTHER MISCELLANEOUS ITEMS WHERE INDICATED ON EXISTING WALLS TO BE REUSED IF REMOVAL WILL DISRUPT PERFORMANCE OF ANY ITEM NOT INCLUDED IN THIS SCOPE, RELOCATE AND ENSURE PROPER FUNCTION IS RESTORED.
9. GENERAL CONTRACTOR TO COORDINATE ABATEMENT CONSULTANT FOR ANY CONTAMINATED MATERIALS TO BE REMOVED BEFORE WORK TO BEGIN IN THIS AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE REMOVAL OF HAZARDOUS MATERIALS AS REQUIRED TO COMPLETE THE NEW WORK, AND SHALL COORDINATE THESE ACTIVITIES WITH THE OWNER'S REPRESENTATIVE.
10. COORDINATE DEMOLITION AND CONSTRUCTION ACTIVITIES WITH THE OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTION OF NORMAL DAILY FUNCTIONS WITHIN OCCUPIED AREAS.
11. KEEP NOISE DURING DEMOLITION AND CONSTRUCTION TO A MINIMUM WHEN OCCUPIED SPACES ARE IN USE.
12. INSTALL TEMPORARY BARRICADES AND PARTITIONS TO PREVENT INJURY TO PERSONS IN AN AROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE LOCATIONS AND INSTALLATION WITH OWNER'S REPRENSENTATIVE.
13. INSTALL DUST PARTITIONS IN ACCORDANCE WITH FIRE PROTECTION AND EGRESS REQUIREMENTS AND COORDINATE LOCATIONS AND INSTALLATION WITH THE OWNER'S REPRESENTATIVE.
14. UPON REMOVAL OF TEMPORARY PARTITIONS, PATCH DISTURBED EXISTING AREAS TO MATCH EXISTING ADJACENT CONSTRUCTION. IF PAINTING IS REQUIRED, REPAINT ENTIRE WALL TO AVOID MISMATCH OF COLOR.
15. REFER TO SPECIFICATIONS REGARDING; EXISTING CONDITIONS, CUTTING AND PATCHING AND SELECTIVE DEMOLITION REQUIREMENTS THAT APPLY TO ALL WORK KEY NOTES DESCRIBED ON THIS SHEET.
16. REFER TO [ELECTRICAL, MECHANICAL, STRUCTURAL, LANDSCAPE, ETC.] DEMOLITION DRAWINGS FOR ADDITIONAL ITEMS.
17. COORDINATE W/ BUILDING OWNER DURING DEMOLITION TO DETERMINE WHETHER EXISTING FIRE & SMOKE DETECTION SYSTEMS ARE TO BE BAGGED, PROTECTED & REMAIN IN OPERATION OR TO BE TAKEN OFF LINE.
18. AREAS OF DEMOLITION SHALL BE FREE OF FURNITURE AND MOBILE EQUIPMENT AND ACCESSORIES PRIOR TO START OF WORK.
19. REMOVE STAPLES, NAILS AND SCREWS FROM WALLS TO REMAIN, TYPICAL THROUGHOUT.
20. REMOVE AND SALVAGE ALL SIGNAGE, CLOCKS, EMERGENCY KITS, PENCIL SHARPENERS AND PHONES FROM WALLS, INSIDE CLASSROOMS AND IN LOBBY AREASPATCH AND REPAIR WALLS WHERE DAMAGED BY REMOVAL. SALVAGE AND RETURN TO OWNER.
21. REMOVE AND REPLACE ALL EXISTING SWITCH PLATES AND OUTLET COVERS FROM EXISTING WALLS AND REPLACE WITH NEW PLATES PER SPEC.
22. REMOVE ALL EXISTING WALL MOUNTED DOOR STOPPERS.PATCH AND REPAIR WALLS WHERE DAMAGED BY REMOVAL.
23. REMOVE ALL FLOORING INCLUDING ADHESIVES, SETTING MATERIALS, TRANSITION MATERIALS, ETC. AND RUBBER WALL BASE. PROTECT WALLS FROM DAMAGE.
24. REMOVE ALL WOOD DOORS. SAND DOORS SMOOTH & REFINISH TO ORIGINAL LUSTER.
25. DASHED LINES INDICATE WALLS AND ITEMS TO BE REMOVED. REFER TO A0.10 FOR A GRAPHIC LEGEND.
26. THE ITEMS IDENTIFIED TO BE REMOVED REPRESENT THE MAJOR ITEMS ONLY AND IN NO WAY TRY TO IDENTIFY ALL PIECES AND PARTS ASSOCIATED TO BE REMOVED.
27. PROTECT EXISTING CONSTRUCTION SHOW AS REMAINING. USE CAUTION WHEN REMOVING PARTITIONS, CEILINGS, AND OTHER CONSTRUCTION ADJACENT TO COLUMNS, BEAMS, AND OTHER STRUCTURAL ELEMENTS. AVOID DAMGE TO THE EXISTING STRUCTURE TO REMAIN. REPAIR DAMAGE TO THE EXISTING CONSTRUCTION CAUSED BY WORK UNDER THIS CONTRACT.
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SHEET KEYNOTES

NUM.	NOTE
AD2	DEMO (E) CMU WALL
AD15	DEMO (E) REMOVABLE SLAB, FIELD VERIFY, PREPARE FOR NEW SKYLIGHT INSTALLATION

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
DEMOLITION PLAN-ROOF

AD1R1

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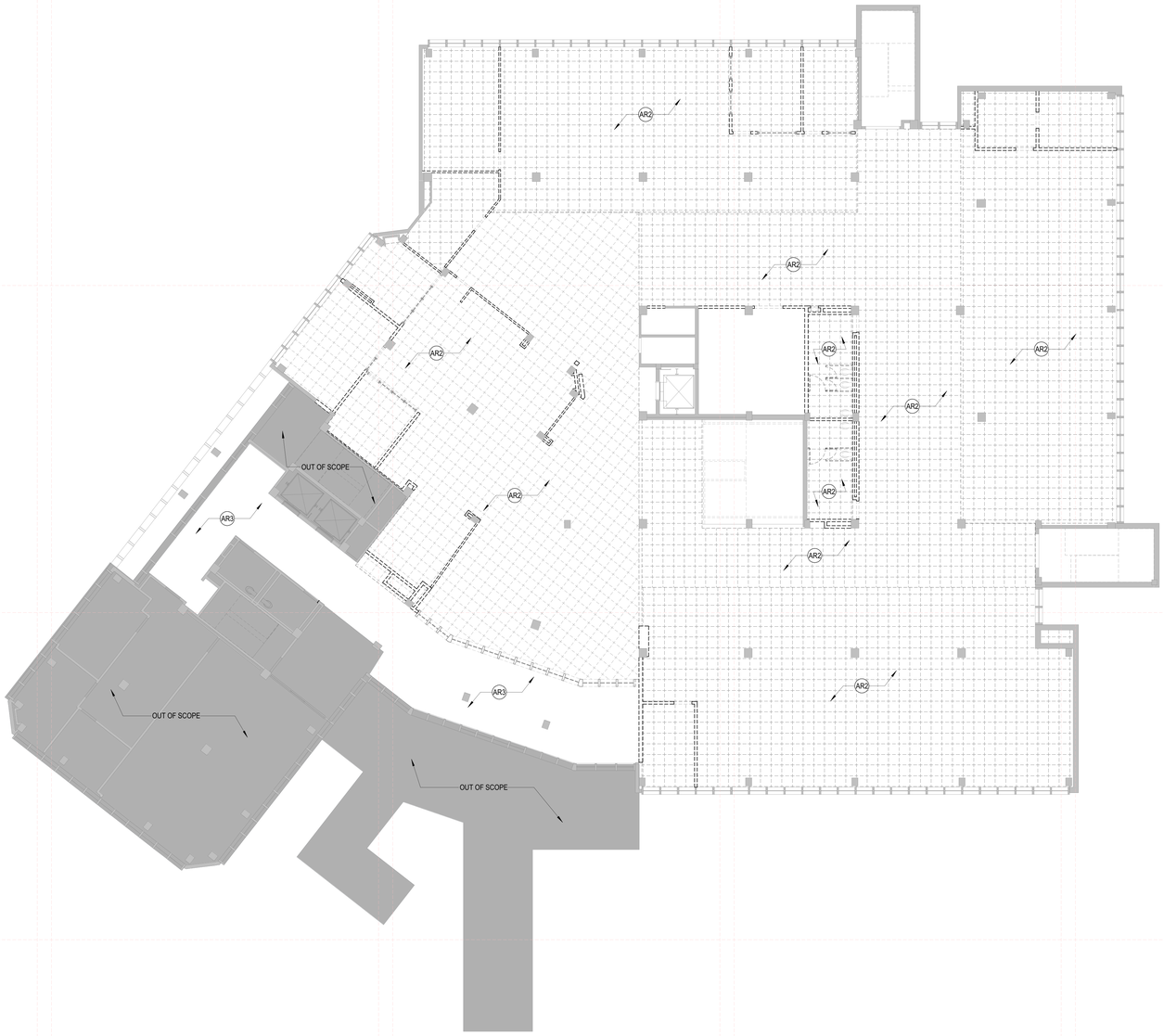

A1 DEMOLITION REFLECTED CEILING PLAN- LEVEL 01

AR101 3/32" = 1'-0"

DEMOLITION RCP GENERAL NOTES

1. REMOVE ALL CEILINGS [SOFFITS, LIGHT FIXTURES, ETC.] SHOWN DASHED FIELD VERIFY CONSTRUCTION OF ALL CEILINGS TO BE REMOVED PROVIDE SHORING AND BRACING AS REQUIRED. REFER TO ELECTRICAL, MECHANICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. REMOVE ALL LIGHT FIXTURES, GRILLS AND RETURNS.
3. REMOVE STAPLES, NAILS AND SCREWS FROM CEILINGS AND SOFFITS, TYPICAL THROUGHOUT.
4. REFER TO CONSULTANT DEMOLITION DRAWINGS FOR ADDITIONAL NFORMATION.
5. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. REMOVE [AND SALVAGE] ALL CEILING MOUNTED EQUIPMENT PROJECTORS, ULL DOWN SCREENS, SPEAKERS, ETC]. TURN OVER TO OWNER FOR REINSTALL AS INDICATED.SHOULD REMOVAL NOT BE NECESSARY, COVER AND PROTECT ELEMENTS DURING CONSTRUCTION.
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(XX) SHEET KEYNOTES

NUM.	NOTE
AR2	DEMO (E) ACOUSTICAL PANEL CEILING AND METAL SUSPENSION GRID. FOR WORK TO CEILING MOUNTED DEVICES, REFER TO MEP DRAWINGS.
AR3	DEMO (E) GYP BD CEILING, ASSOCIATED METAL FRAMING. FOR WORK TO CEILING MOUNTED DEVICES, REFER TO MEP DRAWINGS.

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LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
DEMO REFLECTED CEILING PLAN- LEVEL 01

AR101

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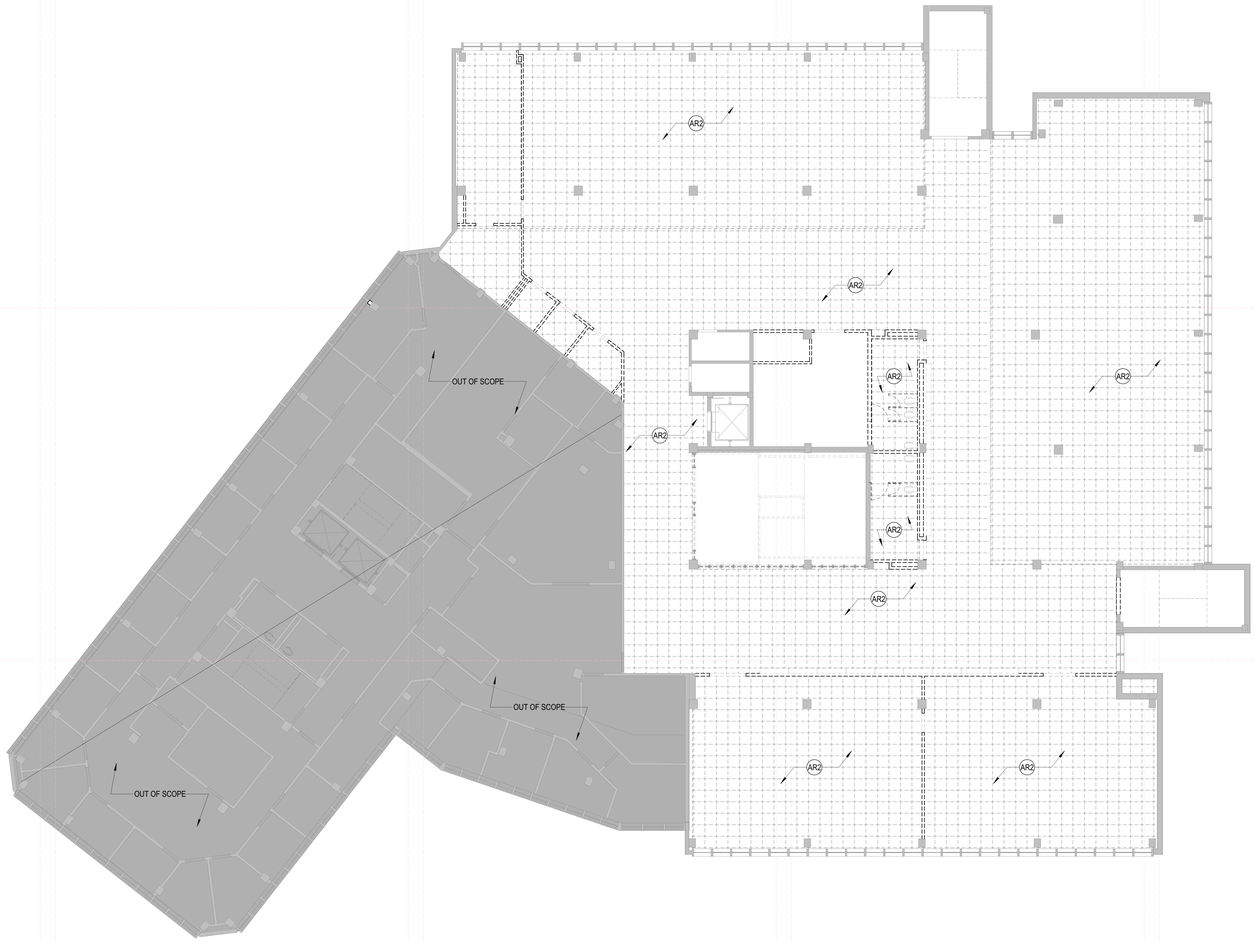

A1 DEMOLITION REFLECTED CEILING PLAN- LEVEL 02

AR102 | 3/32" = 1'-0"

DEMOLITION RCP GENERAL NOTES

1. REMOVE ALL CEILINGS [SOFFITS, LIGHT FIXTURES, ETC.] SHOWN DASHED FIELD VERIFY CONSTRUCTION OF ALL CEILINGS TO BE REMOVED PROVIDE SHORING AND BRACING AS REQUIRED. REFER TO ELECTRICAL, MECHANICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
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13. UPON REMOVAL OF TEMPORARY PARTITIONS, PATCH DISTURBED EXISTING AREAS TO MATCH EXISTING ADJACENT CONSTRUCTION. IF PAINTING IS REQUIRED, REPAINT ENTIRE WALL TO AVOID MISMATCH OF COLOR.
14. DASHED LINES INDICATE WALLS AND ITEMS TO BE REMOVED. REFER TO A0.10 FOR A GRAPHIC LEGEND.
15. THE ITEMS IDENTIFIED TO BE REMOVED REPRESENT THE MAJOR ITEMS ONLY AND IN NO WAY TRY TO IDENTIFY ALL PIECES AND PARTS ASSOCIATED TO BE REMOVED.
16. PROTECT EXISTING CONSTRUCTION SHOW AS REMAINING. USE CAUTION WHEN REMOVING PARTITIONS, CEILINGS, AND OTHER CONSTRUCTION ADJACENT TO COLUMNS, BEAMS, AND OTHER STRUCTURAL ELEMENTS. AVOID DAMGE TO THE EXISTING STRUCTURE TO REMAIN. REPAIR DAMAGE TO THE EXISTING CONSTRUCTION CAUSED BY WORK UNDER THIS CONTRACT.
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22. CLOSE OFF AND PATCH OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ELECTRICAL DEVICES, ETC. TO MAINTAIN PROPER FIRE RATTING IN A RATED ASSEMBLY. PREPARE PATCHES TO RECEIVE NEW FINISHES AS REQUIRED TO MATCH EXISTING ADJACENT FINISHES.
23. FIRESTOP PENETRATIONS IN FIRE RATED AND SMOKE PARTITIONS. IN NONFIRE-RATED AND SMOKE PARTITIONS, SEAL PENETRATIONS WITH ACOUSTICAL SEALANT AND FILL WITH SOUND ATTENUATION BLANKETS.
24. REVIEW EXISTING WALLS TO REMAIN THAT ARE FIRERATED OR SMOKE-TIGHT, AND NOTIFY THE A/E TEAM OF ANY PENETRATIONS WITHOUT APPROPRIATE CLOSURE ASSEMBLIES OR DUCTS WITHOUT FIRE/SMOKE DAMPERS.
25. COORDINATE WITH MEP REQUIREMENTS FOR CONDITIONS THAT WILL DISTURB EXISTING CONDITIONS AND WHICH WILL REQUIRE SELECTIVE DEMOLITION, CUTTING AND PATCHING, AND FINISHING OUTSIDE OF THAT SHOWN ON THE DRAWINGS.
26. REMOVE PORTIONS OF WATER DAMAGED WALLS AND CEILINGS AS REQUIRED TO ALIGN WITH PROPOSED OR EXISTING ADJACENT FINISHES AS DESCRIBED IN CONTRACT DOCUMENTS.

SHEET KEYNOTES

NUM.	NOTE
AR2	DEMO (E) ACOUSTICAL PANEL CEILING AND METAL SUSPENSION GRID. FOR WORK TO CEILING MOUNTED DEVICES, REFER TO MEP DRAWINGS.

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PLANNING
INTERIOR DESIGN

ARCH NAME | ARCH ##

Δ	DATE	DESCRIPTION

Project Number: 224112.00
Drawn By: Author
Checked By: Checker

Drawing
DEMO REFLECTED CEILING PLAN- LEVEL 02

AR102

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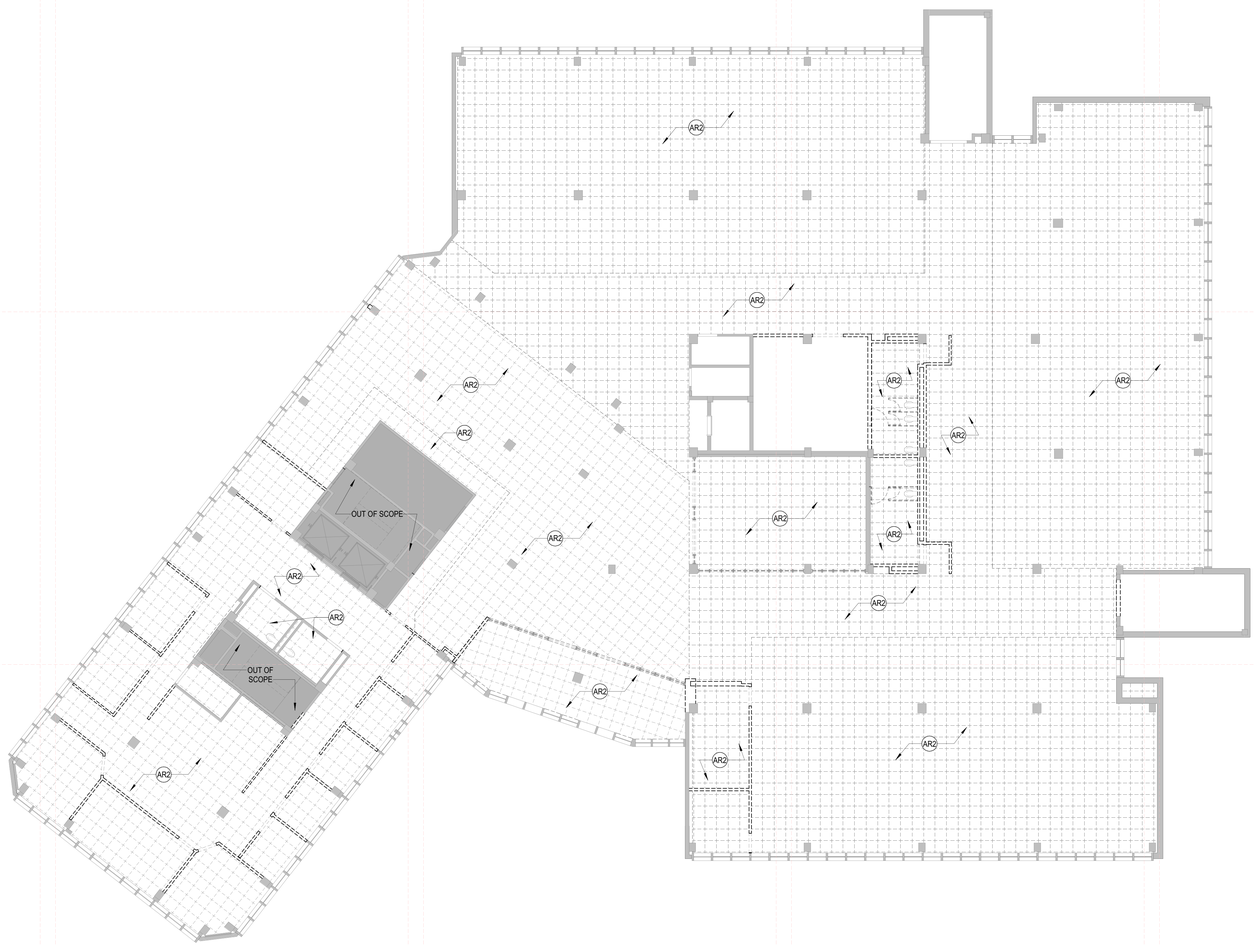

A1 DEMOLITION REFLECTED CEILING PLAN- LEVEL 03

AR103 3/32" = 1'-0"

DEMOLITION RCP GENERAL NOTES

1. REMOVE ALL CEILINGS [SOFFITS, LIGHT FIXTURES, ETC.] SHOWN DASHED FIELD VERIFY CONSTRUCTION OF ALL CEILINGS TO BE REMOVED PROVIDE SHORING AND BRACING AS REQUIRED. REFER TO ELECTRICAL, MECHANICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. REMOVE ALL LIGHT FIXTURES, GRILLS AND RETURNS.
3. REMOVE STAPLES, NAILS AND SCREWS FROM CEILINGS AND SOFFITS, TYPICAL THROUGHOUT.
4. REFER TO CONSULTANT DEMOLITION DRAWINGS FOR ADDITIONAL NFORMATION.
5. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. REMOVE [AND SALVAGE] ALL CEILING MOUNTED EQUIPMENT PROJECTORS, ULL DOWN SCREENS, SPEAKERS, ETC]. TURN OVER TO OWNER FOR REINSTALL AS INDICATED.SHOULD REMOVAL NOT BE NECESSARY, COVER AND PROTECT ELEMENTS DURING CONSTRUCTION.
7. GENERAL CONTRACTOR TO COORDINATE WITH ABATEMENT CONSULTANT FOR ANY CONTAMINATED MATERIALS TO BE REMOVED BEFORE WORK TO BEGIN IN THIS AREA.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE REMOVAL OF HAZARDOUS MATERIALS AS REQUIRED TO COMPLETE THE NEW WORK, AND SHALL COORDINATE THESE ACTIVITIES WITH THE OWNER'S REPRESENTATIVE.
9. COORDINATE DEMOLITION AND CONSTRUCTION ACTIVITIES WITH THE OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTION OF NORMAL DAILY FUNCTIONS WITHIN OCCUPIED AREAS.
10. KEEP NOISE DURING DEMOLITION AND CONSTRUCTION TO A MINIMUM WHEN OCCUPIED SPACES ARE IN USE.
11. INSTALL TEMPORARY BARRICADES AND PARTITIONS TO PREVENT INJURY TO PERSONS IN AN AROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE LOCATIONS AND INSTALLATION WITH OWNER'S REPRENSENTATIVE.
12. INSTALL DUST PARTITIONS IN ACCORDANCE WITH FIRE PROTECTION AND EGRESS REQUIREMENTS AND COORDINATE LOCATIONS AND INSTALLATION WITH THE OWNER'S REPRESENTATIVE.
13. UPON REMOVAL OF TEMPORARY PARTITIONS, PATCH DISTURBED EXISTING AREAS TO MATCH EXISTING ADJACENT CONSTRUCTION. IF PAINTING IS REQUIRED, REPAINT ENTIRE WALL TO AVOID MISMATCH OF COLOR.
14. DASHED LINES INDICATE WALLS AND ITEMS TO BE REMOVED. REFER TO A0.10 FOR A GRAPHIC LEGEND.
15. THE ITEMS IDENTIFIED TO BE REMOVED REPRESENT THE MAJOR ITEMS ONLY AND IN NO WAY TRY TO IDENTIFY ALL PIECES AND PARTS ASSOCIATED TO BE REMOVED.
16. PROTECT EXISTING CONSTRUCTION SHOW AS REMAINING. USE CAUTION WHEN REMOVING PARTITIONS, CEILINGS, AND OTHER CONSTRUCTION ADJACENT TO COLUMNS, BEAMS, AND OTHER STRUCTURAL ELEMENTS. AVOID DAMGE TO THE EXISTING STRUCTURE TO REMAIN. REPAIR DAMAGE TO THE EXISTING CONSTRUCTION CAUSED BY WORK UNDER THIS CONTRACT.
17. PROTECT EXISTING ITEMS, EQUIPMENT, DOORS, ETC. INDICATED TO REMAIN IN PLACE FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
18. THE OWNER SHALL RETAIN SLAVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER'S REPRESENTATIVE WILL DIRECT THE CONTRACTOR AS TO THE LOCATIONS OF STORAGE AREA FOR VARIOUS ITEMS.
19. REMOVE WALLS INDICATED TO BE DEMOLISHED FROM FLOOR TO STRUCTURE ABOVE AND INCLUDE ALL MECHANICAL, ELECTRICAL, EQUIPMENT, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONTRUCTION.
20. WHERE PARTIAL DEMOLITION OF A WALL IS REQUIRED, COORDINATE EXTENT AND LOCATION OF REMOVED PORTION WITH NEW CONSTRUCTION PLAN AND FIELD CONDITIONS.
21. AT POINTS OF CONSTRUCTION ACCESS, PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
22. CLOSE OFF AND PATCH OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ELECTRICAL DEVICES, ETC. TO MAINTAIN PROPER FIRE RATTING IN A RATED ASSEMBLY. PREPARE PATCHES TO RECEIVE NEW FINISHES AS REQUIRED TO MATCH EXISTING ADJACENT FINISHES.
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Checked By: Checker

Drawing
DEMO REFLECTED CEILING PLAN- LEVEL 03

AR103

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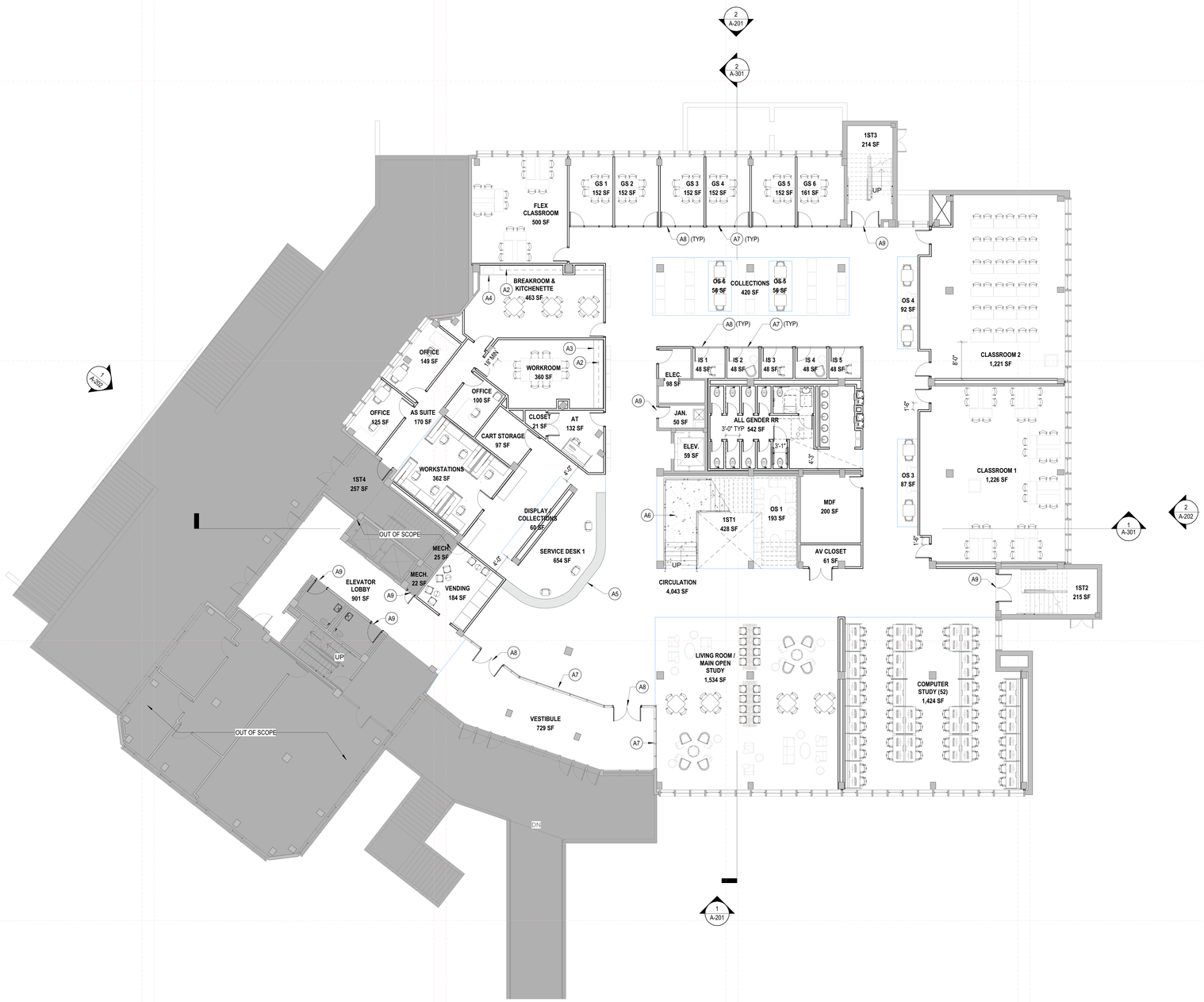

FLOOR PLAN GENERAL NOTES

1. REFER TO FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS, ENLARGED PLAN CALLOUTS AND FLOOR FINISH PATTERNS.
2. REFER TO FINISH PLANS FOR VISUAL DISPLAY UNIT TYPES, SIZES, AND LOCATIONS.
3. REFER TO FLOOR DIMENSION PLANS FOR PARTITION IDENTIFICATION AND DIMENSIONS.
4. PROVIDE WOOD BLOCKING AT WALL MOUNTED GRAB BARS AND HAND RAILS.
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A3	COUNTERTOP
A4	COUNTERTOP W/ SINK
A5	CUSTOM-BUILT MILLWORK
A6	NEW STAIR & HANDRAILS
A7	GLASS PARTITIONS
A8	GLASS DOORS
A9	NEW DOOR

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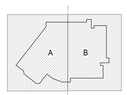

Drawing
FLOOR PLAN- LEVEL 01

A-101

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A1 FLOOR PLAN-OVERALL- LEVEL 02
A-101 3/32" = 1'-0"

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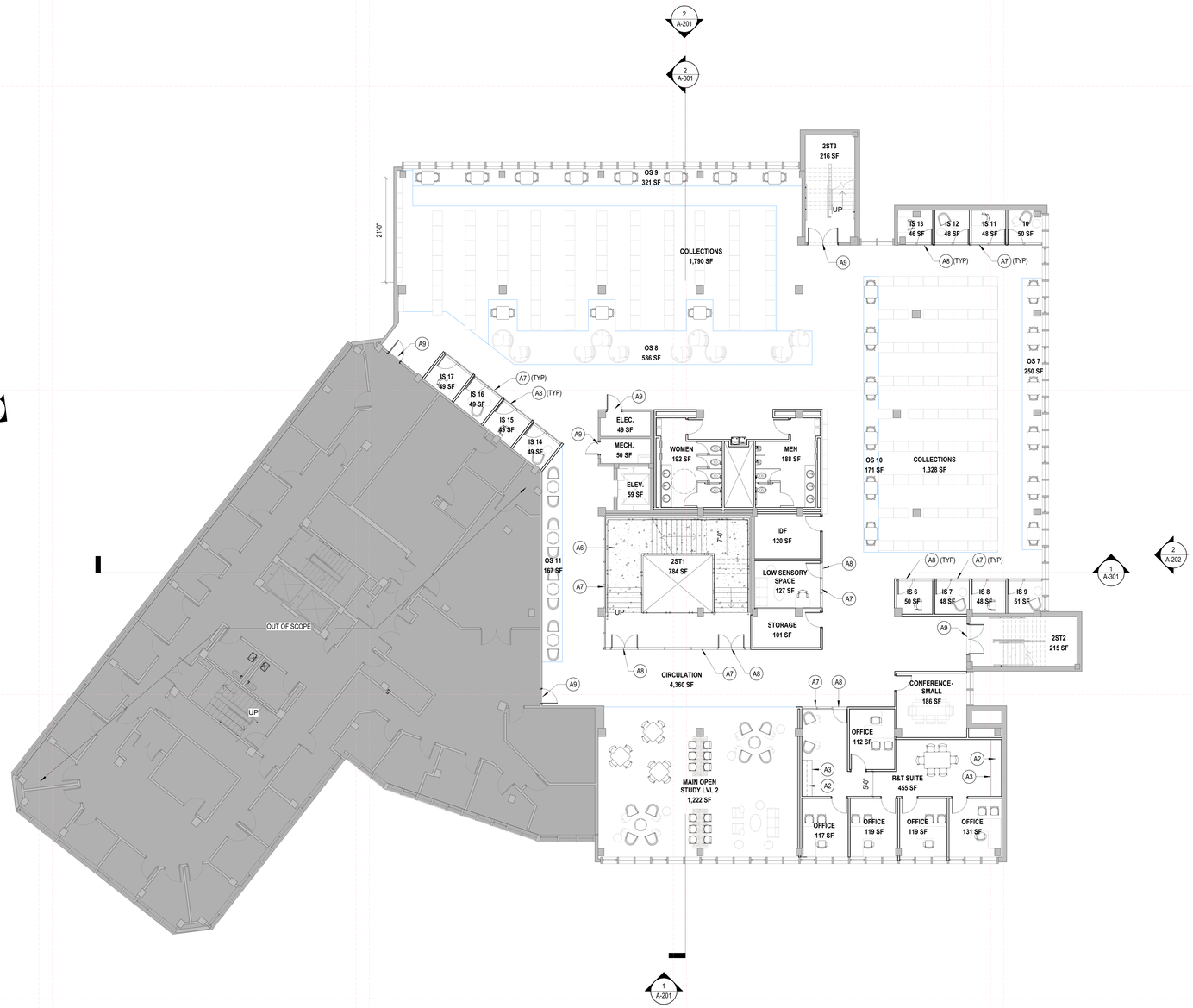

A1 FLOOR PLAN-OVERALL- LEVEL 03

A-102 | 3/32" = 1'-0"

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A3	COUNTERTOP
A6	NEW STAIR & HANDRAILS
A7	GLASS PARTITIONS
A8	GLASS DOORS
A9	NEW DOOR

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Checked By:	Checker

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FLOOR PLAN- LEVEL 02

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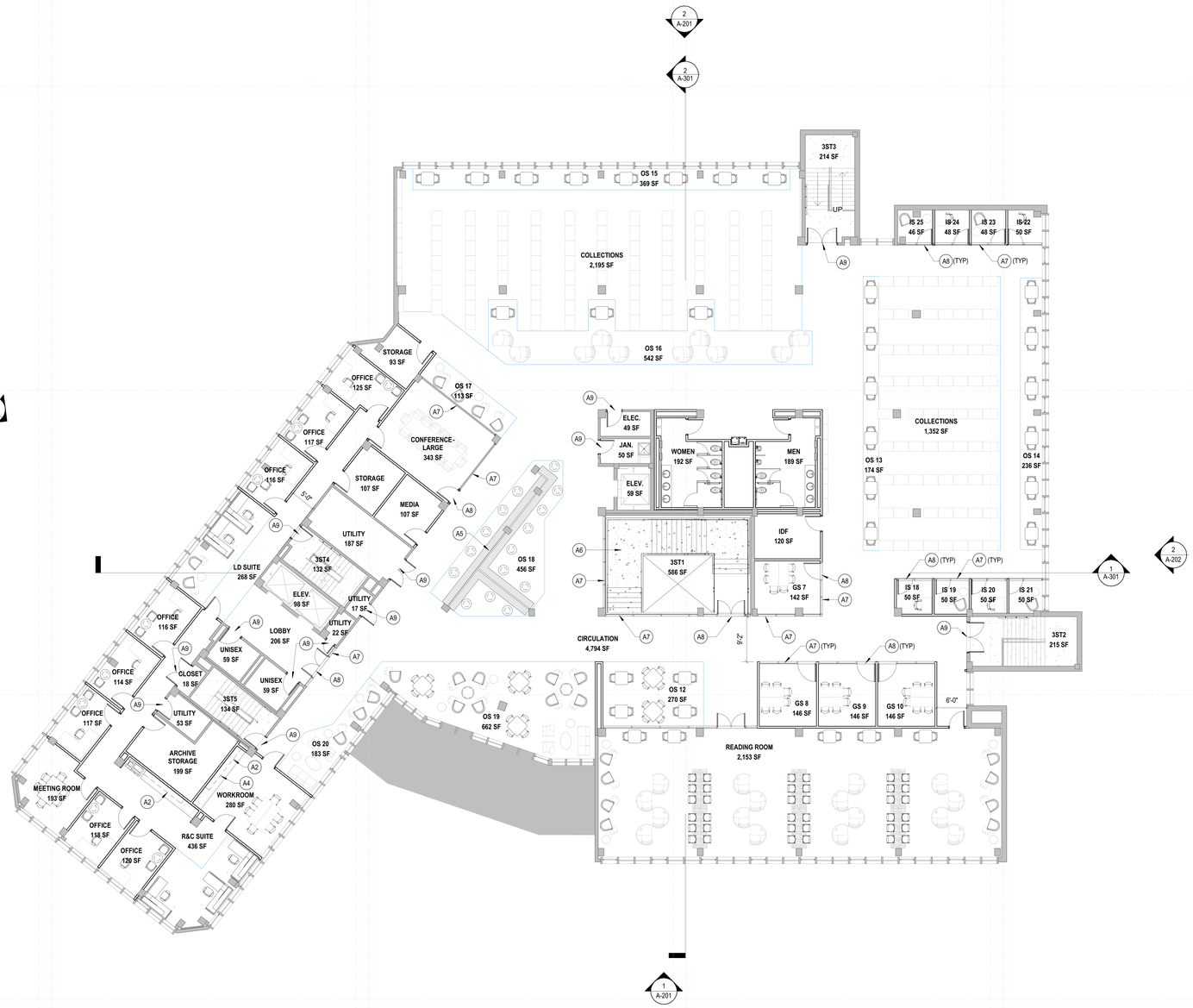

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PLANNING
INTERIOR DESIGN

ARCH NAME ARCH ##

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Checked By:	Checker

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FLOOR PLAN- LEVEL 03

A-103

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A1 FLOOR PLAN-OVERALL- LEVEL 04
A-103 3/32" = 1'-0"

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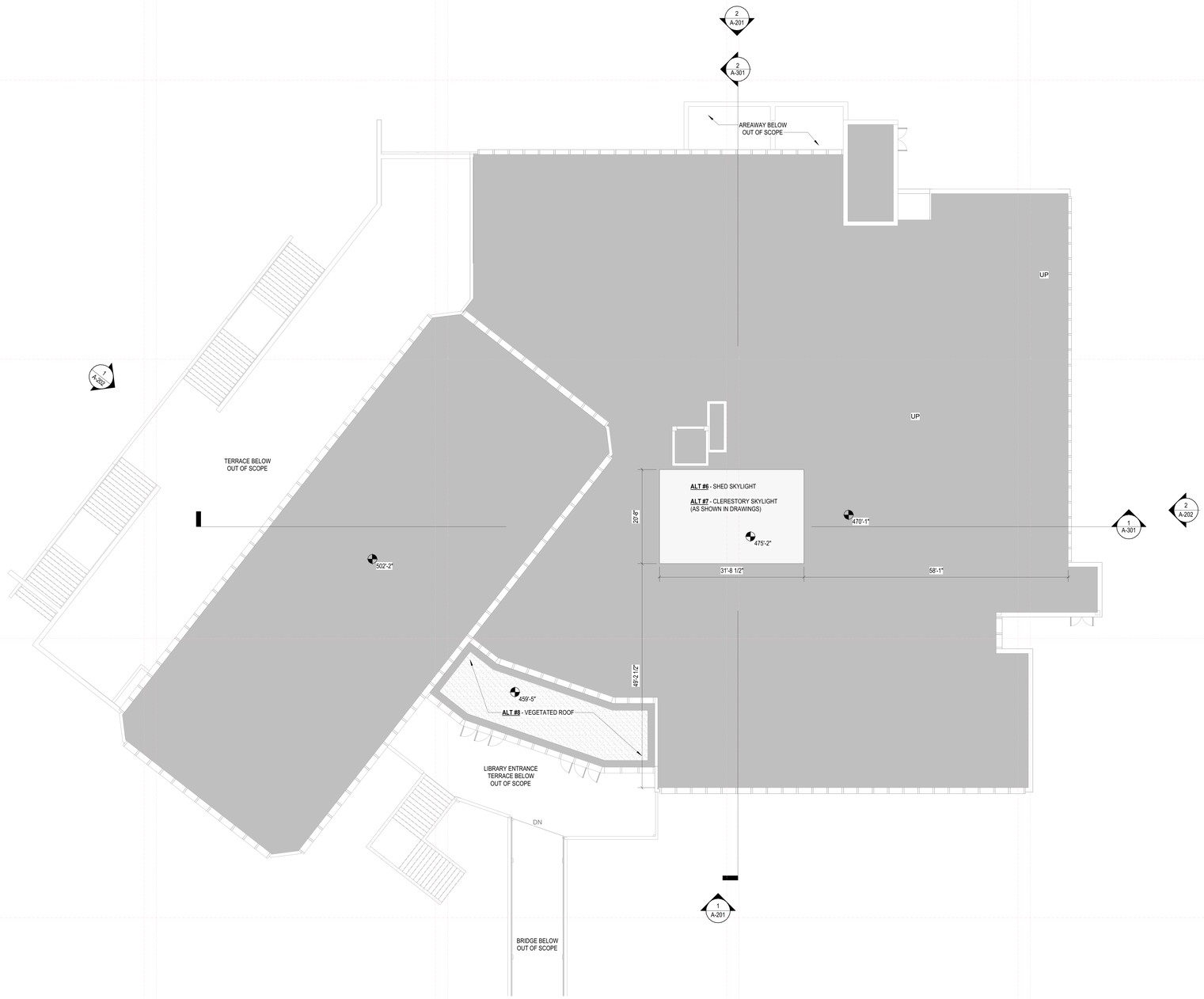

A1 ROOF PLAN- OVERALL

A-1R1 3/32" = 1'-0"

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ROOF PLAN GENERAL NOTES

1. TAPERED INSULATION REQUIRED AROUND ALL ROOF TOP EQUIPMENT
2. WALK WAY PADS TO BE PROVIDED AROUND ALL MECHANICAL ITEMS THAT REQUIRE SERVICE AND BETWEEN ROOF HATCHES AND ROOF LADDERS
3. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL ROOF EQUIPMENT AND PENETRATIONS
4. 5" CONCRETE HOUSEKEEPING PAD AT RTU, REF. MECH FOR LOCATION

SHEET KEYNOTES

(XX) (A)

NUM.	NOTE
A	ARCHITECTURAL PLAN NOTE

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Project Number:	224112.00
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Drawing
ROOF PLAN

A-1R1

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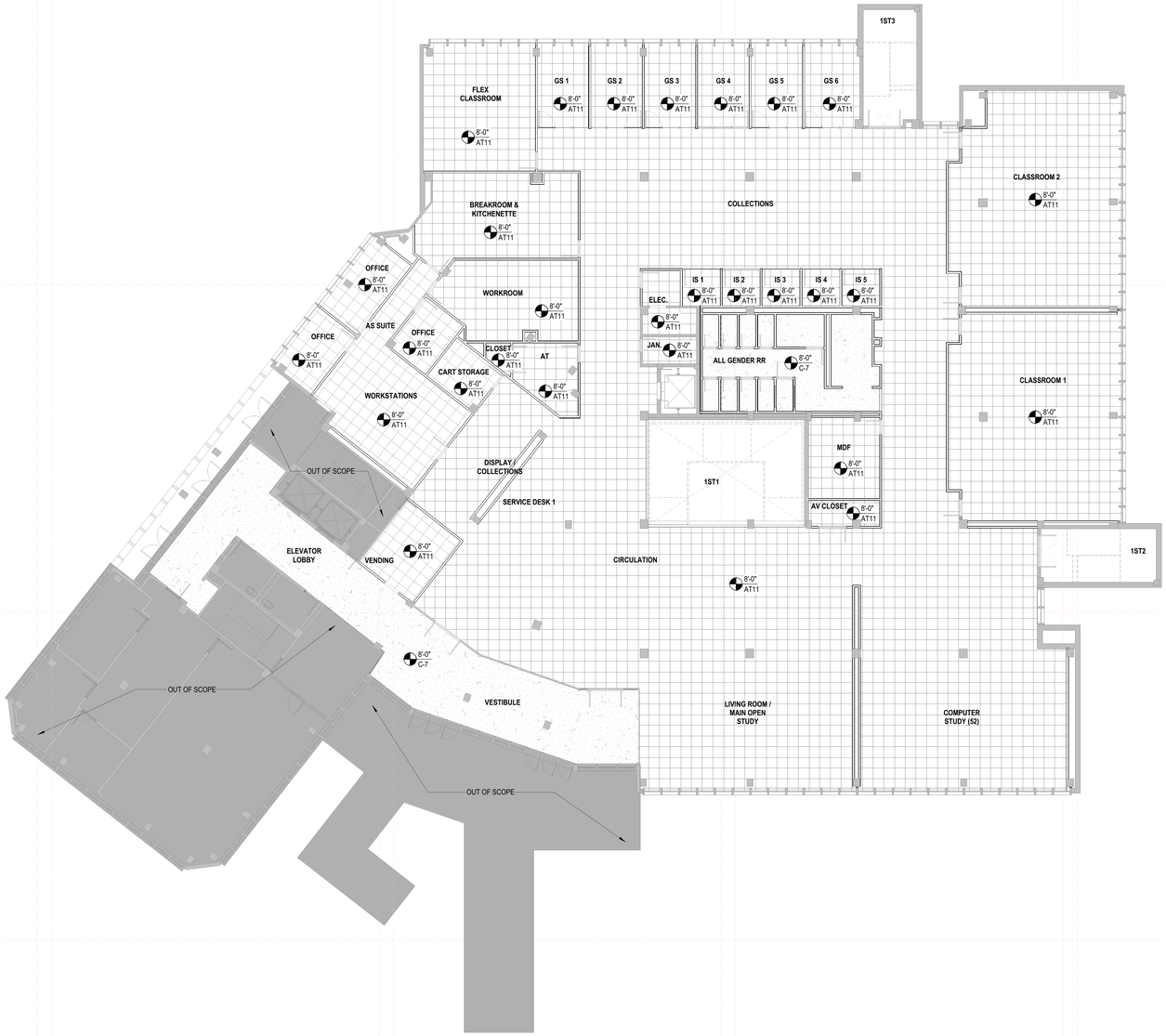

A1 REFLECTED CEILING PLAN- LEVEL 02

AC101 3/32" = 1'-0"

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RCP GENERAL NOTES

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CEILING PLAN LEGEND

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C-7 - GYPSUM BOARD CEILING ON METAL STUD FRAME

SHEET KEYNOTES

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A1 REFLECTED CEILING PLAN- LEVEL 03

AC102 3/32" = 1'-0"

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CEILING PLAN LEGEND

AT11 - 2'x2' SUSPENDED ACOUSTICAL TILE CEILING W/ EXPOSED SUSPENSION GRID

C-7 - GYPSUM BOARD CEILING ON METAL STUD FRAME

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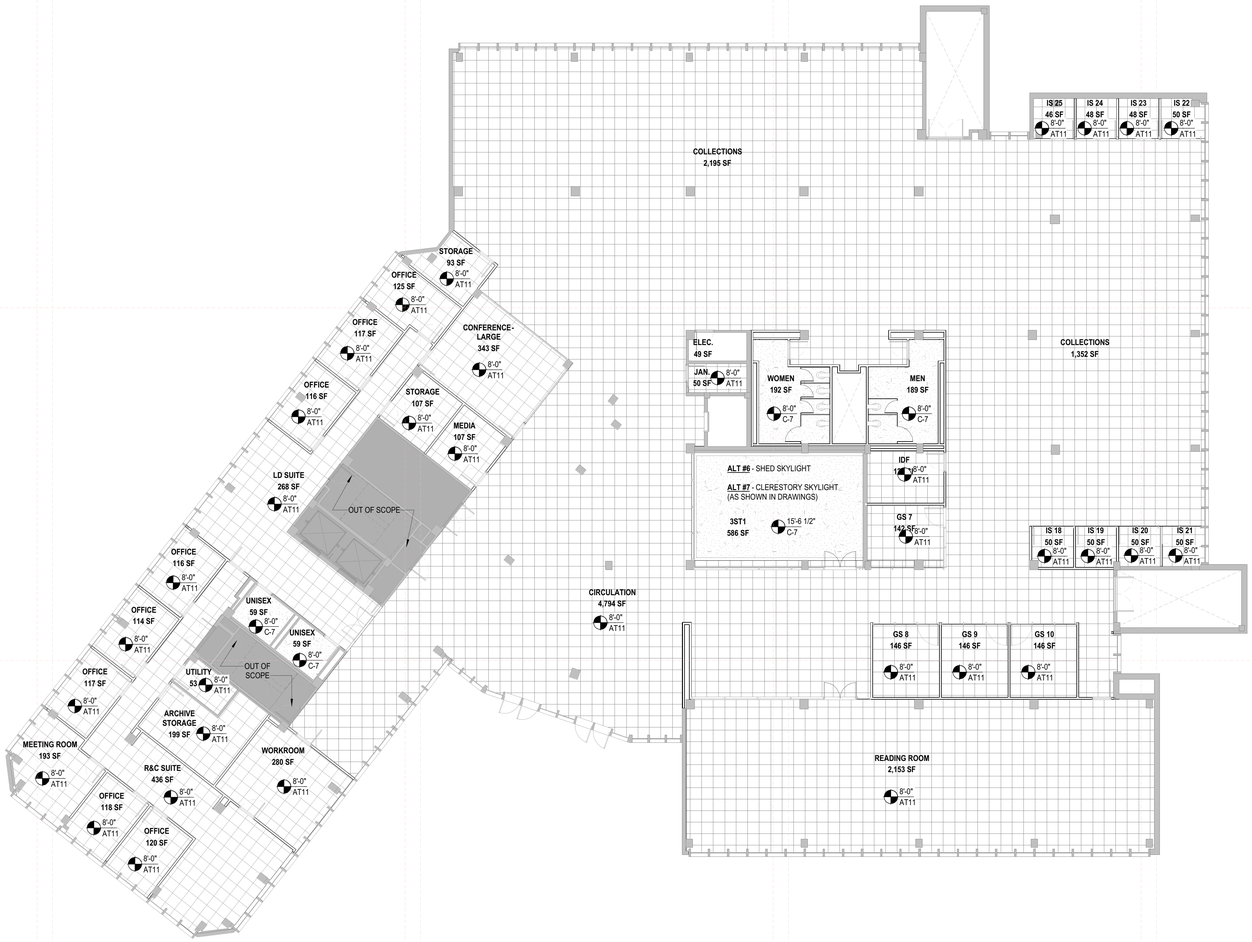

1 REFLECTED CEILING PLAN- LEVEL 04

AC103 3/32" = 1'-0"

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CEILING PLAN LEGEND

AT11 - 2'x2' SUSPENDED ACOUSTICAL TILE CEILING W/ EXPOSED SUSPENSION GRID

C-7 - GYPSUM BOARD CEILING ON METAL STUD FRAME

SHEET KEYNOTES

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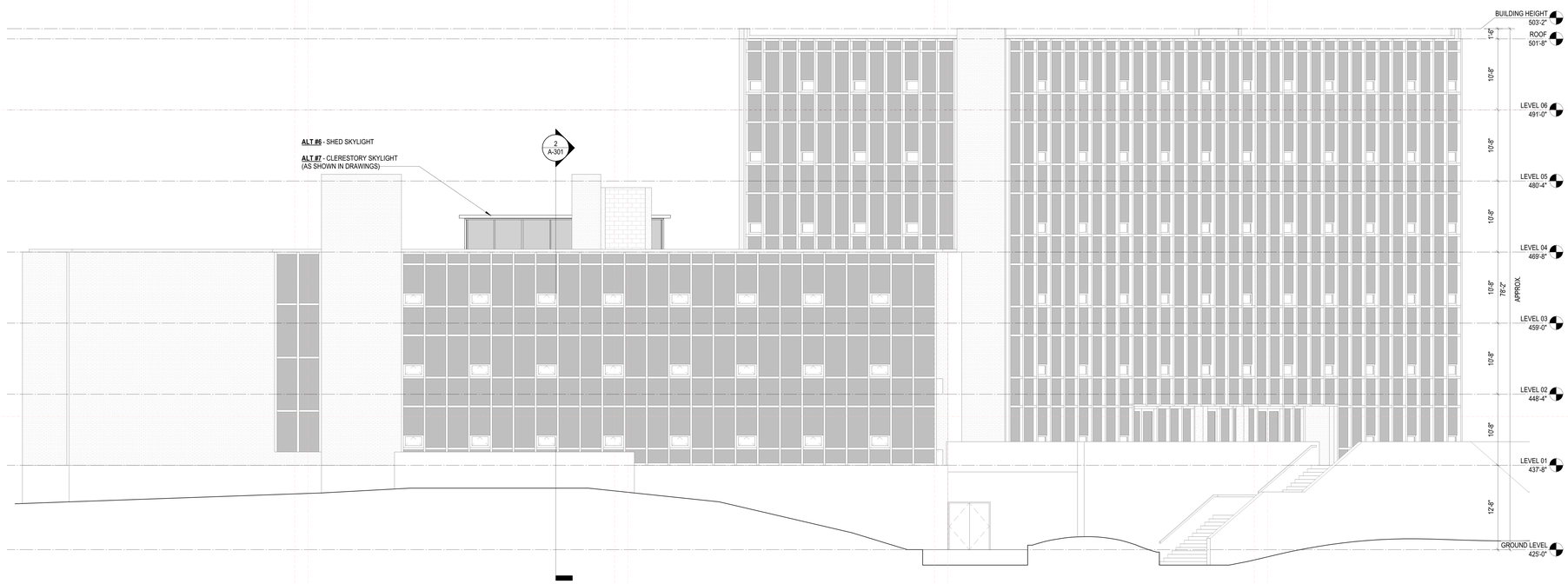

2 ELEVATION- EXTERIOR- NORTH

A-201 1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

1. REFER TO SHEET G001 FOR ARCHITECTURAL ABBREVIATIONS AND SYMBOLS.
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4. REFER TO SHEET [A-501 & A-502] FOR ROOF ASSEMBLIES.
5. REFER TO SHEET [A-501 & A-502] FOR WALL ASSEMBLIES.
6. REFER TO SHEET [A-501 & A-502] FOR FLOOR ASSEMBLIES.

SHEET KEYNOTES

(XX) (A2) ←

NUM.	NOTE
A2	MILLWORK CABINETS

MATERIAL LEGEND

TAG	MATERIAL DESCRIPTION
GL11	GLAZING- INSULATED- 1" (GL11)
GL31	GLAZING- INSULATED- 1" (GLS2)

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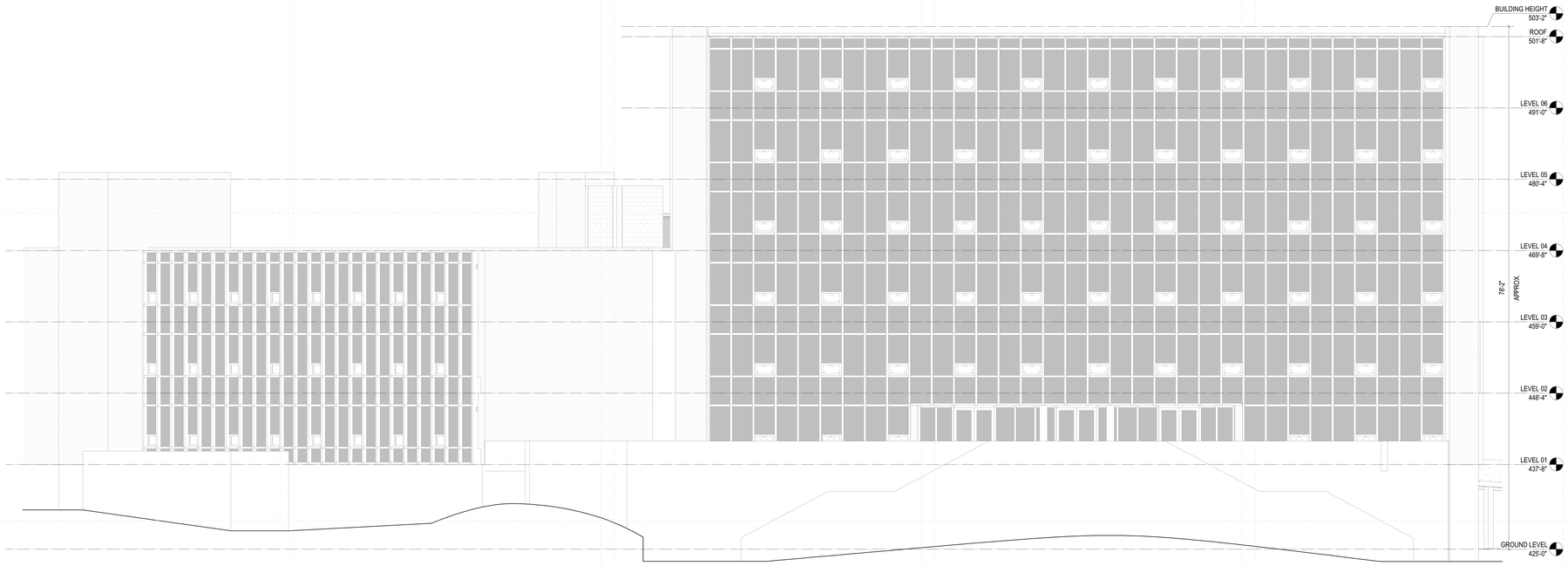
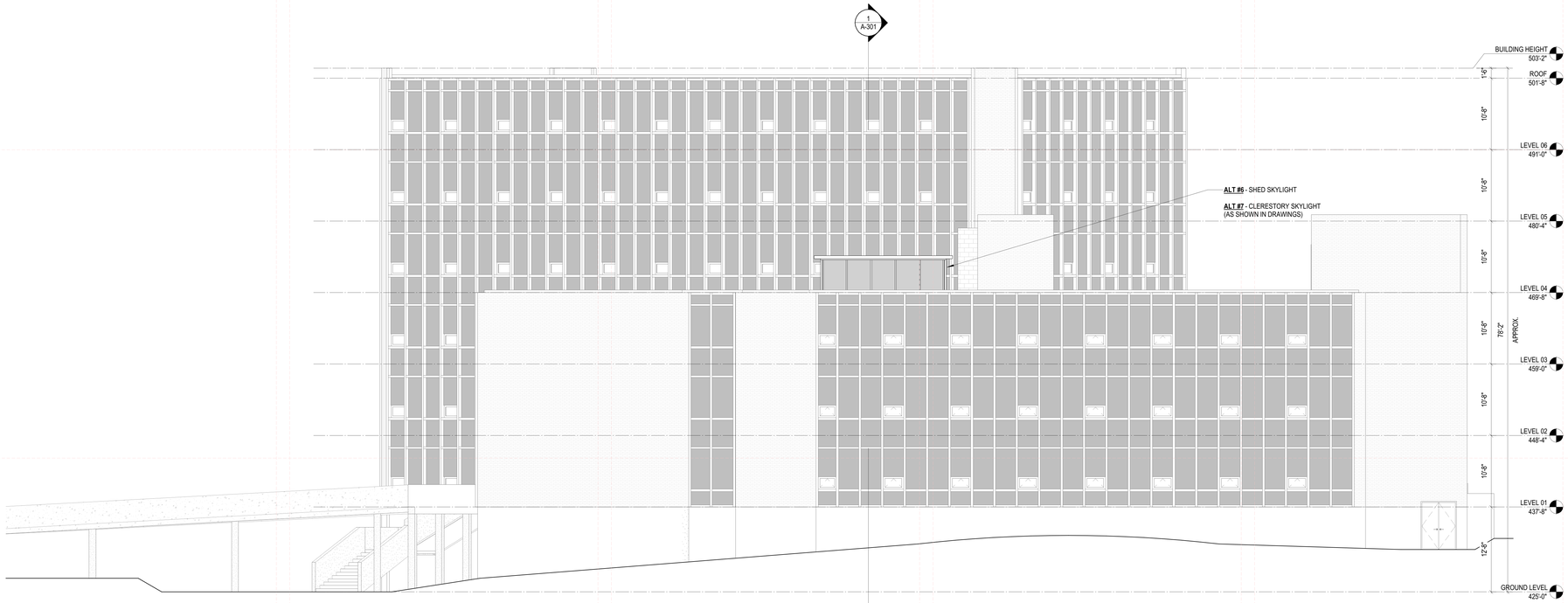


1 ELEVATION- EXTERIOR- WEST

A-202 1/8" = 1'-0"



2 ELEVATION- EXTERIOR- EAST

A-202 1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

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5. REFER TO SHEET [A-501 & A-502] FOR WALL ASSEMBLIES.
6. REFER TO SHEET [A-501 & A-502] FOR FLOOR ASSEMBLIES.

SHEET KEYNOTES

(XX) (A)

NUM.	NOTE
A	ARCHITECTURAL PLAN NOTE

MATERIAL LEGEND

TAG	MATERIAL DESCRIPTION
GL11	GLAZING- INSULATED- 1" (GL11)
GL31	GLAZING- INSULATED- 1" (GLS2)

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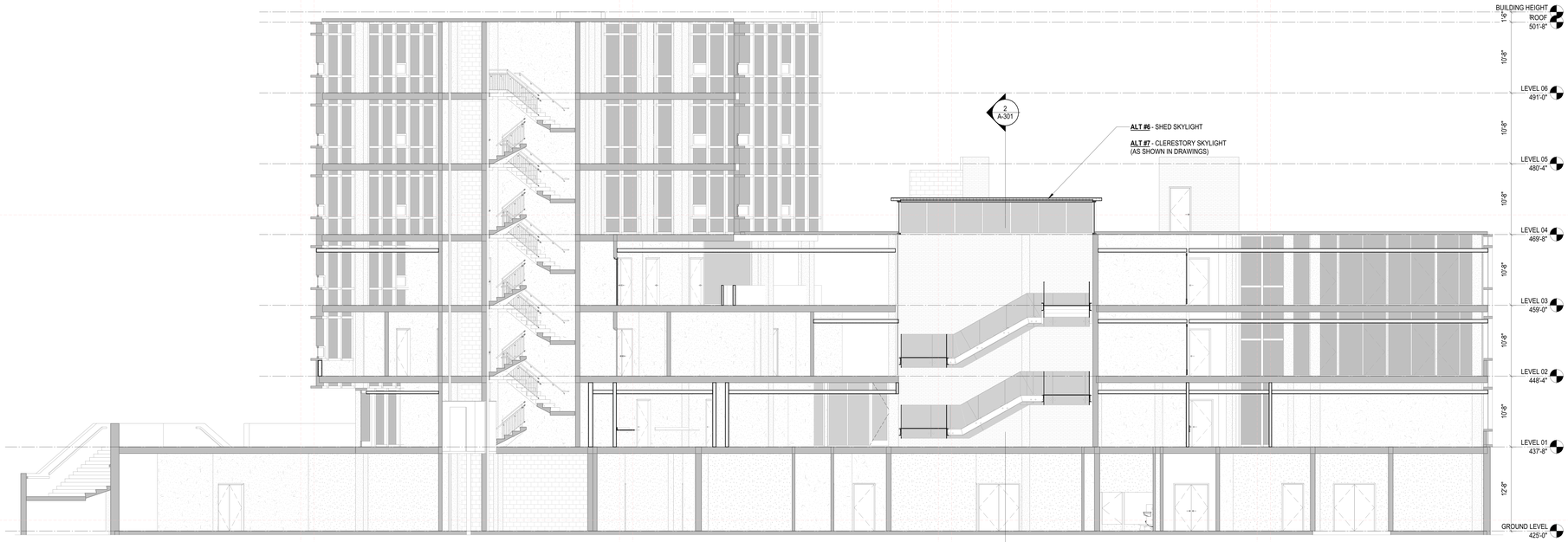
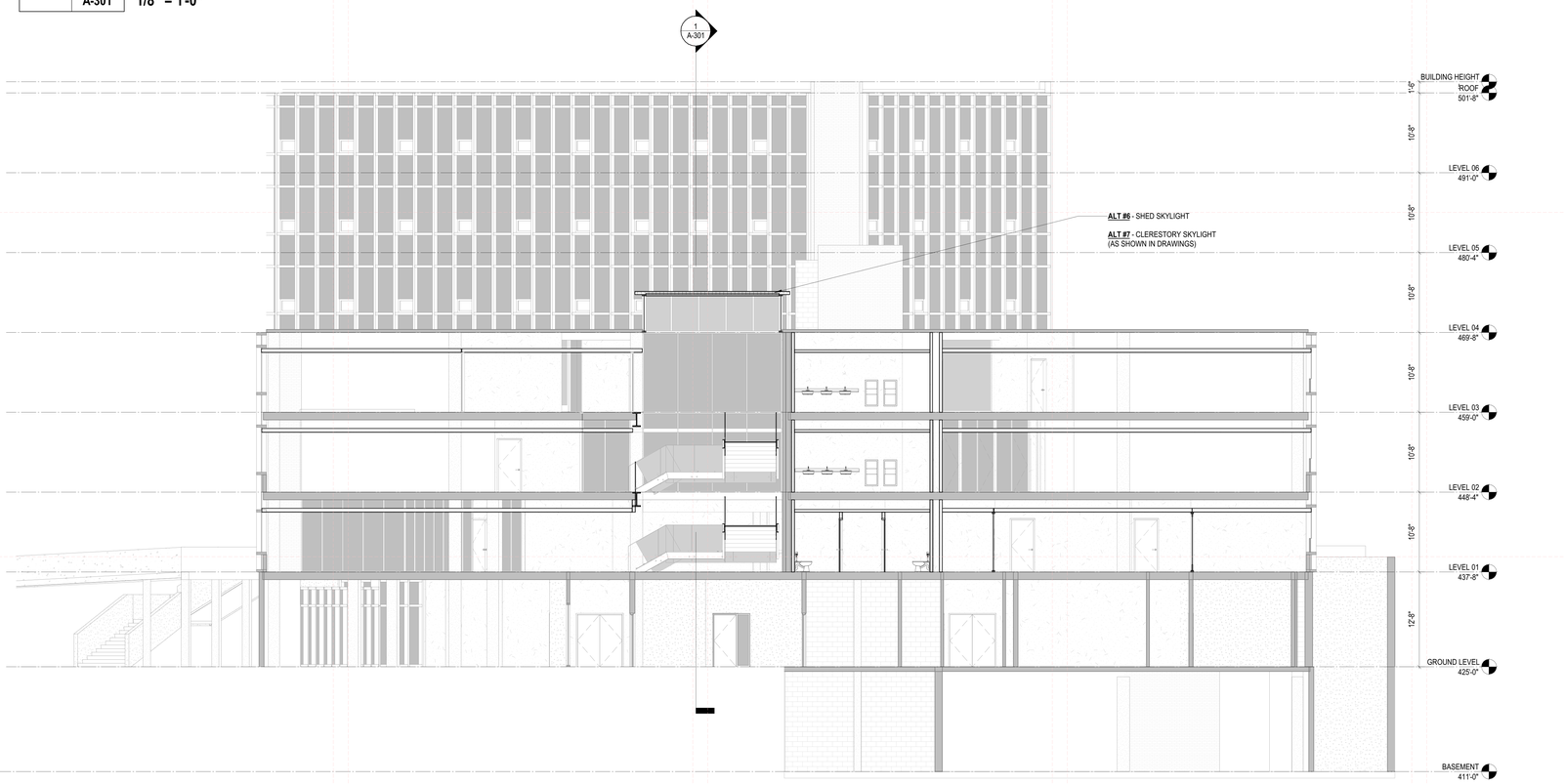


1 Section 11
A-301 1/8" = 1'-0"



2 Section 12
A-301 1/8" = 1'-0"

SECTION GENERAL NOTES

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6. REFER TO SHEET [A-501 & A-502] FOR FLOOR ASSEMBLIES.

SHEET KEYNOTES

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A	ARCHITECTURAL PLAN NOTE

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ADA Report

Montgomery College

ROCKVILLE CAMPUS

GORDAN AND MARILYN MACKLIN TOWER

Draft Report **#TO21-MC022**

FP# 20-065

09.26.2023

Prepared by

Tindale Oliver

is now

benesch

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1.0 Introduction and Location Overview

Introduction

The Americans with Disabilities Act (ADA) of 1990 is a civil rights statute that prohibits discrimination against people with disabilities. The ADA states that designing and constructing facilities for public use that are not accessible to people with disabilities could constitute discrimination. The ADA applies to all facilities, including those built before and after 1990, and public entities are required to perform a self-evaluation of their infrastructure and identify all barriers to accessibility. An ADA Transition Plan shall then be developed to address all ADA related deficiencies.

The ADA Transition Plan is intended to achieve the following:

- Identify physical barriers that limit the accessibility of the facility to individuals with disabilities,
- Describe the methods to be used to make the facility accessible,
- Provide a schedule for removing the barriers to accessibility, and
- Identify the name of the official responsible for the plan's implementation.

To improve access, safety, and accessibility of Montgomery College students, staff and employees with disabilities, the College is conducting an ADA Self-Evaluation and developing an ADA Transition Plan. This will include a thorough assessment of College facilities and campus grounds, as well as a review of policies, programs, and activities. To ensure that the College facilities are accessible for persons with disabilities, Benesch's review includes facility parking, entrances, and exits, accessible routes, curb ramps, handrails, existing indoor and outdoor facilities, doors, restrooms, signage, as well as other amenities.

This report documents the assessment and includes a comprehensive inventory of the Humanities building and identifies and prioritizes improvements to address deficiencies. Information relating to the accessibility of this facility has been collected. The purpose of these data is to improve staff understanding of accessibility issues pertaining to the ADA, the Maryland Building Performance Standards (MBPS) and the Code of Maryland Regulations (COMAR) requirements—specifically, how these regulations relate to individual facilities and how to identify elements and facilities that are in compliance with the ADA and those that are not. This document serves as the ADA Transition Plan's summary report outlining the development of the facility inventory and database of the barriers to accessibility and the prioritization/phasing plan of the improvements. A separate appendix document has been prepared that includes a detailed summary of each violation and recommendation.

Location Overview

The Gordan and Marilyn Macklin Tower (MT) is a total of 117,282 square feet building that was originally constructed in 1971 and was renovated in 2006. The facility is located on the west side of Rockville Campus, off West Campus Drive, adjacent to Science Center West. MT is home to one of Montgomery College's libraries and the business institute.

Figure 1-1 Photo of The Gordan and Marilyn Macklin Tower
(Source: Google Maps)

2.0 Deficiencies and Recommendations

Assessment Process

A walk-thru and assessment of building elements for compliance with applicable accessibility standards was conducted on March 18, 2021, and July 13, 2023, by a Benesch team member, certified by the International Code Council as Accessibility Inspectors/Plans Examiner (AI/PE).

The facility survey addressed each accessible element and space within and external to the facility and included applicable elements such as facility entrances/exits, parking, sidewalks, accessible routes, curb ramps, handrails, signage, existing indoor and outdoor facilities, doors, restrooms, and all other elements covered by the Americans with Disabilities Act Accessibility Guidelines (ADAAG), COMAR and MBPS.

The survey included physical measurements and counts for components or systems. Survey findings were collected and recorded on Benesch's custom Android-based ADA compliance checklist application using a digital tablet. Photos were taken with the tablet of each area of the facility for familiarization and were later referenced to illustrate deficiency findings. A smart-level, measuring wheel, and a tape measure were used to evaluate physical features.

The digital data and photos were then uploaded to a database on Benesch's secure servers for backup. Where appropriate, photos are included in this Accessibility Assessment Report (AAR), as shown in Appendix A, to illustrate issues or deficiencies. The facility survey consisted of non-intrusive visual observations, which allowed for a readily-accessible and easily-visible components and systems assessment of the facility, which included measurements of space and clearance dimensions, slope, walkway widths, reach ranges, maneuverability measurements, etc.

General

The use and occupancy of the Humanities building dictates egress and accessible route requirements consistent with ADAAG regulations. Because the general public regularly accesses the facility, and in the interest of establishing an accessibility compliance baseline condition report of the facility, a full accessibility assessment was conducted. Where deficiencies in compliance with ADAAG, COMAR or MBPS exist, descriptions of the deficiency, regulatory requirement(s) pertinent to the deficiency, a photo showing the deficient element, and recommendations for remediation of the deficiency are shown in Appendix A.

The following sections generally describe and illustrate common barriers to accessibility found throughout the facility and described in detail in Appendix A.

Accessible Routes

Interior Accessible Routes

The requirements listed below also apply to all internal accessible routes used by the public as they navigate the internal corridors of the building, as described in §301 and §401 of the 2010 ADA Standards for Accessible Design.

Standards:

- The surface must be firm, stable, and slip resistant (wet or dry).
- Shall be a 36" minimum wide continuous unobstructed path.
  - The accessible route is allowed to decrease to a width of 32" for a maximum distance of 24", as shown in Figure 2-1.
- Shall have 60"x60" passing spaces at 200' intervals minimum.
- The running slope (parallel to direction of travel) must be equal to or less than 5% (>5% = ramp) for an accessible route. However, a sidewalk is permitted to have a running slope greater than 5% if it follows the slope of the adjacent roadway.
- The cross slope (perpendicular to direction of travel) must be less than or equal to 2%.
- Changes in level between 1/4" and 1/2" must be beveled at 1:2 slope.
- Changes in level greater than 1/2" are not allowed or must be ramped (beveled at a 45-degree slope).
- Gaps in gratings must be no greater than 1/2" wide and openings must be aligned perpendicular to travel.
- Objects with edges between 27" and 80" above the floor are considered protruding objects, as shown in Figure 2-2, if their edges protrude more than 4" horizontally into the circulation path.

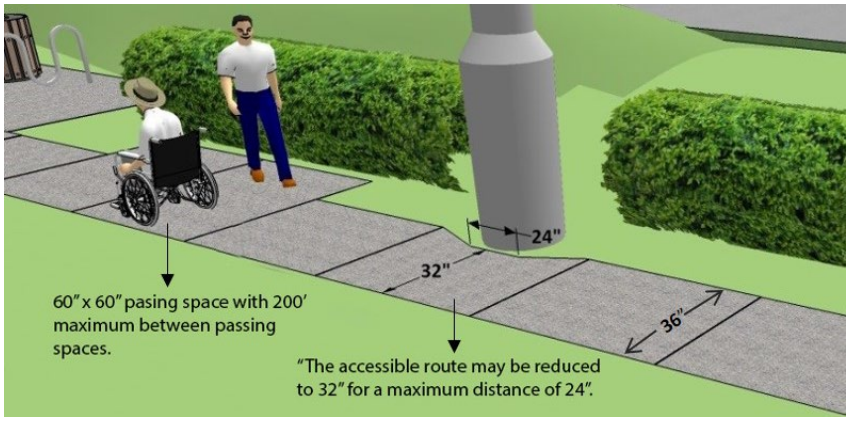

Figure 2-1 Accessible Route Standards Diagram

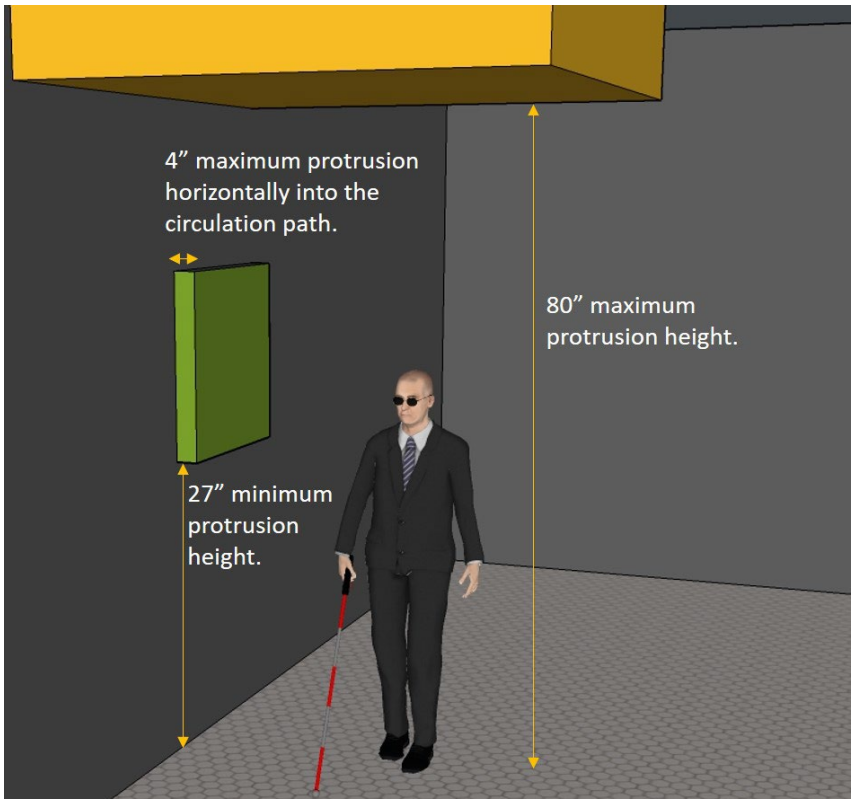

Figure 2-2 Protruding Objects

Ramps

The requirements for a ramp are more stringent than those of an accessible route, as listed in §405 of the 2010 ADA Standards for Accessible Design and described below.

Standards:

- Shall have a minimum of a 36” wide continuous unobstructed path.
- The running slope (parallel to direction of travel) must not be steeper than 8.3%.
- The cross slope (perpendicular to direction of travel) must be 2% or less.
- The rise shall be 30” maximum.
- Landings must be located at the top and bottom of all ramp runs and must be a minimum of 60” long and at least the width of the ramp.
    - Ramps that do not have level landings at changes in direction can create a compound slope. Curvilinear ramps continually change direction and cannot, by their nature, meet the requirements for accessible routes.
- Ramp runs with a rise greater than 6” shall have handrails and edge protection.

Handrails

Handrails along ramps and stairs shall comply with §405.8 and §505 of the 2010 ADA Standards for Accessible Design.

Standards:

- Handrails must be provided along ramps and stairs. Where handrails are required, they must be installed on both sides of the ramp or stairs.
- Handrail gripping surfaces shall be installed at a height of 34” minimum and 38” maximum above the walking surface, stair nosing, and ramp surface.
- The clearance between handrail and adjacent surface shall be 1 ½” minimum.
- Ramp handrails shall extend 12” minimum beyond the top and bottom of ramp runs. Extensions shall be continuous and return to a wall or be continuous to the handrail of an adjacent ramp run.
- At the top of the stairs, handrails shall extend horizontally 12” minimum directly above the stair riser and shall return to the wall or guard, as shown in Figure 2-3.
- At the bottom of the stairs, handrails shall extend a distance at least equal to one tread depth beyond the last riser and return to the wall or guard, as shown in Figure 2-3.

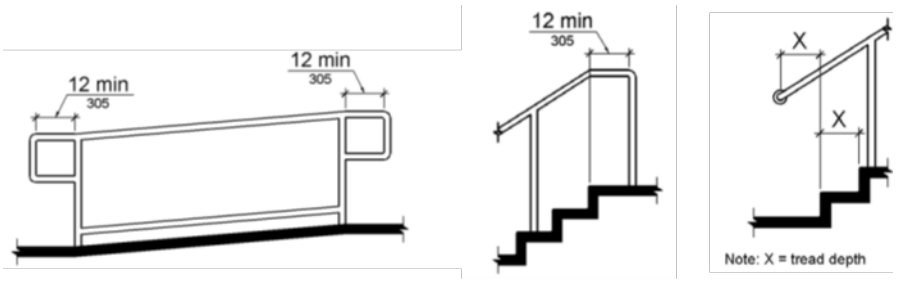

Figure 2-3 Handrails

Doors and Doorways

Doors and doorways that are part of accessible routes and shall comply with §404 of the 2010 ADA Standards for Accessible Design.

Standards:

- Sixty percent (60%) of all public entrances shall be accessible. Directional signs shall be provided to guide users to the nearest accessible means of egress.
- Accessible doors shall have a clear width of 32” minimum measured between the face of the door and the stop.
- If thresholds are provided, they shall be ½” high maximum.
- The distance between two doors in series shall be 48” minimum plus the width of the door swinging into the space.
- The maneuvering clearance varies depending on type of door and direction of approach. The most commonly used door with a front approach, requiring the user to pull to it, shall have a 60” maneuvering clearance perpendicular to doorway and 18” parallel to doorway, as shown in Figure 2-4.
- Operable parts such as door handles, pulls, latches and locks shall be located 34” minimum and 48” maximum above the floor.
- The door closing speed from a 90-degree open position to 12 degrees shall be 5 seconds minimum.

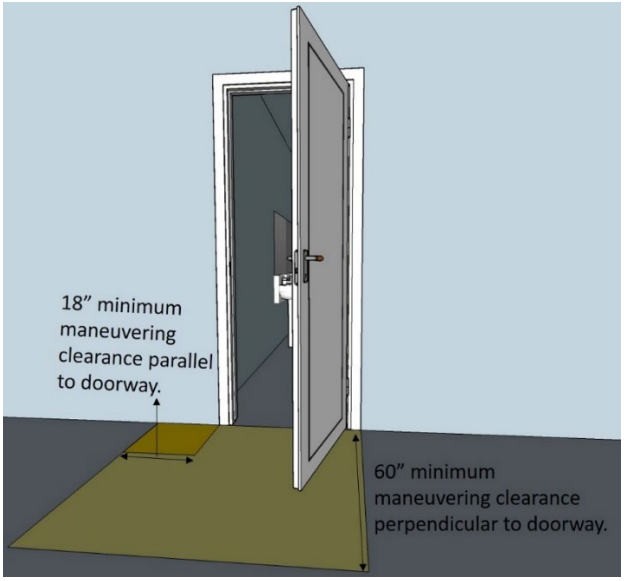

Figure 2-4 Accessible Maneuvering Clearance at Doorway

Amenities

Reach Range

Reach range standards, as described below and shown in Figures 2.6, 2.7, and 2.8, were used to determine if an amenity can be accessed by a person in a wheelchair. Reach range requirements shall comply with §308 of the 2010 ADA Standards for Accessible Design.

Standards:

- A level, 30”x48”, firm, stable, and slip-resistant clear floor space must be present adjacent to the amenity.
- Forward Approach:
  - The unobstructed minimum vertical reach range is 15” and maximum is 48” above the floor, as shown in Figure 2.5.
  - The obstructed reach range is 48” maximum above the floor if the horizontal obstruction depth is 20” maximum, and 44” maximum if the horizontal depth is between 20"–25”, as shown in Figure 2.6.
- Side Approach:
  - The unobstructed side reach range is 15” minimum and 48” maximum above the floor. These same dimensions are permitted where an obstruction depth is 10” maximum, as shown in Figure 2.7.
  - Where the side reach is over an obstruction, the height of the obstruction is 34” maximum and the depth of the obstruction shall be 24” maximum. The high side reach shall be 48” maximum for a reach depth of 10” maximum. Where the reach depth exceeds 10”, the high side reach shall be 46” maximum for a reach depth of 24” maximum.

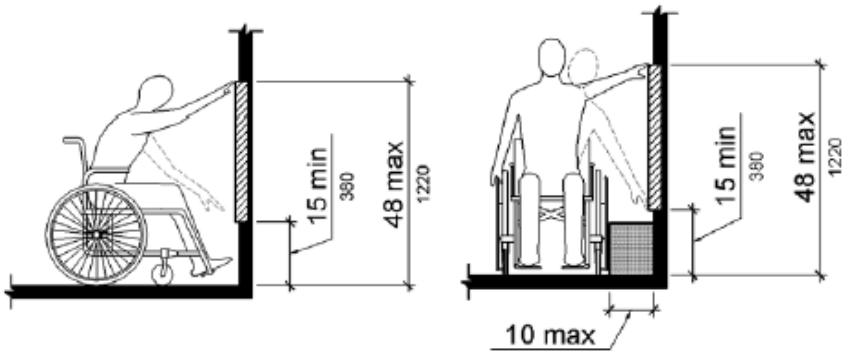

Figure 2-5 Unobstructed Reach Range

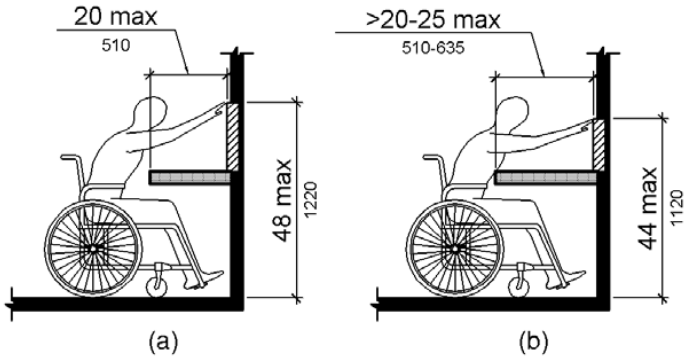

Figure 2-6 Obstructed Reach Range

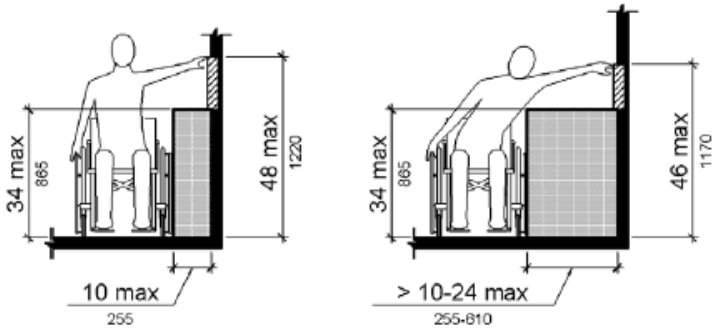

Figure 2-7 Side Obstructed Reach Range

Care should always be taken when designing or improving an accessible route within a building to keep the path free of obstructions. Amenities such as benches, garbage cans, and drinking fountains must be placed to not interfere with the accessible path but, at the same time, must be located on an accessible route, within reach range, and not act as a protruding object. Not only can these obstructions prevent visitors from accessing and using the amenities, but they can also present a potential safety concern.

It should be stressed that amenities that are located off the accessible path are considered inaccessible. For items to be accessible, they must be located on, adjacent to, or within reach of a firm, stable, and slip-resistant surface, as shown in Figure 2.8.

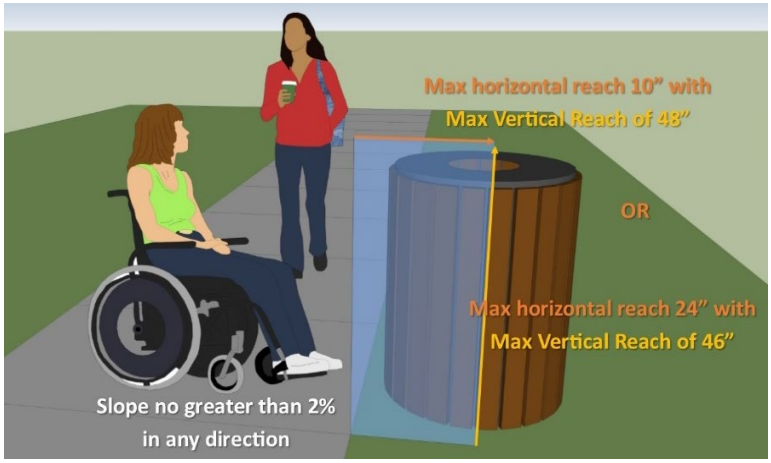

Figure 2-8 Accessible Garbage Can

To help clear existing accessible paths from obstructions and to identify those features that are currently inaccessible, data on infrastructure were collected in the field to determine if they present an obstruction or are inaccessible. Based on the data collected, the difficulty level of remediating a barrier to accessibility could range from moving a bench to an accessible location to designing and installing a new accessible route to an amenity.

Drinking Fountains

Drinking fountains, like all amenities, must be accessible, as described in §602 of the 2010 ADA Standards for Accessible Design.

Standards:

- Drinking fountains shall be connected to an accessible route.
- The clear floor space, positioned for a forward approach, adjacent to the drinking fountain shall:
  - Be a minimum of 30”x48” in size.
  - Not have any slope greater than 2%.
  - Have a firm, stable, and slip resistant surface.
- Where drinking fountains are provided, there shall be at least two.
  - For a low fountain, the waterspout height shall be 36” maximum above the floor.
  - For standing persons, the waterspout height shall be 38” minimum and 43” maximum above the floor.
- The spout shall provide a flow of water 4” high minimum and shall be located 5” maximum from the front of the unit.

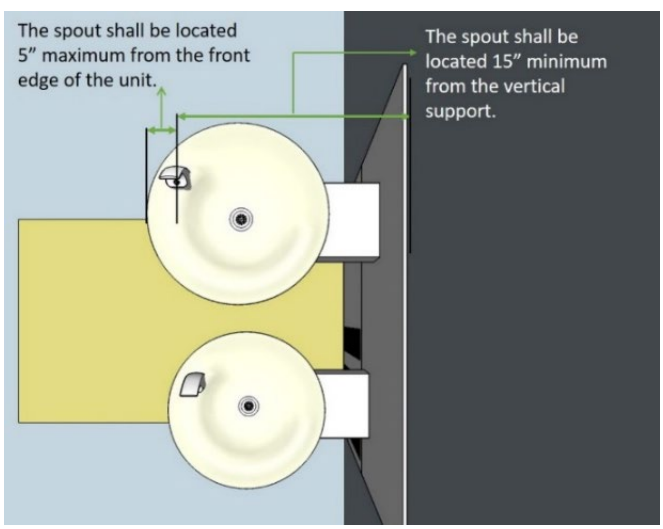

Figure 2-9 Drinking Fountain Location

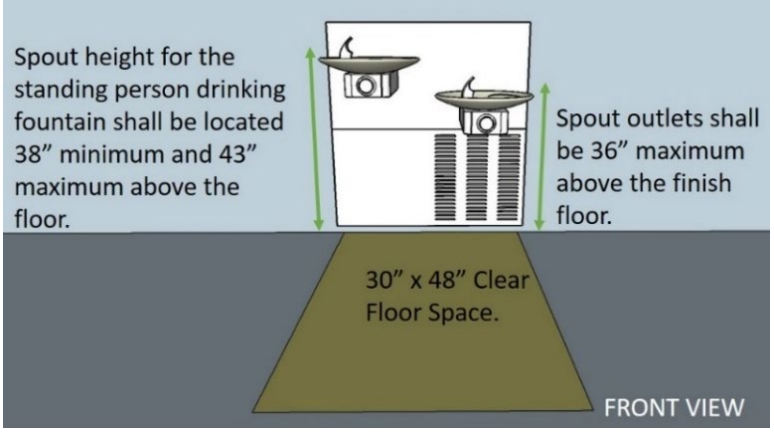

Figure 2-10 Drinking Fountain Specifications

Service Counters

Service and sales counters, like all amenities, must be accessible, as described in §904.4 of the 2010 ADA Standards for Accessible Design.

Standards:

- The accessible portion of the countertop shall extend the same depth as the sales or service countertop.
- For a parallel approach, a portion of the counter surface that is 36" long minimum and 36" high maximum above the finish floor shall be provided.
    - A clear floor or ground space complying with §305 shall be positioned for a parallel approach adjacent to the 36" minimum length of counter.
- For a forward approach, a portion of the counter surface that is 30" long minimum and 36" high maximum shall be provided.
    - Knee and toe clearance shall be provided under the counter.
        - Toe clearance shall extend a minimum of 17" to a maximum of 25" under the counter.
            - The clearance under the element shall be 9".
        - Knee clearance shall extend a minimum of 11" to a maximum of 25" under an element at 9" above the floor.
    - A clear floor or ground space complying with §305 shall be positioned for a forward approach to the counter.

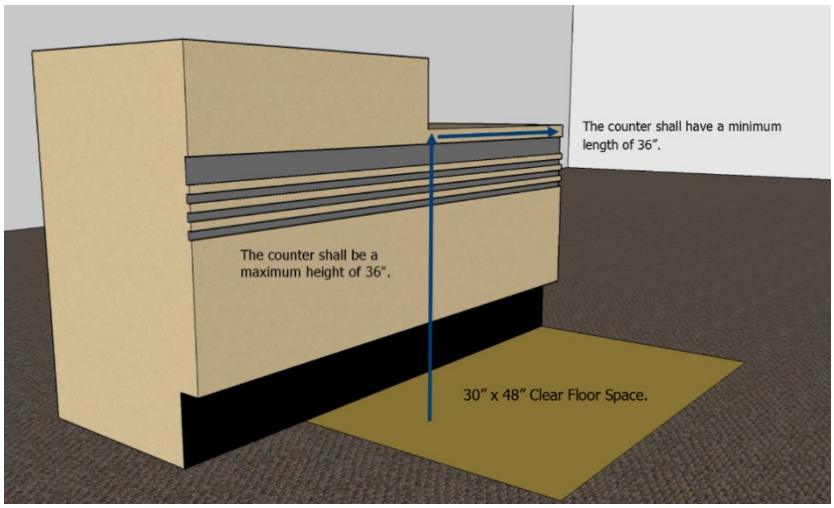

Figure 2-11 Parallel Approach Service Counter

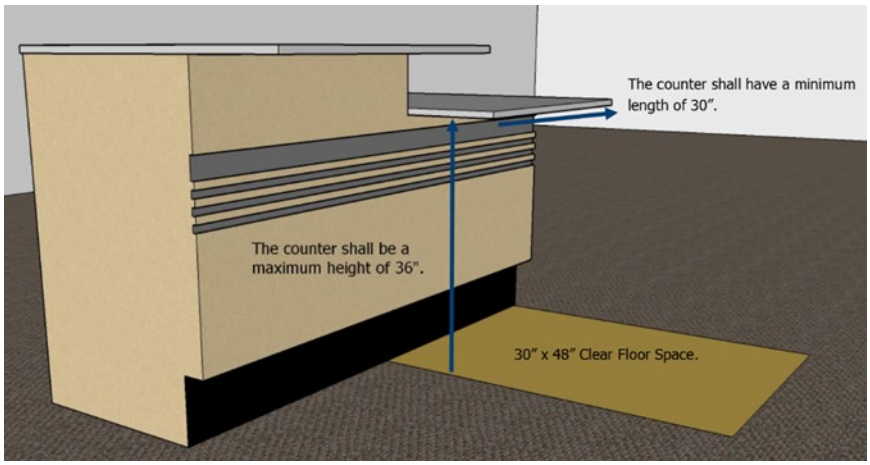

Figure 2-12 Forward Approach Service Counter

Dining and Work Surfaces

Dining and work surfaces must be accessible as described in §902 of the 2010 ADA Standards for Accessible Design.

Standards:

- Clear floor space complying with §305 positioned for a forward approach shall be provided.
- The tops of dining surfaces and work surfaces shall be 28" minimum and 34" maximum above the finish floor or ground.
- Accessible dining surfaces and work surfaces for children's use shall comply with §902.4.

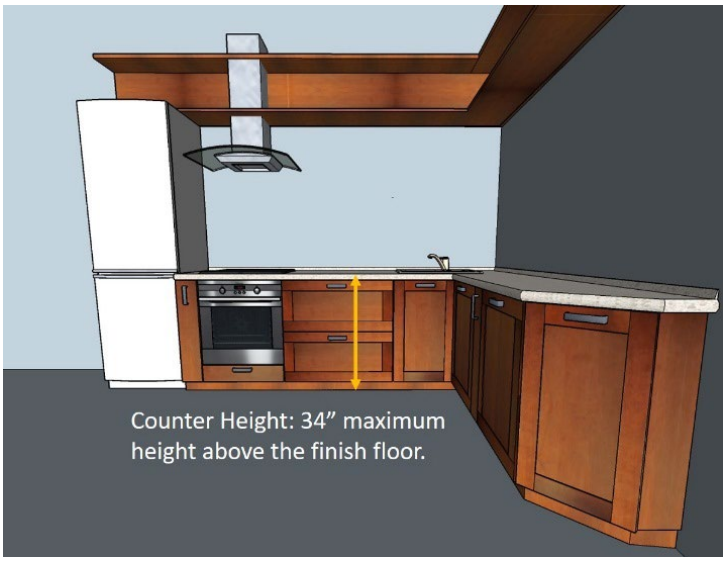

Figure 2-13 Accessible Dining and Work Surface

Restrooms and Locker Rooms

Toilet Compartments

Restrooms are not required by the ADA. However, if provided, then accessible restrooms must also be available per §604 of the 2010 ADA Standards for Accessible Design.

Standards:

- Toilet compartment:
  - The toilet compartment shall be 56” minimum measured from the back wall and 60” minimum measured from the side wall for wall hung water closets.
  - The toilet shall be located 16” minimum to 18” maximum from the sidewall for wheelchair accessible stalls, as shown in Figure 2-14.
  - Seat heights shall be 17” minimum to 19” maximum above the floor.
  - A 60” wide turning space shall be provided within the room. Turning space, clear floor space, and clearance at fixtures shall be permitted to overlap. Doors shall be permitted to swing into the turning space but shall not swing into the clear floor space or clearance at fixtures.
  - Flush controls shall be hand-operated or automatic. Flush controls shall be located on the open side of the toilet.
- Urinals shall be installed at a maximum height of 17” above the floor and a minimum depth of 13 ½” measured from the outer surface of the urinal to the back wall.

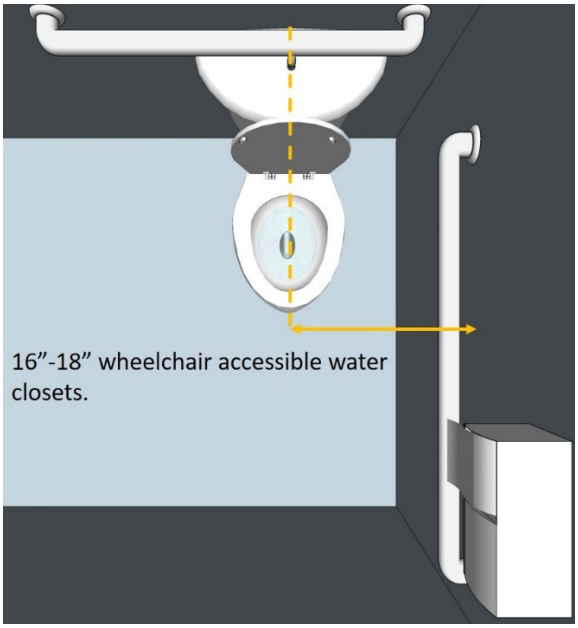

Figure 2-14 Toilet Location

Toilet Paper Dispenser

Issues with toilet paper dispenser placement must comply with §604.7 of the 2010 ADA Standards for Accessible Design, as described below:

Standards:

- Dispensers shall be installed at a height of 7” minimum to 9” maximum in front of the toilet measured to the centerline of the dispenser.
- The outlet shall be within the reach range of 15” minimum and 48” maximum above the floor.
- The toilet paper dispenser shall not be located behind grab bars.
- There shall be a 1 ½” minimum clearance below the grab bar. Dispensers shall not be the type that controls delivery or that does not allow continuous paper flow.

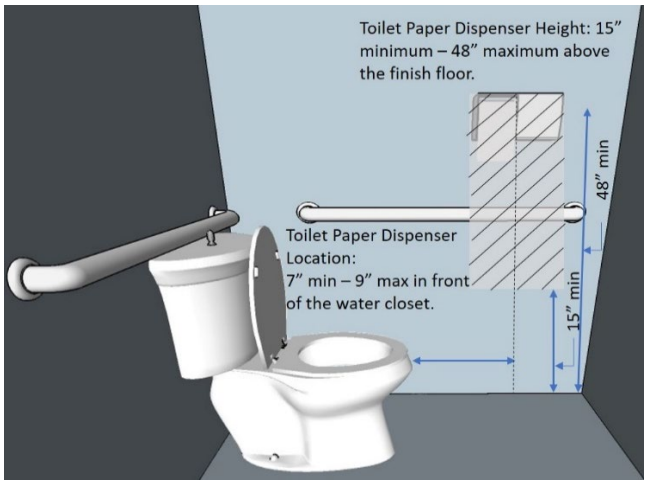

Figure 2-15 Toilet Paper Dispenser

Grab Bars

Grab bars in restrooms must comply with §604.5 of the 2010 ADA Standards for Accessible Design.

Standards:

- Toilet compartment:
  - The sidewall grab bar shall be 42” long minimum, installed at 12” maximum from the back wall.
  - The back-wall grab bar shall be 36” long minimum and extend 12” minimum from the centerline of the toilet on one side and 24” minimum on the other side.
  - The top gripping surface of the grab bars must be 33” minimum and 36” maximum above the floor.

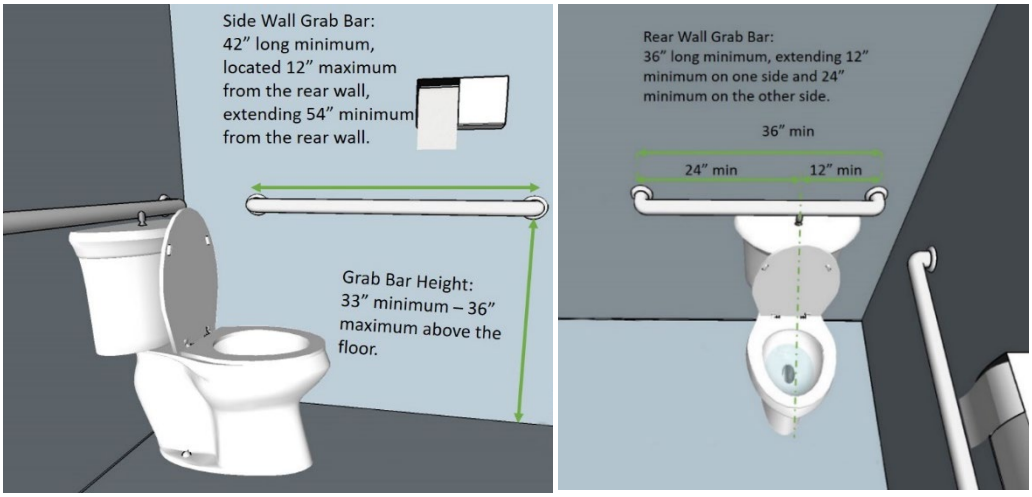

Figure 2-16 Grab Bars

Sink and Mirror

Standards:

- Sinks shall be installed at a maximum height of 34” above the floor.
    - Pipes shall be insulated and configured to prevent contact.
- Mirrors located above sinks shall be installed at a maximum height of 40” above the floor, measured at the bottom of the reflecting surface.
- Coat hooks and shelves shall be located at a minimum reach range of 15” and maximum 48” above the floor.
    - Shelves shall be located 40” minimum and 48” maximum above the floor.

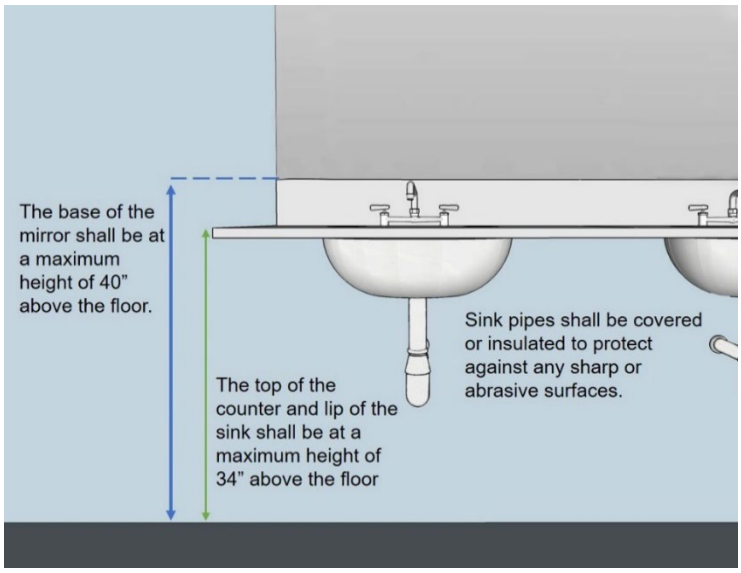

Figure 2-17 Bathroom Sink and Mirror

Room Signage

Signs are required to designate permanent rooms and places, per §701 of the 2010 ADA Standards for Accessible Design. In addition, exit doors must be identified by tactile (raised characters and Braille) signs.

Standards:

- Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side.
- Signs containing tactile characters shall be located so that a clear floor space of 18” by 18” minimum, centered on the tactile characters, is provided beyond the arc of any door swing.
- Signs shall be installed 48” minimum above the floor, measured from the lowest character, and 60” maximum above the floor measured from the highest character.
- Signage characters and their background shall have a non-glare finish. The characters shall be high contrast compared to their background.

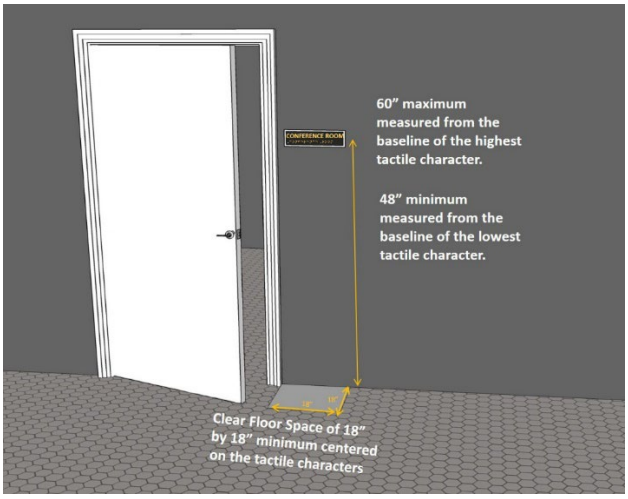

Figure 2-18 Room Signage

3.0 Prioritization

The barriers to accessibility were prioritized on a 10-point scale, as defined in Table 3.1. This prioritization methodology has been developed by Benesch to assist Montgomery College in determining how the barriers to accessibility can be prioritized based on the severity of the non-compliant item, the existing level of accessibility, and the basic level of accessibility each remediated item will provide.

Priority		Criteria
High	1	• Major safety issues (dangerously steep slopes, large protruding objects, etc.)
	2	• New construction built out of compliance • Older construction severely out of compliance (accessible routes, ramps, etc.) • Alterations that did not bring required elements into compliance
	3	• Non-compliant accessible route from parking to building entrances (bad slopes, gravel surface, etc.) • No accessible route to adjacent sidewalk system, when provided • No accessible restroom stalls • No accessible parking, insufficient number of spaces, or severely non-compliant parking (bad slopes, gravel surface, extremely narrow, etc.) • Severely non-compliant accessible route (structural solution) • No tactile signage identifying exits and permanent rooms
	4	• Non-compliant parking (structural solution) • Non-compliant counter heights (break room, multipurpose rooms) • No directional signage provided to accessible amenity (interior and exterior) • No detectable warnings present at curb ramps
Medium	5	• Non-compliant exterior or interior door clearances (width issues, protruding objects) • Protruding objects obstructing clear pathway (fire extinguishers, AED units) • Non-compliant restroom amenities (sink, water closet, urinal, mirror) • Non-compliant public access spaces (conference rooms, classrooms)
	6	• No accessible drinking fountains (missing a high or low fountain) • Non-compliant door hardware (doorknob that requires twisting or pinching) • Non-compliant showers/changing areas (locker rooms)
	7	• Non-compliant amenities (picnic tables, benches, vending machines, etc.) • Accessible route with moderate access issues (level changes that can be ground down) • Non-compliant detectable warnings at curb ramps (high contrast, inadequate length)
Low	8	• Non-compliant reach ranges (vending machines, garbage cans, AED units) • Non-compliant tactile signage at doorways or elevators (height, placement) • Accessible seating is not integrated, on a minor sloped area, or inaccessible
	9	• Non-compliant parking (faded striping, signage)
	10	• Minor level changes, gaps, or cracks in accessible route • Non-compliant drinking fountains

Table 3-1 Prioritization Designations

4.0 Implementation and Financial Plan

As identified in Appendix A, improvements required to bring facilities into full compliance were identified. The next step in the process is the development of an Implementation and Financial Plan for improvements. This was undertaken through the following efforts:

- Preparing cost estimates for the required improvements
- Reviewing the specific improvements in more detail and categorizing them into two separate groups:
  - Short-term (quick fix) improvements
  - Long-term improvements that require more time, effort, and/or funding

Development of Costs

For the Implementation and Financial Plan, unit costs for each type of improvement were developed. These unit costs were based on local and state data, recent experiences with other agencies and, when available, standard industry costs when local data were not available. **It is important to note that the unit costs include across-the-board assumptions that will need to be reviewed prior to the actual improvement being completed**.

Table 4.1 provides a summary of the total improvement costs, based on their associated priority, as well as the total estimate of probable cost by improvement type. Note that the costs included in the table are planning-level estimates; once the projects progress through design, the actual construction opinions of cost will become more refined.

It should be noted that the estimates are intended to reflect the order-of-magnitude costs for the College's overall facility improvement needs over the timeframe of the plan; for specific projects nearing implementation, it may be necessary for the College to conduct a more detailed cost assessment.

Category	Estimate of Cost
High	**$34,350**
Medium	**$79,000**
Low	**$20,300**
Total	**$133,650**
Quick-Fixes	***$47,850***

Table 4-1 Cost Summary

Implementation Plan

The Implementation and Financial Plan was developed to identify when the improvements should occur based on the relative priority of the improvements and anticipated level of funding that will be available to address them.

It would be ideal if the College could take advantage of "piggybacking" needed improvements with other planned facility improvement and renovation projects. This would permit the College to benefit either because the project directly addresses some or all the needed improvements or the project allows the College to reduce its improvement costs due to concurrent construction activities. The amount of implementation costs that could potentially be saved by completing the improvements concurrent with planned projects is not known at this time. Therefore, potential cost savings through fund leveraging are not included in the Implementation and Financial Plan at this time. In the future, should the College desire to estimate the amount of costs that could be reduced through fund leveraging, the cost of the improvements for those impacted improvements may be adjusted.

To develop the initial plan, as listed in Appendix A, the list of improvements was sorted by priority. Quick-fix items were assumed to be completed within the current year. High priority items were generally planned to be completed the following year, followed by Medium and Low priority items. However, it should be noted that some of these items will also get fixed in the short-term by the contractor before the College officially takes ownership of the facility.

It should be stressed that the Implementation and Financial Plan serves as a general guide for the planning of improvements and that several factors will influence the timing for implementation of specific improvements and the overall cost of the program, including:

- Opportunities for partnering with other agencies or organizations on implementing improvements.
- Specific site conditions at individual locations, including landscaping, utilities, drainage, which can have a significant impact on the type of improvements required and the associated cost.
- Contracting opportunities, including awarding a unit price contract for the implementation of improvements at multiple locations.
- Additional opportunities to relocate or consolidate individual amenities.

On an annual basis, the College's ADA Coordinating team will supervise the revisions to the ADA Transition Plan and the list of needed improvements will be reviewed against the funding that is available that year to develop a specific work program. As previously mentioned, this will involve development of more detailed cost estimates based on a review of site conditions at individual locations.

Appendix A presents an example of the phased implementation plan by listing the improvements and their proposed priority and associated probable costs. It should be stressed that the costs are good faith estimates of probable cost, with the ultimate costs dependent upon how the work is undertaken, site conditions at individual locations, and material and labor prices in future years. The number of items that are consolidated, modified, relocated, or removed will also be an important variable, as will be the amount of work that will be the responsibility of other entities.

Due to the unknown level of funding currently available for accessibility improvements, current renovation schedule, and the completion of the quick-fix improvement list, the items recommended for improvement for each year of the program are not necessarily the highest-ranking items on the priority list. However, as the improvement program progresses, high-ranking items that were not initially improved should be included in future years.

It should be noted that the prioritization rankings/implementation plan is just a guide. The number of items improved each year and the specific locations chosen for improvement may vary due to factors such as actual costs of the improvement. As such, the improvements will need to be reviewed and a work program developed specifying the improvements that will be undertaken on an annual basis. The improvements would be undertaken through task orders. It is envisioned that the effort could focus on implementation of improvements within specific sections of the building or would occur with groups of similar improvements throughout campuses both of which could enable improvements to be implemented more quickly.

It should be stressed that this plan is presented as an overall guide to the implementation of improvements. College staff will need to review the needed improvements and the available funding on an annual basis to develop the annual improvement program.

Montgomery College

ROCKVILLE CAMPUS

GORDAN AND MARILYN MACKLIN TOWER

Draft Report **#TO21-MC022**

FP# 20-065

09.26.2023

Prepared by

Tindale Oliver

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benesch

ID:	Facility:	Campus:
3232	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 201A, 202B, 202A, and 202C-E

Schedule: 2023

Estimated Cost $600.00

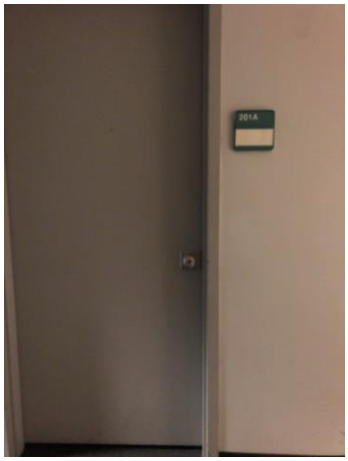
VIOLATIONS

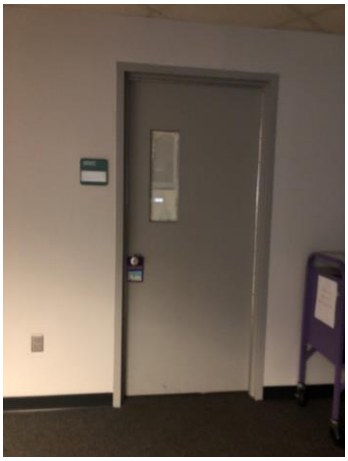
2010 ADA Standards for Accessible Design Codes: §309.4

The door knobs require twisting of the wrist.

RECOMMENDATIONS

Replace the door knobs with lever handles that can be operated with a closed fist and without the twisting the wrist.





ID:	Facility:	Campus:
3233	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 301A, 304A, and 304B

Schedule: 2023

Estimated Cost $300.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knobs require twisting of the wrist.

RECOMMENDATIONS

Replace the door knobs with lever handles that can be operated with a closed fist and without the twisting the wrist.

ID:	Facility:	Campus:
3234	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 301C and 301B

Schedule: 2023

Estimated Cost $200.00

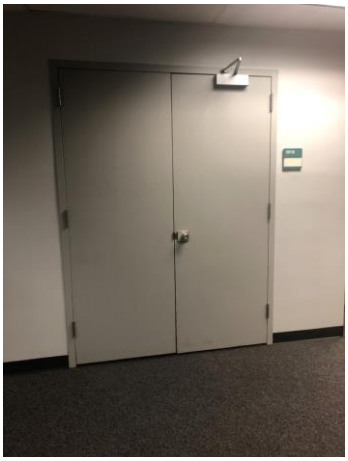
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knobs require twisting of the wrist.

RECOMMENDATIONS

Replace the door knobs with lever handles that can be operated with a closed fist and without the twisting the wrist.



ID:	Facility:	Campus:
3235	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 305C-E - Offices

Schedule: 2023

Estimated Cost $300.00

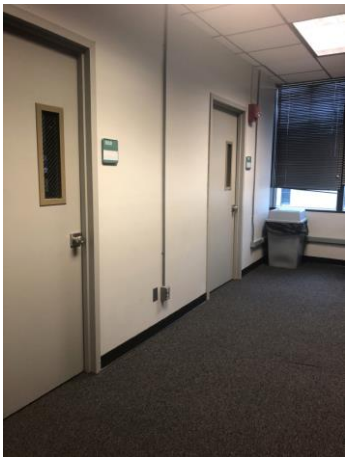
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knobs require twisting of the wrist.

RECOMMENDATIONS

Replace the door knobs with lever handles that can be operated with a closed fist and without the twisting the wrist.



ID:	Facility:	Campus:
3236	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 306B - Office

Schedule: 2023

Estimated Cost $100.00

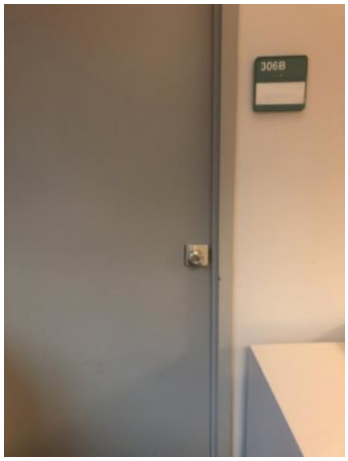
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.



ID:	Facility:	Campus:
3237	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 203A - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirrors are too high to be accessible.

RECOMMENDATIONS

Lower the mirrors so the bottom edges are a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3238	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 203B - Men's Restroom

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirrors are too high to be accessible.

RECOMMENDATIONS

Lower the mirrors so the bottom edges are a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3239	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3240	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227C - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3241	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3242	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302C - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3243	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 305A - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirrors are too high to be accessible.

RECOMMENDATIONS

Lower the mirrors so that the bottom edges are a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3244	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 305B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3245	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227C - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §606.5

The pipes under the sink are not covered.

RECOMMENDATIONS

Wrap the pipes beneath the sink with soft protective wrap or plastic.

ID:	Facility:	Campus:
3246	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 201 - Mechanical Stair 5

Schedule: 2023

Estimated Cost $100.00

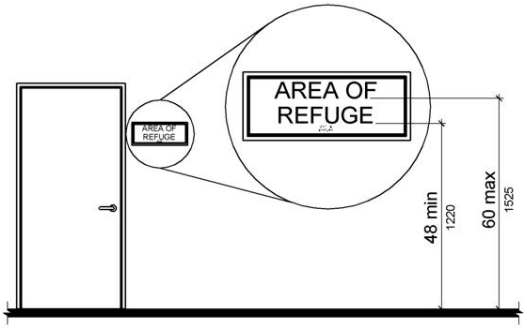
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.



ID:	Facility:	Campus:
3247	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 301 - Library

Schedule: 2023

Estimated Cost $100.00

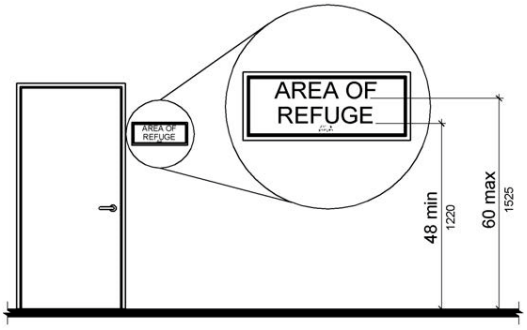
VIOLATIONS

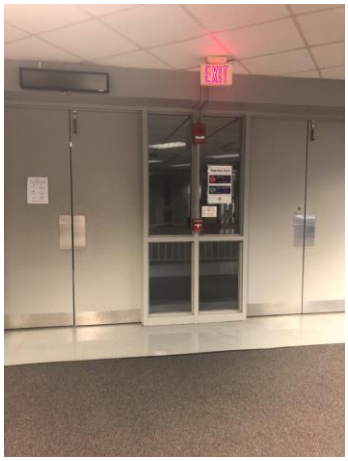
2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.





ID:	Facility:	Campus:
3248	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 4

Schedule: 2023

Estimated Cost $100.00

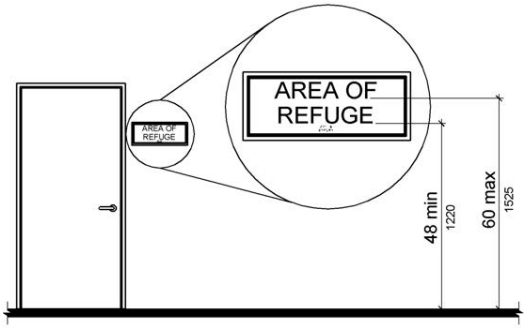
VIOLATIONS

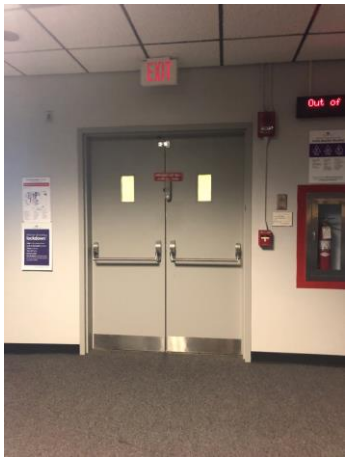
2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.





ID:	Facility:	Campus:
3249	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 3 & 4

Schedule: 2023

Estimated Cost $100.00

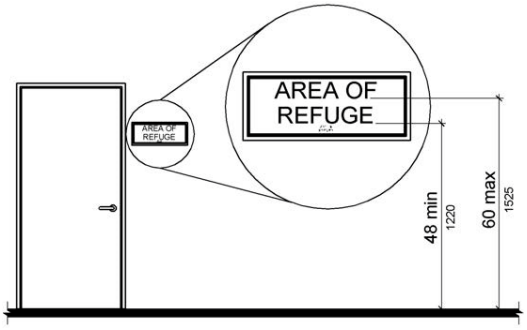
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors. Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the



ID:	Facility:	Campus:
3250	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 202A - Mechanical

Schedule: 2023

Estimated Cost $100.00

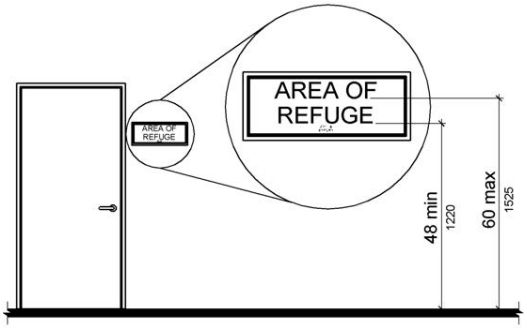
VIOLATIONS

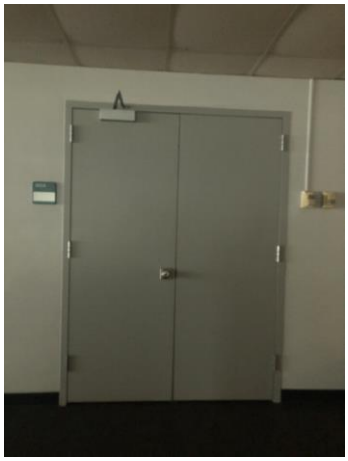
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the inactive leaf.





ID:	Facility:	Campus:
3251	MT	Rockville

Priority Score 8

Quick Fix: No

Built before ADA: Yes

Location: Rooms 202C-E, 226, 201A, 202B, and 202A

Schedule: 2025

Estimated Cost $700.00

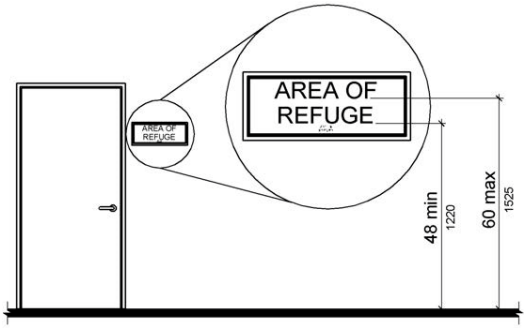
VIOLATIONS

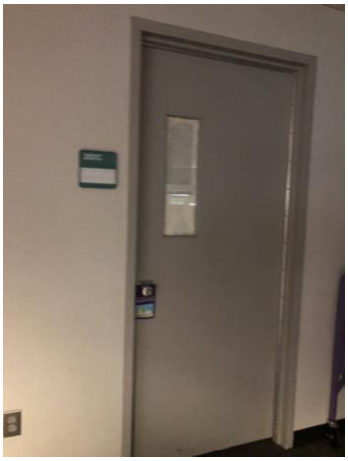
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3252	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 203A - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

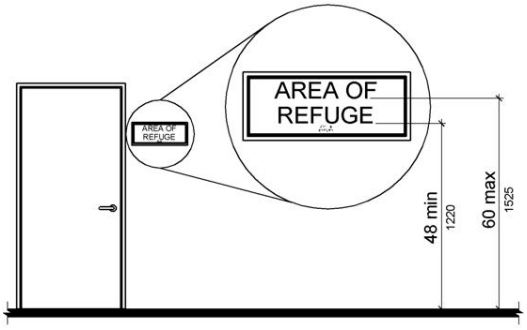
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number. Signs shall be Braille with raised lettering and should be plac



ID:	Facility:	Campus:
3253	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 203B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

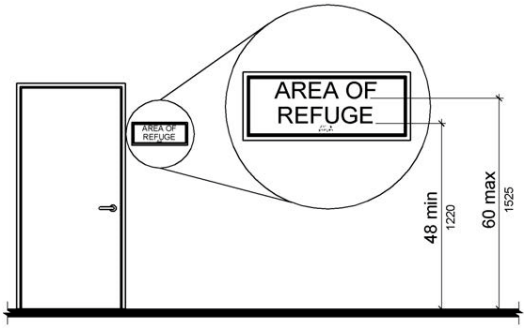
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3254	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 209C

Schedule: 2023

Estimated Cost $100.00

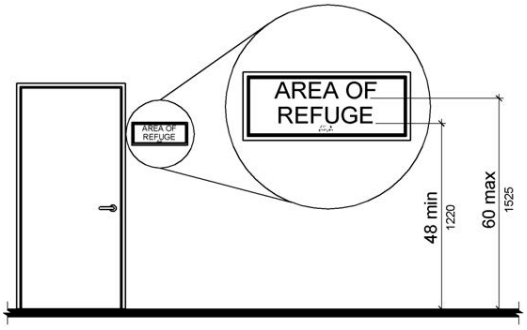
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the inactive leaf.



ID:	Facility:	Campus:
3255	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 214A-B - Offices

Schedule: 2023

Estimated Cost $200.00

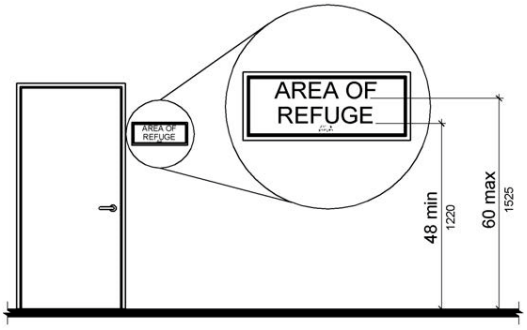
VIOLATIONS

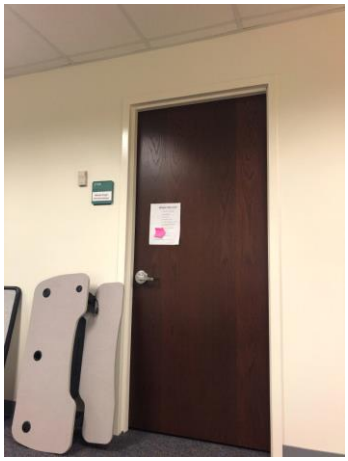
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct locations at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3256	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 218A-G - Offices

Schedule: 2023

Estimated Cost $700.00

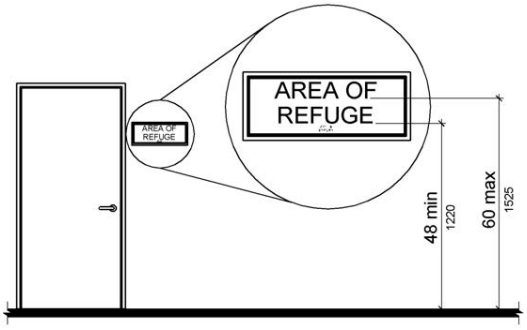
VIOLATIONS

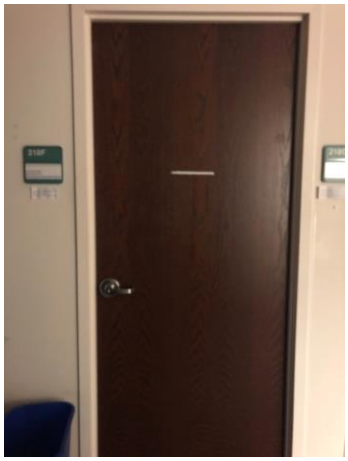
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3257	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 218H-I - Offices

Schedule: 2023

Estimated Cost $200.00

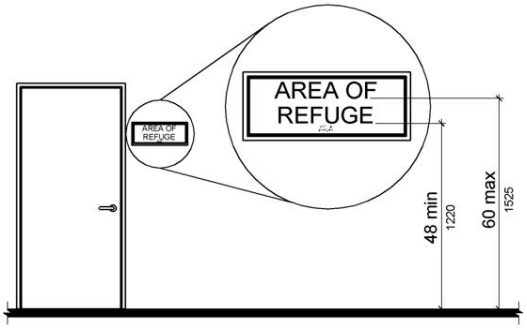
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct locations.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3258	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 227A, 218, 212G, 216, 215A, and 214

Schedule: 2023

Estimated Cost $600.00

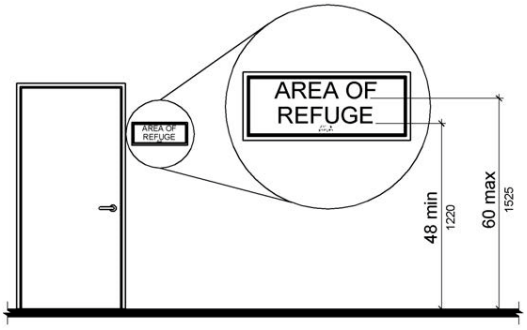
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3259	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227D - Telephone

Schedule: 2023

Estimated Cost $100.00

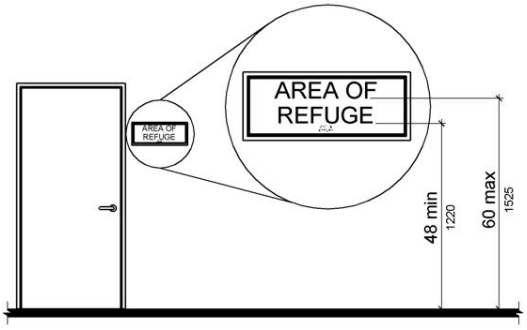
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3260	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 301B - Mechanical

Schedule: 2023

Estimated Cost $100.00

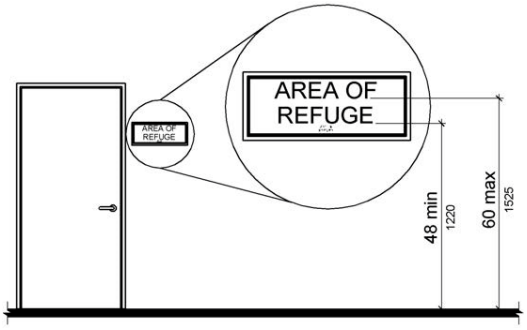
VIOLATIONS

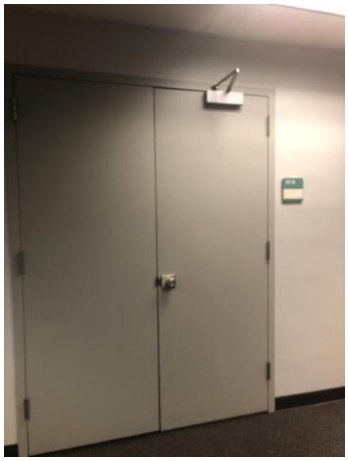
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3261	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 301C - Electric

Schedule: 2023

Estimated Cost $100.00

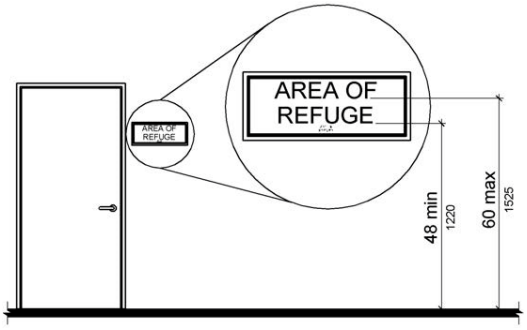
VIOLATIONS

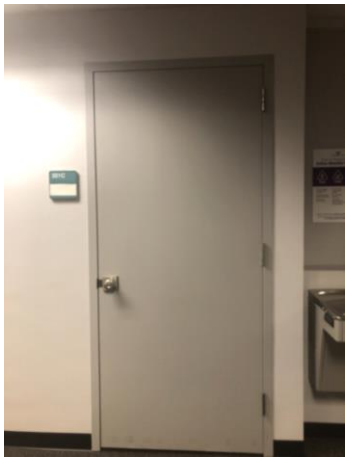
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3262	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

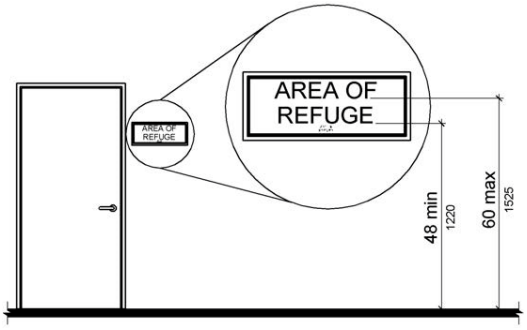
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3263	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 303A - Telephone

Schedule: 2023

Estimated Cost $100.00

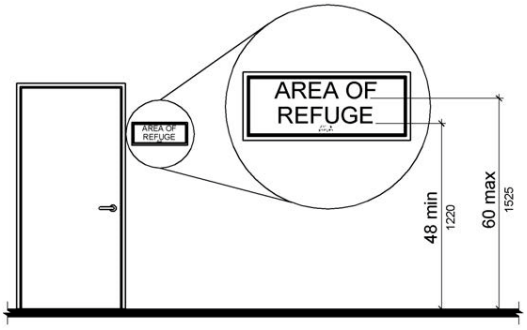
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3264	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 303H - Office

Schedule: 2023

Estimated Cost $100.00

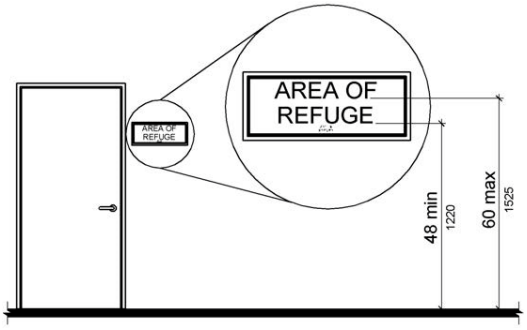
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3265	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 303J - Office

Schedule: 2023

Estimated Cost $100.00

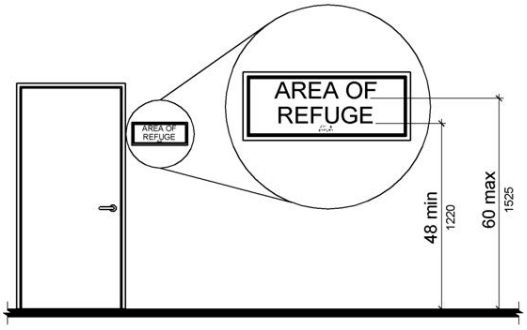
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3266	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 303N - Office

Schedule: 2023

Estimated Cost $100.00

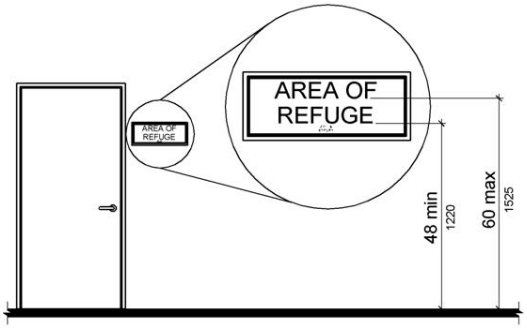
VIOLATIONS

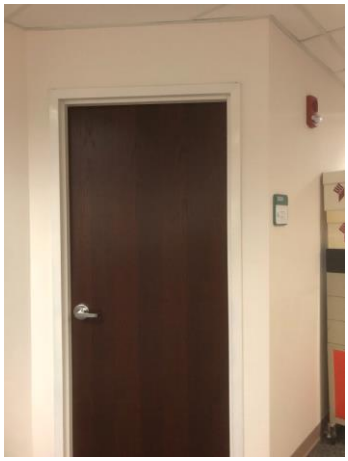
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3267	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: 3rd Floor - Corridor

Schedule: 2023

Estimated Cost $700.00

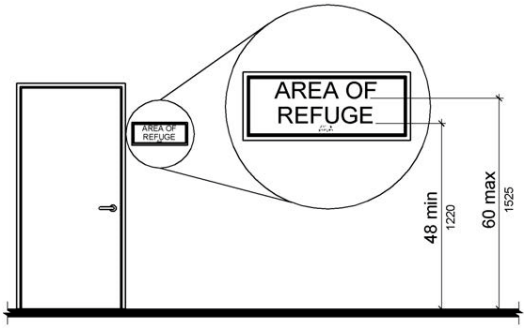
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.
Rooms 302A, 303B, 303C, 303D, 303E, 303F, and 303S.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3268	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 304B - Mechanical

Schedule: 2023

Estimated Cost $100.00

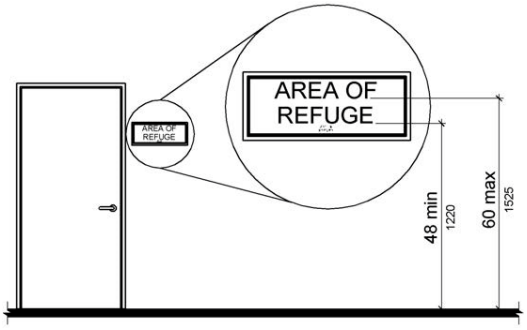
VIOLATIONS

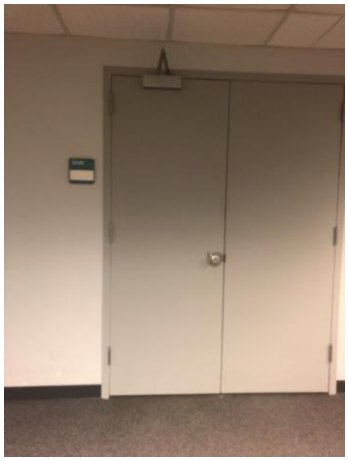
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the inactive leaf.





ID:	Facility:	Campus:
3269	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 305B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

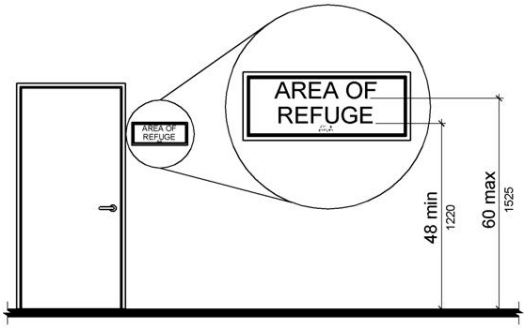
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3270	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 401 - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

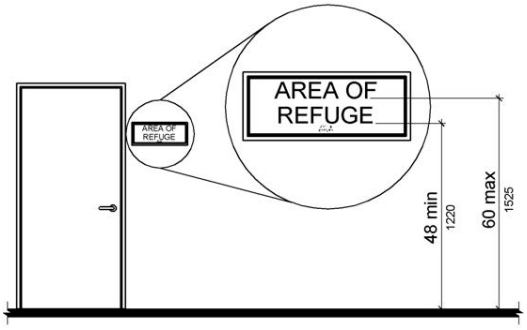
VIOLATIONS

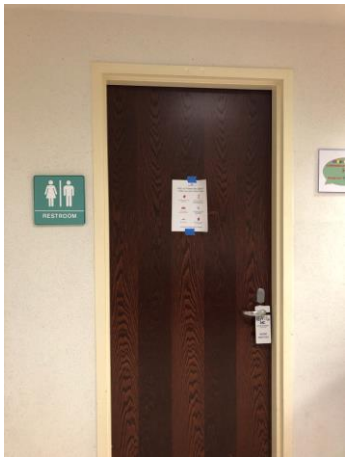
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3271	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 402 - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

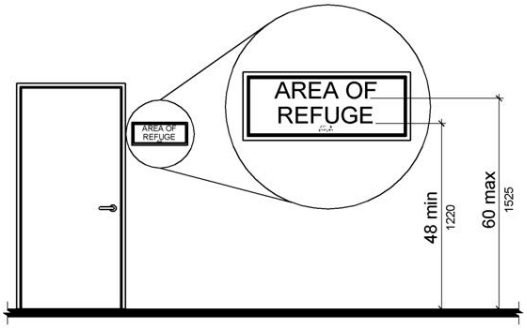
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3272	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 428 - Kitchen

Schedule: 2023

Estimated Cost $100.00

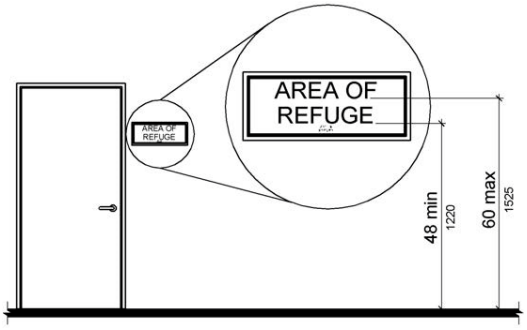
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3273	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 430A - Telephone

Schedule: 2023

Estimated Cost $100.00

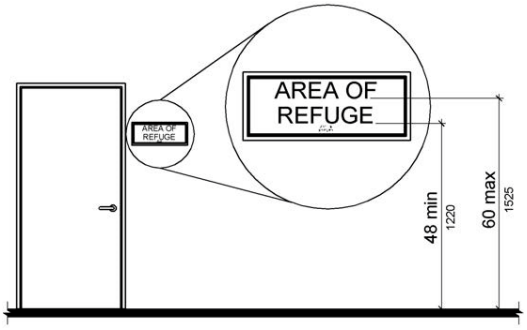
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the inactive leaf.



ID:	Facility:	Campus:
3274	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 433A - Custodial

Schedule: 2023

Estimated Cost $100.00

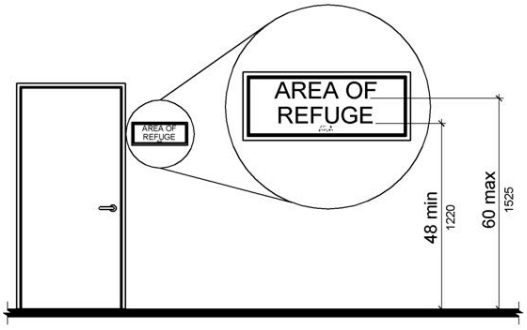
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3275	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 624 and 610

Schedule: 2023

Estimated Cost $200.00

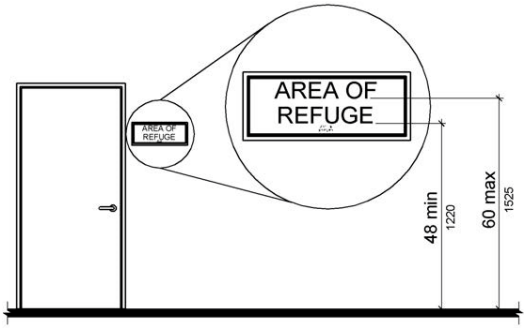
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the inactive leaf.



ID:	Facility:	Campus:
3276	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 624-603, 600C, and 615

Schedule: 2023

Estimated Cost $1,500.00

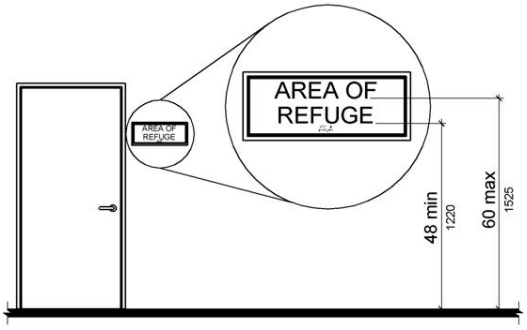
VIOLATIONS

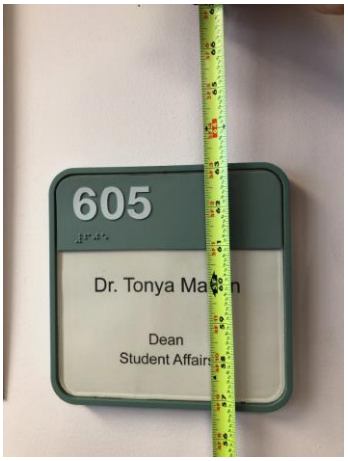
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3277	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 201 - Library

Schedule: 2023

Estimated Cost $100.00

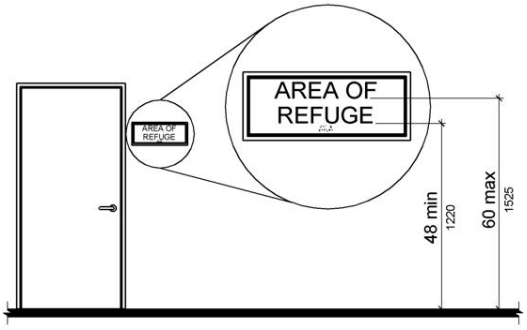
VIOLATIONS

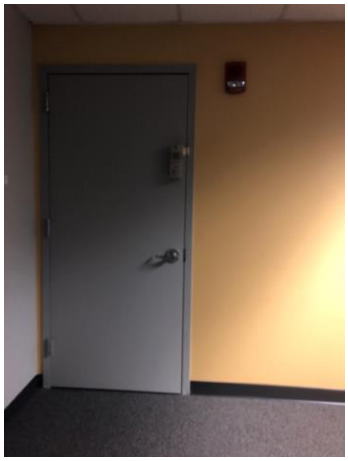
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3278	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 205A - Computer Lab

Schedule: 2023

Estimated Cost $100.00

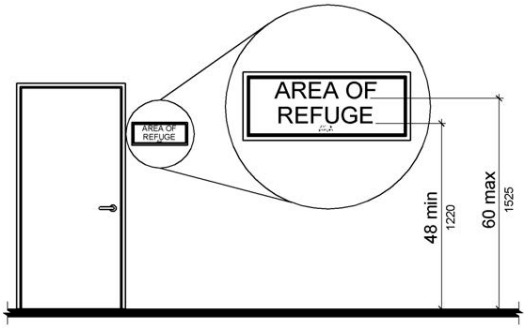
VIOLATIONS

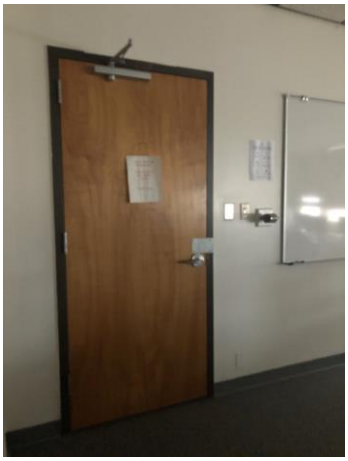
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3279	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 212 - Office

Schedule: 2023

Estimated Cost $100.00

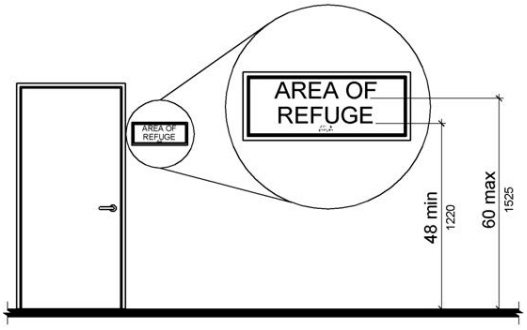
VIOLATIONS

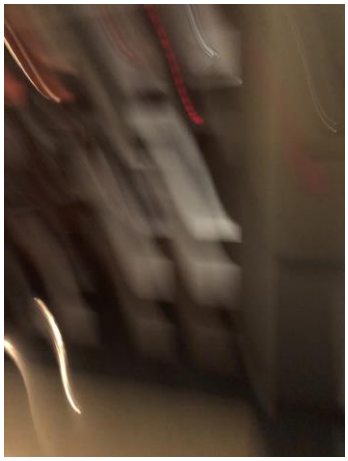
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3280	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 212B - Office

Schedule: 2023

Estimated Cost $100.00

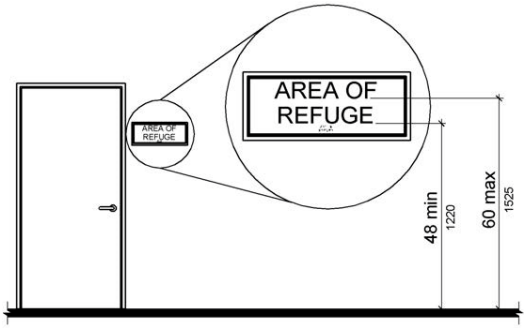
VIOLATIONS

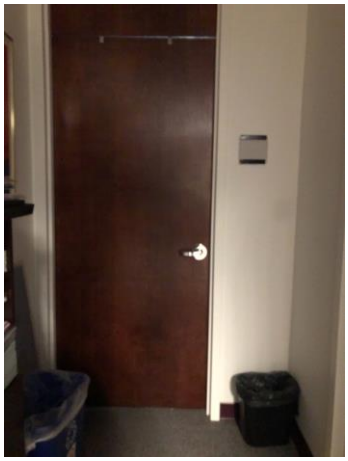
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3281	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 213 - Conference

Schedule: 2023

Estimated Cost $200.00

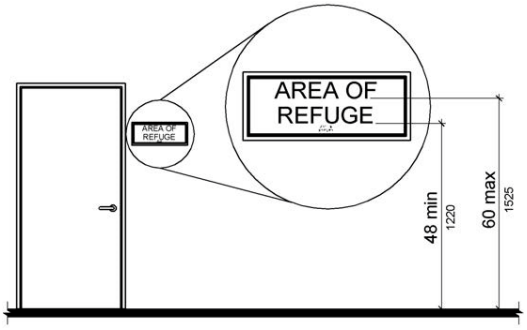
VIOLATIONS

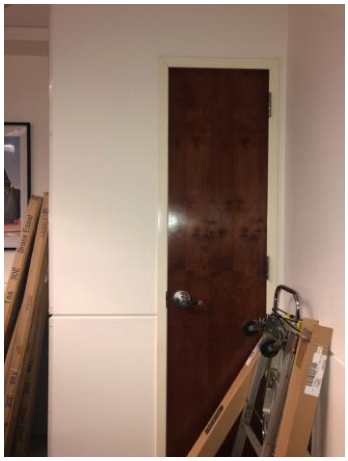
2010 ADA Standards for Accessible Design Codes: §216.2, §703

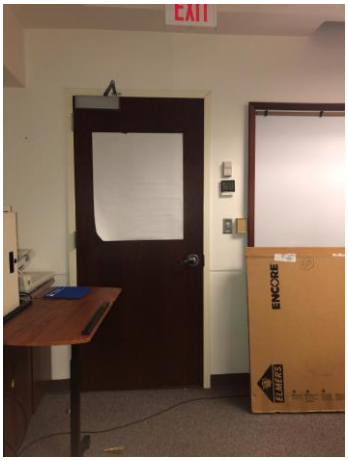
There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.







ID:	Facility:	Campus:
3282	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 213 - Conference

Schedule: 2023

Estimated Cost $100.00

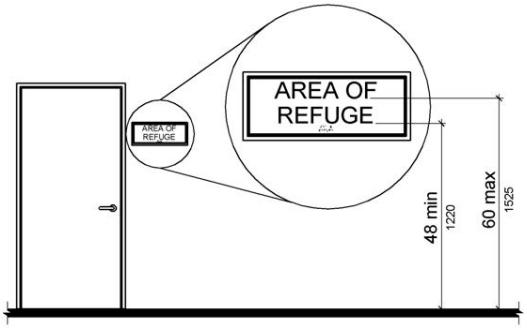
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the inactive leaf at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3283	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 218 - Office

Schedule: 2023

Estimated Cost $200.00

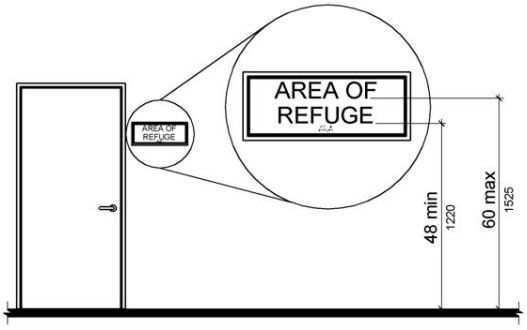
VIOLATIONS

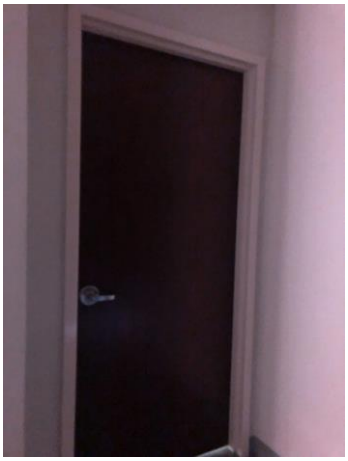
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3284	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 226 - Media Productions

Schedule: 2023

Estimated Cost $100.00

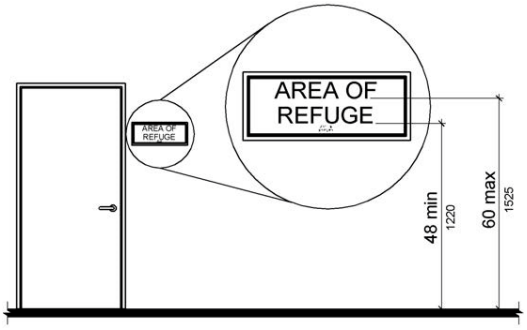
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3285	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 226C - Office

Schedule: 2023

Estimated Cost $100.00

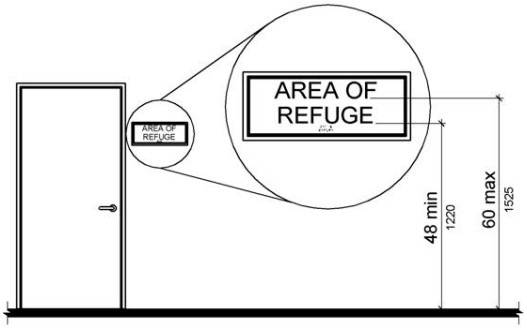
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3286	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 307 - Lounge

Schedule: 2023

Estimated Cost $100.00

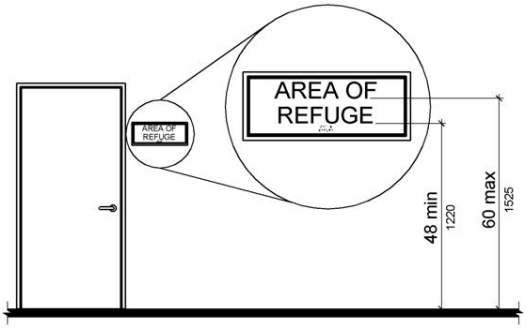
VIOLATIONS

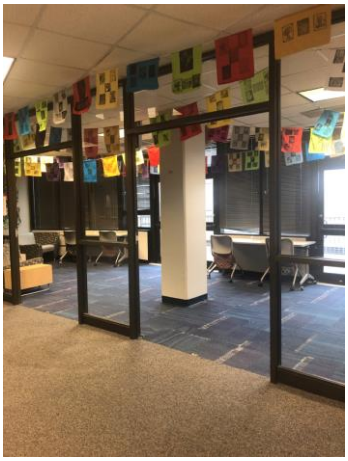
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3287	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 307 - Lounge

Schedule: 2023

Estimated Cost $100.00

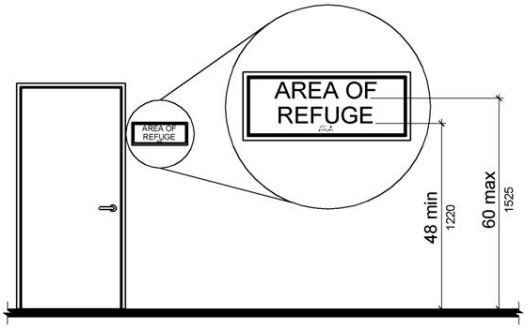
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage to the right of the right hand door at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3288	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 410 - Office

Schedule: 2023

Estimated Cost $100.00

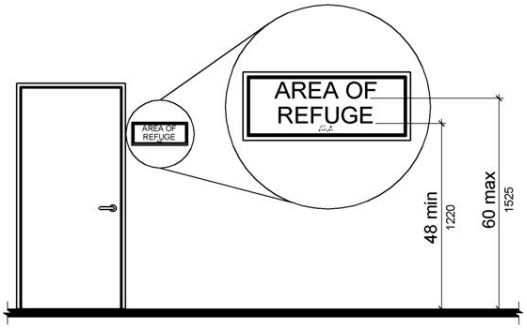
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3289	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 419B - Storage

Schedule: 2023

Estimated Cost $100.00

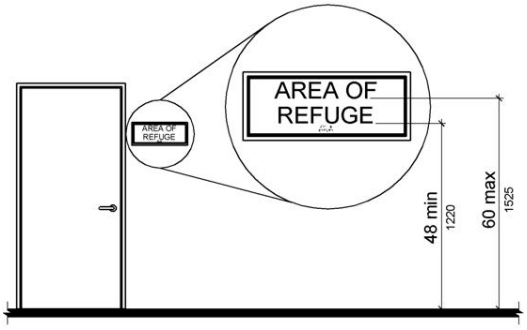
VIOLATIONS

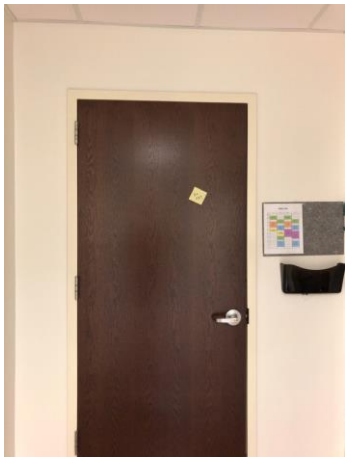
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3290	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 526C - Pantry

Schedule: 2023

Estimated Cost $100.00

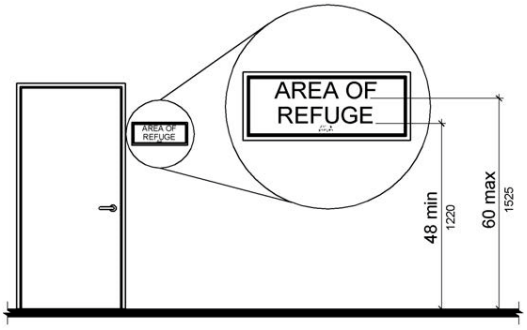
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3291	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600 - Corridor

Schedule: 2023

Estimated Cost $100.00

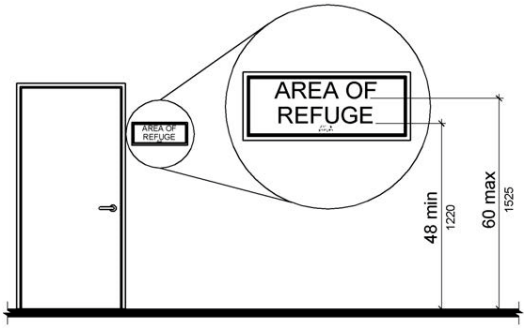
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3292	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 1 & 2 3rd floor

Schedule: 2023

Estimated Cost $100.00

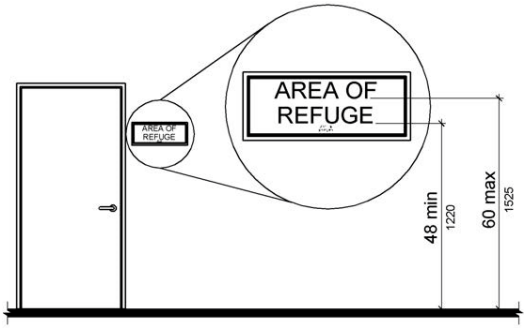
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3293	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 1 & 2 5th floor

Schedule: 2023

Estimated Cost $200.00

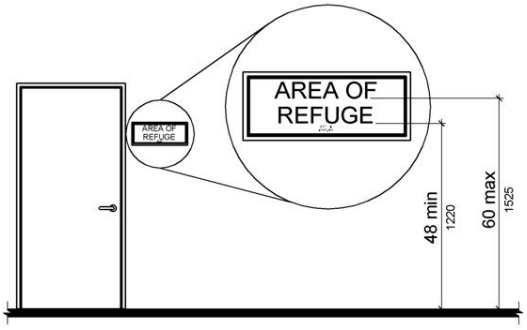
VIOLATIONS

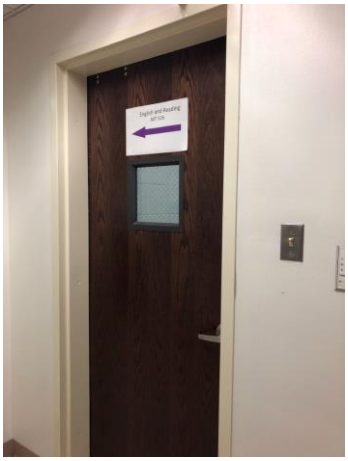
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There are no tactile signs identifying the permanent rooms.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3294	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 1 & 2 6th floor

Schedule: 2023

Estimated Cost $200.00

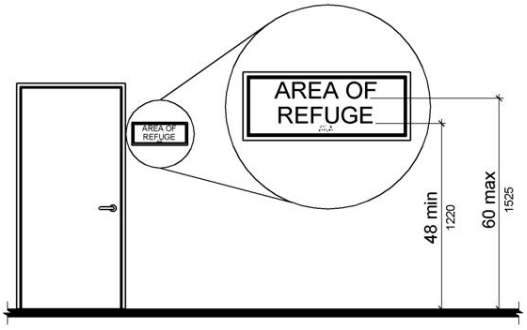
VIOLATIONS

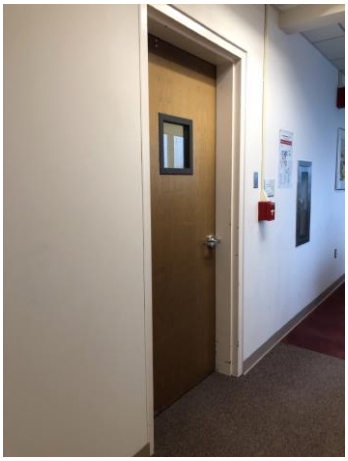
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There are no tactile signs identifying the permanent rooms.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3295	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 1 & 2 4th floor

Schedule: 2023

Estimated Cost $200.00

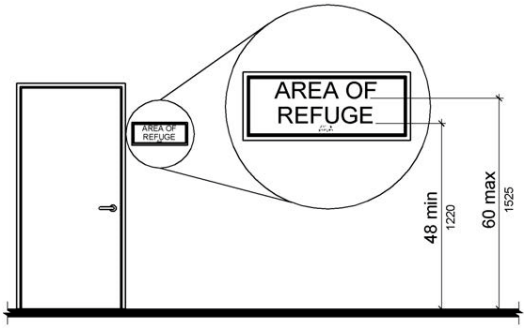
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There are no tactile signs identifying the permanent rooms.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3296	MT MBI-Suite	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 106 - Conference

Schedule: 2024

Estimated Cost $2,000.00

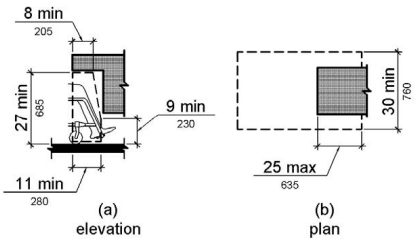
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §306.3.3, §606.3

The sink is 36" above the floor.
The sink counter does not have knee clearance.

RECOMMENDATIONS

Lower the sink to a height of 34" above the floor.
Provide knee clearance underneath the counter at the sink that is a minimum of 11" deep at 9" above the floor and 8" deep at 27" above the floor.



ID:	Facility:	Campus:
3297	MT MBI-Suite	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: 1st Floor

Schedule: 2023

Estimated Cost $500.00

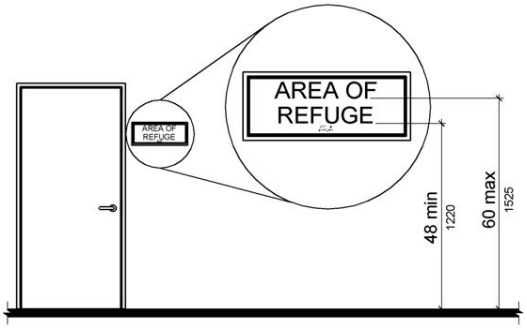
VIOLATIONS

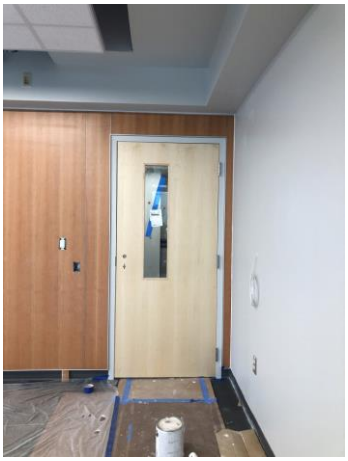
2010 ADA Standards for Accessible Design Codes: §216.2, §703

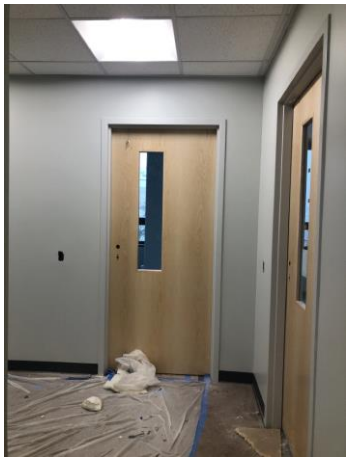
There are no tactile signs identifying the permanent rooms.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.







ID:	Facility:	Campus:
3298	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 201 - Library

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §707

The interactive touch screen does not have any sound or tactile components.
Therefore, a visually impaired person would not be able to access the information provided by the kiosk.

RECOMMENDATIONS

Audio instructions must be provided that guide the user through all functions of the machine. Tactile instructions must be provided informing the user on the method of activating the audio instructions.
Controls to operate the kiosk must comply with §707. Or an alternative accessible printer/kiosk must be provided.

ID:	Facility:	Campus:
3299	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 203A - Women's Restroom

Schedule: 2024

Estimated Cost $2,500.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.8.1.1

The toilet compartment size is too small.

RECOMMENDATIONS

Combine the two non-accessible stalls into one 60" wide wheelchair accessible toilet stall, complying with §604.8.

ID:	Facility:	Campus:
3300	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 203A - Women's Restroom

Schedule: 2024

Estimated Cost $1,000.00

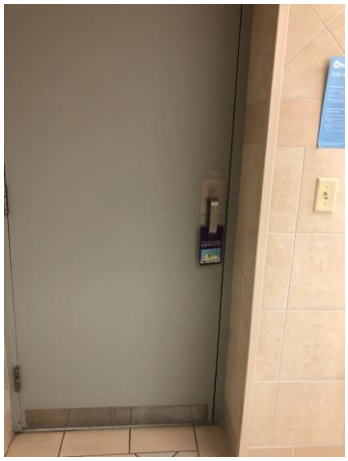
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.3

The door is recessed 12".

RECOMMENDATIONS

Make sure the clear width is 32” minimum and that the maneuvering clearance is 60” from the door.



ID:	Facility:	Campus:
3301	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 203B - Men's Restroom

Schedule: 2024

Estimated Cost $2,500.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.8.1.1

The toilet compartment size is too small.

RECOMMENDATIONS

Combine the two non-accessible stalls into one 60" wide wheelchair accessible toilet stall, complying with §604.8.

ID:	Facility:	Campus:
3302	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 203B - Men's Restroom

Schedule: 2024

Estimated Cost $1,000.00

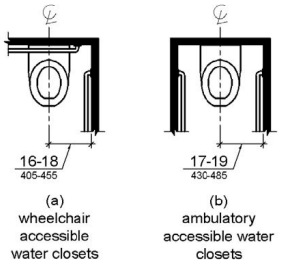
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.2

The toilet is 19" from the side wall.

RECOMMENDATIONS

Reposition the toilet to be 16" to 18" from the side wall to its center.



ID:	Facility:	Campus:
3303	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 203B - Men's Restroom

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.3

The door is recessed 12".

RECOMMENDATIONS

Make sure the clear width is 32” minimum and that the maneuvering clearance is 60” from the door.

ID:	Facility:	Campus:
3304	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 204 - Library

Schedule: 2024

Estimated Cost $1,500.00

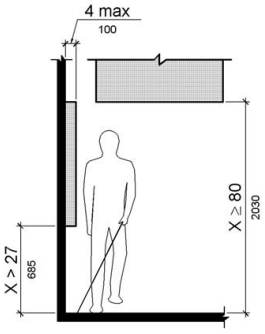
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.7, §307.2

The drinking fountain protrudes into the circulation path.
There is only one drinking fountain provided and the spout is 36" above the floor.

RECOMMENDATIONS

Place a drinking fountain skirt at this location to provide cane detectability.
Install an additional drinking fountain at a minimum spout height of 38" and maximum of 43" above the floor.



ID:	Facility:	Campus:
3305	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 205 - IT Training Center

Schedule: 2023

Estimated Cost $100.00

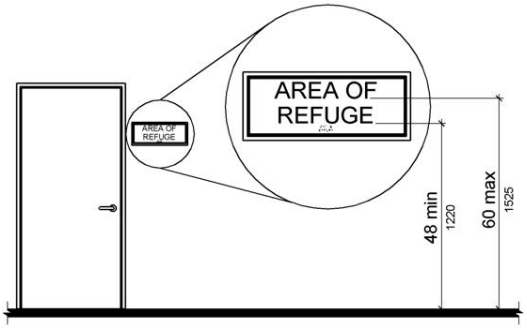
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located on the inactive leaf.



ID:	Facility:	Campus:
3306	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 206 - IT Training Center

Schedule: 2023

Estimated Cost $100.00

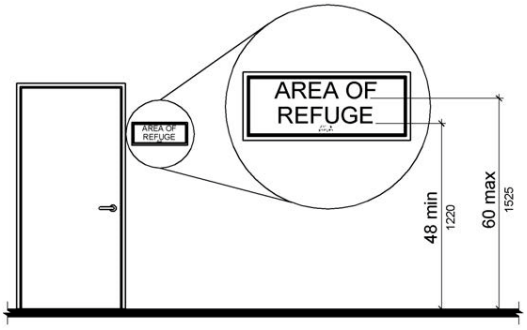
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located on the inactive leaf.



ID:	Facility:	Campus:
3307	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 212 - Office

Schedule: 2024

Estimated Cost $2,000.00

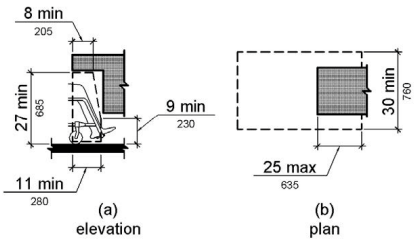
VIOLATIONS

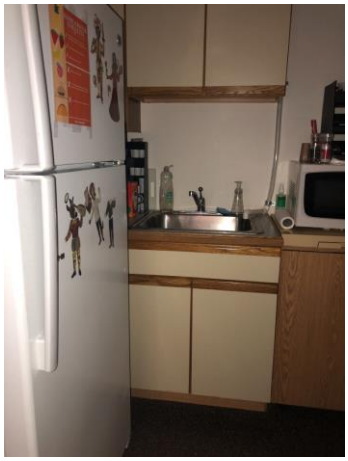
2010 ADA Standards for Accessible Design Codes: §606.3, §902.3, §306.3.3, §305.2

The refrigerator is blocking the clear floor space to access the sink. There is no knee clearance underneath the sink.
The sink is greater than 34" above the floor. The dining and work surface counter height exceeds the maximum height of 34".

RECOMMENDATIONS

Relocate the refrigerator. Provide knee clearance underneath the counter at the sink that is a minimum of 11" deep at 9" above the floor and 8" deep at 27" above the floor.
Lower the sink to a height of 34" above the floor. A 30" portion of the dining and work surface must be no higher than 34" above the floor.





ID:	Facility:	Campus:
3308	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 212 - Office

Schedule: 2023

Estimated Cost $100.00

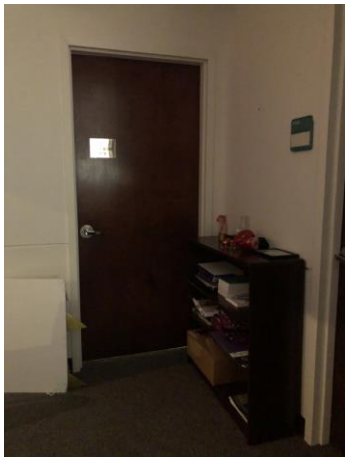
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.1

The corridor width itself meets ADA requirements, but the maneuvering clearances is insufficient to be considered accessible.

RECOMMENDATIONS

Relocate the cabinet.



ID:	Facility:	Campus:
3309	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 212 - Office

Schedule: 2023

Estimated Cost $100.00

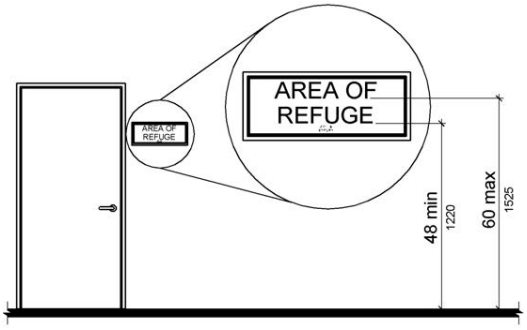
VIOLATIONS

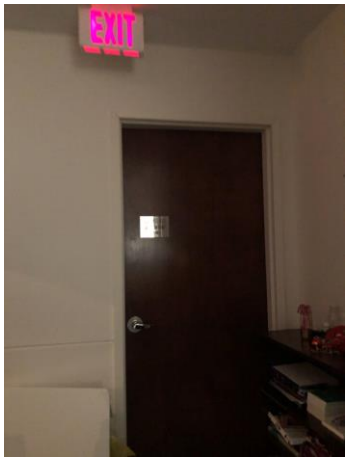
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3310	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 212A - Office

Schedule: 2023

Estimated Cost $100.00

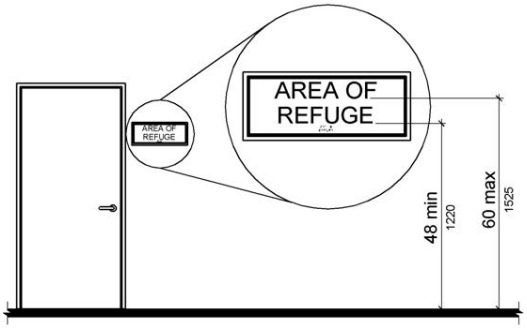
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3311	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 212C-F - Offices

Schedule: 2023

Estimated Cost $400.00

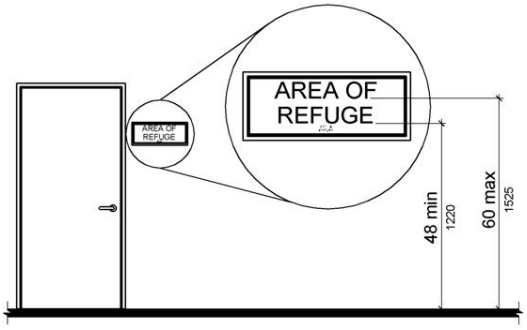
VIOLATIONS

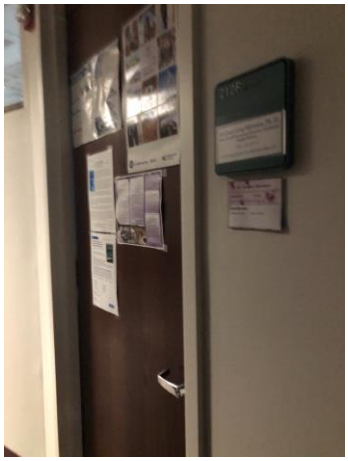
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3312	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 213A - Storage

Schedule: 2023

Estimated Cost $100.00

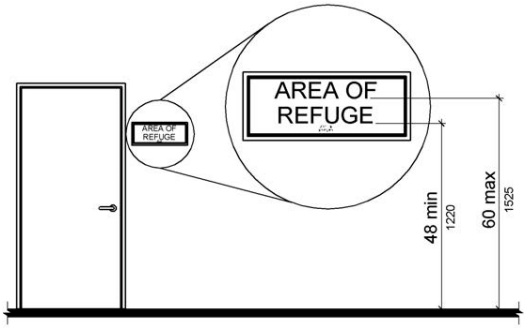
VIOLATIONS

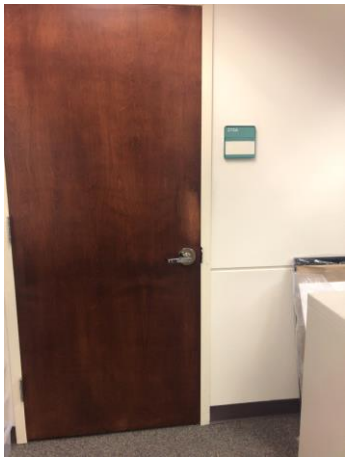
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3313	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 226 - Media Productions

Schedule: 2023

Estimated Cost $100.00

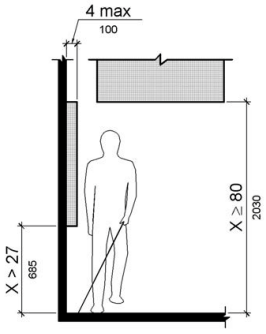
VIOLATIONS

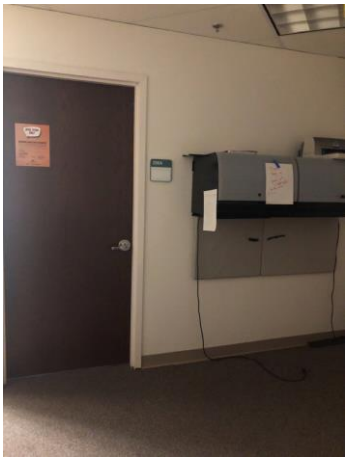
2010 ADA Standards for Accessible Design Codes: §307.2

The cabinet is protruding 18" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.





ID:	Facility:	Campus:
3314	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 226 - Media Productions

Schedule: 2023

Estimated Cost $100.00

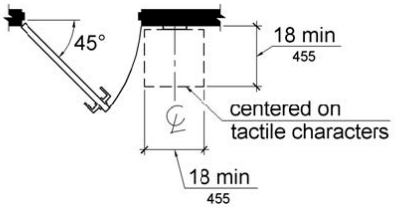
VIOLATIONS

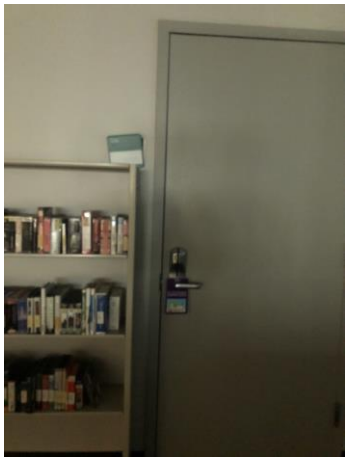
2010 ADA Standards for Accessible Design Codes: §703.4.2

The sign does not have clear floor space.

RECOMMENDATIONS

Relocate the storage item that is obstructing the 18"x18" clear floor space.





ID:	Facility:	Campus:
3315	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 219-226

Schedule: 2023

Estimated Cost $100.00

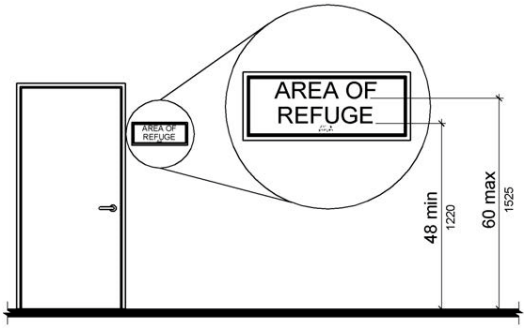
VIOLATIONS

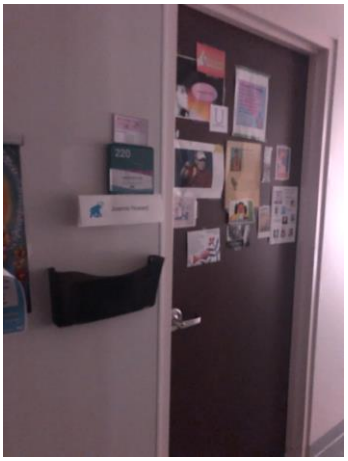
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3316	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 226A - Storage

Schedule: 2023

Estimated Cost $100.00

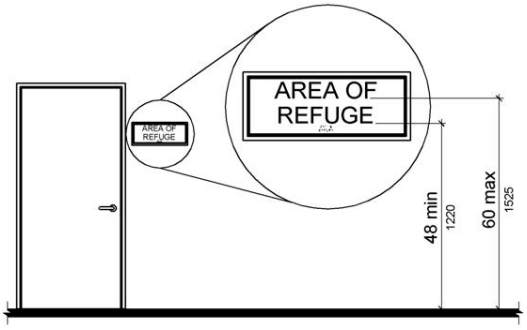
VIOLATIONS

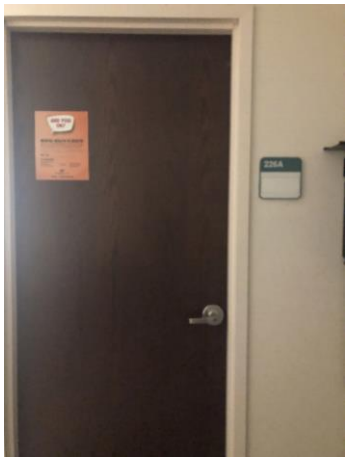
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3317	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 226B - MPS Service

Schedule: 2023

Estimated Cost $100.00

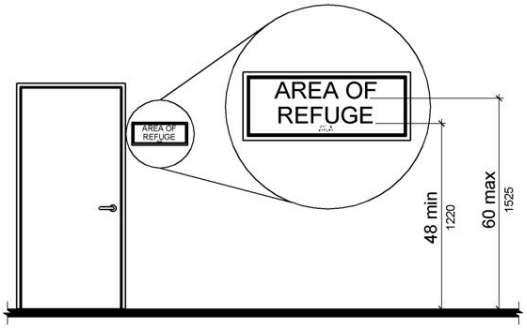
VIOLATIONS

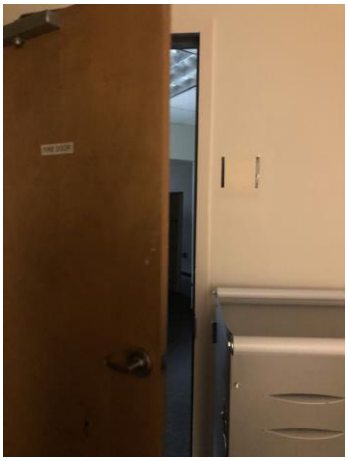
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3318	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

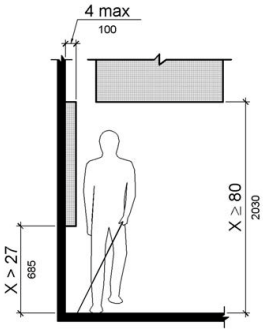
VIOLATIONS

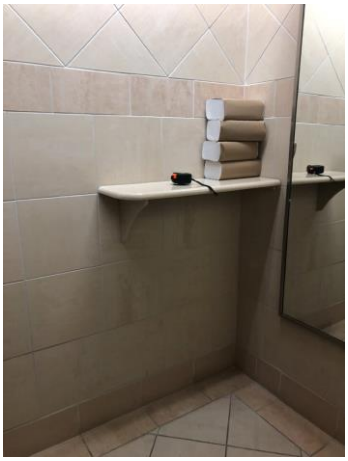
2010 ADA Standards for Accessible Design Codes: §307.2

The shelf is protruding 5" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it, lowering it so the bottom edge is 27" maximum above the floor, or providing cane detectability by placing an object underneath.





ID:	Facility:	Campus:
3319	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2023

Estimated Cost $200.00

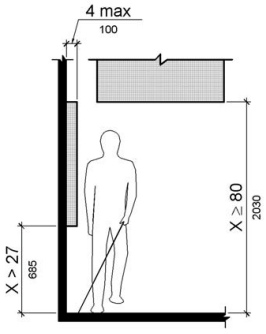
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The hand dryer and paper towel dispenser are protruding 6" and 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating them or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3320	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

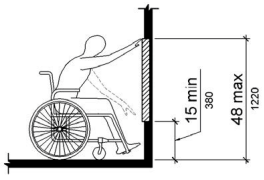
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 70" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3321	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

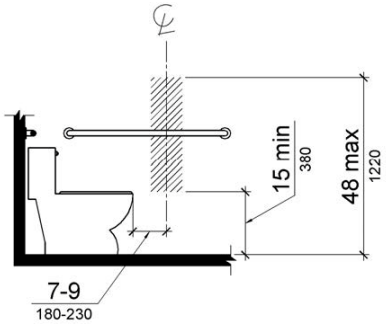
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.7

The toilet paper dispenser is not located in an accessible position.

RECOMMENDATIONS

Remount the toilet paper dispenser so that its centerline is located 7" minimum to 9" maximum in front of the toilet.
Ensure that the height is within the acceptable reach range of 15" minimum to 48" maximum above the floor.



ID:	Facility:	Campus:
3322	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2023

Estimated Cost $500.00

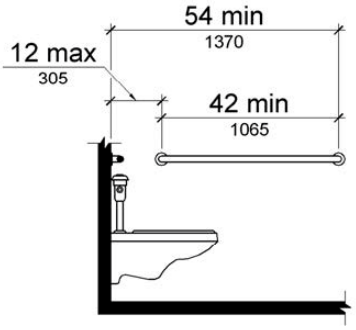
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3323	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2024

Estimated Cost $1,000.00

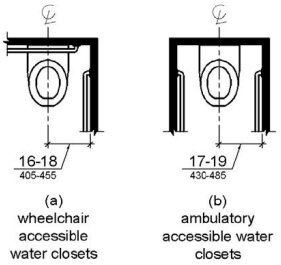
VIOLATIONS

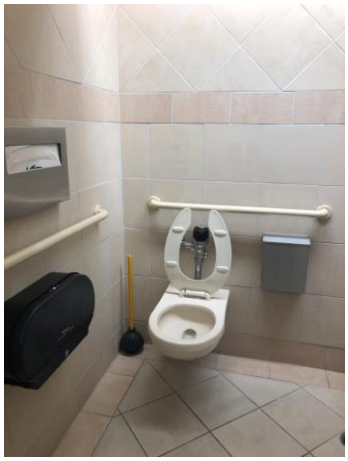
2010 ADA Standards for Accessible Design Codes: §604.2

The toilet is 18.5" from the side wall.

RECOMMENDATIONS

Reposition the toilet to be 16" to 18" from the side wall to its center.





ID:	Facility:	Campus:
3324	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

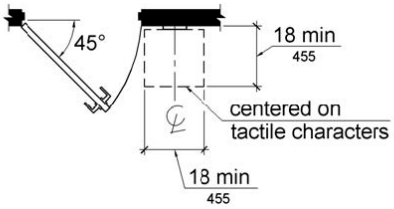
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4.2

The display case is blocking the clear floor space for the tactile sign.

RECOMMENDATIONS

Relocate the display case to ensure that there is a minimum of an 18"x18" clear floor space centered on the room signage.



ID:	Facility:	Campus:
3325	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227C - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

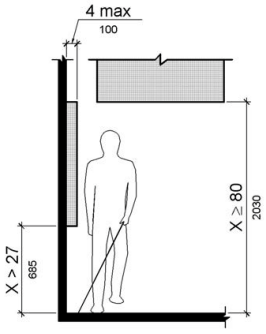
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The hand dryer and paper towel dispenser are protruding 6" and 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating them or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3326	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227C - Women's Restroom

Schedule: 2023

Estimated Cost $500.00

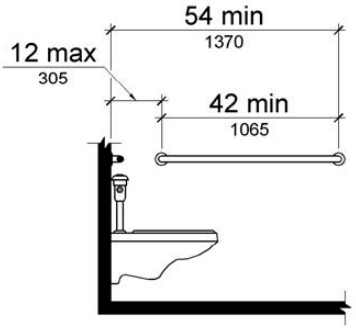
VIOLATIONS

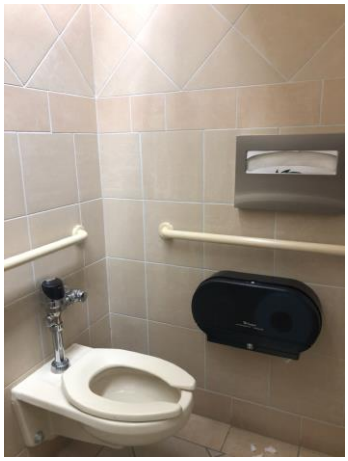
2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.





ID:	Facility:	Campus:
3327	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227C - Women's Restroom

Schedule: 2023

Estimated Cost $500.00

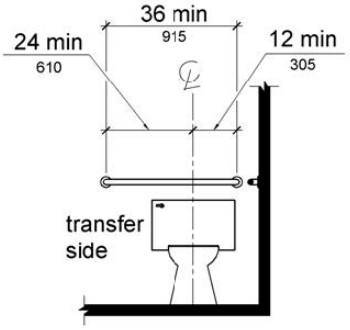
VIOLATIONS

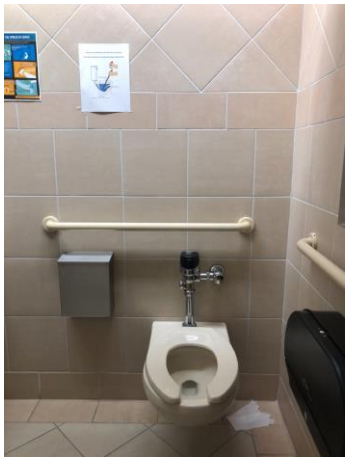
2010 ADA Standards for Accessible Design Codes: §604.5.2

The rear grab bar is too close to the sidewall.

RECOMMENDATIONS

Relocate the rear grab bar an additional 1" away from the sidewall.





ID:	Facility:	Campus:
3328	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227C - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

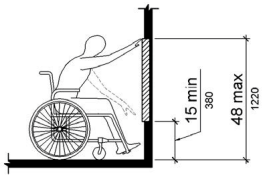
VIOLATIONS

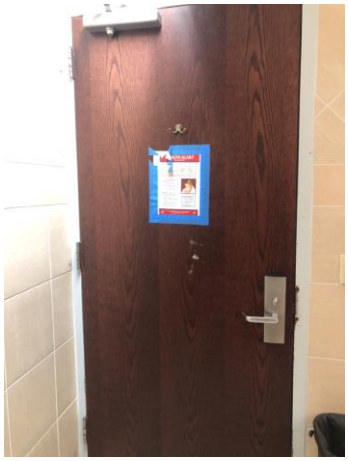
2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hooks are 64" above the floor.

RECOMMENDATIONS

Lower at least one of the coat hooks to 48" above the floor.





ID:	Facility:	Campus:
3329	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 227C - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

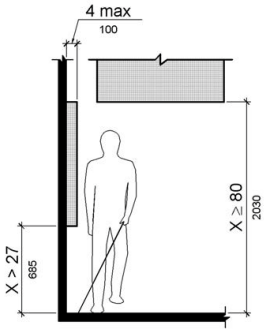
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The shelf is protruding 5" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3330	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 291 - South Corridor

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4

There is only one drinking fountain provided and the spout is 41" above the floor.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor.

ID:	Facility:	Campus:
3331	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 292 - North Corridor

Schedule: 2023

Estimated Cost $100.00

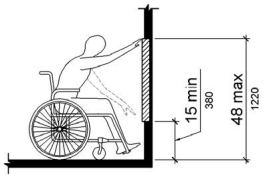
VIOLATIONS

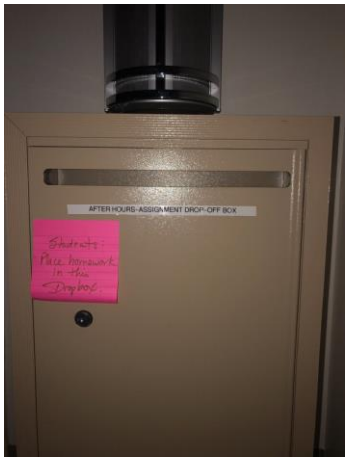
2010 ADA Standards for Accessible Design Codes: §308.2.1

The drop-off box is 54" above the floor.

RECOMMENDATIONS

Lower the drop-off box to 48" above the floor.





ID:	Facility:	Campus:
3332	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 301 - Library

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4

There is only one drinking fountain provided and the spout is 38" above the floor.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor.

ID:	Facility:	Campus:
3333	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 301 - Library

Schedule: 2023

Estimated Cost $100.00

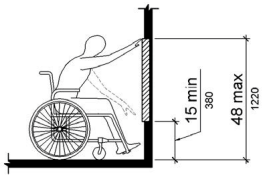
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The hand sanitizer is 54" above the floor.

RECOMMENDATIONS

Lower the hand sanitizer to 48" above the floor.



ID:	Facility:	Campus:
3334	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 301 - Library

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §707

The interactive touch screen does not have any sound or tactile components.
Therefore, a visually impaired person would not be able to access the information provided by the kiosk.

RECOMMENDATIONS

Audio instructions must be provided that guide the user through all functions of the machine. Tactile instructions must be provided informing the user on the method of activating the audio instructions.
Controls to operate the kiosk must comply with §707. Or an alternative accessible printer/kiosk must be provided.

ID:	Facility:	Campus:
3335	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 301 - Library

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4

There is only one drinking fountain provided and the spout is 42" above the floor.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor.

ID:	Facility:	Campus:
3336	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 301A and 304A

Schedule: 2023

Estimated Cost $200.00

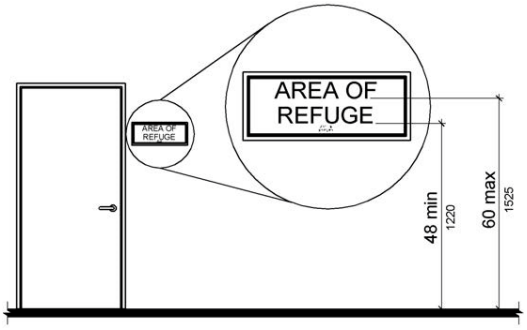
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3337	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 301C - Electric

Schedule: 2024

Estimated Cost $1,500.00

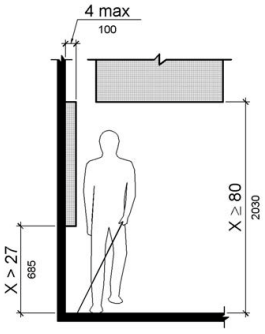
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.7, §307.2

The drinking fountain protrudes into the circulation path.
There is only one drinking fountain provided and the spout is 36" above the floor.

RECOMMENDATIONS

Place a drinking fountain skirt at this location to provide cane detectability.
Install an additional drinking fountain at a minimum spout height of 38" and maximum of 43" above the floor.



ID:	Facility:	Campus:
3338	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302B - Men's Restroom

Schedule: 2023

Estimated Cost $200.00

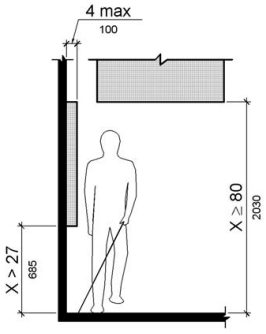
VIOLATIONS

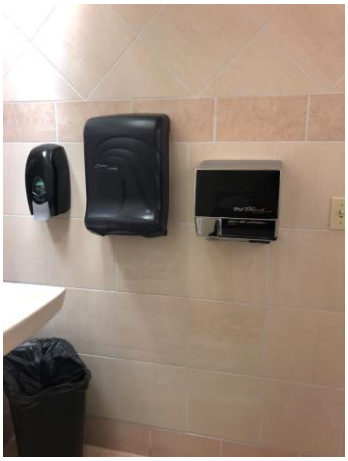
2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser and hand dryer are protruding 6" to 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.





ID:	Facility:	Campus:
3339	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

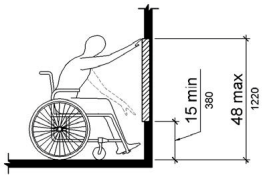
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 64" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3340	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302B - Men's Restroom

Schedule: 2023

Estimated Cost $500.00

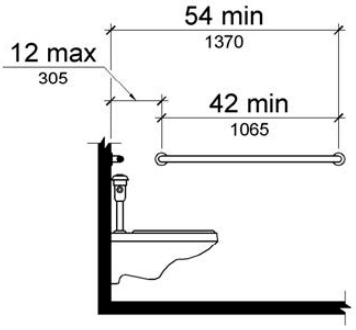
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3341	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

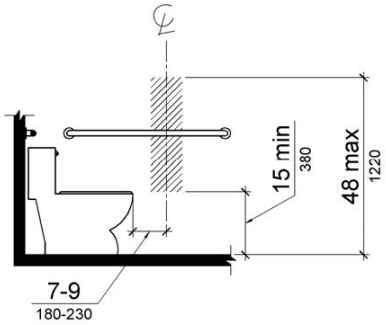
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.7

The toilet paper dispenser is not located in an accessible position.

RECOMMENDATIONS

Remount the toilet paper dispenser so that its centerline is located 7" minimum to 9" maximum in front of the toilet.
Ensure that the height is within the acceptable reach range of 15" minimum to 48" maximum above the floor.



ID:	Facility:	Campus:
3342	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302C - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

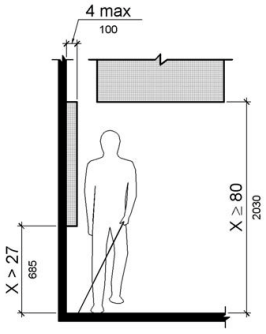
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The hand dryer and paper towel dispenser is protruding 6" to 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating them or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3343	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302C - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

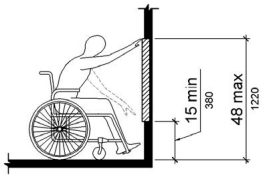
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 64" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3344	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302C - Women's Restroom

Schedule: 2023

Estimated Cost $500.00

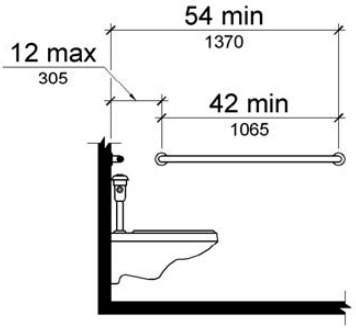
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3345	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 302C - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

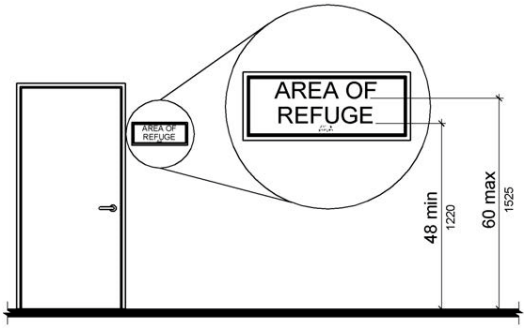
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3346	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 303I - Conference Room

Schedule: 2023

Estimated Cost $100.00

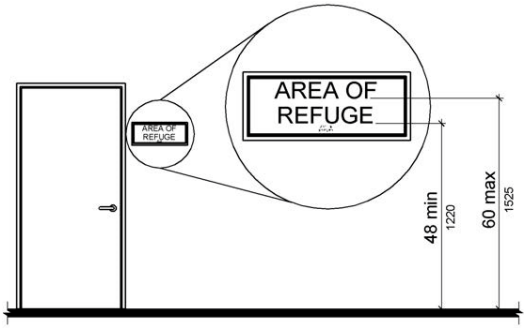
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor ad 24" from the door.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3347	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 303Q - Corridor

Schedule: 2023

Estimated Cost $100.00

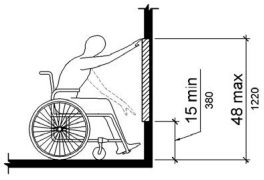
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The hand sanitizer is 51" above the floor.

RECOMMENDATIONS

Lower the hand sanitizer to 48" above the floor.



ID:	Facility:	Campus:
3348	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 303Q - Corridor

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4

There is only one drinking fountain provided and the spout is 41" above the floor.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor.

ID:	Facility:	Campus:
3349	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 303Q - Corridor

Schedule: 2023

Estimated Cost $100.00

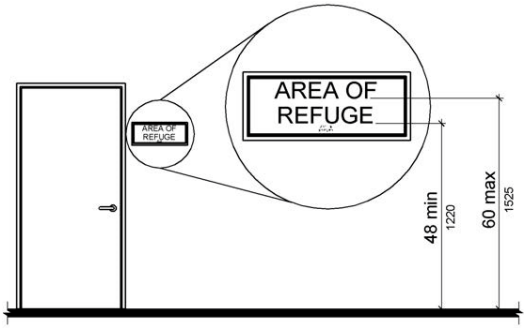
VIOLATIONS

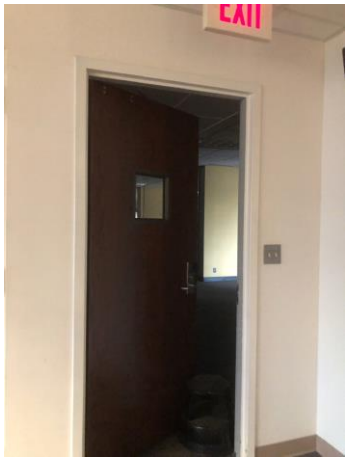
2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.





ID:	Facility:	Campus:
3350	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 305A - Women's Restroom

Schedule: 2024

Estimated Cost $1,000.00

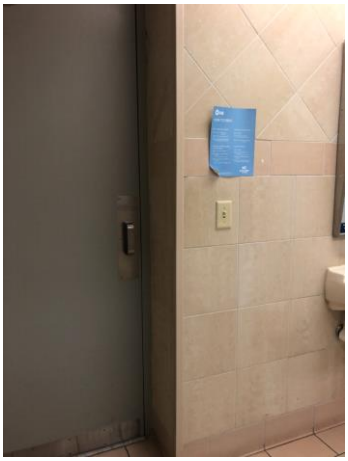
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.3

The door is recessed 12".

RECOMMENDATIONS

Make sure the clear width is 32” minimum and that the maneuvering clearance is 60” from the door.



ID:	Facility:	Campus:
3351	MT	Rockville

Priority Score 3

Quick Fix: No

Built before ADA: Yes

Location: Room 305A - Women's Restroom

Schedule: 2023

Estimated Cost $2,500.00

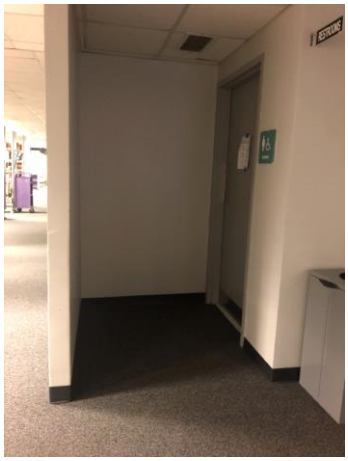
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.1

The corridor width itself meets ADA requirements, but the maneuvering clearances is insufficient to be considered accessible.

RECOMMENDATIONS

Remove the wall.



ID:	Facility:	Campus:
3352	MT	Rockville

Priority Score 3

Quick Fix: No

Built before ADA: Yes

Location: Room 305A - Women's Restroom

Schedule: 2023

Estimated Cost $5,000.00

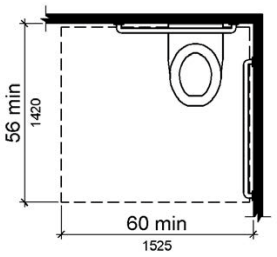
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.3.1

The clearance around the water closet is less than 60"x56" when measured perpendicular from the side wall and rear wall.

RECOMMENDATIONS

Combine the two non-accessible stalls into one 60" wide wheelchair accessible toilet stall, complying with §604.8.



ID:	Facility:	Campus:
3354	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 305A - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

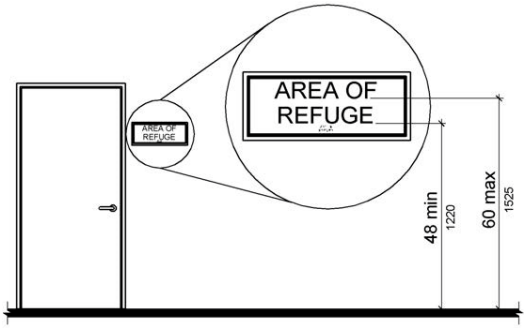
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3355	MT	Rockville

Priority Score 3

Quick Fix: No

Built before ADA: Yes

Location: Room 305B - Men's Restroom

Schedule: 2023

Estimated Cost $5,000.00

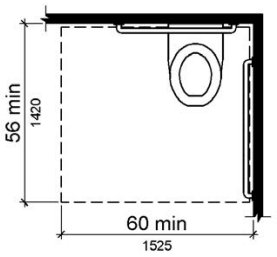
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.3.1

The clearance around the water closet is less than 60"x56" when measured perpendicular from the side wall and rear wall.

RECOMMENDATIONS

Combine the two non-accessible stalls into one 60" wide wheelchair accessible toilet stall, complying with §604.8.



ID:	Facility:	Campus:
3356	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 305B - Men's Restroom

Schedule: 2024

Estimated Cost $1,000.00

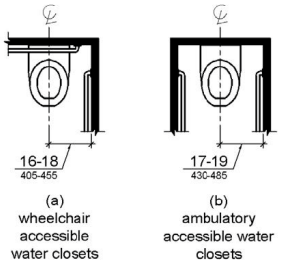
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.2

The toilet is 19" from the side wall.

RECOMMENDATIONS

Reposition the toilet to be 16" to 18" from the side wall to its center.



ID:	Facility:	Campus:
3357	MT	Rockville

Priority Score 3

Quick Fix: No

Built before ADA: Yes

Location: Room 305B - Men's Restroom

Schedule: 2023

Estimated Cost $2,500.00

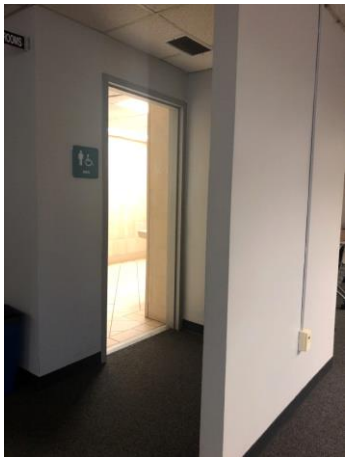
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.1

The corridor width itself meets ADA requirements, but the maneuvering clearances is insufficient to be considered accessible.

RECOMMENDATIONS

Remove the wall.



ID:	Facility:	Campus:
3358	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 305B - Men's Restroom

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.3

The door is recessed 12".

RECOMMENDATIONS

Make sure the clear width is 32” minimum and that the maneuvering clearance is 60” from the door.

ID:	Facility:	Campus:
3359	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 305C-E - Offices

Schedule: 2023

Estimated Cost $300.00

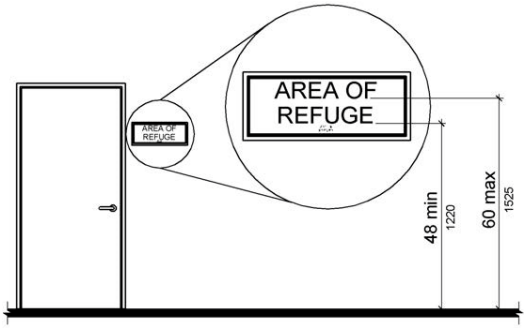
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3360	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 306 - Library

Schedule: 2023

Estimated Cost $100.00

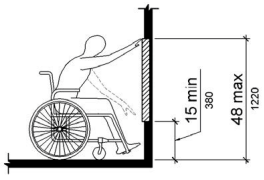
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The book shelves are 72" above the floor.

RECOMMENDATIONS

Ensure that the library has a policy that provides assistance to employees and volunteers reaching for shelves that are located beyond 48” above the floor.



ID:	Facility:	Campus:
3361	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 306A and 306B - Offices

Schedule: 2023

Estimated Cost $200.00

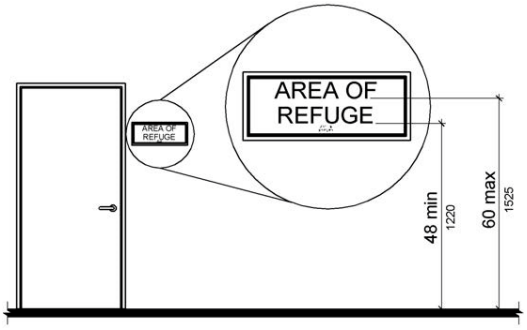
VIOLATIONS

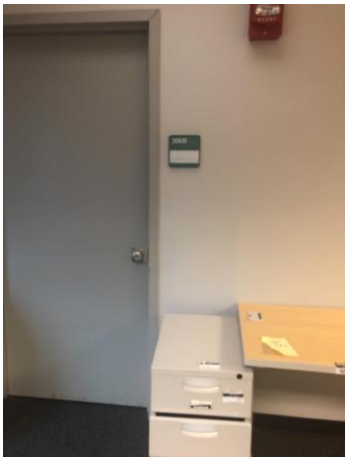
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3362	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 306B - Office

Schedule: 2023

Estimated Cost $100.00

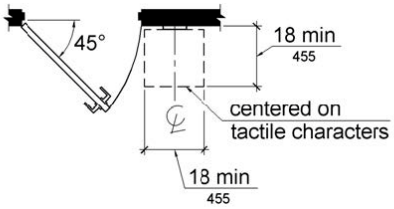
VIOLATIONS

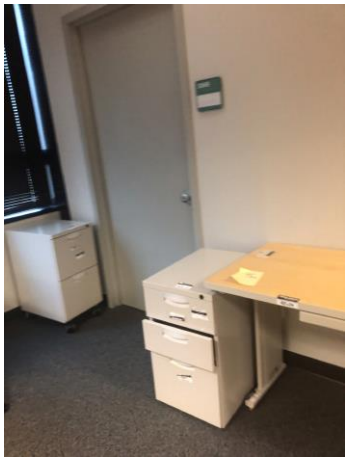
2010 ADA Standards for Accessible Design Codes: §703.4.2

The sign does not have clear floor space.

RECOMMENDATIONS

Relocate the storage item that is obstructing the 18"x18" clear floor space.





ID:	Facility:	Campus:
3363	MT	Rockville

Priority Score 3

Quick Fix: No

Built before ADA: Yes

Location: Room 307 - Lounge

Schedule: 2023

Estimated Cost $5,000.00

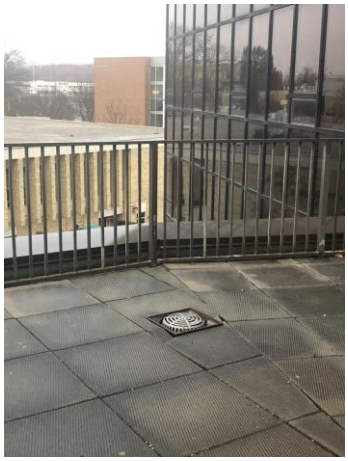
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §302.1, §303.2, §404.2.5

There is a step on the exterior of the doorway rendering the entrance inaccessible.
There are tripping hazards throughout the exterior lounge area.

RECOMMENDATIONS

Resurface the entrance pathways to allow for a level entrance with a maximum step of 0.25".
Resurface the exterior lounge area to remove cracks, bumps, and other possible tripping hazards.



ID:	Facility:	Campus:
3364	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 401 - Men's Restroom

Schedule: 2023

Estimated Cost $200.00

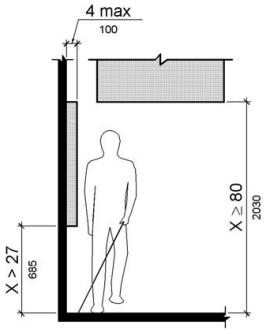
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The hand sanitizer and paper towel dispenser is protruding 6" and 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3365	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 401 - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

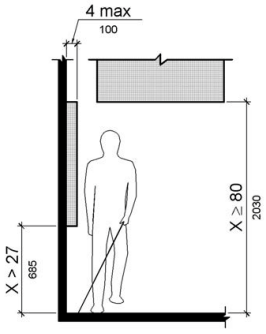
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The shelf is protruding 5" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3366	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 401 - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

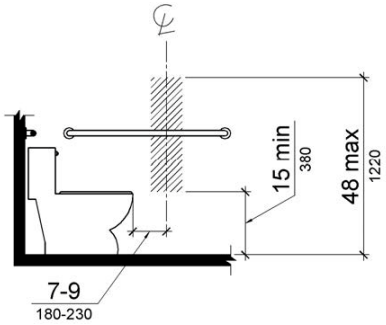
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.7

The toilet paper dispenser is not located in an accessible position.

RECOMMENDATIONS

Remount the toilet paper dispenser so that its centerline is located 7" minimum to 9" maximum in front of the toilet. Ensure that the height is within the acceptable reach range of 15" minimum to 48" maximum abov



ID:	Facility:	Campus:
3367	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 401 - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

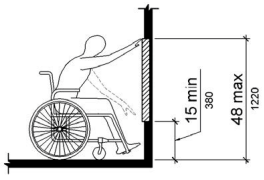
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 64" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3368	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 401 - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3369	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 401 - Men's Restroom

Schedule: 2023

Estimated Cost $500.00

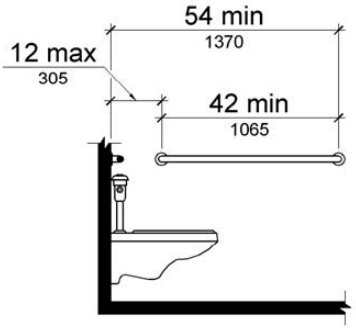
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3370	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 402 - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

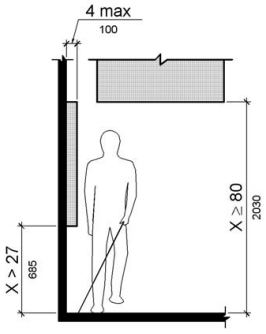
VIOLATIONS

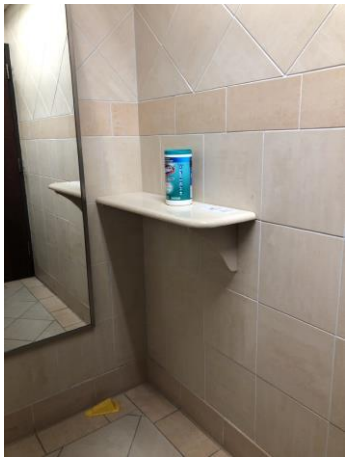
2010 ADA Standards for Accessible Design Codes: §307.2

The shelf is protruding 5" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.





ID:	Facility:	Campus:
3371	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 402 - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

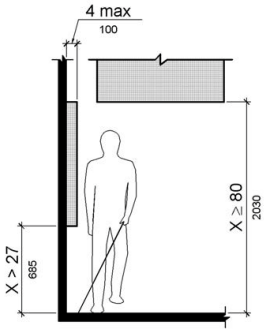
VIOLATIONS

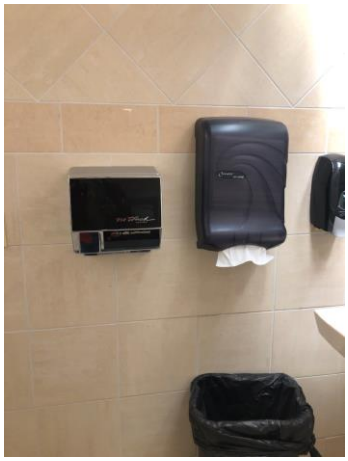
2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser and hand sanitizer is protruding 6" to 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.





ID:	Facility:	Campus:
3372	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 402 - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

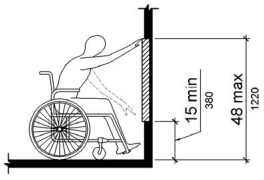
VIOLATIONS

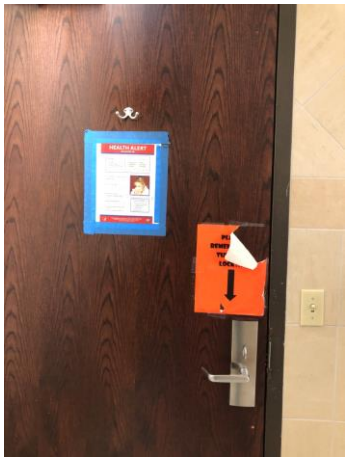
2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 66" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.





ID:	Facility:	Campus:
3373	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 402 - Women's Restroom

Schedule: 2023

Estimated Cost $500.00

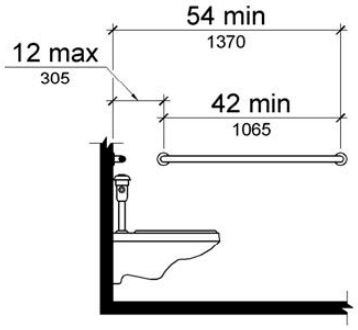
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3374	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 428 - Kitchen

Schedule: 2023

Estimated Cost $100.00

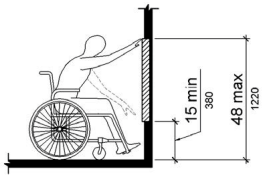
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The paper towel dispenser is 58" above the floor.

RECOMMENDATIONS

Lower the paper towel dispenser to 48" above the floor.



ID:	Facility:	Campus:
3375	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 428 - Kitchen

Schedule: 2024

Estimated Cost $2,000.00

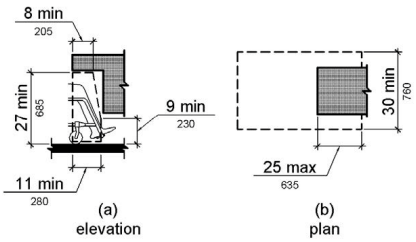
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §306.3.3, §606.3

The sink is 36" above the floor.
There is no knee clearance underneath the sink.

RECOMMENDATIONS

Lower the sink to a height of 34" above the floor.
Provide knee clearance underneath the counter at the sink that is a minimum of 11" deep at 9" above the floor and 8" deep at 27" above the floor.



ID:	Facility:	Campus:
3376	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 428A - Storage

Schedule: 2023

Estimated Cost $100.00

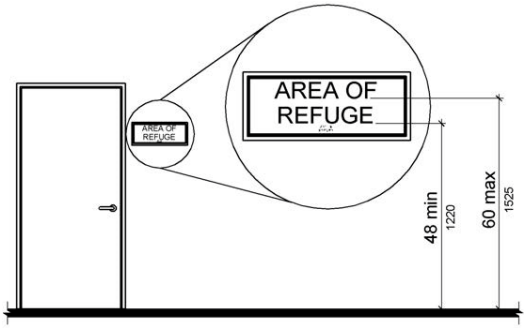
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 65" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3377	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 433B - IT Mechanical

Schedule: 2023

Estimated Cost $100.00

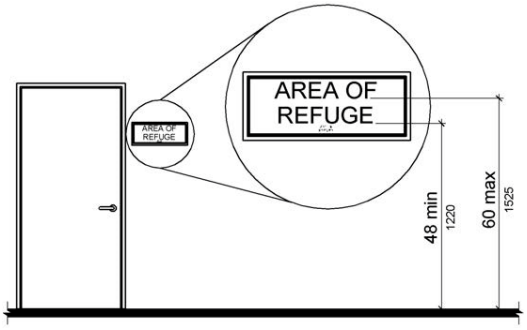
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3378	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 491 - South Corridor

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4

There are two drinking fountains provided and the spout is 41" above the floor.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor or lower one of the existing drinking fountains to a maximum spout height of 36" above the floor.

ID:	Facility:	Campus:
3379	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 491 - South Corridor

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4

Both of the drinking fountains are too high.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor or lower an existing drinking fountain.

ID:	Facility:	Campus:
3380	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: 4th Floor South & North Corridor

Schedule: 2023

Estimated Cost $3,400.00

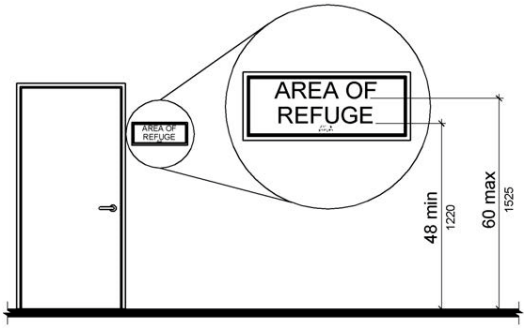
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.
Rooms 403-409, 411-429, 430A, 431A, 431B, 431C, 431D, 433A, 433B, 434A.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3381	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500A - Men's Restrom

Schedule: 2023

Estimated Cost $200.00

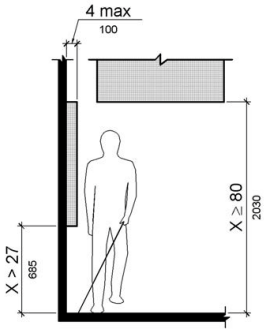
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser and hand dryer are protruding 6" and 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3382	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500A - Men's Restrom

Schedule: 2023

Estimated Cost $100.00

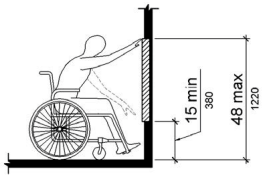
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 64" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3383	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500A - Men's Restrom

Schedule: 2023

Estimated Cost $100.00

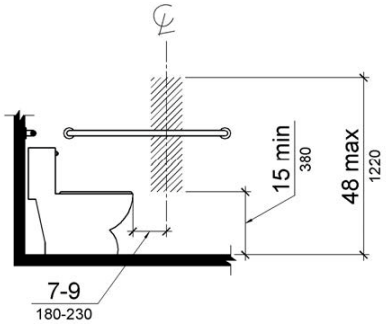
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.7

The toilet paper dispenser is not located in an accessible position.

RECOMMENDATIONS

Remount the toilet paper dispenser so that its centerline is located 7" minimum to 9" maximum in front of the toilet. Ensure that the height is within the acceptable reach range of 15" minimum to 48" maximum abov



ID:	Facility:	Campus:
3384	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500A - Men's Restrom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3385	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500A - Men's Restrom

Schedule: 2023

Estimated Cost $500.00

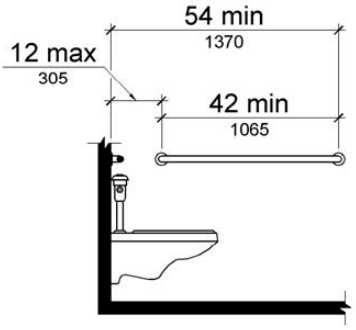
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3386	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500B - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

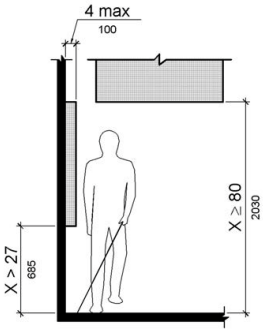
VIOLATIONS

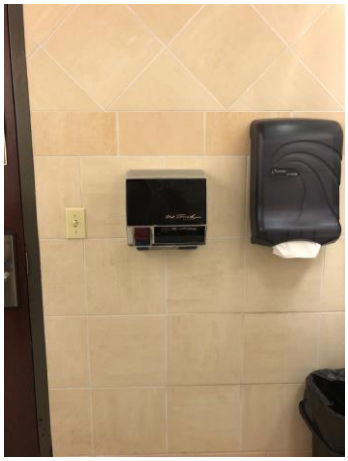
2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser and hand dryer are protruding 6" to 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating it or providing cane detectability by placing an object underneath.





ID:	Facility:	Campus:
3387	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500B - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

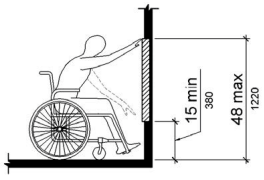
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 64" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3388	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500B - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3389	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 500B - Women's Restroom

Schedule: 2023

Estimated Cost $500.00

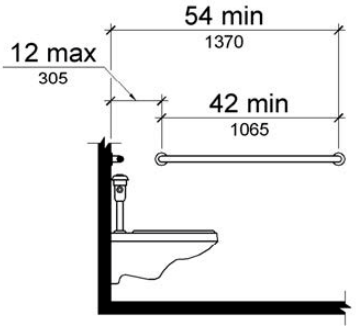
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3390	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 501-504

Schedule: 2023

Estimated Cost $100.00

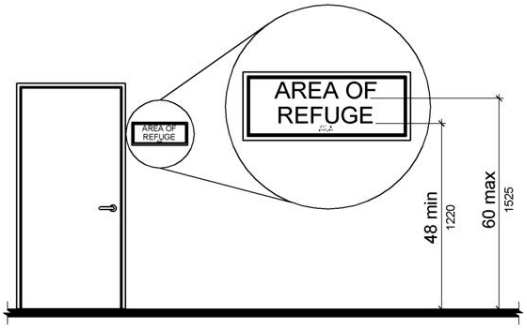
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The centerline of the tactile characters is 12" from the edge of the door.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3391	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 512A - Office

Schedule: 2023

Estimated Cost $100.00

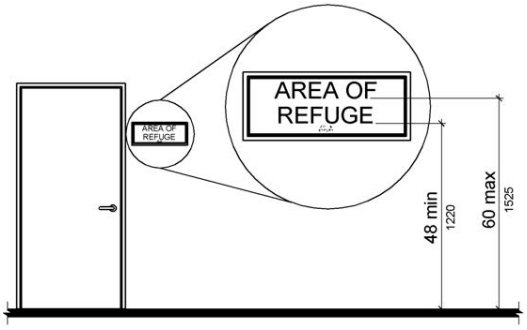
VIOLATIONS

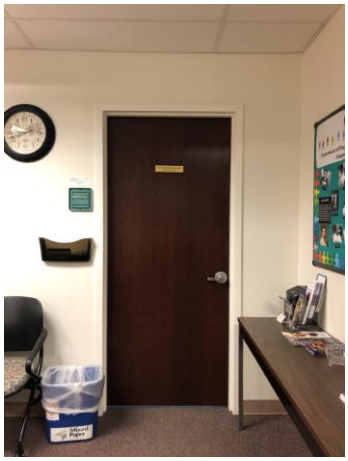
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3392	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 512B - Office

Schedule: 2023

Estimated Cost $100.00

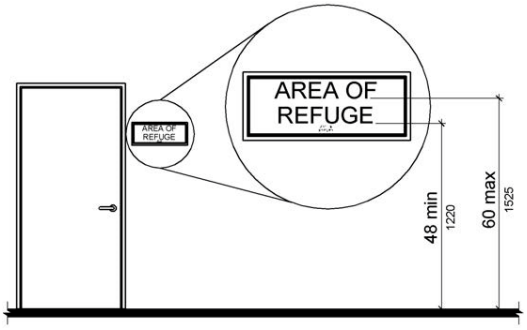
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3393	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 513 - Storage

Schedule: 2023

Estimated Cost $100.00

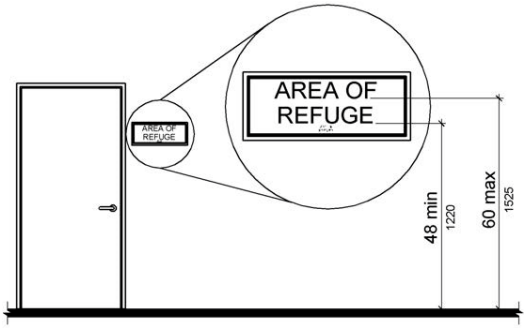
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3394	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 517, 518, and 534A

Schedule: 2023

Estimated Cost $300.00

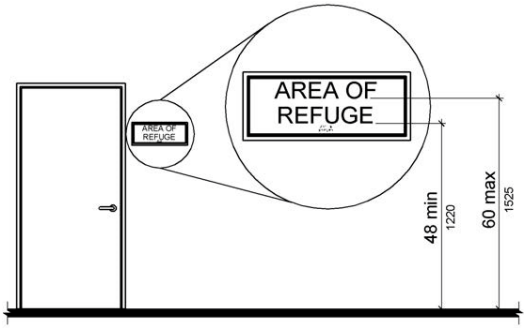
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3395	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 512 - North Suite Entry

Schedule: 2023

Estimated Cost $100.00

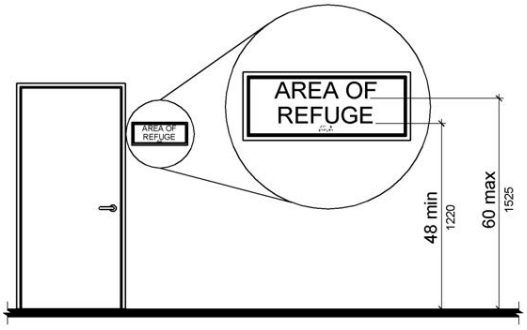
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3396	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 526 - English Department

Schedule: 2023

Estimated Cost $200.00

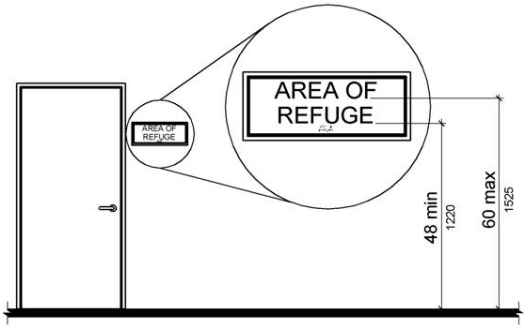
VIOLATIONS

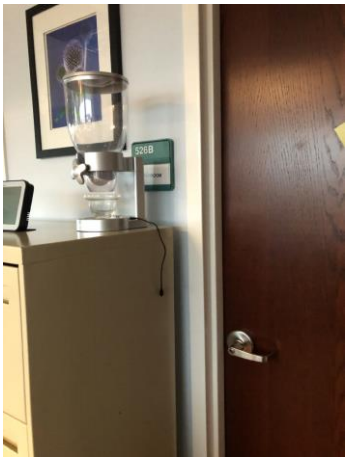
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3397	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 526B - Storage

Schedule: 2023

Estimated Cost $200.00

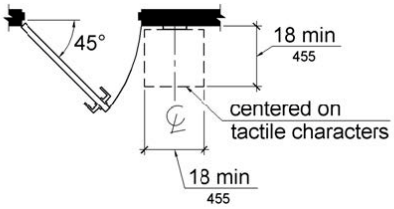
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4.2

The signs do not have clear floor space.

RECOMMENDATIONS

Relocate the storage items that are obstructing the 18"x18" clear floor spaces.



ID:	Facility:	Campus:
3398	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 528 - Copy/Fax

Schedule: 2023

Estimated Cost $100.00

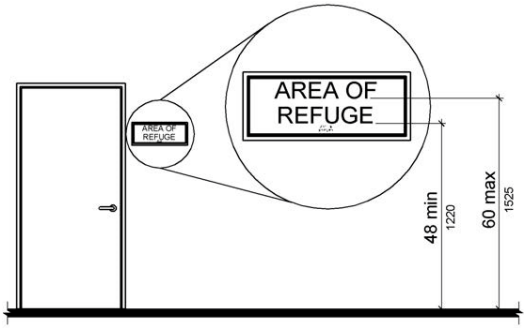
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

The sign is broken and is 18" from the door.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3399	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 528 - Copy/Fax

Schedule: 2023

Estimated Cost $100.00

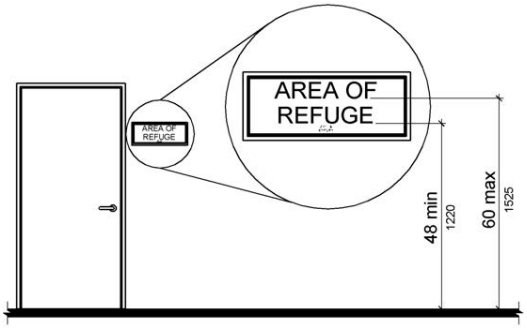
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3400	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 530 - South Suite Entry

Schedule: 2023

Estimated Cost $500.00

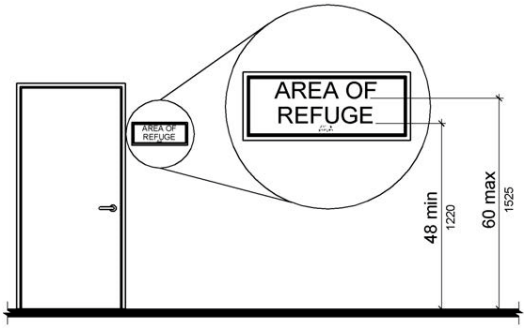
VIOLATIONS

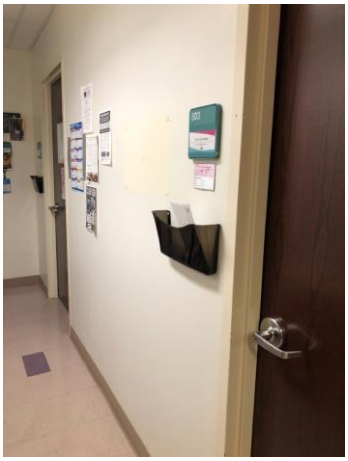
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3401	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 531A - Telephone

Schedule: 2023

Estimated Cost $100.00

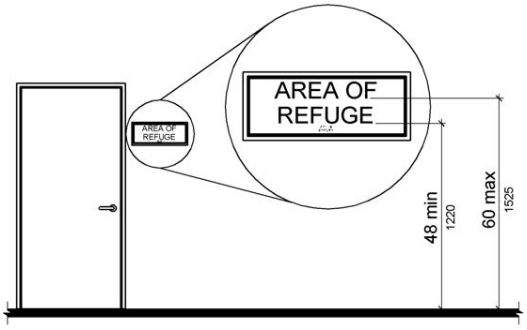
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location 31" from the edge of the double door.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door. Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3402	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 534A - Mechanical

Schedule: 2023

Estimated Cost $100.00

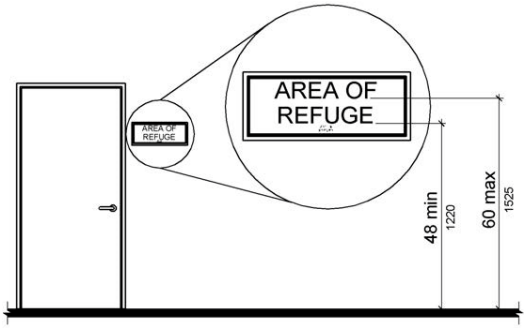
VIOLATIONS

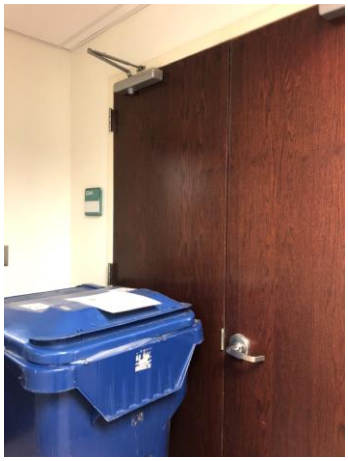
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the inactive door.





ID:	Facility:	Campus:
3403	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 591 - South Corridor

Schedule: 2024

Estimated Cost $1,500.00

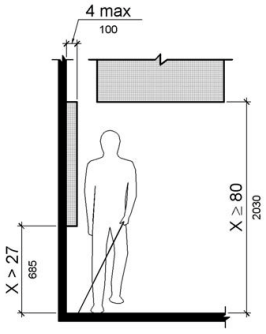
VIOLATIONS

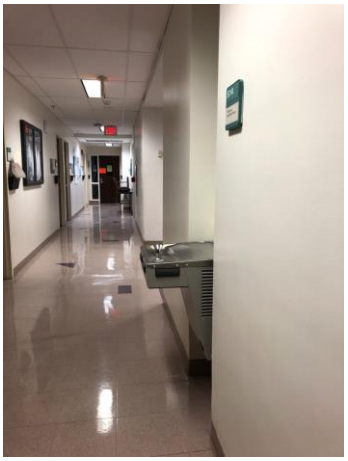
2010 ADA Standards for Accessible Design Codes: §211.2, §602.7, §307.2

The drinking fountain protrudes into the circulation path.
There is only one drinking fountain provided and the spout is 36" above the floor.

RECOMMENDATIONS

Place a drinking fountain skirt at this location to provide cane detectability.
Install an additional drinking fountain at a minimum spout height of 38" and maximum of 43" above the floor.





ID:	Facility:	Campus:
3404	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 591 - South Corridor

Schedule: 2023

Estimated Cost $1,100.00

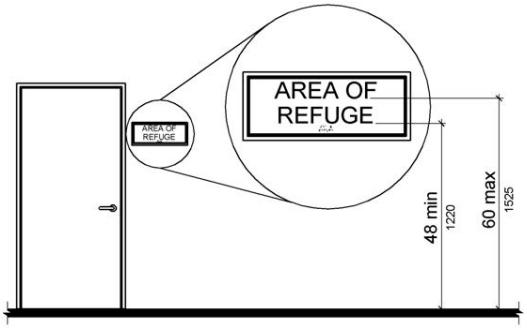
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
3405	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 520-527, 535A, 534B, and 513

Schedule: 2023

Estimated Cost $1,000.00

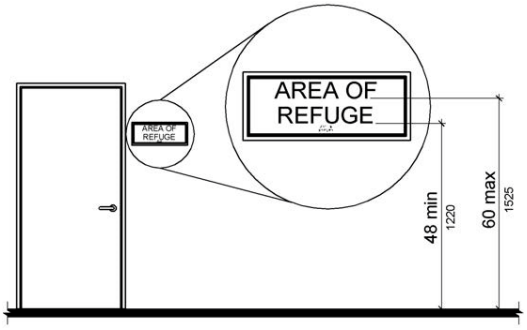
VIOLATIONS

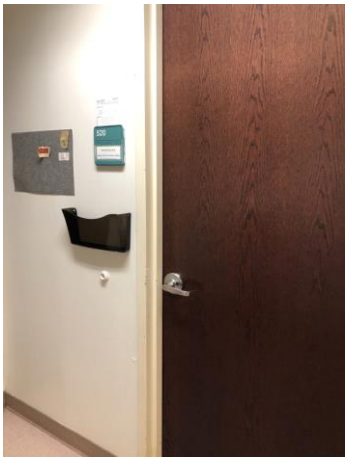
2010 ADA Standards for Accessible Design Codes: §703.4

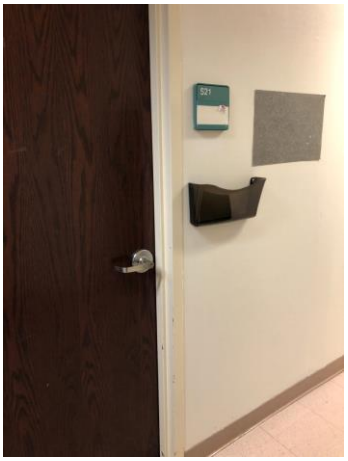
The tactile signs identifying the rooms are not in the correct locations at 62" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.







ID:	Facility:	Campus:
3406	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 595 - North Corridor

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4

There is only one drinking fountain provided and the spout is 40" above the floor.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor.

ID:	Facility:	Campus:
3407	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600A - Men's Restroom

Schedule: 2023

Estimated Cost $200.00

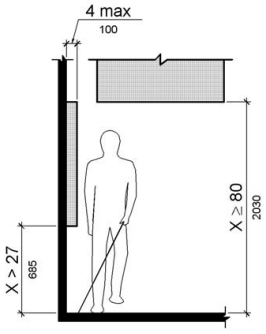
VIOLATIONS

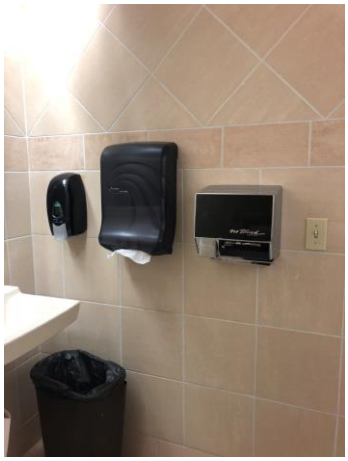
2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser and hand dryer are protruding 6" and 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating them or providing cane detectability by placing an object underneath.





ID:	Facility:	Campus:
3408	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600A - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

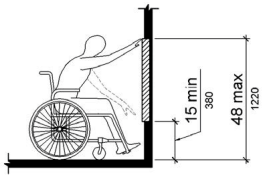
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 64" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3409	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600A - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

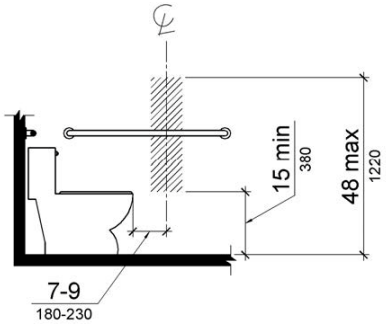
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.7

The toilet paper dispenser is not located in an accessible position.

RECOMMENDATIONS

Remount the toilet paper dispenser so that its centerline is located 7" minimum to 9" maximum in front of the toilet. Ensure that the height is within the acceptable reach range of 15" minimum to 48" maximum abov



ID:	Facility:	Campus:
3410	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600A - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3411	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600A - Men's Restroom

Schedule: 2023

Estimated Cost $500.00

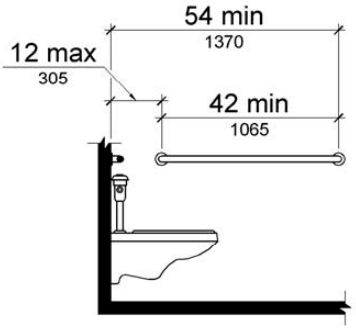
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3412	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600B - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

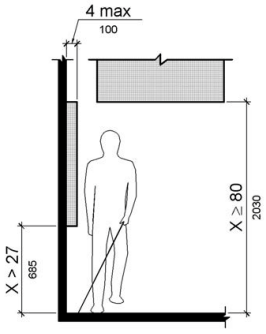
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The hand dryer and paper towel dispenser are protruding 6" to 7" into the circulation path.

RECOMMENDATIONS

Reduce the protrusion depth to a maximum of 4” by relocating them or providing cane detectability by placing an object underneath.



ID:	Facility:	Campus:
3413	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600B - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

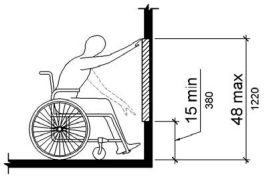
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The coat hook is 64" above the floor.

RECOMMENDATIONS

Lower the coat hook to 48" above the floor.



ID:	Facility:	Campus:
3414	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600B - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
3415	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 600B - Women's Restroom

Schedule: 2023

Estimated Cost $500.00

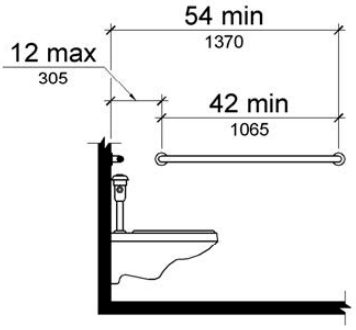
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.5.1

The side grab bar is 13" from the rear wall.

RECOMMENDATIONS

Relocate the side grab bar 12" away from the rear wall.



ID:	Facility:	Campus:
3416	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 608 - Pantry

Schedule: 2024

Estimated Cost $2,000.00

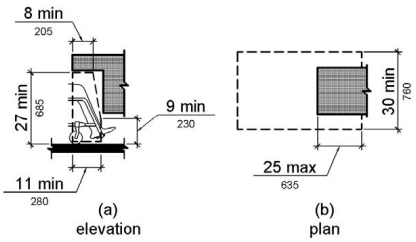
VIOLATIONS

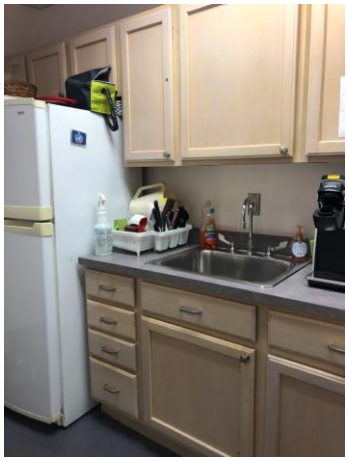
2010 ADA Standards for Accessible Design Codes: §606.3, §902.3, §306.3.3

The dining and work surface counter height exceeds the maximum height of 34".
The sink is 36.5" above the floor. There is no knee clearance underneath the sink.

RECOMMENDATIONS

A 30" portion of the dining and work surface must be no higher than 34" above the floor.
Lower the sink to a height of 34" above the floor. Provide knee clearance underneath the counter at the sink that is a minimum of 11" deep at 9" above the floor and 8" deep at 27" above the floor.





ID:	Facility:	Campus:
3417	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 625 - Suite Hallway

Schedule: 2023

Estimated Cost $100.00

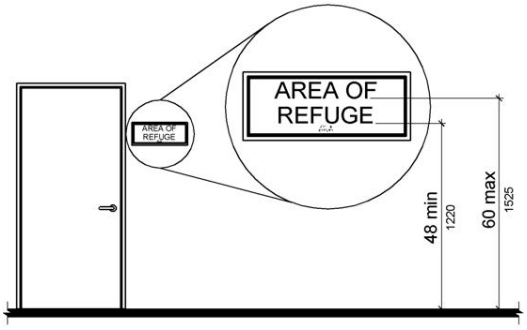
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the inactive leaf.



ID:	Facility:	Campus:
3418	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 625 - Suite Hallway

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.7

There is only one drinking fountain provided and the spout is 36" above the floor.

RECOMMENDATIONS

Install an additional drinking fountain at a minimum spout height of 38" and maximum of 43" above the floor.

ID:	Facility:	Campus:
3419	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 625 - Suite Hallway

Schedule: 2023

Estimated Cost $100.00

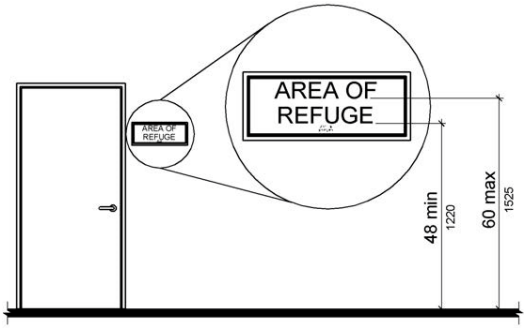
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

The tactile sign identifies the 6th Floor and not the Office of the Dean.

RECOMMENDATIONS

Replace the tactile sign to identify the Office of the Dean.



ID:	Facility:	Campus:
3420	MT MBI-Suite	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Basement

Schedule: 2023

Estimated Cost $100.00

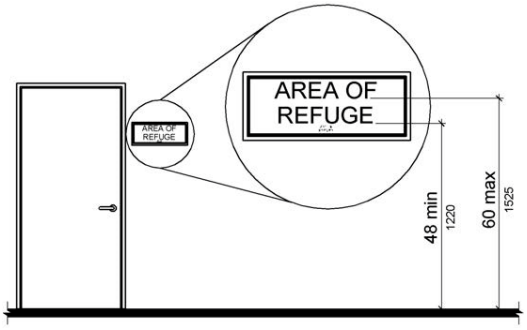
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage to the right of the right hand door at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
3421	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 1

Schedule: 2023

Estimated Cost $600.00

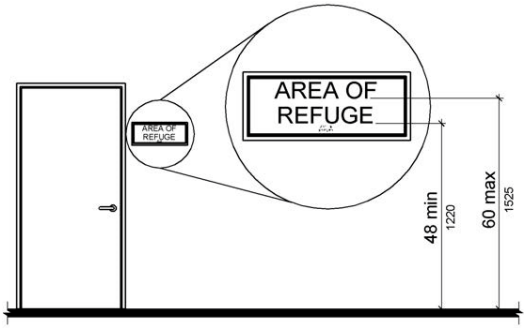
VIOLATIONS

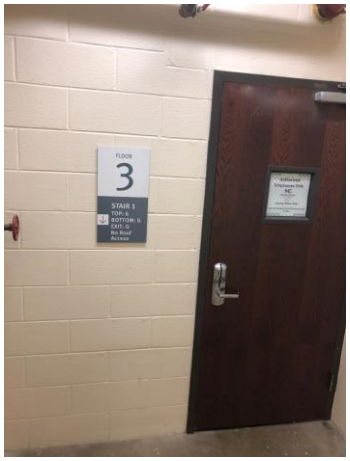
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location at 61" above the floor.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character. Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
3422	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Stair 1 & 2

Schedule: 2024

Estimated Cost $1,000.00

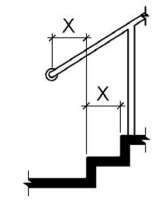
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §505.10.2, §505.10.3

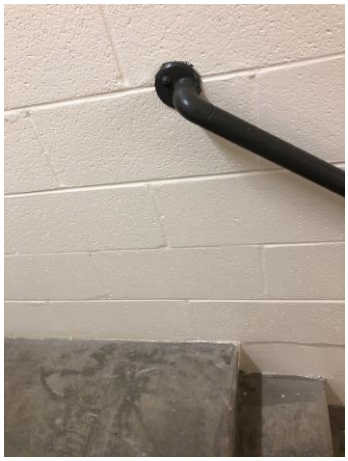
There are no handrail extensions at the top or bottom of the stairs.

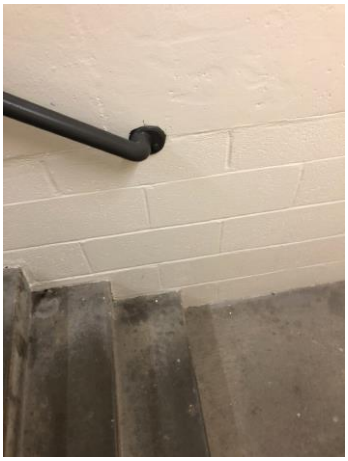
RECOMMENDATIONS

Install new handrails with extensions that extend at least 12" horizontally above the landing beginning directly above the first stair riser nosing and extend for a horizontal distance at least equal to one tread depth beyond the last riser nosi



Note: X = tread depth





ID:	Facility:	Campus:
3423	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Stair 5

Schedule: 2024

Estimated Cost $1,000.00

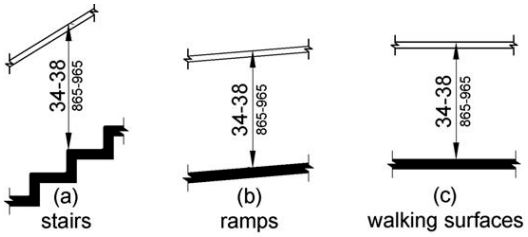
VIOLATIONS

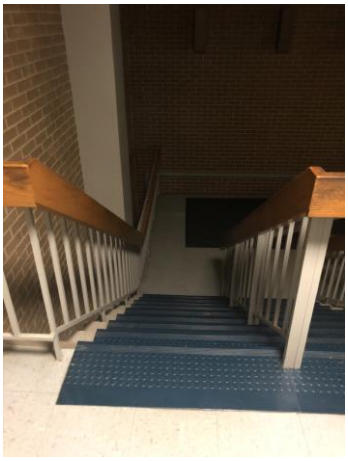
2010 ADA Standards for Accessible Design Codes: §505.2

There are no handrails.

RECOMMENDATIONS

Install an additional handrail to the wall side of the ramp at a height between 34” minimum and 38” maximum. Make sure there are adequate handrail extensions both at the top and bottom of the handrail.





ID:	Facility:	Campus:
3424	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Stair 5 3rd floor & 2nd floor

Schedule: 2023

Estimated Cost $500.00

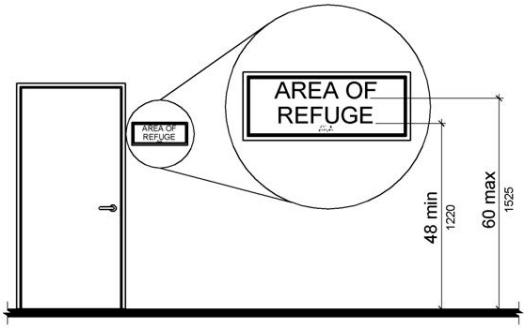
VIOLATIONS

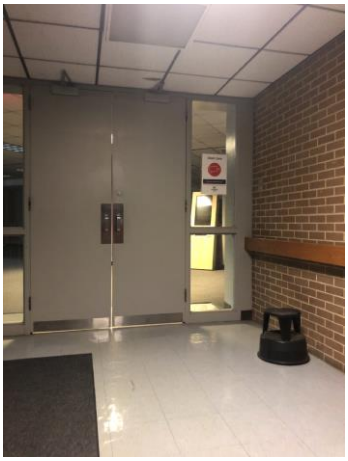
2010 ADA Standards for Accessible Design Codes: §216.2, §703

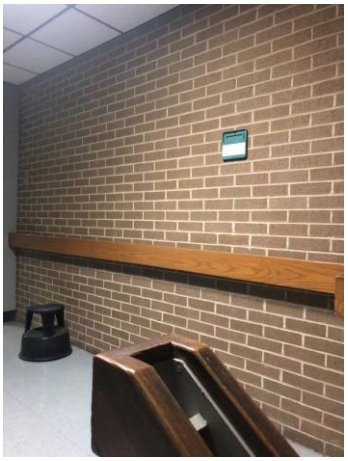
There is no tactile sign identifying the permanent rooms at each landing.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name or room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.







ID:	Facility:	Campus:
6213	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 026 - Master Control Room

Schedule: 2023

Estimated Cost $300.00

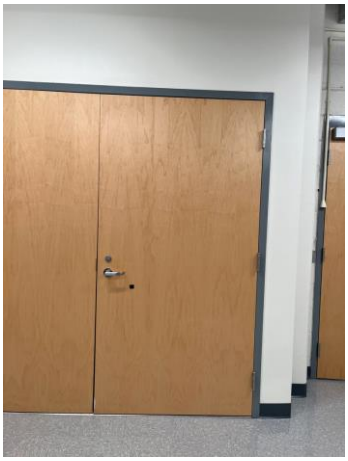
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the inactive leaf at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
6214	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 023 - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.9, §404.2.8.1

The closing speed of the door is too fast.
The opening and closing force of the door exceeds the maximum force of 5 pounds.

RECOMMENDATIONS

Adjust the resistance on the door so that it allows the door to be continuously opened at a force not exceeding 5 pounds and to ensure that closure takes 5 or more seconds.

ID:	Facility:	Campus:
6215	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 025 - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.8, §404.2.9

The closing speed of the door is too fast.
The opening and closing force of the door exceeds the maximum force of 5 pounds.

RECOMMENDATIONS

Adjust the resistance on the door so that it allows the door to be continuously opened at a force not exceeding 5 pounds and to ensure that closure takes 5 or more seconds.

ID:	Facility:	Campus:
6216	MT	Rockville

Priority Score10

Quick Fix: Yes

Built before ADA: Yes

Location: Room 022 - Unisex Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: General Guidance

The unisex restroom is not marked as accessible.

RECOMMENDATIONS

Provide signage indicating that the restrooms are accessible at a minimum height of 48" and a maximum height of 60" above the floor.

ID:	Facility:	Campus:
6217	MT	Rockville

Priority Score 4

Quick Fix: Yes

Built before ADA: Yes

Location: Room 022 - Unisex Restroom

Schedule: 2023

Estimated Cost $250.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.9, §404.2.8

The opening and closing force of the door exceeds the maximum force of 5 pounds. The closing speed of the door is too fast.

RECOMMENDATIONS

Adjust the resistance on the door so that it allows the doors to be continuously opened at a force not exceeding 5 pounds.
Adjust the closing speed of the door to ensure that closure takes 5 or more seconds.

ID:	Facility:	Campus:
6218	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 015 - Break Room

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The wipes holder protrudes into the circulation space.

RECOMMENDATIONS

Recess the wipes holder so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6219	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 015 - Break Room

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §306.3.3

The sink counter does not have knee clearance.

RECOMMENDATIONS

Provide knee clearance underneath the counter at the sink that is a minimum of 11" deep at 9" above the floor and 8" deep at 27" above the floor.

ID:	Facility:	Campus:
6220	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 008 - Storage

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located on the inactive leaf.

ID:	Facility:	Campus:
6221	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room E3 - Elevator Cab 3

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the elevator is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.

ID:	Facility:	Campus:
6222	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 096 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The TV protrudes into the circulation space.

RECOMMENDATIONS

Recess the TV so it protrudes a maximum of 4", raise it so the bottom edge is 80" maximum above the floor, or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6223	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room SD - Stair 4

Schedule: 2023

Estimated Cost $100.00

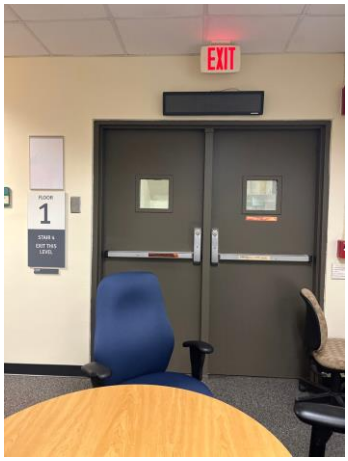
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located to the right of the right hand door.



ID:	Facility:	Campus:
6224	MT	Rockville

Priority Score 2

Quick Fix: No

Built before ADA: Yes

Location: Room 020 - Writing Center

Schedule: 2023

Estimated Cost $2,500.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §707

The interactive touch screen does not have any sound or tactile components. Therefore, a visually impaired person would not be able to access the information provided by the kiosk.

RECOMMENDATIONS

Audio instructions must be provided that guide the user through all the functions of the machine. Tactile instructions must be provided informing the user on the
method of activating the audio instructions or ensure there is an accessible alternative print station.

ID:	Facility:	Campus:
6225	MT	Rockville

Priority Score 4

Quick Fix: No

Built before ADA: Yes

Location: Room 020 - Writing Center

Schedule: 2023

Estimated Cost $1,000.00

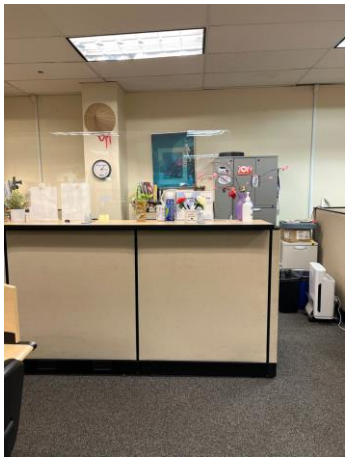
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §904.4.1

The counter height exceeds the maximum height of 36".

RECOMMENDATIONS

A portion of the service counter must lowered to be no higher than 36" above the floor for a horizontal distance of 36".
An alternative would be to provide a supplementary table or extension that is a maximum of 36" above the floor.



ID:	Facility:	Campus:
6226	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 017 - Conference Room

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The TV protrudes into the circulation space.

RECOMMENDATIONS

Recess the TV so it protrudes a maximum of 4", raise it so the bottom edge is 80" maximum above the floor, or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6227	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 092 - Vestibule

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage to the right of the right hand door at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6228	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 010 - Field Equipment Charging

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located on the inactive leaf.

ID:	Facility:	Campus:
6229	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 098 - Loading Dock

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.4, §703

Door serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the base

ID:	Facility:	Campus:
6230	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Basement

Schedule: 2023

Estimated Cost $400.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6231	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 096 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The TV protrudes into the circulation space.

RECOMMENDATIONS

Recess the TV so it protrudes a maximum of 4", raise it so the bottom edge is 80" maximum above the floor, or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6232	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 009D - Audio Booth

Schedule: 2024

Estimated Cost $2,500.00

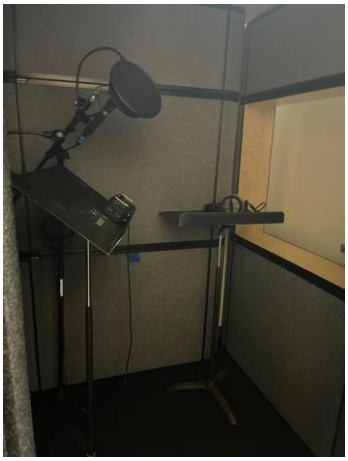
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.5, §404.2

The threshold at the doorway exceeds the maximum allowable threshold of 0.5". The doorway is not wide enough for a wheelchair to fit through.

RECOMMENDATIONS

Reduce the lip on the door to no more than 1/2" to 3/4" if beveled on each side.
Increase the door width to a minimum of 32” or ensure an accessible alternative audio booth is available for wheelchair users.



ID:	Facility:	Campus:
6233	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 009 - Hallway

Schedule: 2023

Estimated Cost $100.00

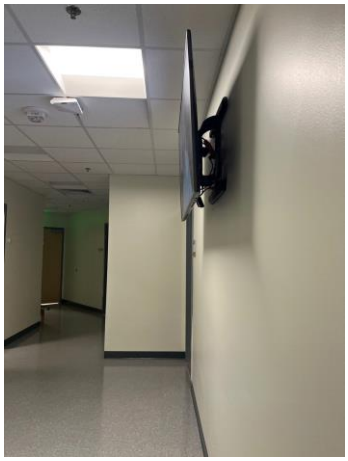
VIOLATIONS

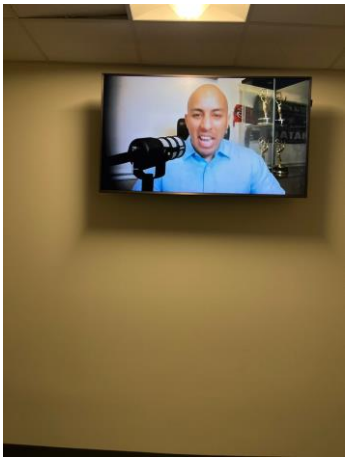
2010 ADA Standards for Accessible Design Codes: §307.2

The TV protrudes into the circulation space.

RECOMMENDATIONS

Recess the TV so it protrudes a maximum of 4", raise it so the bottom edge is 80" maximum above the floor, or place a cane detectable object beneath it.





ID:	Facility:	Campus:
6234	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 009A, 009P, and 010 - Editing Suites, Audio Booth, and Field Equipment Charging

Schedule: 2023

Estimated Cost $300.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6235	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 095 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage to the right of the right hand door at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6236	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 090 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The TV protrudes into the circulation space.

RECOMMENDATIONS

Recess the TV so it protrudes a maximum of 4", raise it so the bottom edge is 80" maximum above the floor, or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6237	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 009, 001C ,001B - Hallway, Electrical, and Mechanical

Schedule: 2023

Estimated Cost $300.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6238	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms E1 and E2 - Elevator Cab 1 and 2

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6239	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 002 - Swing Space

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage to the right of the right hand door at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6240	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001D - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser protrudes into the circulation space.

RECOMMENDATIONS

Recess the paper towel dispenser so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6241	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001D - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2, §308.2.1

The hand dryer protrudes into the circulation space.

RECOMMENDATIONS

Recess the hand dryer so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6242	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001E - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser protrudes into the circulation space.

RECOMMENDATIONS

Recess the paper towel dispenser so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6243	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001E - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The hand dryer protrudes into the circulation space.

RECOMMENDATIONS

Recess the hand dryer so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6244	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001E - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
6245	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001E - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The lock controls are not operable with one hand, without grasping, pinching or twisting of the wrist.

RECOMMENDATIONS

Replace the door lock with one that can be operated with one hand, requiring less than 5 pounds of force to operate.

ID:	Facility:	Campus:
6246	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001E - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.8.1.2

The door is not self-closing.

RECOMMENDATIONS

Install a self closing door hinge on the door.

ID:	Facility:	Campus:
6247	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001D - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
6248	MT	Rockville

Priority Score 6

Quick Fix: No

Built before ADA: Yes

Location: Room 090 - Corridor

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §211.2, §602.4, §307.2

There is only one drinking fountain provided and the spout is 38" above the floor. The drinking fountain protrudes 8" into the circulation path.

RECOMMENDATIONS

Install an additional drinking fountain at a maximum spout height of 36" above the floor. Place a drinking fountain skirt at this location to provide cane detectability.

ID:	Facility:	Campus:
6249	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001 - Vending/Lounge

Schedule: 2023

Estimated Cost $100.00

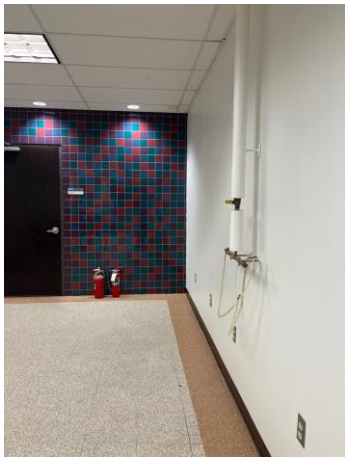
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The pipes protrude into the circulation space.

RECOMMENDATIONS

Recess the pipes so they protrude a maximum of 4", lower it so the bottom edge is 27" maximum above the floor, or place a cane detectable object beneath it.



ID:	Facility:	Campus:
6250	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 002 - Swing Space

Schedule: 2023

Estimated Cost $200.00

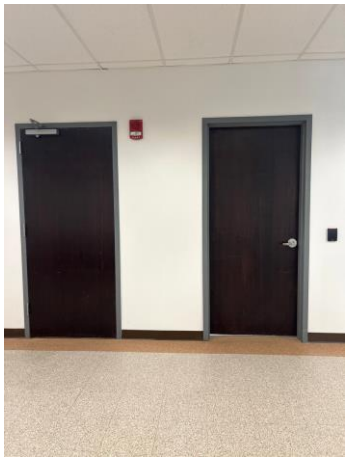
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.



ID:	Facility:	Campus:
6251	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 001A - Custodial

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6252	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 090 - Corridor

Schedule: 2023

Estimated Cost $300.00

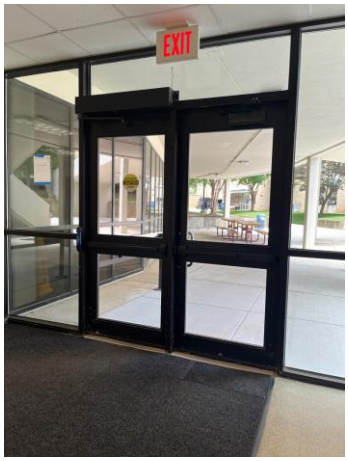
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.



ID:	Facility:	Campus:
6253	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room SA - Stair 1

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6254	MT	Rockville

Priority Score 4

Quick Fix: Yes

Built before ADA: Yes

Location: Room 102 - Office

Schedule: 2023

Estimated Cost $100.00

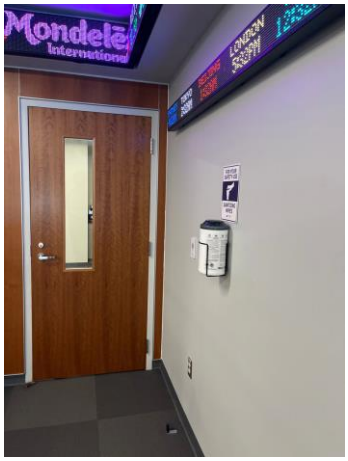
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2, §404.2.4.1

The wipe holder protrudes into the circulation space and causes there to in insufficient maneuvering clearance at the door.

RECOMMENDATIONS

Recess the wipe holder so it protrudes a maximum of 4" or relocate it away from the doorway.



ID:	Facility:	Campus:
6255	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 102 - Office

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6256	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104C - Left Bathroom

Schedule: 2023

Estimated Cost $100.00

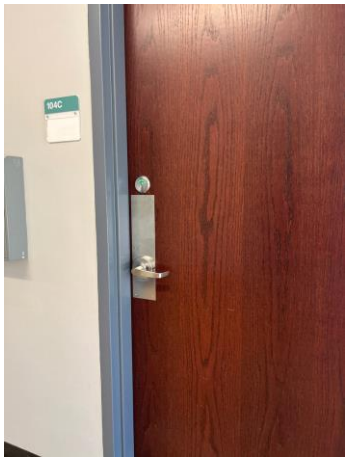
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.8

The closing speed of the door is too fast.

RECOMMENDATIONS

Adjust the closing speed of the door to ensure that closure takes 5 or more seconds.



ID:	Facility:	Campus:
6257	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 104C and 104B - Unisex Restrooms

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The locks are 50" above the floor.

RECOMMENDATIONS

Lower the locks to a height between 15" and 48" above the floor.

ID:	Facility:	Campus:
6258	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104C - Unisex Bathroom

Schedule: 2023

Estimated Cost $500.00

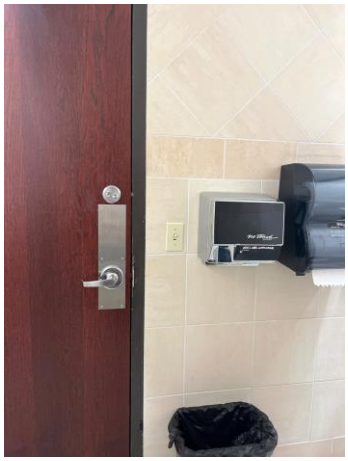
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.1

The corridor width itself meets ADA requirements, but the maneuvering clearances is insufficient to be considered accessible.

RECOMMENDATIONS

Add an automatic door opener to make the doorway/corridor accessible and relocate the changing table and hand dryer to ensure there is a minimumm of 60" perpendicular to the latch side of the door.



ID:	Facility:	Campus:
6260	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104C - Unisex Bathroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
6261	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104C - Unisex Bathroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser protrudes into the circulation space.

RECOMMENDATIONS

Recess the paper towel dispenser so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6262	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104C - Unisex Bathroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The hand dryer protrudes into the circulation space.

RECOMMENDATIONS

Recess the hand dryer so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6263	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104C - Unisex Bathroom

Schedule: 2023

Estimated Cost $100.00

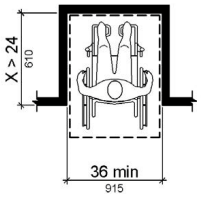
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §305.7.1

There is insufficient maneuvering clearance in a forward approaching sink.

RECOMMENDATIONS

Recess the paper towel dispenser or relocate it.



ID:	Facility:	Campus:
6265	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104C - Unisex Bathroom

Schedule: 2023

Estimated Cost $100.00

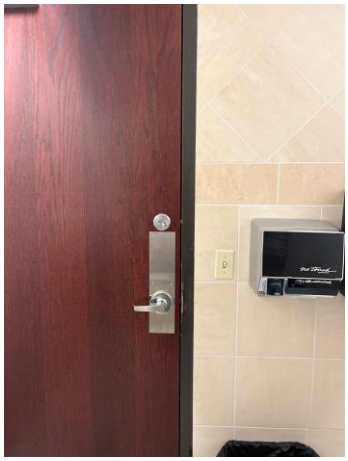
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The lock on the door requires pinching of the fingers to operate.

RECOMMENDATIONS

Replace the lock on the door with one that does not require tight grasping, pinching, or twisting of the wrist.



ID:	Facility:	Campus:
6266	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104B - Unisex Restroom

Schedule: 2023

Estimated Cost $100.00

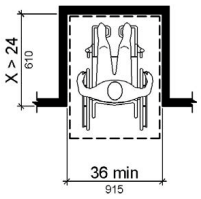
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §305.7.1

There is insufficient maneuvering clearance in a forward approaching alcove due to the cabinet.

RECOMMENDATIONS

Relocate the cabinet.



ID:	Facility:	Campus:
6268	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104B - Unisex Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirror is too high to be accessible.

RECOMMENDATIONS

Lower the mirror so that its bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
6269	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104B - Unisex Restroom

Schedule: 2023

Estimated Cost $100.00

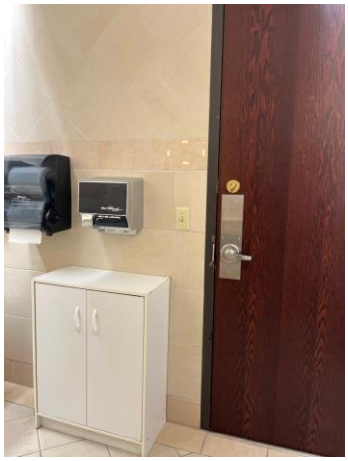
VIOLATIONS

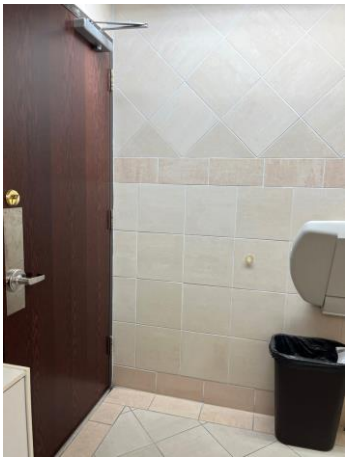
2010 ADA Standards for Accessible Design Codes: §404.2.4.1

There is not adequate maneuvering clearance to operate the door.

RECOMMENDATIONS

Reocate the cabinet.





ID:	Facility:	Campus:
6270	MT	Rockville

Priority Score 0

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104B - Unisex Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The lock on the door requires pinching of the fingers to operate.

RECOMMENDATIONS

Replace the lock on the door with one that does not require tight grasping, pinching, or twisting of the wrist.

ID:	Facility:	Campus:
6271	MT	Rockville

Priority Score 4

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104B - Unisex Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.8

The closing speed of the door is too fast.

RECOMMENDATIONS

Adjust the closing speed of the door to ensure that closure takes 5 or more seconds.

ID:	Facility:	Campus:
6272	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room SB - Stair 2

Schedule: 2023

Estimated Cost $100.00

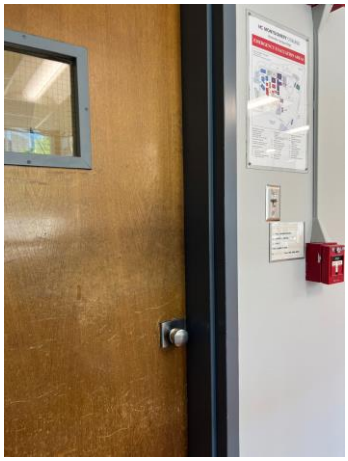
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.



ID:	Facility:	Campus:
6273	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room SB - Stair 2

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6274	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 190 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The bleed control unit protrudes into the circulation space.

RECOMMENDATIONS

Recess the bleed control unit so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6275	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 190 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The AED protrudes into the circulation space.

RECOMMENDATIONS

Recess the AED so it protrudes a maximum of 4" or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6276	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104D - Telephone

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage to the right of the right hand door at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6277	MT	Rockville

Priority Score10

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 104B and 104C - Unisex Restrooms

Schedule: 2023

Estimated Cost $200.00

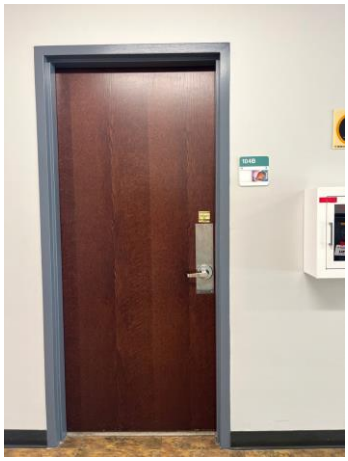
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: General Guidance

The accessible restrooms on the first floor are not marked as accessible.

RECOMMENDATIONS

Provide signage indicating that the restrooms are accessible at a minimum height of 48" and a maximum height of 60" above the floor.



ID:	Facility:	Campus:
6278	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 104A - Elevator Machine

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.

ID:	Facility:	Campus:
6279	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 104A-104C - Elevator and Restrooms

Schedule: 2023

Estimated Cost $100.00

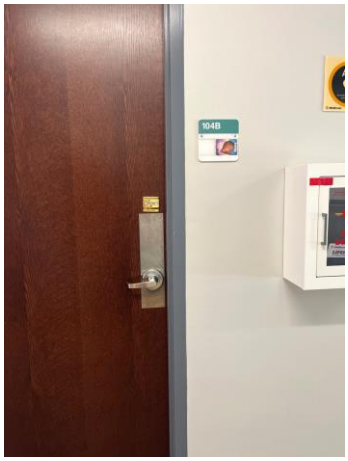
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
6280	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 190 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage to the right of the right hand door at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6281	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 190 - Corridor

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign to the right of the right hand door, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.

ID:	Facility:	Campus:
6282	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 107A - Mechanical

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.

ID:	Facility:	Campus:
6283	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 107A, 108, and 109 - Mechanical, Office, and Lounge

Schedule: 2023

Estimated Cost $300.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6284	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 109 - Lounge

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The paper towel dispenser is 60" above the floor.

RECOMMENDATIONS

Lower the paper towel dispenser to a height between 15" and 48" above the floor.

ID:	Facility:	Campus:
6285	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 109 - Lounge

Schedule: 2024

Estimated Cost $2,000.00

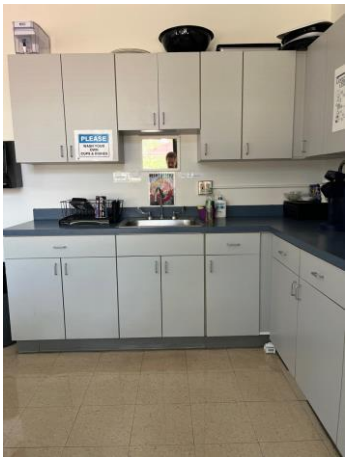
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §306.3.3, §902.3

There is no knee clearance underneath the sink.
The counter and sink height exceeds the maximum height of 34".

RECOMMENDATIONS

Provide knee clearance underneath the counter at the sink that is a minimum of 11" deep at 9" above the floor and 8" deep at 27" above the floor.
A 30" portion of the dining and work surface must be no higher than 34" above the floor. Lower the sink to a height of 34" above the floor.



ID:	Facility:	Campus:
6286	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 108, 109, and 111 - Offices and Lounge

Schedule: 2023

Estimated Cost $100.00

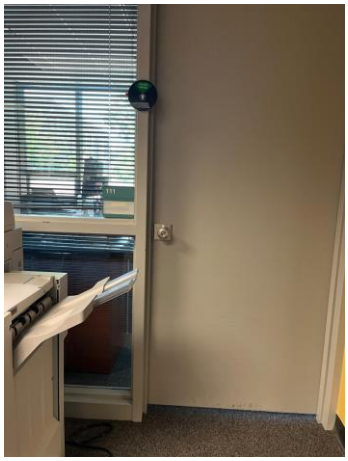
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.



ID:	Facility:	Campus:
6287	MT	Rockville

Priority Score 6

Quick Fix:

Built before ADA: Yes

Location: Room 111 - Office

Schedule: 2024

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the sign at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6288	MT	Rockville

Priority Score 4

Quick Fix:

Built before ADA: Yes

Location: Room 111 - Office

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.1

There is not adequate maneuvering clearance to operate the door.

RECOMMENDATIONS

Relocate the copier.

ID:	Facility:	Campus:
6289	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112 - Library

Schedule: 2023

Estimated Cost $400.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The display cabinets protrude into the circulation space.

RECOMMENDATIONS

Place a cane detectable object beneath the display cabinets to ensure they are cane detetable.

ID:	Facility:	Campus:
6290	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room SE - Stair 5

Schedule: 2024

Estimated Cost $2,500.00

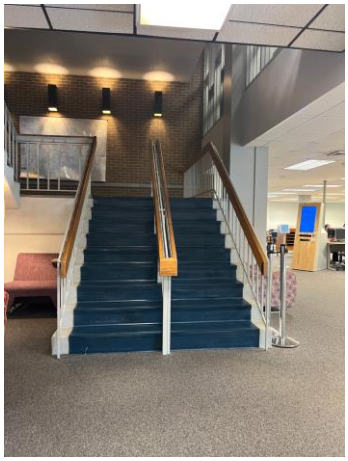
VIOLATIONS

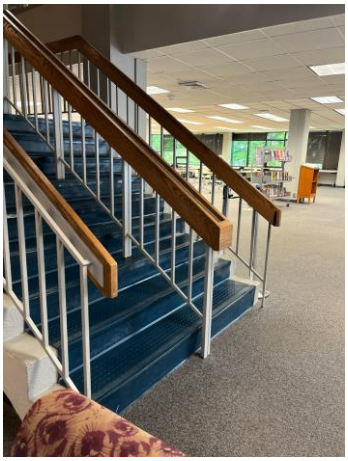
2010 ADA Standards for Accessible Design Codes: §505.7.2

The handrails do not have a compliant non-circular cross section.

RECOMMENDATIONS

Install new handrails with a non-circular cross section diameter of 4" minimum and 6.25" maximum.





ID:	Facility:	Campus:
6291	MT	Rockville

Priority Score 4

Quick Fix: Yes

Built before ADA: Yes

Location: Room 113A - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.8

The closing speed of the door is too fast.

RECOMMENDATIONS

Adjust the closing speed of the door to ensure that closure takes 5 or more seconds.

ID:	Facility:	Campus:
6292	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 113A - Women's Restroom

Schedule: 2023

Estimated Cost $100.00

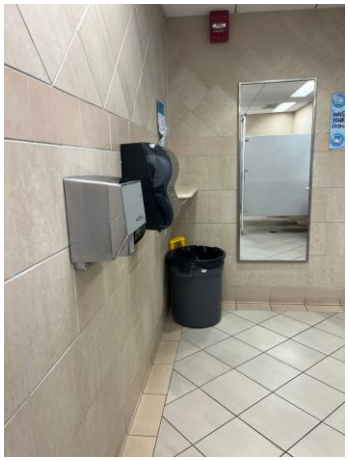
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The paepr towel dispenser protrudes into the circulation space.

RECOMMENDATIONS

Recess the paper towel dispenser so it protrudes a maximum of 4" or place a cane detectable object beneath it.



ID:	Facility:	Campus:
6293	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 113A - Women's Restroom

Schedule: 2024

Estimated Cost $5,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §213.3.1, §604.8.2.1

There is not a wheelchair accessible stall in the restroom.

RECOMMENDATIONS

Combine the two non-accessible stalls into one 60" wide wheelchair accessible toilet stall, complying with §604.8.

ID:	Facility:	Campus:
6294	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 113A - Women's Restroom

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirrors are too high to be accessible.

RECOMMENDATIONS

Lower at least one of the mirror so that the bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
6295	MT	Rockville

Priority Score 4

Quick Fix: Yes

Built before ADA: Yes

Location: Room 113B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

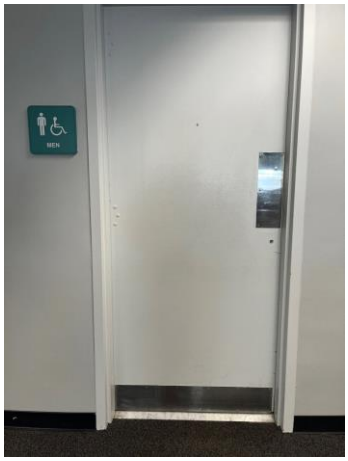
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.8

The closing speed of the door is too fast.

RECOMMENDATIONS

Adjust the closing speed of the door to ensure that closure takes 5 or more seconds.



ID:	Facility:	Campus:
6296	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 113B - Men's Restroom

Schedule: 2024

Estimated Cost $2,500.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2.4.1

There is not adequate maneuvering clearance to operate the door.

RECOMMENDATIONS

Change the direction that the door swings or add an automatic door opener.

ID:	Facility:	Campus:
6298	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 113B - Men's Restroom

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The paper towel dispenser and hand dryer protrude into the circulation space.

RECOMMENDATIONS

Recess the paper towel dispenser and hand dryer so they protrude a maximum of 4" or place a cane detectable object beneath them.

ID:	Facility:	Campus:
6299	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 113B - Men's Restroom

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §604.7

The toilet paper dispenser is not located in an accessible position.

RECOMMENDATIONS

Remount the toilet paper dispenser on the sidewall at 7” minimum and 9” maximum in front of the water closet measured to the centerline of the dispenser.

ID:	Facility:	Campus:
6300	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 113B - Men's Restroom

Schedule: 2024

Estimated Cost $5,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §213.3.1, §604.8.2.1

There is not a wheelchair accessible stall in the restroom.

RECOMMENDATIONS

Combine the two non-accessible stalls into one 60" wide wheelchair accessible toilet stall, complying with §604.8.

ID:	Facility:	Campus:
6301	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 113B - Men's Restroom

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §603.3

The mirrors are too high to be accessible.

RECOMMENDATIONS

Lower at least one of the mirrors so that the bottom edge is a maximum height of 40" above the floor.

ID:	Facility:	Campus:
6302	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 113A and 113B - Women's and Men's Restroom

Schedule: 2023

Estimated Cost $200.00

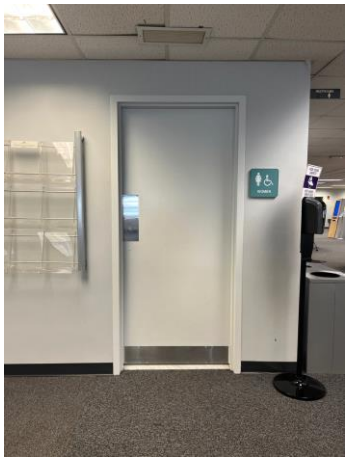
VIOLATIONS

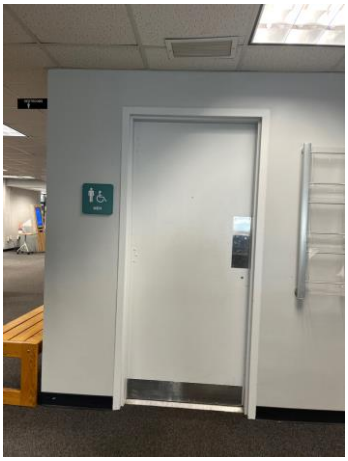
2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.





ID:	Facility:	Campus:
6303	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112B - Mechanical

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.

ID:	Facility:	Campus:
6304	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112B - Mechanical

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located on the inactive leaf.

ID:	Facility:	Campus:
6305	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 110A and 112A - Custodial and Mechanical

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile signs identifying the rooms are not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6306	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Rooms 110A - Custodial

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4.2

The tactile sign identifying the room does not have an 18"x18" clear floor space.

RECOMMENDATIONS

Relocate the garbage can to ensure that there is a minimum of an 18"x18" clear floor space centered on the room signage.

ID:	Facility:	Campus:
6307	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 110A - Custodial

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.

ID:	Facility:	Campus:
6309	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room 110 - Library Service

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.2, §703

There is no tactile sign identifying the permanent room.

RECOMMENDATIONS

Install tactile signage on the latch side of the doorway at a height of 48” minimum to 60” maximum above the floor, complying with §703 to identify each permanent room by name and room number.
Signs shall be Braille with raised lettering and should be placed in the center of an 18"x18" clear floor space.

ID:	Facility:	Campus:
6310	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 111A - Office

Schedule: 2023

Estimated Cost $100.00

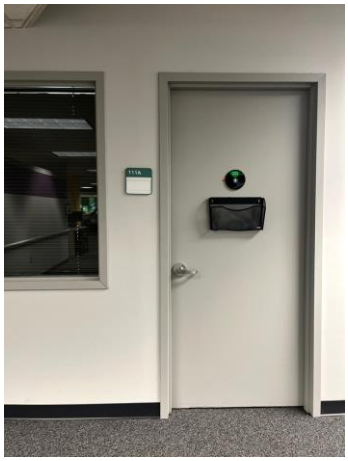
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
6311	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112 - Library

Schedule: 2023

Estimated Cost $100.00

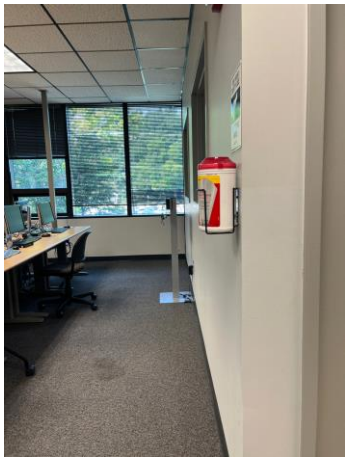
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1, §307.2

The wipes holder protrudes 5" into the circulation space.
The wipes holder is outside of the unobstructed forward reach range.

RECOMMENDATIONS

Recess the wipes holder so it protrudes a maximum of 4" or place a cane detectable object beneath it.
Lower the wipes holder to a height between 15" and 48" above the floor.



ID:	Facility:	Campus:
6312	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 111B - Technology Services

Schedule: 2023

Estimated Cost $100.00

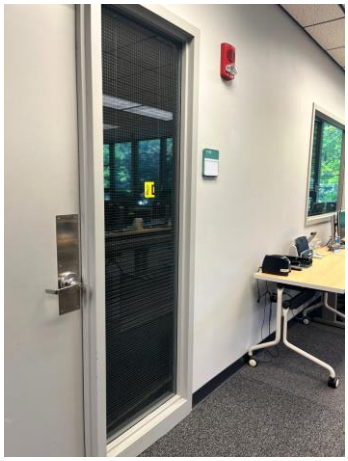
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
6313	MT	Rockville

Priority Score 2

Quick Fix: No

Built before ADA: Yes

Location: Room 112 - Library

Schedule: 2023

Estimated Cost $2,500.00

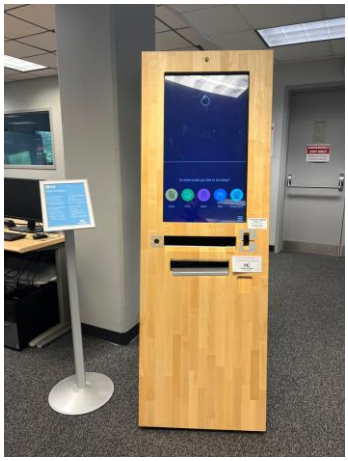
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §707

The interactive touch screen does not have any sound or tactile components.
Therefore, a visually impaired person would not be able to access the information provided by the kiosk.

RECOMMENDATIONS

Audio instructions must be provided that guide the user through all the functions of the machine. Tactile instructions must be provided informing the user on the
method of activating the audio instructions. Controls to operate the kiosk must meet the requirements in §707. Or ensure an accessible printer is available.



ID:	Facility:	Campus:
6314	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112C - Group Study Room

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The TV protrudes into the circulation space.

RECOMMENDATIONS

Recess the TV so it protrudes a maximum of 4", raise it so the bottom edge is 80" maximum above the floor, or place a cane detectable object beneath it.

ID:	Facility:	Campus:
6315	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112C - Group Study Room

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6316	MT	Rockville

Priority Score 5

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112D - Group Study Room

Schedule: 2023

Estimated Cost $100.00

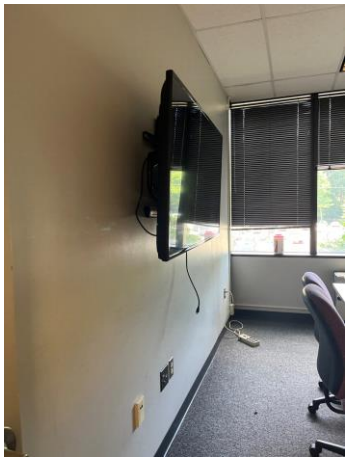
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2

The TV protrudes into the circulation space.

RECOMMENDATIONS

Recess the TV so it protrudes a maximum of 4", raise it so the bottom edge is 80" maximum above the floor, or place a cane detectable object beneath it.



ID:	Facility:	Campus:
6317	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112D - Group Study Room

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2, §308.2.1

The wipes holder protrudes into the circulation space.
The wipes holder is outside of the unobstructed forward reach.

RECOMMENDATIONS

Recess the wipes holder so it protrudes a maximum of 4" or place a cane detectable object beneath it.
Lower the wipes holder to a height between 15" and 48" above the floor.

ID:	Facility:	Campus:
6319	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 112D - Group Study Room

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4.2, §703.4

The tactile sign identifying the room does not have an 18"x18" clear floor space.
The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Relocate the wipes holder to ensure that there is a minimum of an 18"x18" clear floor space centered on the room signage.
Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.

ID:	Facility:	Campus:
6320	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room SC - Stair 3

Schedule: 2023

Estimated Cost $100.00

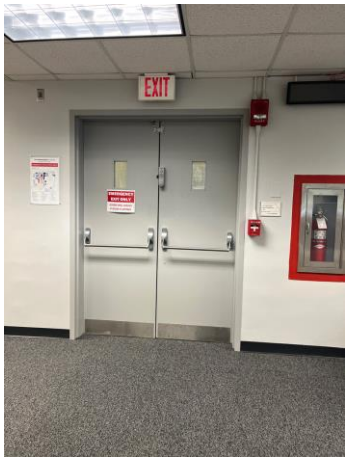
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.



ID:	Facility:	Campus:
6321	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 114A - Office

Schedule: 2023

Estimated Cost $100.00

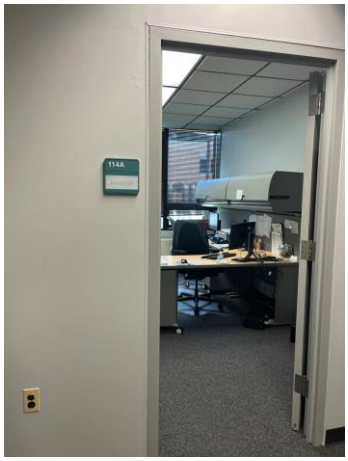
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
6322	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 114 - Office

Schedule: 2023

Estimated Cost $100.00

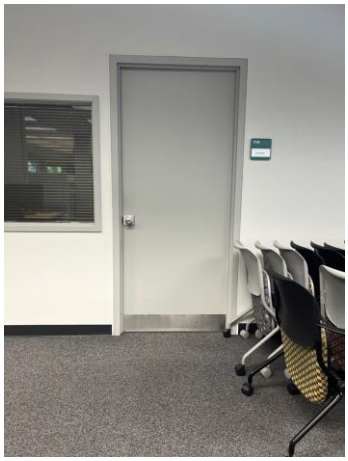
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4

The tactile sign identifying the room is not in the correct location.

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Signs shall be located alongside the latch side of the door.



ID:	Facility:	Campus:
6323	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 114 and 114A - Offices

Schedule: 2023

Estimated Cost $200.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knobs require twisting of the wrist.

RECOMMENDATIONS

Replace the door knobs with lever handles that can be operated with a closed fist and without the twisting the wrist.

ID:	Facility:	Campus:
6324	MT	Rockville

Priority Score 5

Quick Fix: No

Built before ADA: Yes

Location: Room 113 - Library

Schedule: 2024

Estimated Cost $1,000.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §404.2

The doorways on the cubicles are not wide enough for a wheelchair to fit through.

RECOMMENDATIONS

Increase the door width on one of the cubicles to a minimum of 32”. Ensure at least 5% of the cubicles are accessible with a larger door opening and interior space or ensure an alternative work space is provided.

ID:	Facility:	Campus:
6325	MT	Rockville

Priority Score 8

Quick Fix: Yes

Built before ADA: Yes

Location: Room 116 - Library

Schedule: 2023

Estimated Cost $100.00

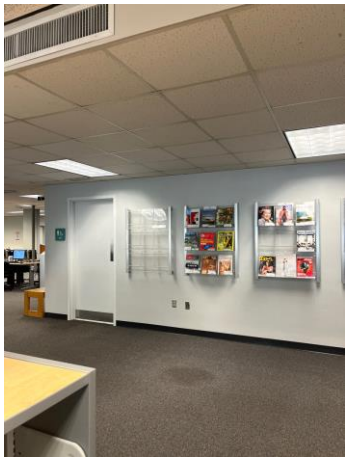
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §308.2.1

The magazines are outside of the unobstructed forward reach range.

RECOMMENDATIONS

Lower the magazines to a height between 15" and 48" above the floor.



ID:	Facility:	Campus:
6326	MT	Rockville

Priority Score 3

Quick Fix: Yes

Built before ADA: Yes

Location: Room SD - Stair 4

Schedule: 2023

Estimated Cost $100.00

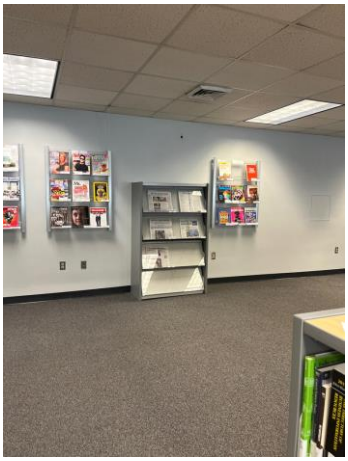
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §216.4, §703

Doors serving as exits are not marked by tactile signage.

RECOMMENDATIONS

Place a tactile exit sign, that complies with §703.1, §703.2 and §703.5, identifying the exit doors.
Install missing signage at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.



ID:	Facility:	Campus:
6327	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 115 - Office

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §309.4

The door knob requires twisting of the wrist.

RECOMMENDATIONS

Replace the door knob with a lever handle that can be operated with a closed fist and without the twisting the wrist.

ID:	Facility:	Campus:
6328	MT	Rockville

Priority Score 6

Quick Fix: Yes

Built before ADA: Yes

Location: Room 115 - Office

Schedule: 2023

Estimated Cost $100.00

VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §703.4, §703.4.2

The tactile sign identifying the room is not in the correct location.
The tactile sign identifying the room does not have an 18"x18" clear floor space

RECOMMENDATIONS

Reinstall the signs at 48" minimum above the floor measured from the baseline of the lowest character and 60" maximum measured from the baseline of the highest character.
Relocate the filing cabinet to ensure that there is a minimum of an 18"x18" clear floor space centered on the room signage. Signs shall be located alongside the latch side of the door.

ID:	Facility:	Campus:
6329	MT	Rockville

Priority Score 4

Quick Fix: Yes

Built before ADA: Yes

Location: Room 102 - Office

Schedule: 2023

Estimated Cost $500.00

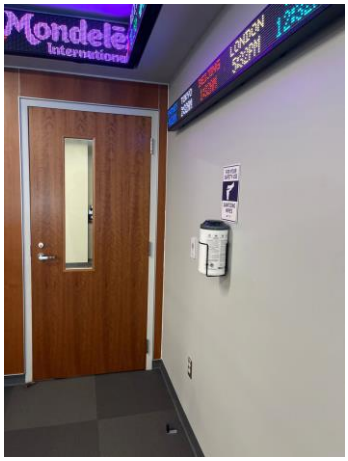
VIOLATIONS

2010 ADA Standards for Accessible Design Codes: §307.2, §404.2.4.1

The wipes holder protrudes into the circulation space.
There is not adequate maneuvering clearance to operate the door.

RECOMMENDATIONS

Recess the wipes holder so it protrudes a maximum of 4" or place a cane detectable object beneath it.
Change the direction that the door swings or expand the area for which the door opens by removing obstructions to create more clear floor space.



Asbestos Report

To be issued as an Addendum.

hord | coplan | macht

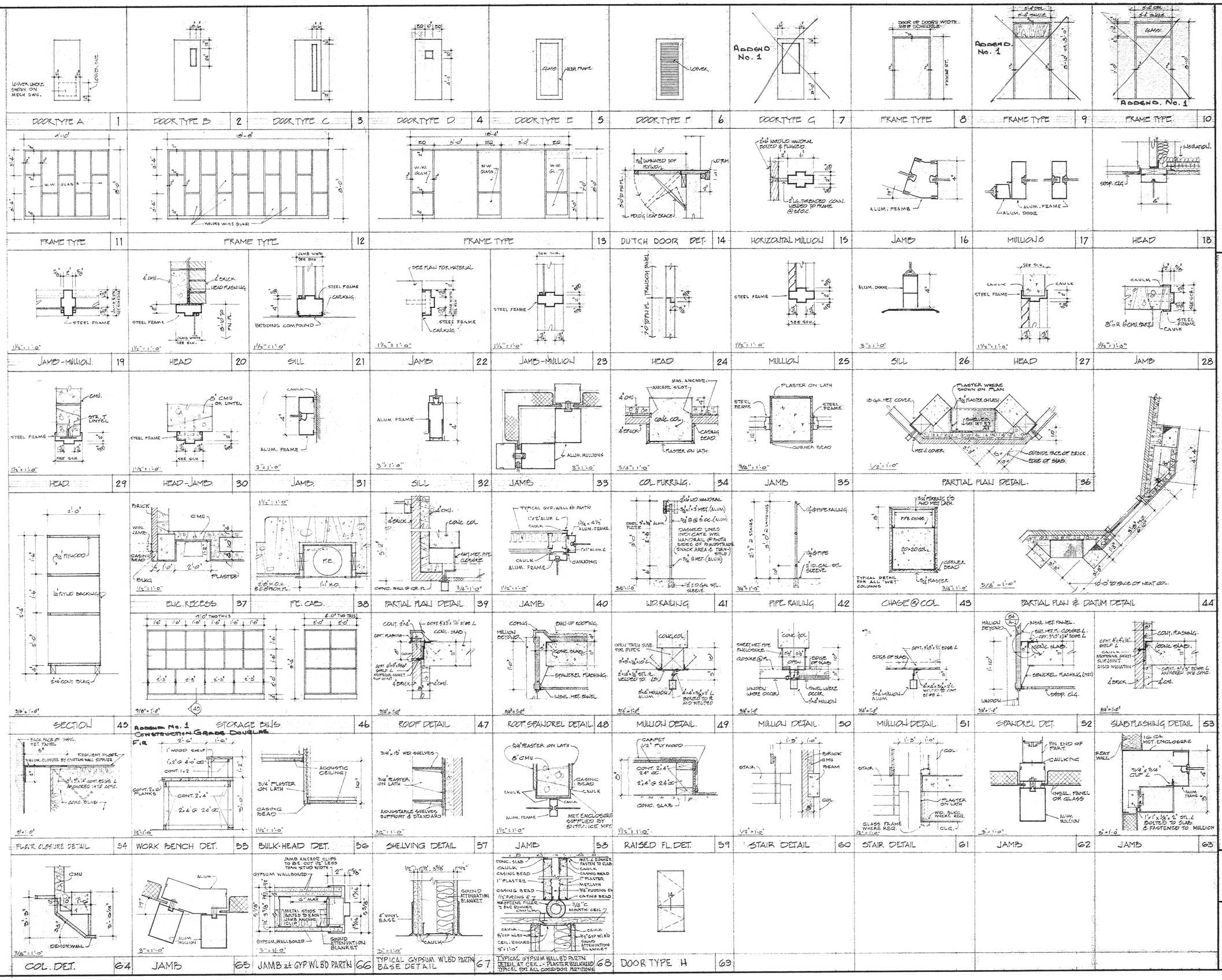
700 East Pratt Street, Suite 1200
Baltimore, MD 21202
www.hcm2.com

APPENDIX D – MACKLIN TOWER LIBRARY ORIGINAL CONSTRUCTION DOCUMENTS

Macklin Tower Library Original Construction Documents

McLeod, Ferrara, *and* Ensign Architects, April 14, 1970

(for Offeror's Information only)



McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS
1705 DeSALES STREET, N. W.
WASHINGTON, D. C.
J. ZALUKAS-MILIN ASSOC.
BERNARDET & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND

DETAILS

R_CT_A-001

COMM. No. 8-68
DRAWN BY. SKANDL
CHECKED BY.
DATE. APRIL 14, 1970

SHEET No.
A-1
OF 20 SHEETS

McLEOD, FERRARA & ENSIGN ARCHITECTS A.I.A.
1705 DeSALES STREET, N.W.
WASHINGTON, D. C.

MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND
FINISH SCHEDULE & OPENING SCHEDULE.

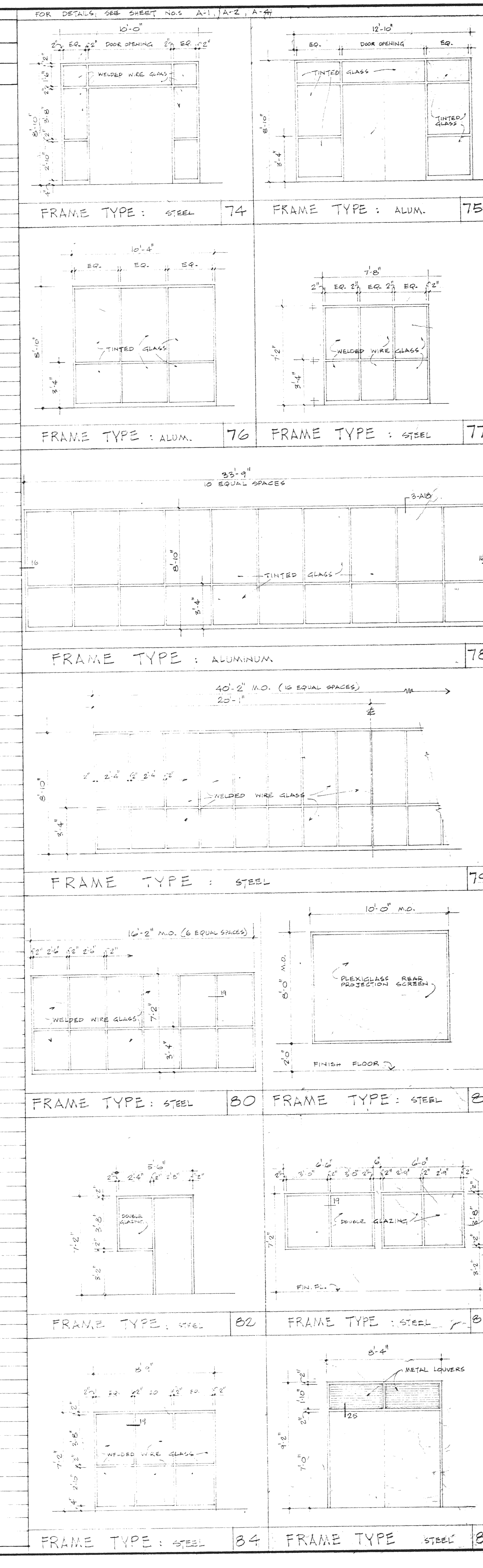
FINISH SCHEDULE — GROUND FLOOR PLAN

ROOM NO.	ROOM NAME	FLOOR: CONCRETE	FLOOR: VINYL ASBESTOS	FLOOR: CARPET	FLOOR: CERAMIC TILE	FLOOR: PEDESTAL	FLOOR: TERRAZZO TILE	BASE: VINYL ASBESTOS	BASE: CERAMIC TILE	BASE: NONE	WAINSCOT	WALLS: C.M.U.	WALLS: CONCRETE	WALLS: PLASTER	WALLS: BRICK	WALLS: CERAMIC TILE	WALLS: DRYWALL	WALLS: SPECIAL COATING	CEILING: EXPOSED	CEILING: ACOUSTIC TYPE "A"	CEILING: PLASTER	CEILING: ACOUSTIC (?)	CLG. HGT.	REMARKS
																								NOTE 1: EXPOSED CONC. COLUMN
G-1	MECH. ROOM	●								●		●	●						●					
G-2	LABORATORY LEARNING			●				●						●			●			●			8'-10	
G-3	TELEPHONE	●								●		●							●					
G-4	WOMEN'S				●				●			●				●		●			●		8'-0"	CERAMIC TILE AT FIXTURES ONLY
G-5	MEN'S				●				●			●				●		●			●		8'-0"	CERAMIC TILE AT FIXTURES ONLY
G-6	STAIR # 1		●					●				●						●	●					
G-7	SNACK AREA		●				●	●						●			●			●			8'-10"	[illegible]
G-8	ELECTRIC	●								●		●							●					
G-9	MECH. ROOM	●								●		●							●					
G-10	REVIEW CENTER & STO.			●				●						●			●			●			8'-10"	
G-11	LABORATORY LEARNING			●				●						●			●			●			8'-10"	
G-12	STAIR # 4		●					●				●						●	●					
G-13	MECH. ROOM	●								●		●							●					
G-14	T.V. & MOVIE PRODUCTION	●								●		●	●									●		
G-15	MEN DRESS. ROOM		●					●									●			●			7'-0"	
G-16	VISUAL CONTROL		●					●				●								●			8'-10"	
G-17	STORAGE	●	●					●		●							●			●			7'-0"	
G-18	WOMEN DRESS. ROOM		●					●									●			●			7'-0"	
G-19	EDIT		●					●				●								●			8'-0"	
G-20	STAIR # 3		●					●				●						●	●					
G-21	CORRIDOR		●					●				●					●	●		●			8'-10"	SPEC. COATING ON CMU ONLY - FLR TO [illegible]
G-22	WOMEN'S				●				●			●				●		●			●		8'-0"	CERAMIC TILE AT FIXTURES ONLY
G-23	MEN'S				●				●			●				●		●			●		8'-0"	CERAMIC TILE AT FIXTURES ONLY
G-24	AQUIS. CATALOG'R OFFICE		●					●									●			●			8'-10"	
G-25	HEAD CATALOG'R OFFICE		●					●									●			●			8'-10"	
G-26	A.V. OFFICE		●					●									●			●			8'-10"	
G-27	CENTRAL WORK AREA			●				●						●			●			●			8'-10"	
G-28	A.V. CATALOG & DIST.		●					●									●			●			8'-10"	
G-29	EQUIP. MAINTENANCE	●	●					●				●	●				●		●	●			8'-10"	
G-30	RECEIVING	●	●					●				●					●			●			8'-10"	
G-31	EQUIPMENT STO.	●	●					●					●				●			●			8'-10"	
G-32	STORAGE	●	●					●									●			●			8'-10"	
G-33	GRAPHICS PREP.		●					●									●			●			8'-10"	
G-34	DARK ROOM		●					●									●			●			8'-10"	
G-35	CORRIDOR		●					●						●			●	●		●			8'-10"	SPEC. COATING ON CMU ONLY FLR TO [illegible]
G-36	CORRIDOR		●					●						●			●	●		●			8'-10"	" " "
G-37	ELECTRIC	●								●		●							●					
G-38	JANITOR	●							●	●		●						●	●					SPEC. COATING AT [illegible] ONLY
G-39	ELECTRONICS CONT.		●			●		●				●								●			8'-10"	VINYL ASBESTOS AT PERIMETER
G-40	CORRIDOR		●					●						●			●	●		●			8'-10"	SPEC. COATING ON CMU ONLY FLR TO [illegible]
G-41	ELEVATOR LOBBY		●				●	●						●				●		●			8'-10"	" " "
G-42	JANITOR	●	●					●									●			●			8'-10"	
G-43	PROJECTION ROOM	●	●					●				●								●			8'-10"	

OPENING SCHEDULE — FOR DETAILS SEE SHEETS A-1, A-2, A-4

OPENING NUMBER	LOCATION: FROM	RM. NO.	TO	RM. NO.	DOOR: SIZE	THICK	MATERIAL	TYPE	FRAME: JAMB WIDTH	HEAD	MATERIAL	TYPE	THRESHOLD	REMARKS
B-1	~~MECH & ELEV. RM.~~	~~B-1~~	~~VESTIBULE~~	~~B-2~~	~~2-2'-6"x7'-0"~~	~~1¾"~~	~~METAL~~ ADDEND. No. 2							
B-2	~~VESTIBULE~~	~~B-2~~	~~STAIR # 3~~	~~B-3~~	~~2-2'-6"x7'-0"~~	~~1¾"~~	~~METAL~~ ADDEND. No. 2							
G-1	LAB. LEARNING	G-2	MECH. ROOM	G-1	2-3'-6"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		SOUND PROOF DOOR
G-2	T.V.& MOVIE PROD.	G-14	VISUAL CONTROL	G-16	3'-0"x7'-0"	1¾"	WOOD	D	8⅛"		STL.	8		SOUND LINE
G-3	LAB. LEARNING	G-2	ELEV. LOBBY	G-41	2-3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	74		
G-4	LAB. LEARNING	G-2	MECH. ROOM	G-9	3'-6"x7'-0"	1¾"	MET.	A	8⅛"		STL.	8		'B' LABEL
G-5	ELEV. LOBBY	G-41	WOMEN'S	G-4	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		
G-6	ELEV. LOBBY	G-41	MEN'S	G-5	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		
G-7	ELECTRIC	G-8	ELEV. LOBBY	G-41	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		
G-8	STAIR # 1	G-6	SNACK AREA	G-7	3'-0"x7'-0"	1¾"	WOOD	D	8⅛"		STL.	8		'B' LABEL
G-9	LAB. LEARNING	G-2	SNACK AREA	G-7	2-2'-6"x7'-0"	1¾"	WOOD	B	5⅝"		STL.	8		
G-10	SNACK AREA	G-7	EXTERIOR		2-3'-0"x7'-0"	1¾"	ALUM.	E	4½"		ALUM.	75		
G-11	CORRIDOR	G-40	SNACK AREA	G-7	2-2'-6"x7'-0"	1¾"	WOOD	B	4⅝"		STL.	8		
G-12	REVIEW CTR. & STO.	G-10	EXTERIOR		—		—		4½"		ALUM.	76		
G-13	REVIEW CTR. & STO.	G-10	EXTERIOR		—				4½"		ALUM.	78		
G-14	REVIEW CTR. & STO.	G-10	EXTERIOR		—				4½"		ALUM.			OPP. HAND TYPE 76
G-15	REVIEW CTR. & STO.	G-10	CORRIDOR	G-40	2-2'-6"x7'-0"	1¾"	WOOD	B	5⅝"		STL.	8		
G-16	LAB. LEARNING	G-11	CORRIDOR	G-40	2-2'-6"x7'-0"	1¾"	WOOD	B	5⅝"		STL.	8		
G-17	LAB. LEARNING	G-11	STAIR # 4	G-12	2-2'-6"x7'-0"	1¾"	WOOD	D	8⅛"		STL.	8		'B' LABEL
G-18	LAB. LEARNING	G-11	MECH. ROOM	G-13	2-2'-6"x7'-0"	1¾"	WOOD	A	8⅛"		STL.	8		SOUND PROOF DOOR
G-19	LAB. LEARNING	G-11	CORRIDOR	G-21	2-2'-6"x7'-0"	1¾"	WOOD	B	5⅝"		STL.	8		
G-20	CORRIDOR	G-21	WOMEN'S	G-22	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		
G-21	CORRIDOR	G-21	MEN'S	G-23	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		
G-22	LAB. LEARNING	G-11	PROJ. ROOM	G-43	3'-0"x7'-0"	1¾"	WOOD	A	8⅛"		STL.	8		SOUND PROOF DOOR
G-23	T.V.& MOVIE PROD.	G-14	CORRIDOR	G-21	2-3'-6"x8'-0"	1¾"	WOOD	A	6⅛"		STL.	8		SOUND PROOF DOOR
G-24	T.V.& MOVIE PROD.	G-14	CORRIDOR	G-21	2-3'-6"x8'-0"	1¾"	WOOD	D	6⅛"		STL.	8		SOUND PROOF DOOR
G-25	CORRIDOR	G-21	VISUAL CONTROL	G-16	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		SOUND PROOF DOOR
G-26	CORRIDOR	G-21	EDIT. ROOM	G-19	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		SOUND PROOF DOOR
G-27	CORRIDOR	G-21	CENTRAL WORK AREA	G-27	3'-0"x7'-0"	1¾"	WOOD	B	5⅝"		STL.	8		SOUND PROOF DOOR
G-28	CENTRAL WORK AREA	G-27	CORRIDOR	G-35	2-2'-8"x7'-0"	1¾"	WOOD	B	5⅝"		STL.	8		SOUND PROOF DOOR
G-29														
G-30	CORRIDOR	G-21	STAIR # 3	G-20	2-2'-6"x7'-0"	1¾"	WOOD	D	8⅛"		STL.	8		'B' LABEL
G-31	CORRIDOR	G-40	LAB. LEARNING	G-2	—	—	—	—	5⅝"		STL.	7X		
G-32	CENTRAL WORK	G-27	AQUIST. CAT. OFFICE	G-24	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-33	CENTRAL WORK	G-27	HEAD CAT. OFFICE	G-25	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-34	CORRIDOR	G-35	A.V. OFFICE	G-26	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-35	CORRIDOR	G-35	A.V. CAT. & DIST.	G-28	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-36	CORRIDOR	G-35	ELEC. CONTROL	G-39	2-2'-6"x7'-0"	1¾"	WOOD	B	8⅛"		STL.	8		
G-37	CORRIDOR	G-35	ELECTRIC	G-37	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		
G-38	CORRIDOR	G-36	JANITOR	G-38	3'-0"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	8		
G-39	CORRIDOR	G-36	JANITOR	G-42	2-2'-6"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-40	CORRIDOR	G-35	A.V. CATALOG	G-28	4'-0"x7'-0"	1¾"	WOOD	H	5⅝"		STL.	8		
G-41	LAB. LEARNING	G-2	TELEPH. CLOSET	G-3	2-2'-3"x7'-0"	1¾"	WOOD	F	6⅛"		STL.	8		
G-42	CORRIDOR	G-35	GRAPHICS PREP.	G-33	3'-0"x7'-0"	1¾"	WOOD	B	5⅝"		STL.	8		
G-43	CORRIDOR	G-35	STORAGE	G-32	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-44	CORRIDOR	G-35	EQUIP. MAINT.	G-29	2-2'-6"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-45	CORRIDOR	G-35	RECEIVING	G-30	2-3'-0"x7'-0"	1¾"	WOOD	D	5⅝"		STL.	8		"B" LABEL
G-46	RECEIVING	G-30	LOADING	—	2-3'-0"x7'-0"	1¾"	METAL	A	6⅛"		STL.	8		
G-47	EQUIP. STO.	G-31	CORRIDOR	G-35	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
G-48	LAB. LEARNING	G-2	CORRIDOR	G-40	2-2'-6"x7'-0"	1¾"	WOOD	D	5⅝"		STL.	8		
G-49	CORRIDOR	G-40	ELEC. CONTROL	G-39	2-2'-6"x7'-0"	1¾"	WOOD	B	8⅛"		STL.	8		
G-50														
G-51														
G-52	CORRIDOR	G-40	REVIEW CENTER & ST.	G-10	—	—	—	—	5⅝"		STL.	77		
G-53	CORRIDOR	G-40	" "	"	—	—	—	—	5⅝"		STL.	79		
G-54	CORRIDOR	G-40	LAB. LEARNING	G-11	—	—	—	—	5⅝"		STL.	80		
G-55	CORRIDOR	G-40	" "	G-11	—	—	—	—	5⅝"		STL.	77		
G-56	LAB. LEARNING	G-11	CONTROL ROOM	G-46	3'-0"x7'-0"	1¾"	WOOD	A	8⅛"		STL.	8		SOUND PROOF DOOR
G-57														
G-58	PROJ. ROOM	G-43	TV & MOVIE PROJ.	G-14	—	—	—	—	8⅛"		STL.	81		REAR SCREEN
G-59	CONT. ROOM	G-46	AUDIO ROOM	G-45	2'-8"x7'-0"	1¾"	WOOD	A	6⅛"		STL.	82		SOUND PROOF DOOR
G-60	" "	G-46	AUDIO ROOM	G-44	—	—	—	—	6⅛"		STL.	83		
G-61														
G-62	LAB. LEARNING	G-11	AUDIO ROOM	G-44	3'-0"x7'-0"	1¾"	WOOD	A	8⅛"		STL.	8		SOUND PROOF DOOR
G-63	TV & MOVIE PROD.	G-14	WOMEN DRESS. RM.	G-18	2'-8"x6'-8"	1¾"	WOOD*	A			WOOD			SEE DETAIL SHEET A-13
G-64	" "	G-14	MEN DRESS. RM.	G-15	2'-8"x6'-8"	1¾"	WOOD*	A			WOOD			SEE DETAIL SHEET A-13

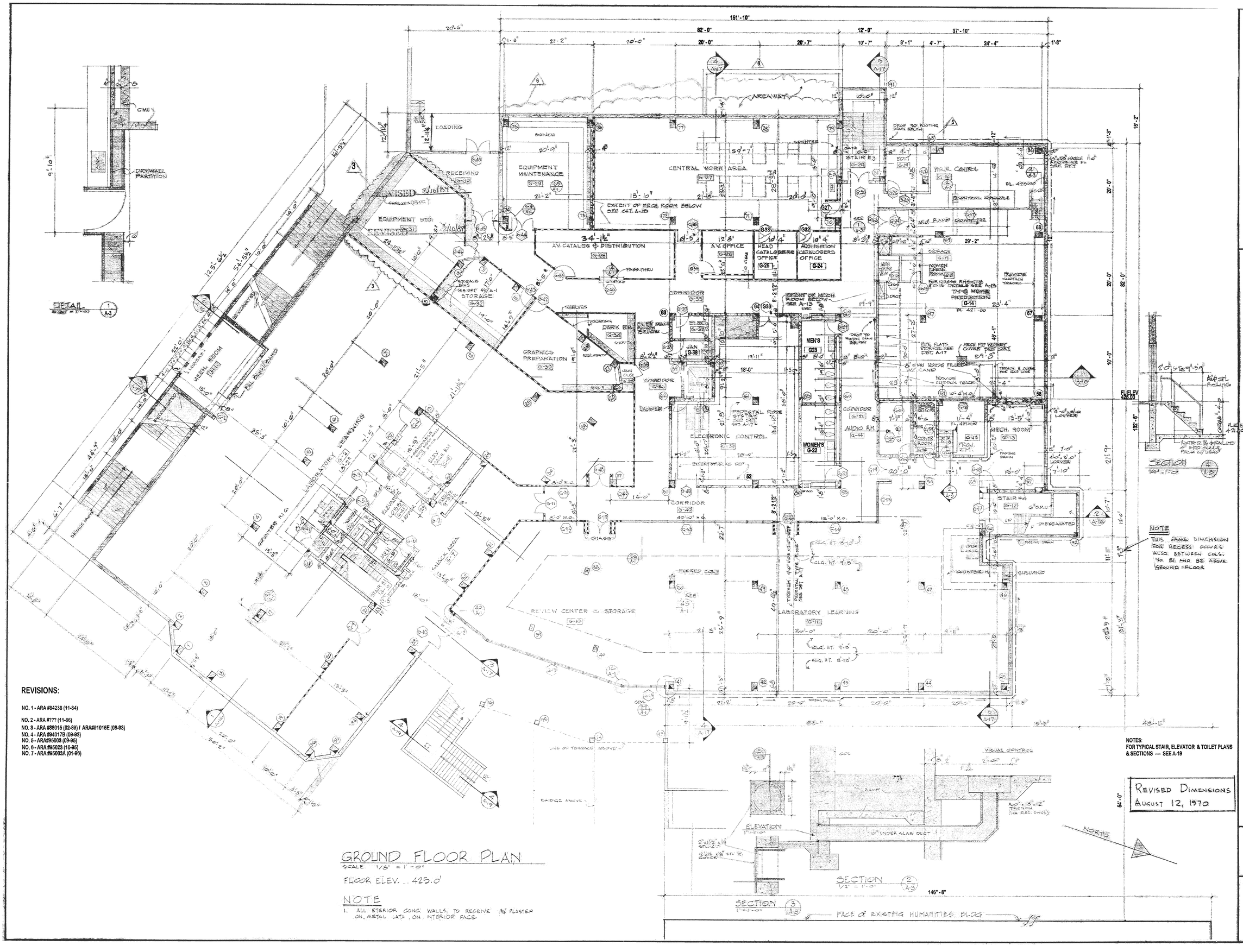
FOR DETAILS, SEE SHEET No.S A-1, A-2, A-4



COMM. No. 8-68
DRAWN BY.
CHECKED BY.
DATE. APRIL 14, 1970

SHEET No.
A-2
OF 20 SHEETS

R_CT_A-002



REVISIONS:

NO. 1 - ARA #84238 (11-84)

NO. 2 - ARA #??? (11-86)
NO. 3 - ARA #88015 (02-89) / ARA#91015E (08-93)
NO. 4 - ARA #94017B (09-93)
NO. 5 - ARA#95003 (08-95)
NO. 6 - ARA #95023 (10-95)
NO. 7 - ARA #95003A (01-96)

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1705 DESALES STREET, N.W.
WASHINGTON, D.C.

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
GROUND FLOOR PLAN.

R_CT_A-003R

COMM. No.
DRAWN BY
CHECKED BY
DATE APRIL 14, 1970

SHEET No. A-3R
OF 20 SHEETS

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1705 DeSALES STREET, N.W.
WASHINGTON, D.C.

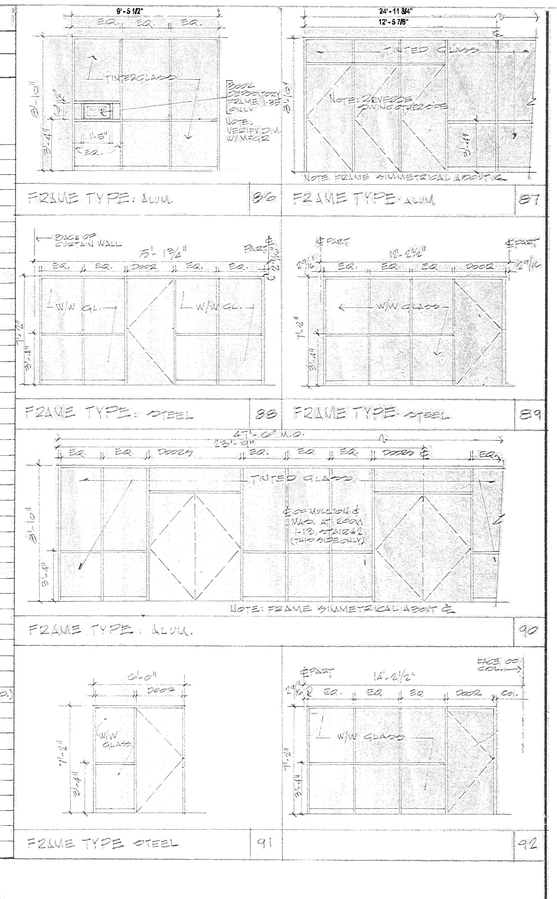
MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
FINISH SCHEDULE & OPENING SCHEDULE

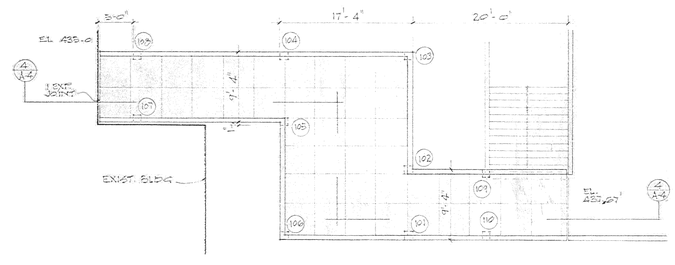
FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR: CONCRETE	FLOOR: VINYL ASBESTOS	FLOOR: VINYL	FLOOR: CERAMIC TILE	FLOOR: TERRAZZO TILE	BASE: VINYL ASBESTOS	BASE: VINYL	BASE: CERAMIC	BASE: WOOD	WAINSCOT	WALLS: CR. BLK.	WALLS: CONCRETE	WALLS: PLASTER	WALLS: BRICK	WALLS: CERAMIC TILE	WALLS: PARTICLE BOARD	WALLS: SPRAYED COATING	CEILING: EXPOSED	CEILING: ACOUSTIC TYPE IV	CEILING: ACOUSTIC TILE	CEILING: PLASTER	CEILING: SPRAYED COATING	CLG. HGT.	REMARKS
1-1	DIRECTOR'S OFFICE		●					●				●		●			●			●				8'-10"	
1-2	CONFERENCE RM		●					●									●			●				8'-10"	
1-3	MUSEUM			●				●									●			●				8'-10"	
1-4	STORAGE	●						●		●							●			●				8'-10"	
1-5	STORAGE	●						●		●							●			●				8'-10"	
1-6	ALUMNI			●				●				●		●						●				8'-10"	
1-7	STAIR # 1		●					●				●						●	●						SELECT TREAD MATERIAL
1-8	LOBBY					●		●				●		●			●	●						8'-10"	SPEC COATING RTD CLG ON CMU ONLY
1-9	MEN'S				●				●							●		●				●	●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
1-10	WOMEN'S				●				●							●		●				●	●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
1-11	TELEPHONE	●								●		●							●						
1-12	ELECTRIC	●								●		●							●						
1-13	STAIR # 2		●			●		●				●						●	●						SELECT TREAD MATERIAL
1-14	CLOSET	●								●		●							●						
1-15	CIRC. LIB. OFFICE		●					●				●	●		●					●				8'-10"	
1-16	HEAD LIB. & CONF. RM.		●					●				●	●		●					●				8'-10"	
1-17	PERIODICAL LIB. OFFICE		●					●							●					●				8'-10"	
1-18	REFERENCE			●				●				●	●							●				8'-10"	
1-19	REF. LIB. OFFICE		●					●				●	●		●					●				8'-10"	
1-20	STAIR # 3		●					●				●						●	●						SELECT TREAD MATERIAL
1-21	READING			●				●				●	●							●				8'-10"	
1-22	STAIR # 4		●					●				●						●	●						SELECT TREAD MATERIAL
1-23	READING			●				●				●	●							●				8'-10"	
1-24	WOMEN'S				●				●						●		●					●	●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
1-25	MEN'S				●				●						●		●					●	●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
1-26	MECH. ROOM	●							●			●							●						
1-27	ELECTRIC	●							●			●							●						
1-28	JANITOR	●			●				●	●		●					●		●						
1-29	STAIR #5			●				●							●				●						
1-30	LOBBY					●		●							●				●					8'-10"	
1-31	PERIODICALS			●				●				●				●			●					8'-10"	

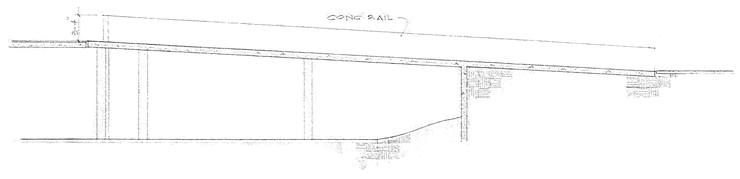
OPENING SCHEDULE (For Details See Sheets A-1, A-2, A-4, A-6)

FIRE RATING	LOCATION: FROM	RM. No.	TO	RM. No.	DOOR: SIZE	THICK	MATERIAL (*FIRE RATED GLASS)	TYPE	FRAME: CONDITION (NEW)	MATERIAL	TYPE	THRESHOLD	REMARKS
									*				TINTED FRAME
1-1	LOBBY	1-8	TERRACE	—	6'-0"x7'-0"	1¾"	ALUM.	E	A2	ALUM.	90		
1-2	LOBBY	1-8	DIRECTOR'S RM.	1-1	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	8		
1-3	LOBBY	1-8	CONF. ROOM	1-2	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	8		
1-4	LOBBY	1-8	ALUMNI	1-6	3'-0"x7'-0"	1¾"	WOOD	D	B5/8	STL.	8		
1-5	ALUMNI	1-6	STORAGE	1-3	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	8		
1-6	MUSEUM	1-3	STORAGE	1-4	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	8		
1-7	LOBBY	1-8	MUSEUM	1-3	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	8B		
1-8	LOBBY	1-8	ALUMNI	1-6	3'-0"x7'-0"	1¾"	WOOD	B	B5/8	STL.	8		
1-9	LOBBY	1-8	STAIR # 1	1-7	3'-0"x7'-0"	1¾"	WOOD	C	B3/4	STL.	8		B LABEL
1-10	TELEPHONE	1-11	LOBBY	1-8	2'-6"x7'-0"	1¾"	WOOD	E	B7/8	STL.	8		
1-11	LOBBY	1-8	WOMEN'S	1-10	3'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-12	LOBBY	1-9	MEN'S	1-9	3'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-13	ELECTRIC	1-12	LOBBY	1-8	2'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-14	LOBBY	1-30	ENT. TERRACE	—				G&E	TAIL	WALL	FRAME		
1-15	LOBBY	1-30	ENT. TERRACE	—	6'-2"x7'-0"	1¾"	ALUM.	E&E	TAIL	WALL	FRAME		
1-16	LOBBY	1-30	ENT. TERRACE	—	——	—	——	E&E	TAIL	WALL	FRAME		
1-17	LOBBY	1-30	READING	1-23	6'-2"x7'-0"	1¾"	ALUM.	E	A1/2	ALUM.	87		
1-18													
1-19	CLOSET	1-14	PERIODICALS	1-31	3'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-20	PERIODICALS	1-31	CIR. LIB. OFFICE	1-15	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	8B		
1-21	PERIODICALS	1-31	HEAD LIB. OFFICE	1-16	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	91		
1-22	PERIODICALS	1-31	PER. LIB. OFFICE	1-17	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	92		
1-23	REFERENCE	1-18	JANITOR	1-28	3'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-24	STAIR # 3	1-20	EXTERIOR		2'-6"x7'-0"	1¾"	METAL	C	C7/8	* STL.	8		
1-25	STAIR 2	1-22	EXTERIOR		2'-6"x7'-0"	1¾"	METAL	C	C7/8	* STL.	8		
1-26	OFFICE	1-19	REFERENCE	1-18	——	—	——	—	B7/8	* STL.	8A		
1-27	READING	1-21	WOMEN'S	1-24	3'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-28	READING	1-23	STAIR # 4	1-22	3'-0"x7'-0"	1¾"	WOOD	D	B7/8	STL.	8		B LABEL
1-29	READING	1-21	MEN'S	1-25	3'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-30	REFERENCE	1-18	MECH. ROOM	1-26	2'-6"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-31	REFERENCE	1-18	ELECTRIC	1-27	3'-0"x7'-0"	1¾"	WOOD	A	C7/8	STL.	8		
1-32	READING	1-23	PERIODICAL LIB. OFFICE	1-17	3'-0"x7'-0"	1¾"	WOOD	A	B5/8	STL.	8		
1-33	READING	1-21	STAIR # 3	1-20	2'-6"x7'-0"	1¾	WOOD	D	B5/8	STL.	8		
1-34	CONFERENCE RM.	1-2	DIRECTOR'S RM.	1-1	3'-0"x7'-0"	1¾	WOOD	A	B5/8	STL.	8		
1-35	LOBBY	1-30	READING	1-29	——	—	——	—	A1/2	ALUM.	86		
1-36	LO 384	1-30	READING	1-29	——	—	——	—	A1/2	ALUM.	*		OPPOSITE HAND BG (WITHOUT SIDE LIGHT)

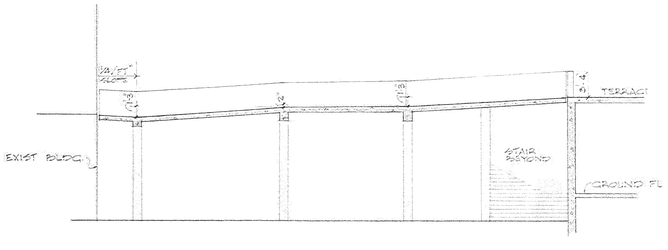




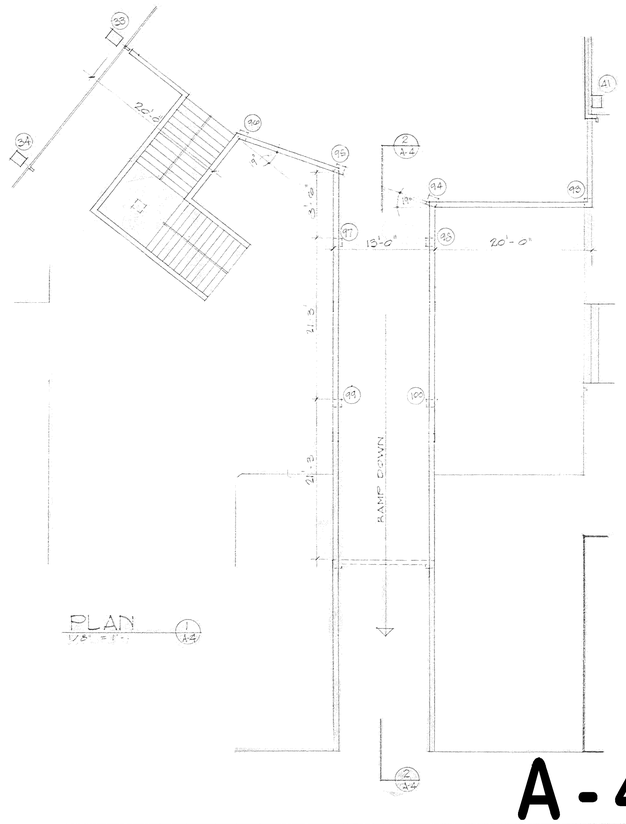
PLAN 1/8" = 1'-0" (5/A-4)



SECTION 1/8" = 1'-0" (2/A-4)



SECTION 1/8" = 1'-0" (4/A-4)



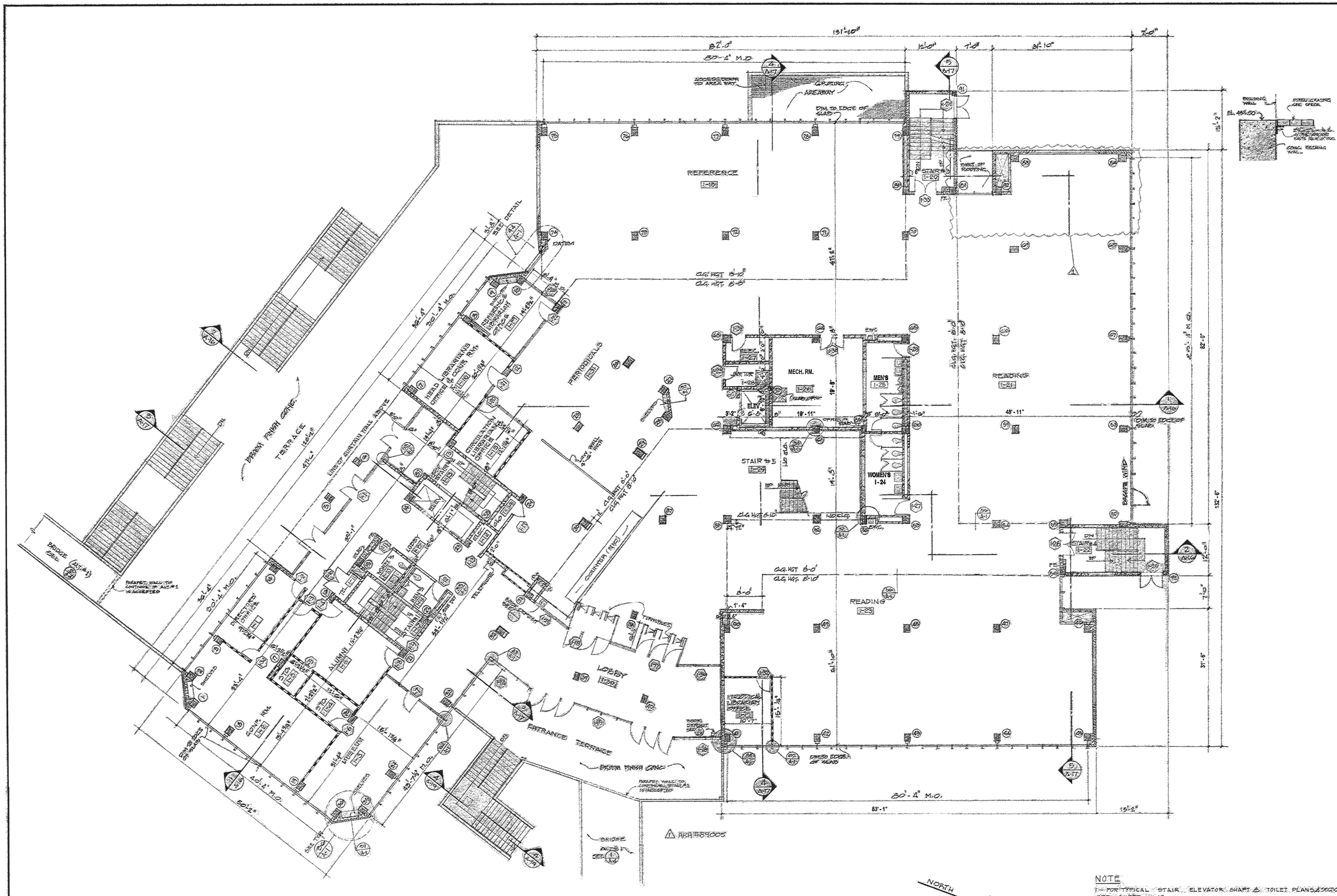
PLAN 1/8" = 1'-0" (1/A-4)

R_CT_A-004

A-4

COMM. No. 0-98
DRAWN BY:
CHECKED BY:
DATE

SHEET No. A-4 OF 20 SHEETS



NOTE
1- FOR TYPICAL STAIR, ELEVATOR SHAFT & TOILET PLANS & SECTION SEE SHEET A-19
2- FOR TYPICAL SHELVING DETAIL SEE B7/A-1
3- FOR TYP. FURRED COLUMN SEE 43/A-1

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
FLOOR ELEV. 437.67'

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS
1705 DASALES STREET, N. W.
WASHINGTON, D. C.
LAUNDERBURN ASSOC.
DEHBASSET & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
FIRST FLOOR PLAN

R_CT_A-005

COMM. No.
DRAWN BY.
CHECKED BY.
DATE. APRIL 1979

SHEET No.
A-5
OF 707 SHEETS

⚠1 FINISH SCHEDULE

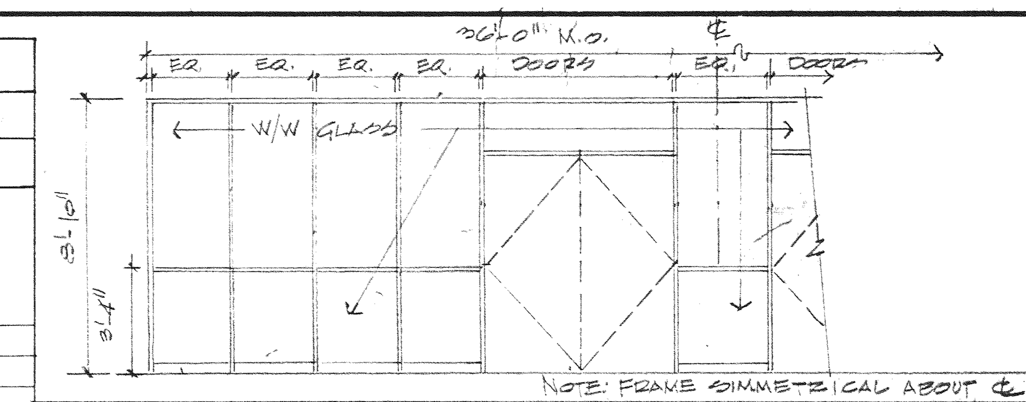
ROOM NO.	ROOM NAME	FLOOR: CONCRETE	FLOOR: VINYL ASBESTOS	FLOOR: CARPET	FLOOR: CERAMIC TILE	BASE: VINYL ASBESTOS	BASE: CERAMIC TILE	BASE: NONE	WAINSCOT	WALLS: C.M.U.	WALLS: CONCRETE	WALLS: PLASTER	WALLS: BRICK	WALLS: CERAMIC TILE	WALLS: DRYWALL	WALLS: SPECIAL COATING	CEILING: EXPOSED	CEILING: ACOUSTIC TYPE "A"	CEILING: PLASTER	CLG. HGT.	REMARKS
2-1	LECTURE		●			●									●			●		8'-10"	
2-2	OFFICE		●			●									●			●		8'-10"	
2-3	OFFICE		●			●									●			●		8'-10"	
2-4	OFFICE		●			●									●			●		8'-10"	
2-5	OFFICE		●			●									●			●		8'-10"	
2-6	CONFERENCE RM.		●			●									●			●		8'-10"	
2-7																					
2-8	OFFICE		●			●									●			●		8'-10"	
2-9	OFFICE		●			●									●			●		8'-10"	
2-10	OFFICE		●			●									●			●		8'-10"	
2-11	OFFICE		●			●									●			●		8'-10"	
2-12	INNOVATIONS CENTER		●			●						●			●			●		8'-10"	
2-13	MECH. ROOM	●						●		●							●				
2-14	STAIR # 2		●			●				●						●	●				
2-15	TELEPHONE	●						●		●							●				
2-16	ELECTRIC	●						●		●							●				
2-17	MEN'S				●		●			●				●		●			●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
2-18	LOBBY		●			●				●		●				●		●		8'-10"	
2-19	WOMEN'S				●		●			●				●		●			●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
2-20	CORRIDOR		●			●						●			●			●		8'-10"	
2-21	TELEPHONE	●						●		●							●				
2-22	WAITING & TYPING		●			●						●			●			●		8'-10"	
2-23	STAIR # 1		●			●				●						●	●				
2-24	CORRIDOR		●			●						●			●			●		8'-10"	
2-25	OFFICE		●			●									●			●		8'-10"	
2-26	OFFICE		●			●									●			●		8'-10"	
2-27	OFFICE		●			●									●			●		8'-10"	
2-28	OFFICE		●			●									●			●		8'-10"	
2-29	OFFICE		●			●									●			●		8'-10"	
2-30																					
2-31	STAFF OFFICE		●			●									●			●		8'-10"	SPEC. COATING AROUND KITCHEN UNIT
2-32	COAT AREA		●			●									●			●		8'-10"	
2-33	OFFICE		●			●									●			●		8'-10"	
2-34	TYPING		●			●									●			●		8'-10"	
2-35	PROF.LIB.& FAC. READING			●		●									●			●		8'-10"	
2-36	OFFICE		●			●									●			●		8'-10"	
2-37	RESERVE BOOK			●		●									●			●		8'-10"	
2-38	RES. BOOK READING			●		●						●			●			●		8'-10"	
2-39	STAIR # 4		●			●				●						●	●				
2-40	READING			●		●						●			●			●		8'-10"	
2-41	STAIR # 3		●			●				●						●	●				
2-42	READING			●		●						●			●			●		8'-10"	
2-43	TYPING		●			●									●			●		8'-10"	
2-44	TYPING		●			●									●			●		8'-10"	
2-45																					
2-46	TYPING		●			●									●			●		8'-10"	
2-47	TYPING		●			●									●			●		8'-10"	
2-48	STORAGE	●	●			●									●			●		8'-10"	
2-49	CORRIDOR			●		●						●			●			●		8'-10"	
2-50	STAIR # 5			●		●						●	●					●		8'-10"	
2-51	JANITOR	●					●			●				●		●	●				
2-52	ELECTRIC	●						●		●							●				
2-53	MECH. ROOM	●						●		●							●				
2-54	MEN'S				●		●			●				●		●			●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
2-55	WOMEN'S				●		●			●				●		●			●	8'-0"	CERAMIC TILE AT FIXTURES ONLY

⚠1 OPENING SCHEDULE

FOR DETAILS SEE SHT A-1, A-2, A-4, A-6

OPENING NUMBER	LOCATION: FROM	RM NO.	TO	RM NO.	DOOR: SIZE	THICK	MATERIAL	TYPE	FRAME: WIDTH	MATERIAL	TYPE	THRESH.	REMARKS
2-1	LECTURE RM.	2-1	CORRIDOR	2-24	2'-8"x7'-0"	1¾"	WOOD	B	5⅝ *	STL.	8		
2-2	OFFICE	2-2	WAITING & TYPING	2-22	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-3	OFFICE	2-3	WAITING & TYPING	2-22	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-4	LECTURE RM.	2-1	CORRIDOR	2-20	2'-8"x7'-0"	1¾"	WOOD	B	5⅝ *	STL.	8		
2-5	CORRIDOR	2-20	OFFICE	2-4	2'-5⅞"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-6	CORRIDOR	2-20	OFFICE	2-5	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-7	CORRIDOR	2-20	CONFERENCE	2-6	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-8	TELEPHONE	2-21	CORRIDOR	2-20	2-2'-8"x7'-0"	1¾"	WOOD	F	8⅞	STL.	8		
2-9	CORRIDOR	2-20	CONFERENCE RM.	2-7	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-10	CORRIDOR	2-20	OFFICE	2-8	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-11	CORRIDOR	2-20	OFFICE	2-9	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-12	CORRIDOR	2-20	OFFICE	2-10	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-13	CORRIDOR	2-20	STAIR # 2	2-14	3'-0"x7'-0"	1¾"	WOOD	D	8⅞	STL.	8		'B' LABEL
2-14													
2-15	CORRIDOR	2-20	OFFICE	2-11	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-16	CORRIDOR	2-20	INNOVATIONS CTR.	2-16	3'-0"x7'-0"	1¾"	WOOD	B	5⅝	STL.	8		
2-17	STORAGE	2-48	INNOVATIONS CTR.	2-16	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-18	CORRIDOR	2-24	INNOVATIONS CTR.	2-16	3'-0"x7'-0"	1¾"	WOOD	B	5⅝	STL.	8		
2-19	CORRIDOR	2-24	MECH. RM.	2-13	2-2'-6"x7'-0"	1¾"	WOOD	A	8⅞	STL.	8		
2-20	CLOSET	2-15	CORRIDOR	2-24	2-2'-6"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-21	ELECTRIC	2-16	CORRIDOR	2-24	2'-0"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-22	LOBBY	2-18	WOMEN'S	2-19	3'-0"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-23	LOBBY	2-18	MEN'S	2-17	3'-0"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-24	CORRIDOR	2-24	STAIR # 1	2-23	3'-0"x7'-0"	1¾"	WOOD	D	8⅞	STL.	8		'B' LABEL
2-25	CORRIDOR	2-24	OFFICE	2-25	2'-5⅞"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-26	CORRIDOR	2-24	OFFICE	2-26	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-27	CORRIDOR	2-24	OFFICE	2-27	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-28	CORRIDOR	2-24	OFFICE	2-28	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-29	CORRIDOR	2-24	OFFICE	2-29	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-30	LECTURE RM.	2-1											RETRACTABLE PARTITION
2-31	CORRIDOR	2-24	STAFF OFFICE	2-31	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-32	CORRIDOR	2-30	INNOVATION CTR.	2-12	3'-0"x7'-0"	1¾"	WOOD	B	5⅝	STL.	8		
2-33	WAITING & TYPING	2-34	OFFICE	2-33	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-34	CORRIDOR	2-49	WAITING & TYPING	2-34	2-2'-6"x7'-0"	1¾"	WOOD	B	5⅝	STL.	8		
2-35	WAITING & TYPING	2-34	OFFICE	2-36	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		
2-36													
2-37													
2-38													
2-39													
2-40	PROF.LIB.& FAC.R'DNG.	2-35	RESERVE BOOK	2-37	2-2'-6"x7'-0"	1¾"	WOOD	B	5⅝	STL.	8		
2-41	RESERVE BOOK	2-37	RES. BOOK R'DNG.	2-38	2-2'-6"x7'-0"	1¾"	WOOD	B	5⅝	STL.	8		
2-42	INNOVATION CENTER	2-12			—	—	—						RETRACTABLE PARTITION
2-43													
2-44	INNOVATION CENTER	2-12			—	—	—						RETRACTABLE PARTITION
2-45	READING	2-40	WOMEN'S	2-55	3'-0"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-46	READING	2-40	STAIR # 4	2-39	2-2'-6"x7'-0"	1¾"	WOOD	D	8⅞	STL.	8		'B' LABEL
2-47	READING	2-40	MEN'S	2-54	3'-0"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-48	READING	2-40	STAIR # 3	2-41	2-2'-6"x7'-0"	1¾"	WOOD	D	8⅞	STL.	8		'B' LABEL
2-49	READING	2-42	MECH. RM.	2-53	2-2'-6"x7'-0"	1¾"	WOOD	A	8⅞	STL.	8		
2-50	READING	2-42	ELECTRIC	2-52	3'-0"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-51	READING	2-42	TYPING	2-43	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		SOUNDPROOF DOOR
2-52	READING	2-42	TYPING	2-43	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		SOUNDPROOF DOOR
2-53	INNOVATION CENTER	2-12	READING	2-40	[illegible]	1¾"	WOOD	B	5⅝	STL.	8		
2-54	READING	2-42	TYPING	2-46	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		SOUNDPROOF DOOR
2-55	READING	2-42	TYPING	2-47	3'-0"x7'-0"	1¾"	WOOD	A	5⅝	STL.	8		SOUNDPROOF DOOR
2-56	CORRIDOR	2-49	JANITOR	2-51	3'-0"x7'-0"	1¾"	WOOD	A	6⅞	STL.	8		
2-57	CORRIDOR	2-49	STAIR # 5	2-50	2-2'-6"x7'-0"	1¾"	WOOD	A	2⅝ *	STL.	13		
2-58	INNOVATION CENTER	2-12			—	—	—						RETRACTABLE PARTITION
2-59	INNOVATION CENTER	2-12											RETRACTABLE PARTITION
2-60	READING	2-40	STAIR # 5	2-50	—			—	6⅝ *	STL.	12		
2-61	READING	2-40	STAIR # 5	2-50	—			—	6⅝ *	STL.	11		
2-64													
2-63	RESERVE BOOK	2-38	READING	2-40	2-2'-6"x7'-0"	1¾"	WOOD		5⅝	STL.	8		

* BUTTED FRAME



FRAME TYPE: ALUM. | 93

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1705 DeSALES STREET, N. W.
WASHINGTON, D. C.

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
FINISH SCHEDULE & OPENING SCHEDULE

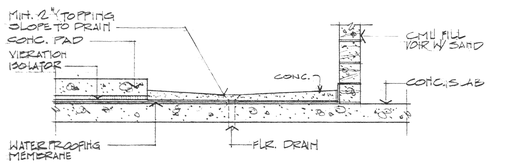
COMM. No. 8-68
DRAWN BY. Sutter
CHECKED BY.
DATE. APRIL 14-1970

SHEET No. A-6
OF 20 SHEETS

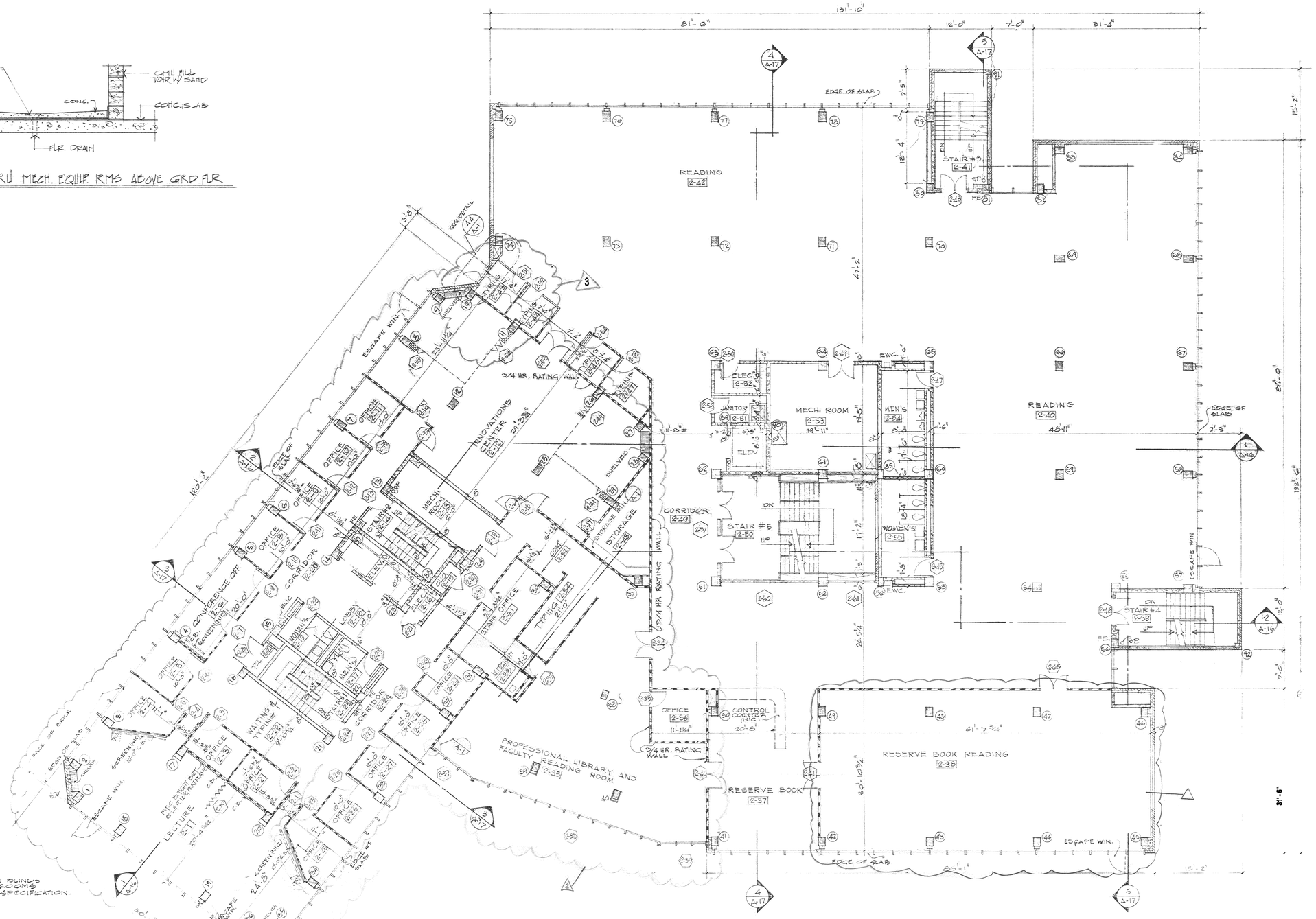
REVISED ⚠1 ADD'L CT-02
As Built Date 8/83

R_CT_A-005

A-6



TYP. FLR SECT. THRU MECH. EQUIP. RMS ABOVE GRD FLR
1/2" = 1'-0"



NOTE:
PROVIDE A.V. VENETION BLINDS FOR ALL THE WINDOWS IN ROOMS 2-1., 2-9, & 2-12. SEE SPECIFICATION.

SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"
FLR. ELEV. 448.25

NOTE:
1 - FOR TYPICAL STAIR, ELEVATOR SHAFT & TOILET PLANS, & SECTION. SEE SHT. A-19 & A-20
2 - FOR TYPICAL SHELVING DET. SEE 57/A-1
3 - FOR FURRED COLUMN DET. SEE 49/A-1

NORTH

REVISED ~~ARA # CROSS OFF~~ RC. 02224, 1/11/91

REVISED ARA # CT-02
As Built Date 8/02

REVISED ARA # 95027
As Built Date 8/95

R_CT_A-007

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS
1705 DESALES STREET, N.W.
WASHINGTON, D.C.
FAUSZ-CARTER & ASS.
BURGASSER & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
SECOND FLOOR PLAN

COMM. No. 8-63
DRAWN BY. Section
CHECKED BY.
DATE APRIL 16, 1972

SHEET No.
A-7
OF 22 SHEETS

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR: CONCRETE	FLOOR: VINYL MASONRY	FLOOR: CARPET	FLOOR: CERAMIC TILE	FLOOR: TERRAZZO TILE	BASE: VINYL MASONRY	BASE: CERAMIC TILE	BASE: NONE	WAINSCOT	WALLS: LIME	WALLS: CONCRETE	WALLS: PLASTER	WALLS: BRICK	WALLS: CERAMIC TILE	WALLS: CERAMIC TILE SPECIAL SHAPE	WALLS: SPRING COATING	CEILING: EXPOSED	CEILING: ACOUSTIC TILE	CEILING: PLASTER	CLG. HGT.	REMARKS
3-1	READING			●			●						●						●		8'-10"	
3-2	TELEPHONE	●						●			●							●				
3-3	STAIR #1		●				●				●					●		●				
3-4	MEN'S				●			●			●				●	●				●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
3-5	LOBBY			●			●						●					●			8'-10"	
3-6	WOMEN'S				●			●			●				●	●				●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
3-7	ELECTRIC	●							●		●							●				
3-8	CLOSET	●							●		●							●				
3-9	STAIR #2		●				●				●					●		●				
3-10	MECH. ROOM	●							●		●							●				
3-11	READING			●			●						●						●		8'-10"	
3-12	VESTIBULE		●				●						●						●		8'-10"	
3-13	READING			●			●						●						●		8'-10"	
3-14	STAIR #4		●				●				●					●		●				
3-15	READING			●			●						●						●		8'-10"	
3-16	STAIR #3		●				●				●					●		●				
3-17	READING			●			●						●						●		8'-10"	
3-18	ELECTRIC	●						●			●							●				
3-19	JANITOR	●						●			●					●		●				
3-20	STAIR #5			●			●						●	●				●				
3-21	MECH. ROOM	●						●			●							●				
3-22	MEN'S				●			●			●				●	●				●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
3-23	WOMEN'S				●			●			●				●	●				●	8'-0"	CERAMIC TILE AT FIXTURES ONLY
3-24	SNACK AREA					●	●				●					●			●			

OPENING SCHEDULE

OPENING NO.	LOCATION: FROM	LOCATION: RM NO.	LOCATION: TO	DOOR: RM NO.	DOOR: SIZE	DOOR: THICK	DOOR: MATERIAL	DOOR: TYPE	FRAME: JAMB WIDTH	FRAME: JAMB HGT	FRAME: MATERIAL	FRAME: TYPE	TRANSOM	REMARKS
3-1	READING	3-1	STAIR #1	3-3	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		'E' LABEL
3-2	READING	3-1	TELEPHONE	3-2	2'-2½"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-3	LOBBY	3-5	WOMEN'S	3-6	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-4	LOBBY	3-5	MEN'S	3-4	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-5	ELECTRIC	3-7	READING	3-11	2'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-6	CLOSET	3-8	READING	3-11	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-7	READING	3-11	STAIR #2	3-9	3'-0"x7'-0"	1¾"	WOOD	D	6'8"		STL.	8		'E' LABEL
3-9	READING	3-11	MECH. ROOM	3-10	2'-2½"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-10	TERRACE R'DNG	—	VESTIBULE	3-12	4'-2½"x7'-0"	1¾"	ALUM.	E			–	–		SEE CURTAIN WALL
3-11	VESTIBULE	3-12	READING	3-11	4'-2½"x7'-0"	1¾"	WOOD	A	4½"		ALUM.	93		
3-14	READING	3-15	WOMEN'S	3-23	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-15	READING	3-15	STAIR #4	3-14	2'-2½"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		'E' LABEL
3-16	READING	3-15	MEN'S	3-22	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-17	READING	3-15	STAIR #3	3-16	2'-2½"x7'-0"	1¾"	WOOD	D	6'8"		STL.	8		'E' LABEL
3-18	READING	3-17	MECH. ROOM	3-21	2'-2½"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-19	READING	3-17	ELECTRIC	3-18	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-20	READING	3-11	JANITOR	3-19	3'-0"x7'-0"	1¾"	WOOD	A	6'8"		STL.	8		
3-24	READING	3-11	STAIR #5	3-20	4'-2½"x7'-0"	1¾"	WOOD	A	6'8"		STL.	13		
3-25	READING	3-13	STAIR #5	3-20					6'8"		STL.	12		
3-26	READING	3-13	STAIR #5	3-2[illegible]					6'8"		STL.	11		

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1705 DeSALES STREET, N. W.
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FREDERICK, MD.
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND

PHASE-VI

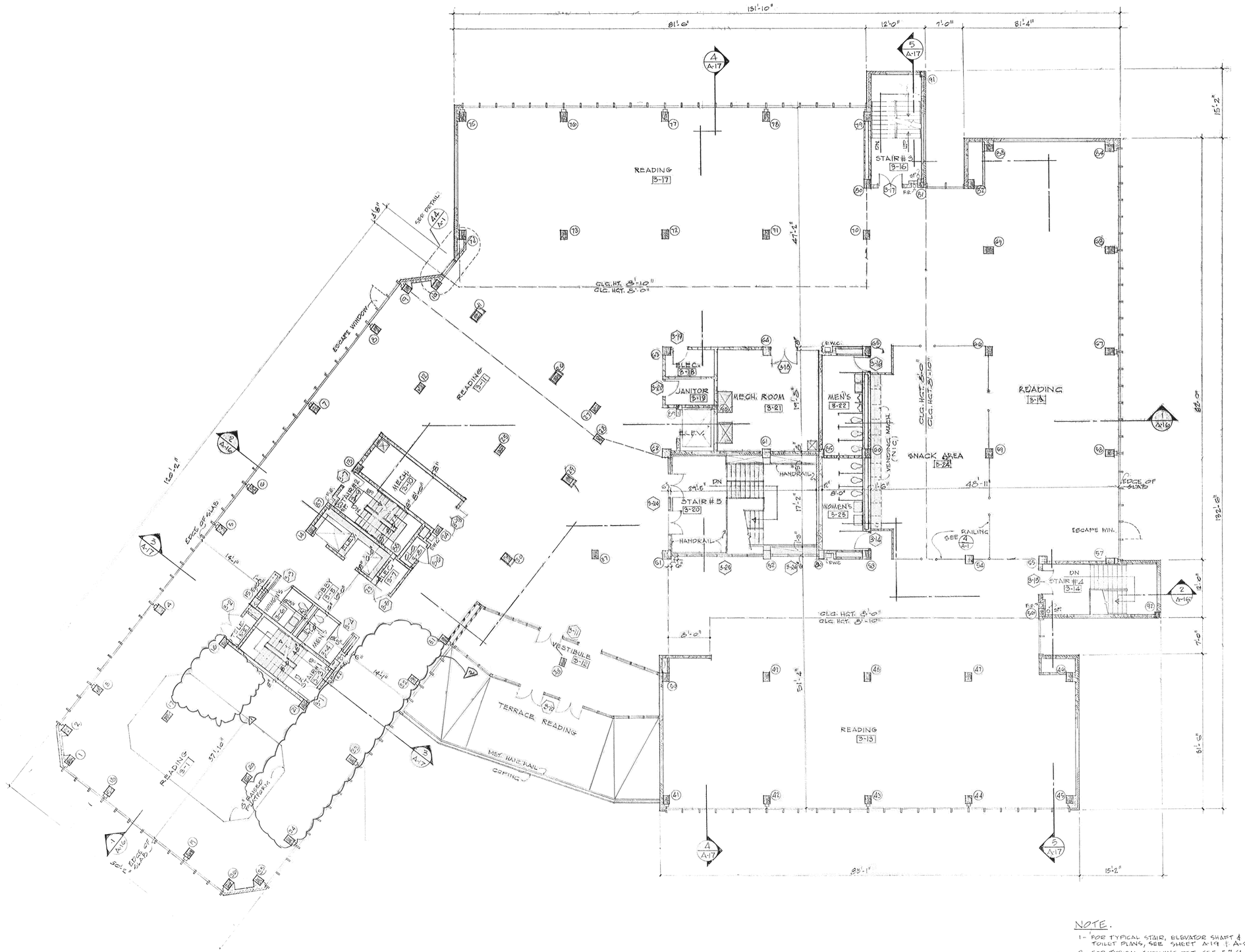
FINISH SCHEDULE & OPENING SCHEDULE

COMM. No. 8-68
DRAWN BY. Sullivan
CHECKED BY.
DATE. 14 APR. 69

SHEET No.
A-8
OF 20 SHEETS

R_CT_A-008

A-8



NOTE.

1- FOR TYPICAL STAIR, ELEVATOR SHAFT & TOILET PLANS, SEE SHEET A-19 & A-20
2- FOR TYPICAL SHELVING DET. SEE 57/A-1
3- FOR FURRED COLUMN DET. 43/A-1

NORTH

REVISED ⚠ ARA # 94087A SEE MC DWG. # 03113 10/93

REVISED ⚠ ARA # 87005 SEE MC DWG # 01916 10/86

3RD. FLOOR PLAN
SCALE 1/8" = 1'-0"
FLOOR EL. 459.00'

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS
1705 DESALES STREET, N. W.
WASHINGTON, D. C.
PADER-COHEN ASSOC.
BERRASSET & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE PHASE-VI

ROCKVILLE, MARYLAND

3rd FLOOR PLAN

COMM. No. 8-68
DRAWN BY. [illegible]
CHECKED BY.
DATE. APRIL 14, 1970

SHEET No
A-9
OF 20 SHEETS

R_CT_A-009

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR: CONCRETE	FLOOR: VINYL ASBESTOS	FLOOR: CARPET	FLOOR: CERAMIC TILE	BASE: VINYL ASBESTOS	BASE: CERAMIC TILE	BASE: WOOD	BASE: NONE	WAINSCOT	WALLS: C.M.U.	WALLS: CONCRETE	WALLS: PLASTER	WALLS: BRICK	WALLS: CERAMIC TILE	WALLS: METAL	WALLS: SPECIAL COATING	CEILING: EXPOSED	CEILING: ACOUSTIC TILE	CEILING: PLASTER	CEILING: WOOD	CLG. HTG.	REMARKS
4-1	OFFICE	●				●									●				●			8'-10"	
4-2	OFFICE	●				●									●				●			8'-10"	
4-3	OFFICE	●				●									●				●			8'-10"	
4-4	OFFICE	●				●									●				●			8'-10"	
4-5	OFFICE	●				●									●				●			8'-10"	
4-6	OFFICE	●				●									●				●			8'-10"	
4-7	OFFICE	●				●									●				●			8'-10"	
4-8	OFFICE	●				●									●				●			8'-10"	
4-9	OFFICE	●				●									●				●			8'-10"	
4-10	OFFICE	●				●									●				●			8'-10"	
4-11	OFFICE	●				●									●				●			8'-10"	
4-12	OFFICE	●				●									●				●			8'-10"	
4-13	OFFICE	●				●									●				●			8'-10"	
4-14	OFFICE	●				●									●				●			8'-10"	
4-15	OFFICE	●				●									●				●			8'-10"	
4-16	OFFICE	●				●									●				●			8'-10"	
4-17	OFFICE	●				●									●				●			8'-10"	
4-18	OFFICE	●				●									●				●			8'-10"	
4-19	OFFICE	●				●									●				●			8'-10"	
4-20	OFFICE	●				●									●				●			8'-10"	
4-21	OFFICE	●				●									●				●			8'-10"	
4-22	OFFICE	●				●									●				●			8'-10"	
4-23	OFFICE	●				●									●				●			8'-10"	
4-24	OFFICE	●				●									●				●			8'-10"	
4-25	OFFICE	●				●									●				●			8'-10"	
4-26	OFFICE	●				●									●				●			8'-10"	
4-27	SEMINAR	●				●									●				●			8'-10"	
4-28	SECRETARY	●				●									●				●			8'-10"	
4-29	DIV. HEAD OFFICE	●				●									●				●			8'-10"	
4-30	STORAGE	●				●									●				●			8'-10"	
4-31	CORRIDOR		●			●									●				●			8'-10"	
4-32	WAITING, TYPING & WORK	●				●							●						●			8'-10"	
4-33	TELEPHONE	●						●			●							●					
4-34	STAIR # 1		●			●					●						●						
4-35	CORRIDOR		●			●							●		●				●			8'-10"	
4-36	MEN'S			●			●				●			●		●				●		8'-0"	CERAMIC AT FIXTURES ONLY
4-37	LOBBY		●			●							●						●			8'-10"	
4-38	WOMEN'S			●			●				●			●		●				●		8'-0"	CERAMIC AT FIXTURES ONLY
4-39	CORRIDOR		●			●							●		●				●			8'-10"	
4-40	STAIR # 2		●			●					●						●	●					
4-41	ELECTRIC	●						●			●							●					
4-42	JANITOR	●						●			●						●						
4-43	MECH. ROOM	●						●			●							●					
4-44	WAITING, TYPING & WORK	●				●							●		●				●			8'-10"	
4-45	CORRIDOR	●				●							●		●				●			8'-10"	
4-46	STAIR # 3	●				●					●						●	●					
4-47	ELEV. MACHINE ROOM	●						●			●							●					

NOTE: CORRIDOR AT 6TH FLOOR - INTERLOCKING CEILING TILE REPLACE WITH 2' X 2' SUSPENDED CEILING TILE
ARA #85054A 04-10-86

OPENING SCHEDULE

DWG. NO.	LOCATION: FROM	RM NO	TO	RM NO	DOOR: SIZE	THICK	MATERIAL	TYPE	FRAME: JAMB WIDTH	HEAD	MATERIAL	TYPE	HARDWARE SET	REMARKS
4-1	CORRIDOR	4-39	OFFICE	4-1	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-2	CORRIDOR	4-39	OFFICE	4-2	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-3	CORRIDOR	4-39	OFFICE	4-3	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-4	CORRIDOR	4-39	OFFICE	4-4	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-5	CORRIDOR	4-39	OFFICE	4-5	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-6	CORRIDOR	4-39	OFFICE	4-6	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-7	CORRIDOR	4-39	OFFICE	4-7	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-8	CORRIDOR	4-39	OFFICE	4-8	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-9	CORRIDOR	4-39	OFFICE	4-9	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-10	CORRIDOR	4-39	OFFICE	4-10	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-11	CORRIDOR	4-39	OFFICE	4-11	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-12	CORRIDOR	4-39	OFFICE	4-12	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-13	CORRIDOR	4-45	OFFICE	4-13	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-14	CORRIDOR	4-45	OFFICE	4-14	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-15	CORRIDOR	4-45	OFFICE	4-15	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-16	CORRIDOR	4-45	OFFICE	4-16	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-17	CORRIDOR	4-35	OFFICE	4-17	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-18	CORRIDOR	4-35	OFFICE	4-18	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-19	CORRIDOR	4-35	OFFICE	4-19	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-20	CORRIDOR	4-35	OFFICE	4-20	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-21	CORRIDOR	4-35	OFFICE	4-21	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-22	CORRIDOR	4-35	OFFICE	4-22	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-23	CORRIDOR	4-35	OFFICE	4-23	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-24	CORRIDOR	4-35	OFFICE	4-24	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-25	CORRIDOR	4-35	OFFICE	4-25	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-26	CORRIDOR	4-35	OFFICE	4-26	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-27	CORRIDOR	4-35	SEMINAR	4-27	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-28	CORRIDOR	4-35	SECRETARY	4-28	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-29	CORRIDOR	4-35	DIV. HEAD OFFICE	4-29	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-30	SECRETARY	4-28	STORAGE	4-30	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-31	CORRIDOR	4-35	WAITING, TYPING	4-32	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-32	TELEPHONE	4-33	CORRIDOR	4-39	2'-6"x7'-0"	1¾"	WOOD	F	6⅝"		STL.	8		
4-33	LOBBY	4-37	WOMEN'S	4-38	3'-0"x7'-0"	1¾"	WOOD	A	6⅝"		STL.	8		
4-34	CORRIDOR	4-39	STAIR # 2	4-40	3'-0"x7'-0"	1¾"	WOOD	D	6⅝"		STL.	8		"B" LABEL
4-36	CORRIDOR	4-43	WAITING, TYPING	4-44	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-37	CORRIDOR	4-35	WAITING, TYPING	4-44	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-38	CORRIDOR	4-35	MECH. ROOM	4-43	2'-6"x7'-0"	1¾"	WOOD	A	6⅝"		STL.	8		
4-39	CLOSET	4-42	CORRIDOR	4-35	2'-6"x7'-0"	1¾"	WOOD	A	6⅝"		STL.	8		
4-40	ELECTRIC	4-41	CORRIDOR	4-35	2'-6"x7'-0"	1¾"	WOOD	A	6⅝"		STL.	8		
4-41	LOBBY	4-37	MEN'S	4-36	3'-0"x7'-0"	1¾"	WOOD	A	6⅝"		STL.	8		
4-42	CORRIDOR	4-35	STAIR # 1	4-34	3'-0"x7'-0"	1¾"	WOOD	D	6⅝"		STL.	8		"B" LABEL
4-43	CORRIDOR	4-35	WAITING, TYPING	4-36	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	8		
4-44	ROOF	—	STAIR # 3	4-46	3'-0"x7'-0"	1¾"	METAL	D	6⅝"		STL.	8		
4-45	ROOF	—	PENTHOUSE		3'-0"x7'-0"	1¾"	METAL	A	6⅝"		STL.	8		
4-46	CORRIDOR	4-31	WAITING & TYPING	4-52	—	—	—	—	5⅝"		STL.	8		
4-47	CORRIDOR	4-35	WAITING & TYPING	4-52	—	—	—	—	5⅝"		STL.	8		
4-48	CORRIDOR	4-45	WAITING & TYPING	4-44	—	—	—	—	5⅝"		STL.	8		

MCLAUGHLIN, FERRARA & ENSIGN
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1705 DESALES STREET, N. W.
WASHINGTON, D. C.
TELEPHONE 785-2555
CABLE: MFE ARCHITECTS

STRUCTURAL ENGINEER:
MECHANICAL & ELECTRICAL ENGINEER:

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE - VI

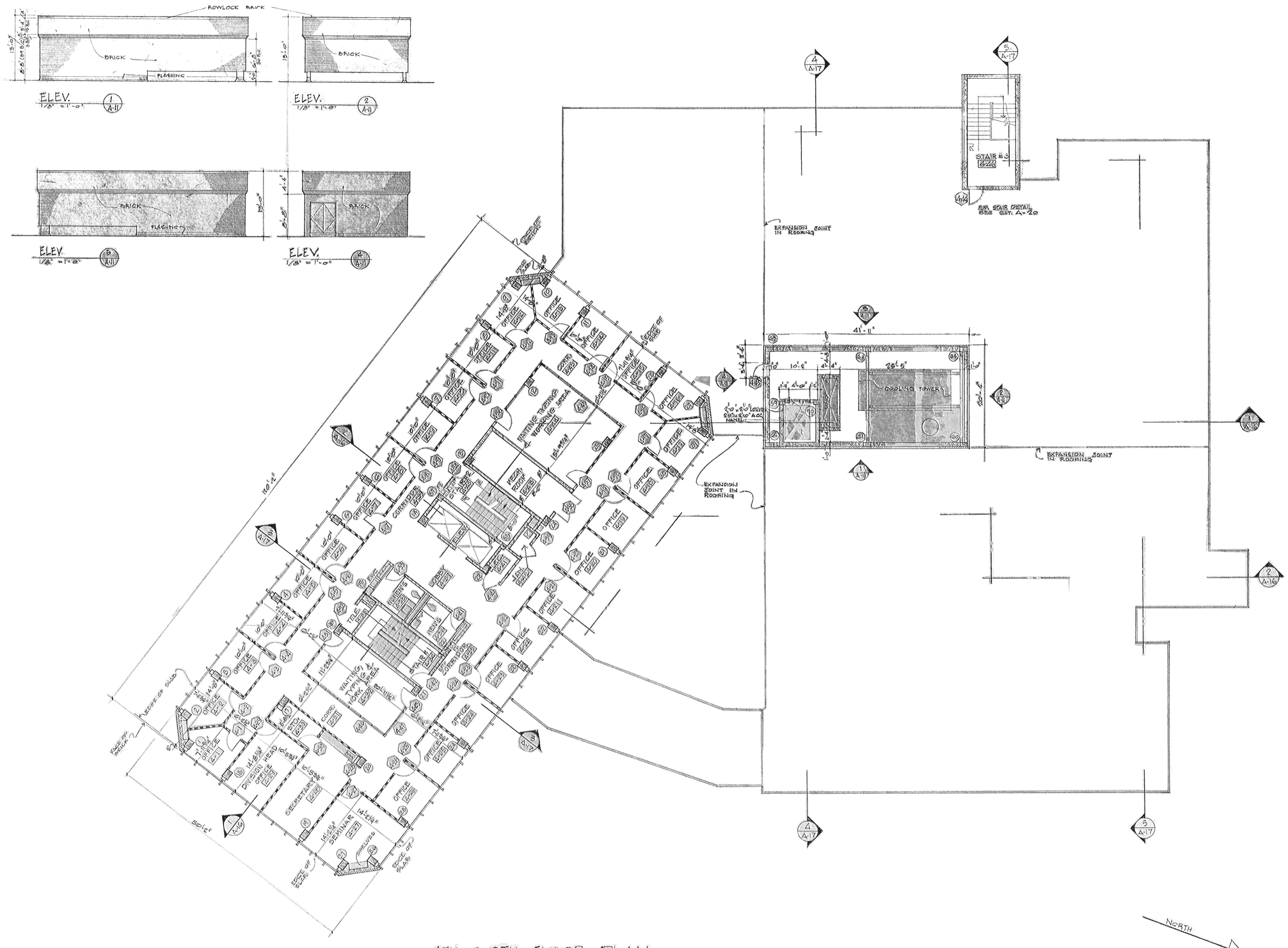
FINISH SCHEDULE & OPENING SCHEDULE

COMM. No. 8-68
DRAWN BY. Sutton
CHECKED BY.
DATE. 14 APR. 89

SHEET No.
A-10
OF 20 SHEETS

R_CT_A-010

A - 10



4TH. & 6TH. FLOOR PLAN
SCALE 1/8" = 1'-0"

4TH. FL. EL. 469.67
6TH. FL. EL. 491.00'

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
STRUCTURAL ENGINEERS
ENGINEERS & ELECTRICAL ENGINEERS
1705 DUSALES STREET, N.W.
WASHINGTON, D.C.
ALTER-COHEN, ASSOC.
PRASSET & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND
4 th. & 6 th. FLOOR PLANS

COMM. No. 8-68
DRAWN BY. Sutton
CHECKED BY.
DATE. April 14, 1970

SHEET No.
A-11
OF 20 SHEETS

R_CT_A-011

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR: CONCRETE	FLOOR: VINYL ASBESTOS	FLOOR: CARPET	FLOOR: CERAMIC TILE	BASE: VINYL ASBESTOS	BASE: CERAMIC TILE	BASE: NONE	WAINSCOT	WALLS: CMU	WALLS: CONCRETE	WALLS: PLASTER	WALLS: BRICK	WALLS: CERAMIC TILE	WALLS: CONCRETE	WALLS: SPECIAL COATING	CEILING: SUSPENDED FIBERGLAS INSUL. BD.	CEILING: ACOUSTIC TYPE 'A'	CEILING: PLASTER	CLG. HGT.	REMARKS
5-1	OFFICE		●			●										●		●		8'-10"	
5-2	OFFICE		●			●										●		●		8'-10"	
5-3	OFFICE		●			●										●		●		8'-10"	
5-4	OFFICE		●			●										●		●		8'-10"	
5-5	OFFICE		●			●										●		●		8'-10"	
5-6	OFFICE		●			●										●		●		8'-10"	
5-7	OFFICE		●			●										●		●		8'-10"	
5-8	OFFICE		●			●										●		●		8'-10"	
5-9	OFFICE		●			●										●		●		8'-10"	
5-10	OFFICE		●			●										●		●		8'-10"	
5-11	OFFICE		●			●						●				●		●		8'-10"	
5-12	OFFICE		●			●						●				●		●		8'-10"	
5-13	OFFICE		●			●										●		●		8'-10"	
5-14	OFFICE		●			●										●		●		8'-10"	
5-15	OFFICE		●			●						●				●		●		8'-10"	
5-16	OFFICE		●			●						●				●		●		8'-10"	
5-17	OFFICE		●			●										●		●		8'-10"	
5-18	OFFICE		●			●										●		●		8'-10"	
5-19	OFFICE		●			●										●		●		8'-10"	
5-20	OFFICE		●			●										●		●		8'-10"	
5-21	OFFICE		●			●										●		●		8'-10"	
5-22	OFFICE		●			●										●		●		8'-10"	
5-23	OFFICE		●			●										●		●		8'-10"	
5-24	OFFICE		●			●										●		●		8'-10"	
5-25	OFFICE		●			●										●		●		8'-10"	
5-26	OFFICE		●			●						●				●		●		8'-10"	
5-27	OFFICE		●			●						●				●		●		8'-10"	
5-28	OFFICE		●			●										●		●		8'-10"	
5-29	OFFICE		●			●										●		●		8'-10"	
5-30	OFFICE		●			●						●				●		●		8'-10"	
5-31	CORRIDOR		●			●										●		●		8'-10"	
5-32	WAITING, TYPING & WORK		●			●										●		●		8'-10	
5-33	OFFICE		●			●										●		●		8'-10"	
5-34	OFFICE		●			●										●		●		8'-10"	
5-35	STAIR #1		●			●				●					●		●				
5-36	TELEPHONE	●					●			●							●				
5-37	CORRIDOR		●			●				●		●						●			
5-38	WOMEN'S			●			●			●			●		●				●	8'-0"	
5-39	LOBBY		●			●				●		●						●		8'-10"	
5-40	MEN'S			●			●			●			●		●				●	8'-0"	
5-41	CORRIDOR		●			●						●			●					8'-10"	
5-42	ELECTRIC	●					●			●							●				
5-43	JANITOR	●					●			●					●		●				
5-44	STAIR #2		●			●				●					●		●				
5-45	MECH. ROOM	●					●			●							●				
5-46	WAITING, TYPING & WORK		●			●						●			●			●		8'-10"	
5-47	CORRIDOR		●			●									●			●		8'-10"	
B-1	MECH & ELEC ROOM	●					●			●	●						●				
B-2	ELEC ROOM	●					●			●	●						●				
B-3	STAIR #3	●					●			●	●										
B-4	ELEV MACH ROOM	●					●			●	●										

OPENING SCHEDULE

MARK NUMBER	LOCATION: FROM	LOCATION: RM NO	LOCATION: TO	LOCATION: RM NO	DOOR: SIZE	DOOR: THICK	DOOR: MATERIAL	DOOR: TYPE	FRAME: JAMB WIDTH	FRAME: JAMB HEAD	FRAME: MATERIAL	FRAME: TYPE	HARDWARE SET	REMARKS
5-1	CORRIDOR	5-37	OFFICE	5-1	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-2	CORRIDOR	5-37	OFFICE	5-2	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-3	CORRIDOR	5-37	OFFICE	5-3	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-4	CORRIDOR	5-37	OFFICE	5-4	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-5	CORRIDOR	5-37	OFFICE	5-5	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-6	CORRIDOR	5-37	OFFICE	5-6	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-7	CORRIDOR	5-37	OFFICE	5-7	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-8	CORRIDOR	5-37	OFFICE	5-8	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-9	CORRIDOR	5-37	OFFICE	5-9	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-10	CORRIDOR	5-37	OFFICE	5-10	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-11	CORRIDOR	5-37	OFFICE	5-11	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-12	CORRIDOR	5-47	OFFICE	5-12	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-13	CORRIDOR	5-47	OFFICE	5-13	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-14	CORRIDOR	5-47	OFFICE	5-14	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-15	CORRIDOR	5-47	OFFICE	5-15	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-16	CORRIDOR	5-41	OFFICE	5-16	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-17	CORRIDOR	5-41	OFFICE	5-17	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-18	CORRIDOR	5-41	OFFICE	5-18	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-19	CORRIDOR	5-41	OFFICE	5-19	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-20	CORRIDOR	5-41	OFFICE	5-20	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-21	CORRIDOR	5-41	OFFICE	5-21	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-22	CORRIDOR	5-41	OFFICE	5-22	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-23	CORRIDOR	5-41	OFFICE	5-23	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-24	CORRIDOR	5-41	OFFICE	5-24	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-25	CORRIDOR	5-41	OFFICE	5-25	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-26	CORRIDOR	5-41	OFFICE	5-26	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-27	CORRIDOR	5-31	OFFICE	5-27	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-28	CORRIDOR	5-31	OFFICE	5-28	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-29	CORRIDOR	5-31	OFFICE	5-29	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-30	CORRIDOR	5-31	OFFICE	5-30	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-31	CORRIDOR	5-37	WAITING, TYPING	5-32	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-32	CORRIDOR	5-37	OFFICE	5-33	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-33	TELEPHONE	5-36	CORRIDOR	5-37	2'-6"x6'-0"	1⅜"	WOOD	F	6'⅛"		STL.	6		
5-34	CORRIDOR	5-37	STAIR #2	5-44	3'-0"x7'-0"	1¾"	WOOD	D	3'⅛"		STL.	6		'B' LABEL.
5-36	CORRIDOR	5-37	WAITING, TYPING	5-46	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-37	CORRIDOR	5-41	WAITING, TYPING	5-46	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-38	CORRIDOR	5-41	MECH. ROOM	5-45	2'-6"x7'-0"	1⅜"	WOOD	A	6'⅛"		STL.	6		
5-39	JANITOR	5-43	CORRIDOR	5-41	3'-0"x7'-0"	1⅜"	WOOD	A	6'⅛"		STL.	6		
5-40	ELECTRIC	5-42	CORRIDOR	5-41	2'-6"x7'-0"	1⅜"	WOOD	A	6'⅛"		STL.	6		
5-41	LOBBY	5-39	MEN'S	5-40	3'-0"x7'-0"	1¾"	WOOD	A	6'⅛"		STL.	6		
5-42	LOBBY	5-39	WOMEN'S	5-38	3'-0"x7'-0"	1¾"	WOOD	A	6'⅛"		STL.	6		
5-43	CORRIDOR	5-41	STAIR #1	5-35	3'-0"x7'-0"	1¾"	WOOD	D	3'⅛"		STL.	6		'B' LABEL.
5-44	CORRIDOR	5-41	OFFICE	5-34	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
5-45	CORRIDOR	5-41	WAITING, TYPING	5-32	3'-0"x7'-0"	1¾"	WOOD	A	5⅝"		STL.	6		
B-1	MECH & ELEC RM	B-1	AREAWAY		3'-0"x7'-0"	1¾"	METAL	A	6'⅛"		STL.	65		
B-2	MECH & ELEC RM	B-1	STAIR #3	B-3	6'-0"x7'-0"	1¾"	METAL	D	3'⅛"		STL.	6		'1½' LABEL
B-3	ELEV MACH RM	B-4	MECH & ELEC RM	B-1	3'-0"x7'-0"	1¾"	METAL	A	6'⅛"		STL.	6		
B-4	ELEC ROOM	B-2	MECH & ELEC RM	B-1	6'-0"x7'-0"	1¾"	METAL	A	6'⅛"		STL.	6		

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MOSHER & TINKER ASSOC.
MECHANICAL & ELECTRICAL ENGINEERS
LANDSCAPE ARCHITECT

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE - VI

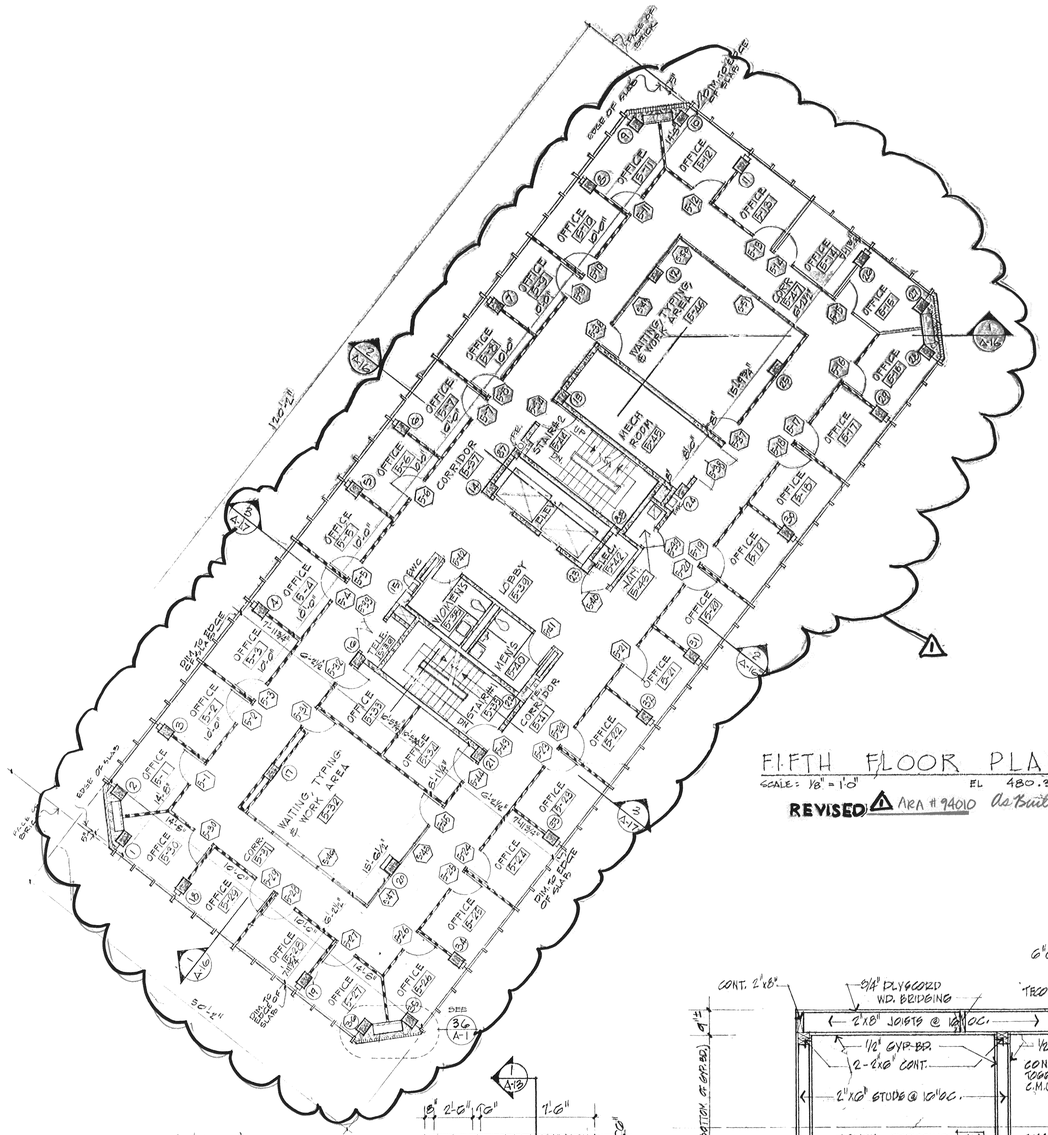
FINISH SCHEDULE & OPENING SCHEDULE

COMM. No. 8-68
DRAWN BY. Sullivan
CHECKED BY.
DATE. APRIL 14, 1970

SHEET No. A-12 OF 20 SHEETS

R_CT_A-012

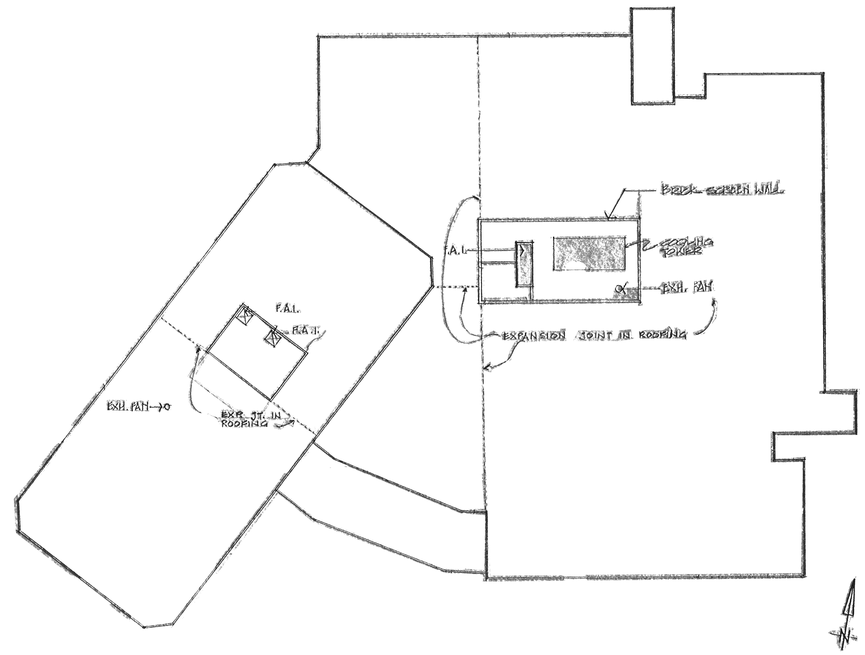
A-12



FIFTH FLOOR PLAN

SCALE: 1/8" = 1'-0" EL 480.33'

REVISED ⚠ ARA # 94010 As Builts Dated 2/95



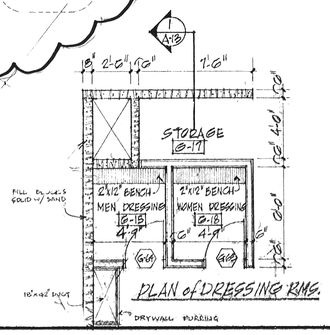
ROOF PLAN

SCALE 1/16" = 1'-0"

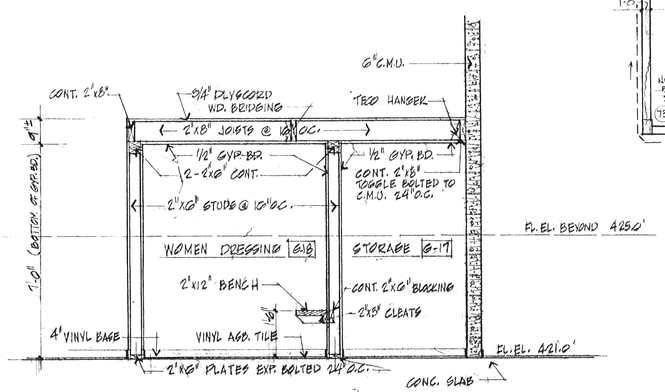
NOTE

1 — FOR TYPICAL, STAIR, ELEVATOR SHAFT, & TOILET PLAN SEE SHEET A-19

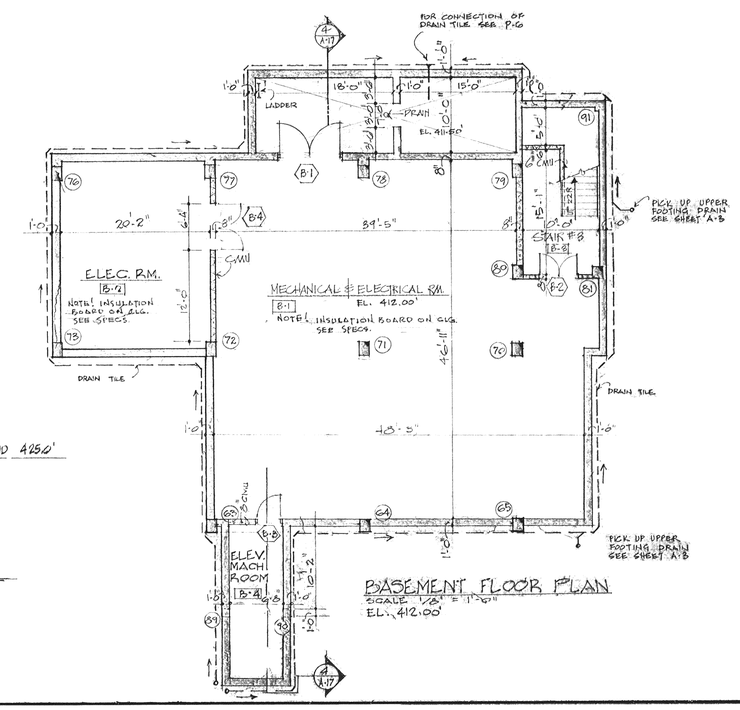
2 FOR TYPICAL SHELVING DETAIL SEE S7/A-1



PLAN of DRESSING RMS.



SECTION 1/A-13 1/2" = 1'-0"



BASEMENT FLOOR PLAN

SCALE 1/8" = 1'-0"

EL. 412.00'

McLEOD FERRARA & ENSIGN ARCHITECTS AIA

MONTGOMERY COUNTY COMMUNITY COLLEGE PHASE-VI

ROCKVILLE MARYLAND

FIFTH FLOOR, ROOF & BASEMENT PLANS

R_CT_A-013

COMM. No. 8-68

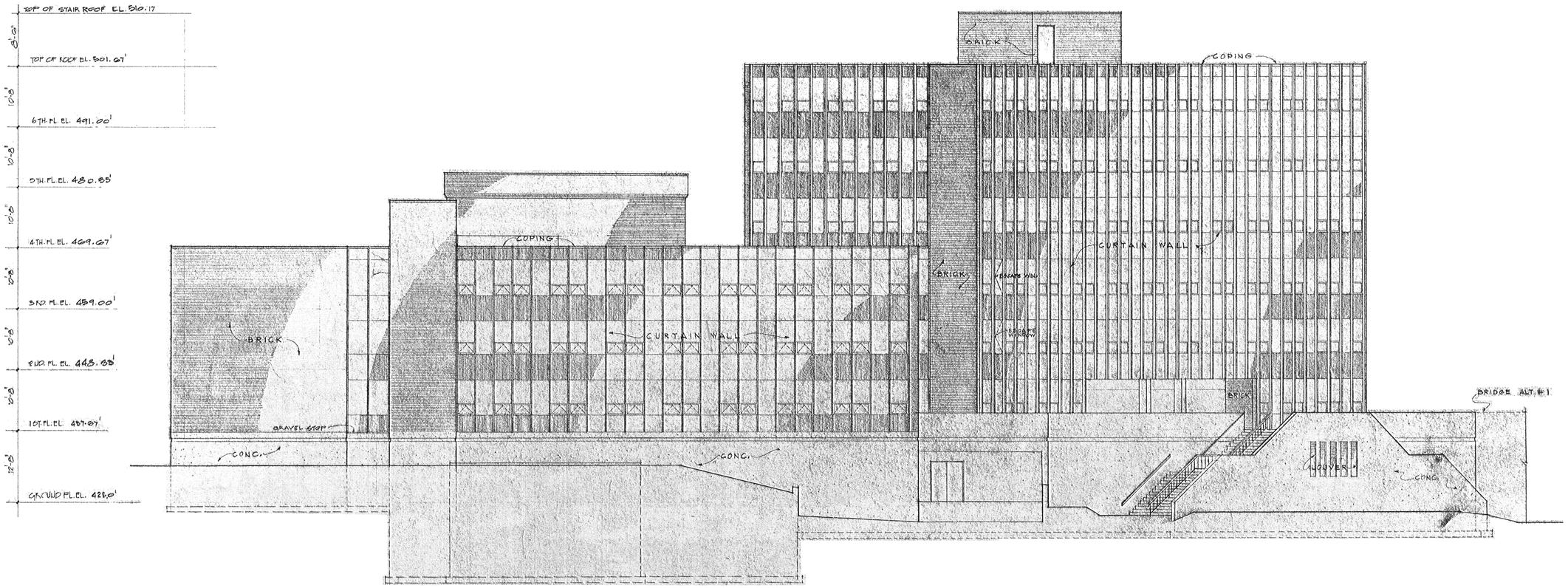
DRAWN BY. Sullivan

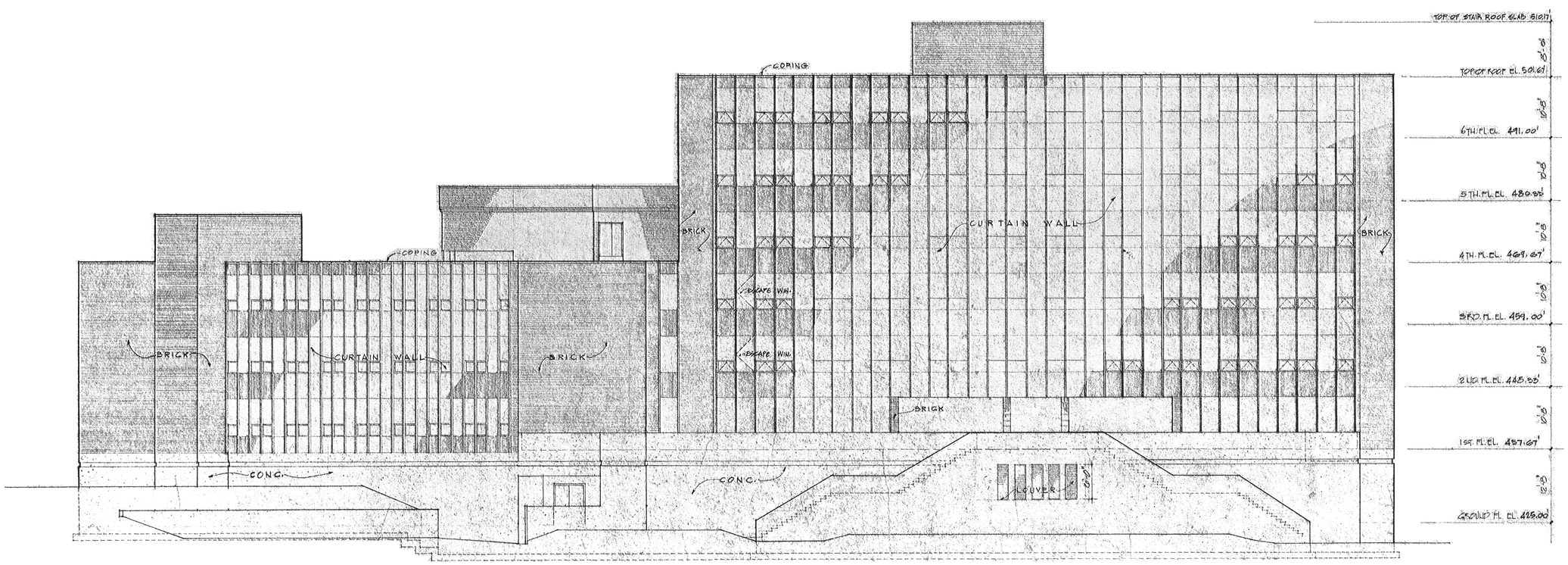
CHECKED BY.

DATE. APRIL 14, 1970

SHEET No. A-13

OF 20 SHEETS





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1705 DeSALES STREET, N. W.
WASHINGTON, D. C.
TALBOT, JOHN & ASSOC.
ARCHITECTS & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE PHASE-VI

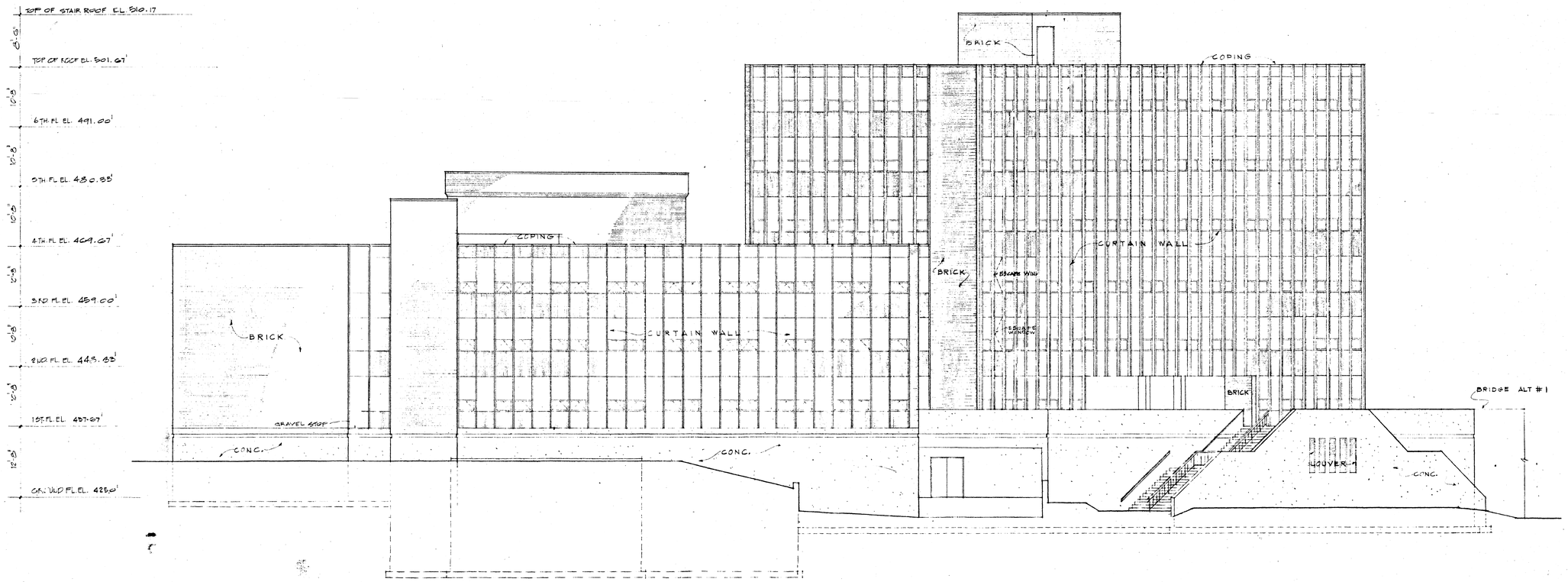
ROCKVILLE, MARYLAND

ELEVATIONS

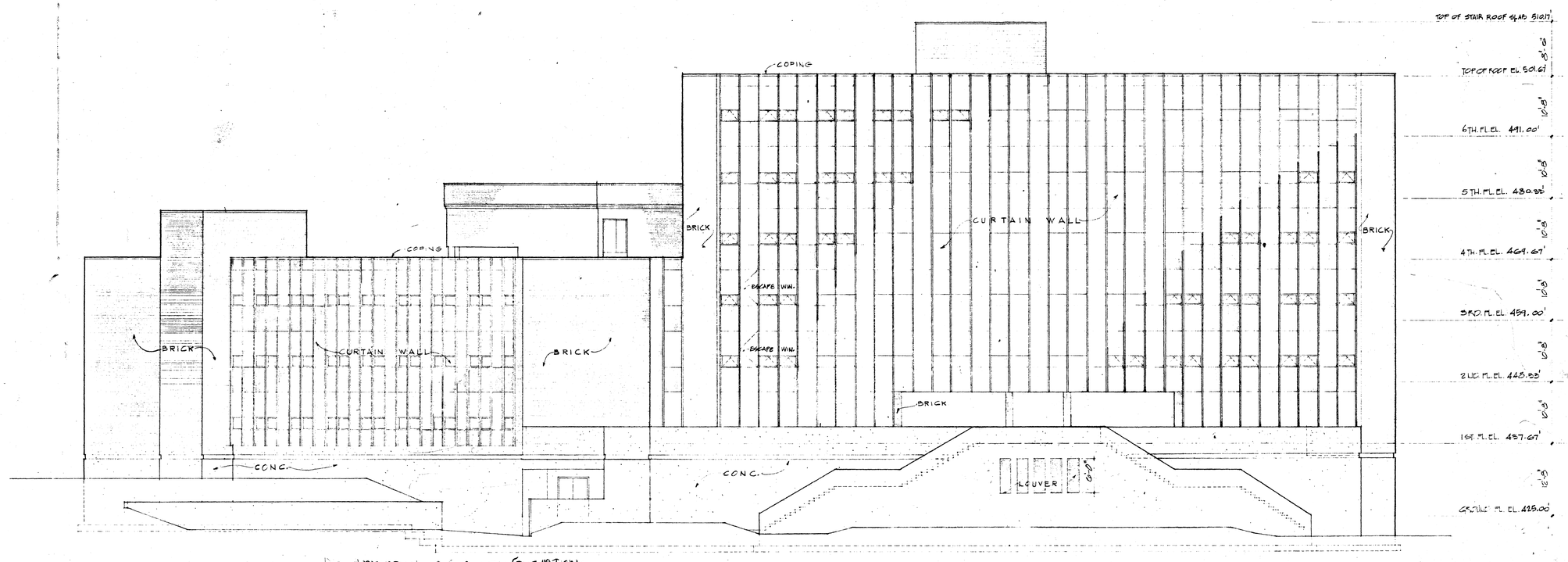
COMM. No. 8-68
DRAWN BY. Sullivan
CHECKED BY.
DATE. APRIL 14, 1970

SHEET A-14 OF 20 SHEETS

R_CT_A-014



South Elevation



No. Variation on South Elevation.

McLEOD, FERRARA & ENSIGN
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WASHINGTON, D. C.

MONTGOMERY COMMUNITY COLLEGE PHASE-VI

MARYLAND

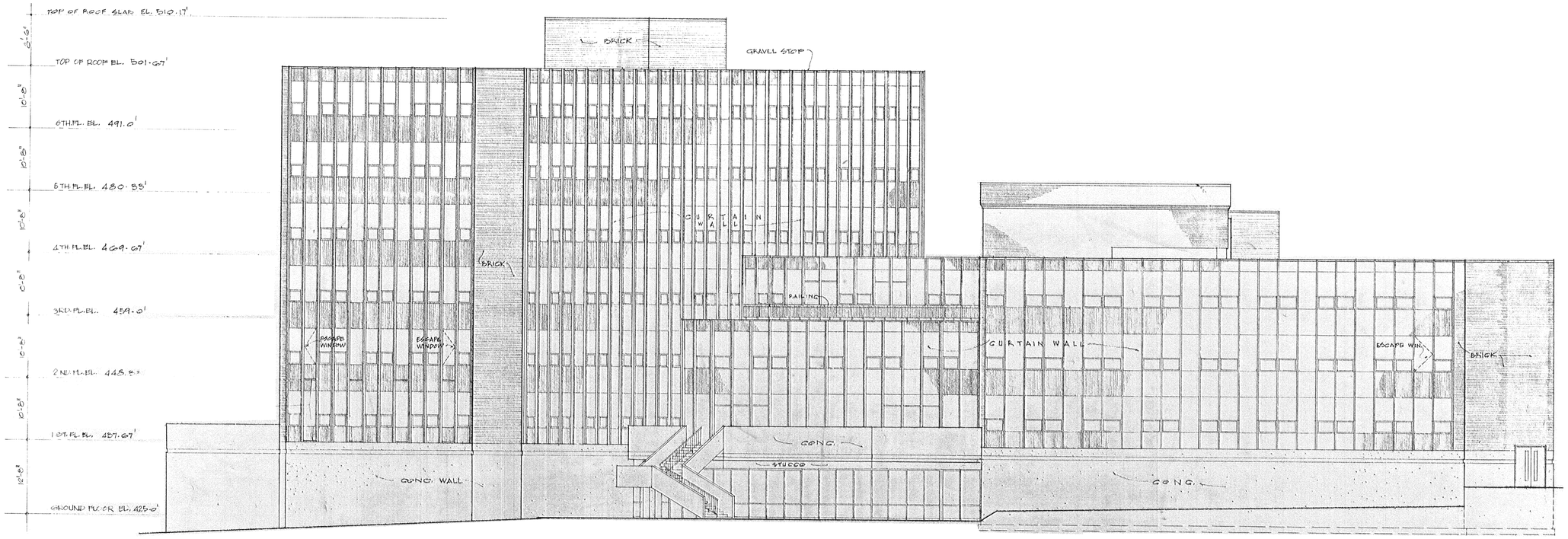
ROCKVILLE,

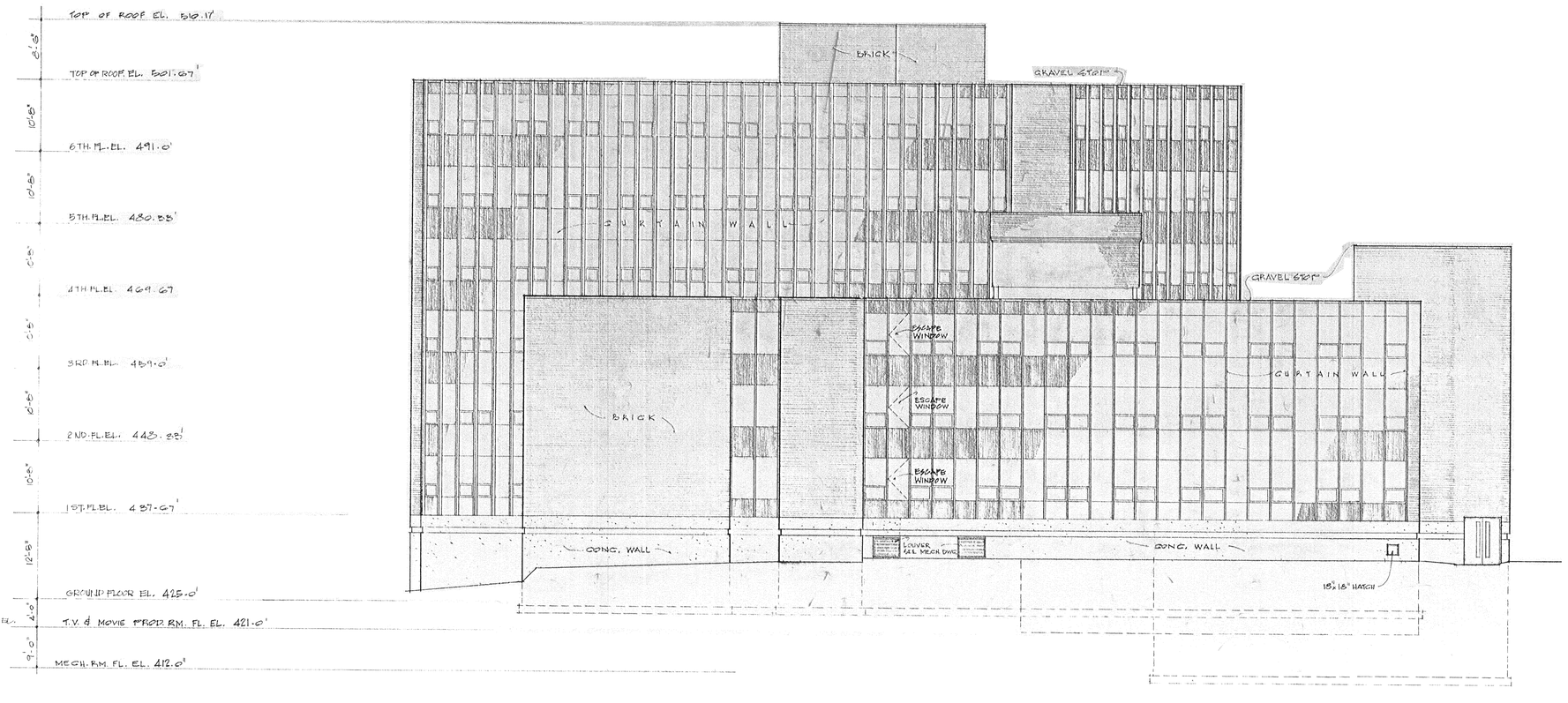
ELEVATIONS.

COMM. No. 5-58
DRAWN BY. Sullen
CHECKED BY.
DATE. APRIL 14, 1970

SHEET No.

A-14





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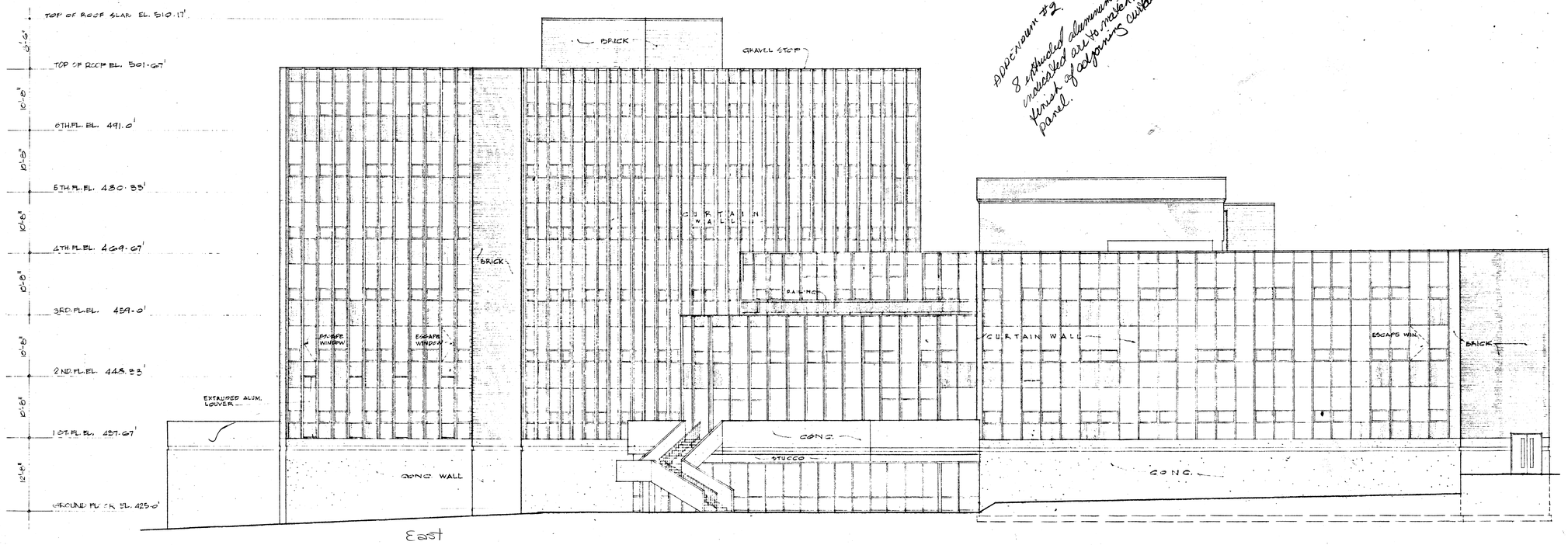
1705 DeSALES STREET, N. W.
WASHINGTON, D. C.

MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND
ELEVATIONS

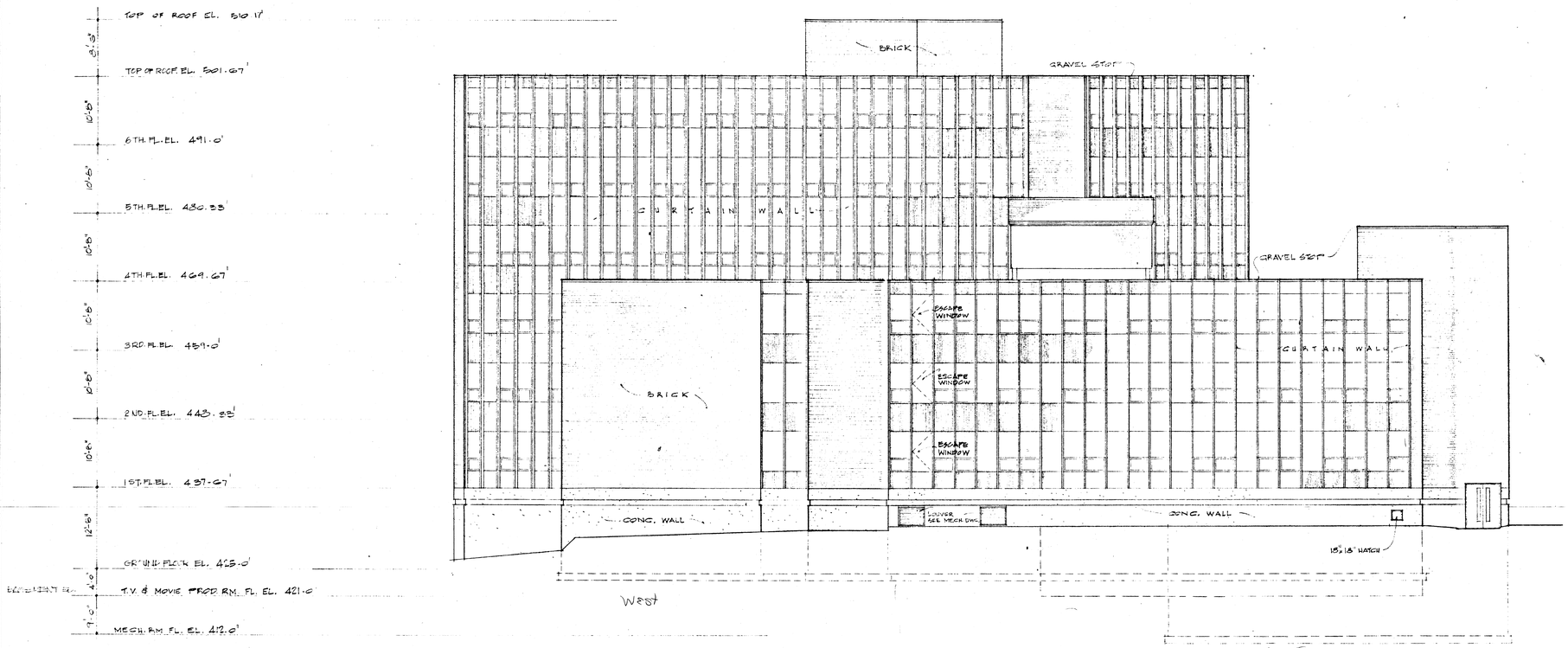
COMM. No. 8-68
DRAWN BY. Sieber
CHECKED BY.
DATE. APRIL 14, 1970

R_CT_A-015

A-15
OF 20 SHEETS



Specimen #2
8 anodized aluminum louvers
unbalanced air to match the
finish of adjoining curtainwall
panel.



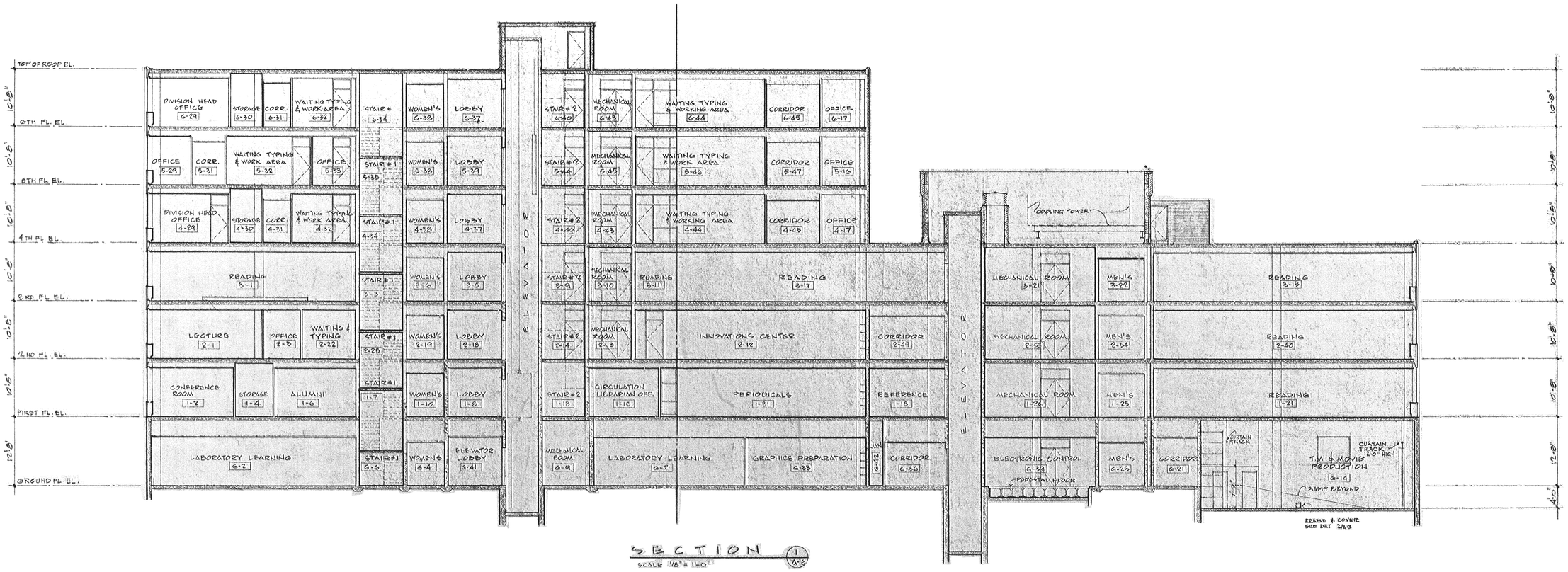
501.67
4250
76.67

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1700 DeSALES STREET, N. W.
WASHINGTON, D. C.

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
ELEVATIONS

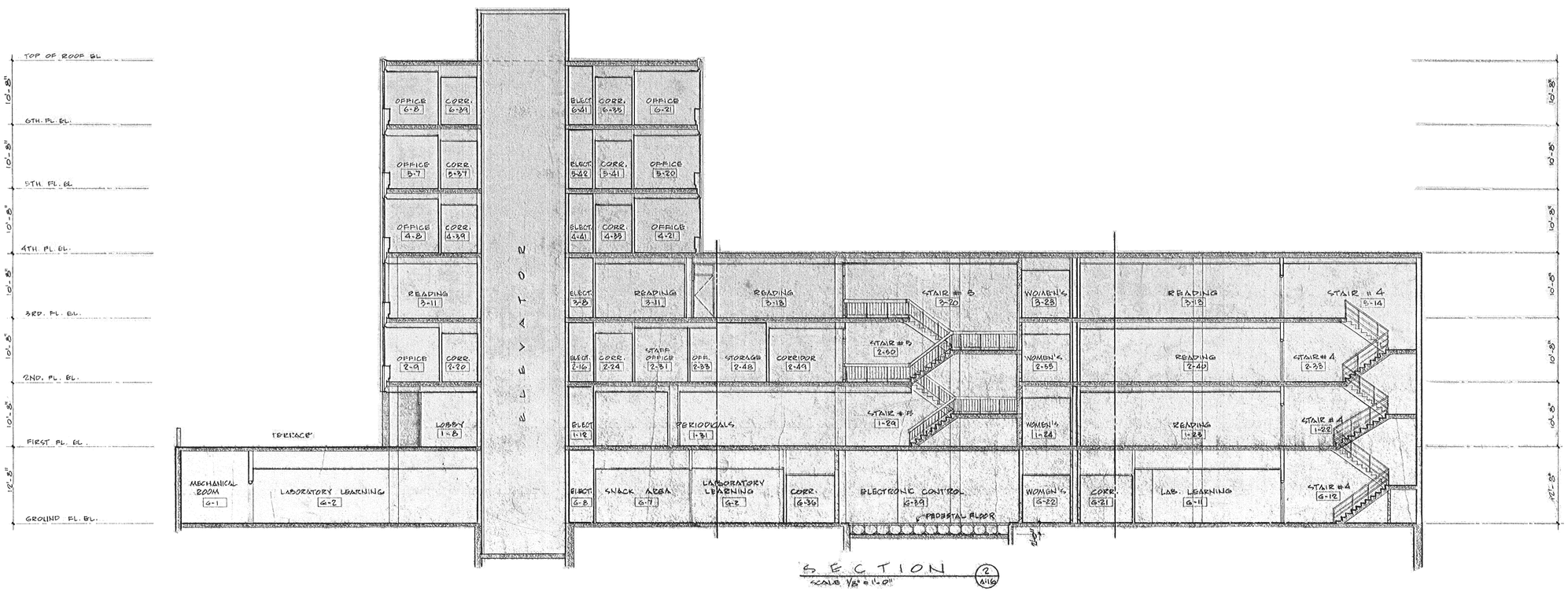
COMM. No. 5-68
DRAWN BY. [illegible]
CHECKED BY.
DATE. APRIL 14, 1970

SHEET No.
A-15
OF 20 SHEETS



SECTION 1/A-16

SCALE 1/8" = 1'-0"



SECTION 2/A-16

SCALE 1/8" = 1'-0"

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CONSULTANTS, ENGINEERS, ARCHITECTS, PLANNERS
1705 RICHELIEU STREET, N. W.
WASHINGTON, D. C.
CONSULTANTS: ENGINEERS, ARCHITECTS, PLANNERS & SUPERVISORS

MONTGOMERY COUNTY COLLEGE
ROCKVILLE MARYLAND
PHASE-VI
SECTIONS

COMM. No. 8-68
DRAWN BY. R.J.B.
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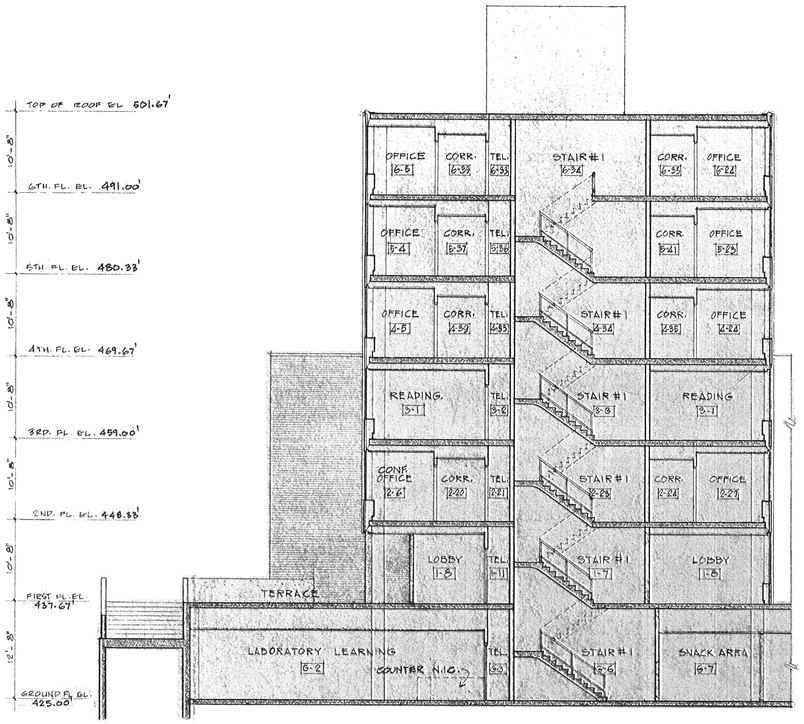
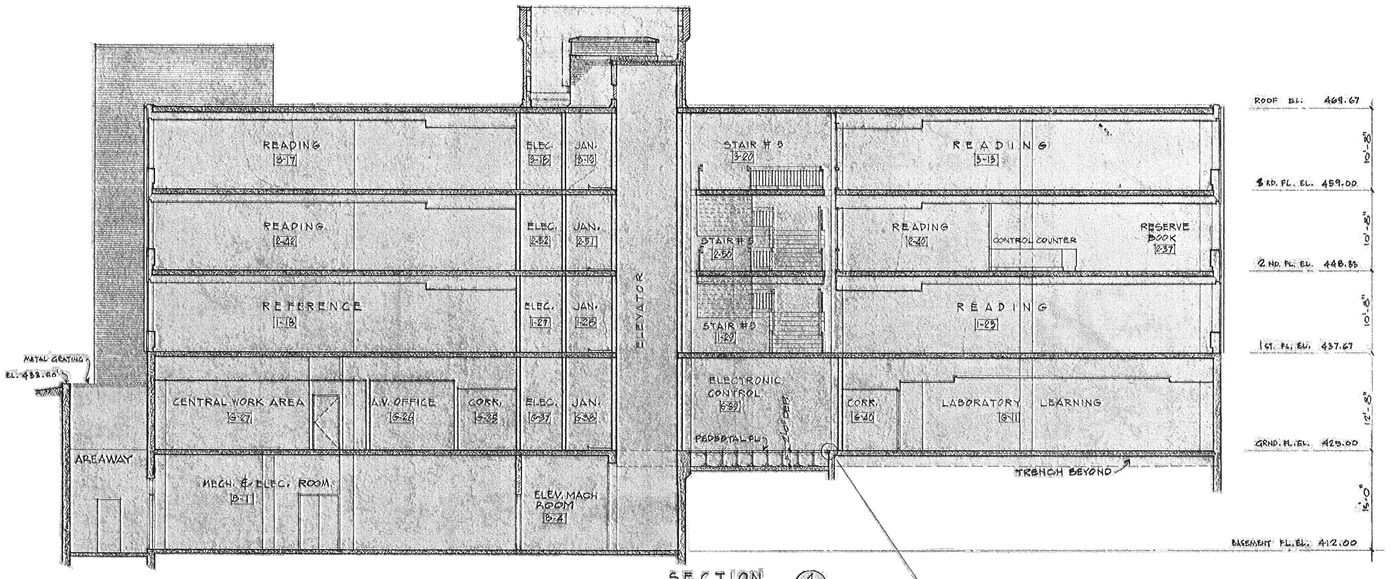
DATE. APRIL 13, 1970

SHEET No.
A-16
OF 20 SHEETS

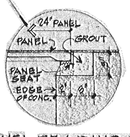
R_CT_A-016



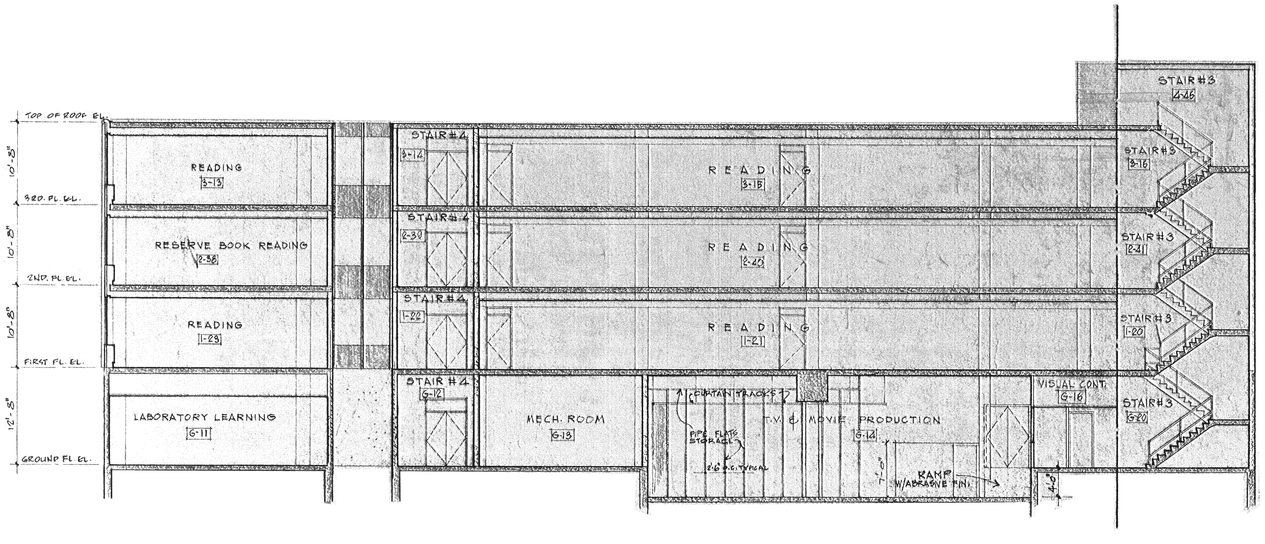
SECTION 3/A-17
SCALE 1/8"=1'



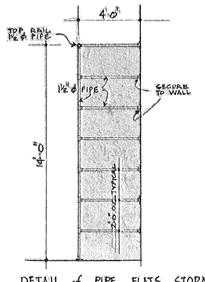
SECTION 4/A-17
SCALE 1/8"=1'



PANEL BEARING @ CONC.
SCALE: 1 1/2" = 1'-0"



SECTION 5/A-17
SCALE 1/8" = 1'



DETAIL of PIPE FLATS STORAGE
SCALE - 1/4" = 1'-0"

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS
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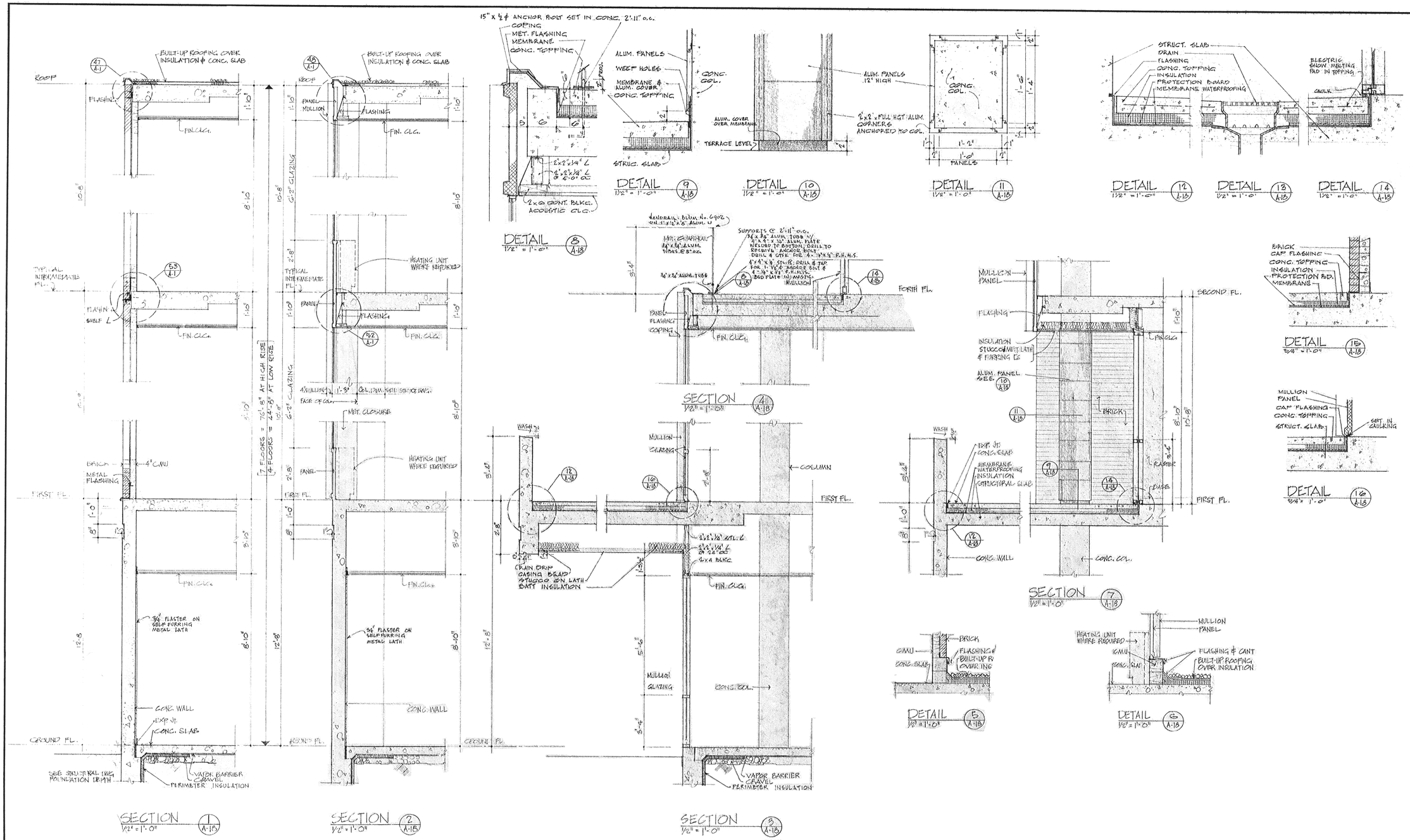
WASHINGTON, D. C.
TAUBER-CONICE ASSOC.
ENGINEERS & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND
SECTIONS, DETAILS

COMM. No. 8-68
DRAWN BY. E.J.B.
CHECKED BY.
DATE APRIL 14, 1970
SHEET No.
A-17
OF 20 SHEETS

R_CT_A-017



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WASHINGTON, D.C.
TABLER-COHEN ASSOC.
MCHENRY & ASSOCIATES
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MECHANICAL & ELECTRICAL ENGINEERS

MONTGOMERY COMMUNITY COLLEGE PHASE-VI

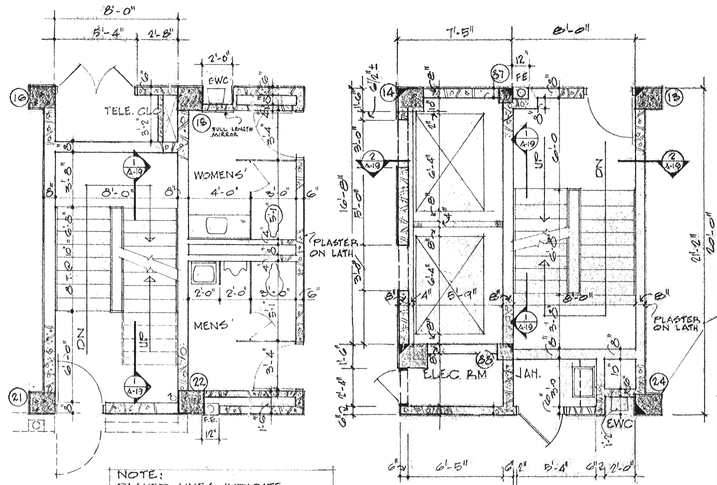
ROCKVILLE MARYLAND

WALL SECTIONS AND DETAILS

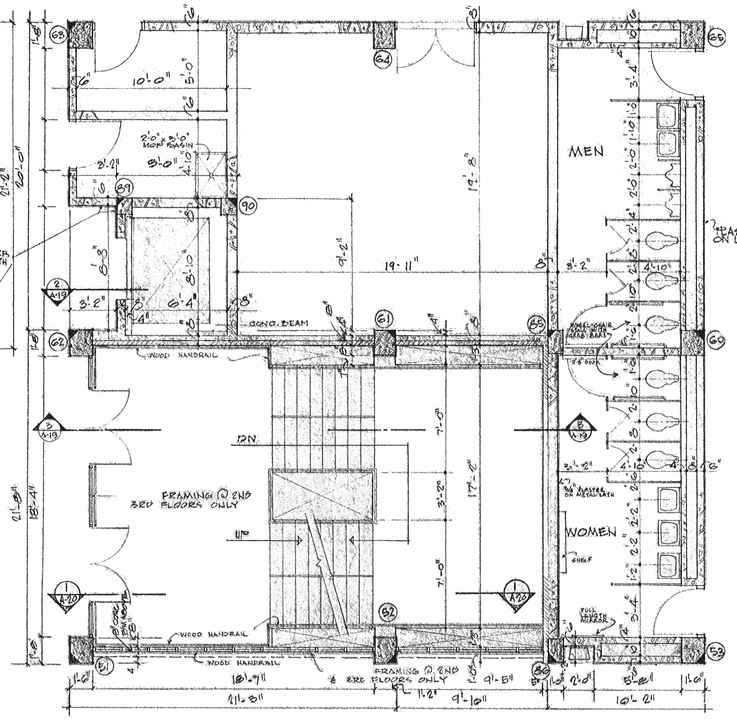
COMM. No. 8-68
DRAWN BY. R.W.
CHECKED BY.
DATE. APRIL 14, 1970

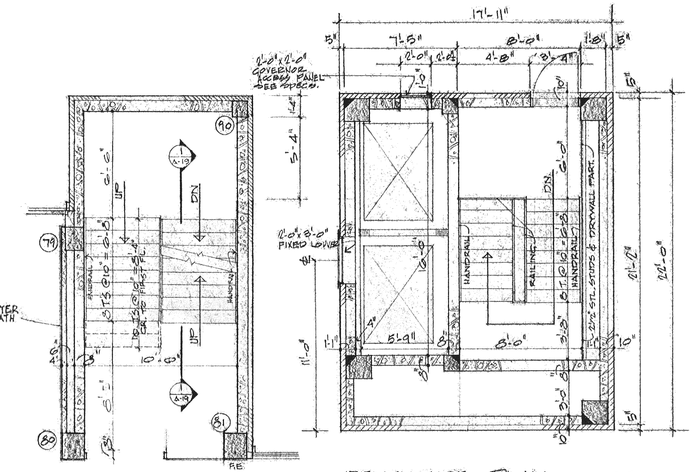
SHEET No.
A-18
20 SHEETS

R_CT_A-018



TYPICAL PLANS
1/4" = 1'-0"

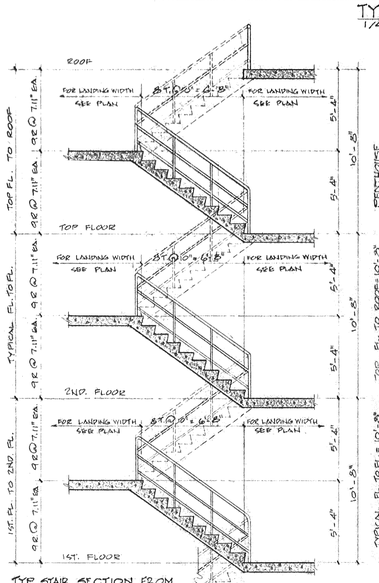




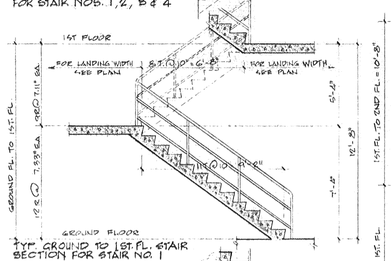
TYP. PLAN STAIR NOS. 3 & 4 (3/A-19)
SCALE 1/4" = 1'-0"

PENTHOUSE PLAN - STAIR # 2
SCALE 1/4" = 1'-0"

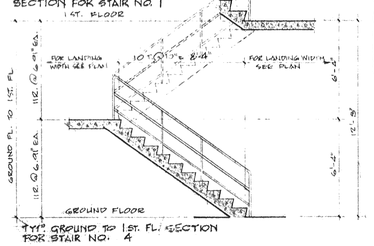
NOTE:
DASHED LINES INDICATE CONDITION @ FIRST FLOOR



TYP. STAIR SECTION FROM 1ST. FL. TO TOP FL. OR ROOF FOR STAIR NOS. 1, 2, 3 & 4

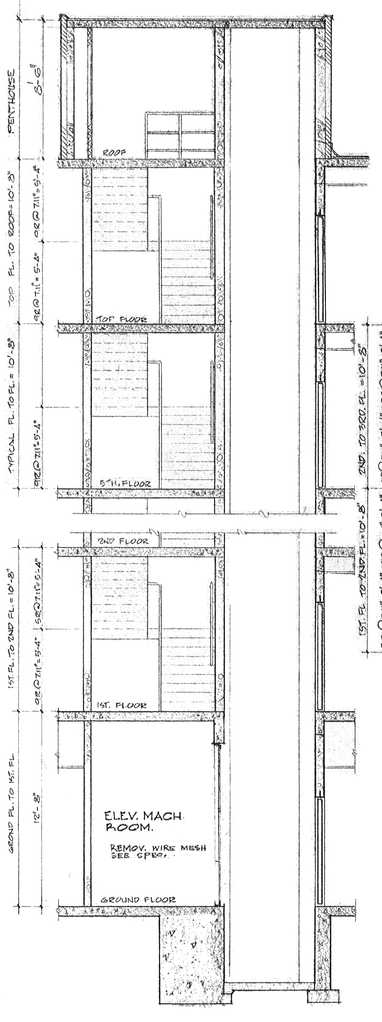


TYP. GROUND TO 1ST. FL. STAIR SECTION FOR STAIR NO. 1

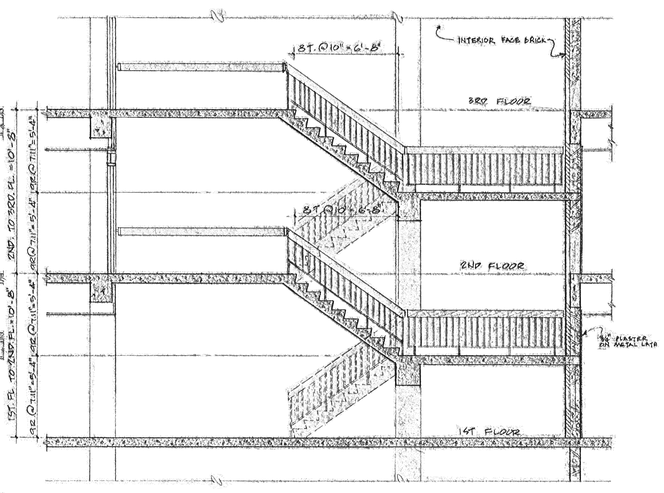


TYP. GROUND TO 1ST. FL. SECTION FOR STAIR NO. 4

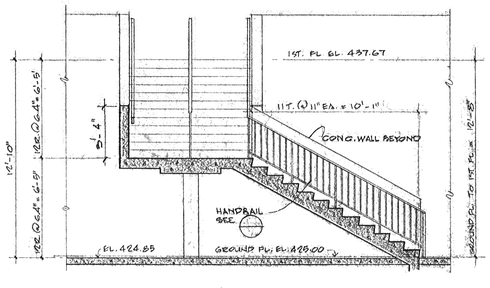
SECTION (1/A-19)
1/4" = 1'-0"



SECTION (2/A-19)
1/4" = 1'-0"

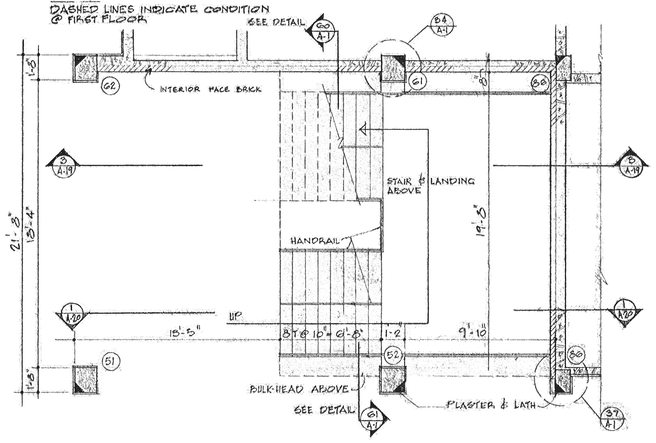


SECTION (3/A-19)
1/4" = 1'-0"

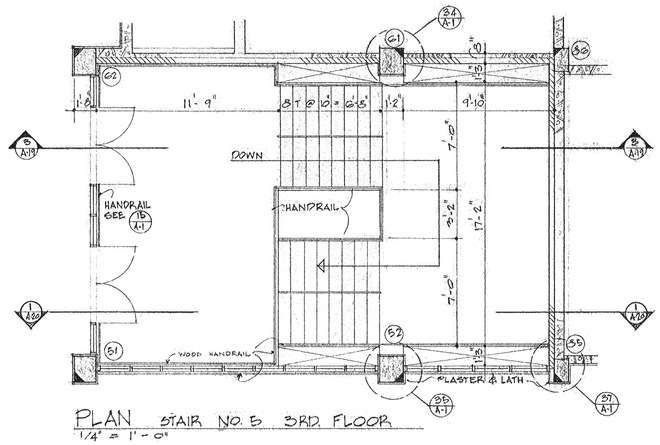


SECTION (4/A-19)
1/4" = 1'-0"

NOTE
THE TREADS OF STAIRS 1, 2, 3, & 4 TO RECEIVE ABRASIVE FINISH



PLAN STAIR NO. 5 FIRST FLOOR
1/4" = 1'-0"



PLAN STAIR NO. 5 3RD. FLOOR
1/4" = 1'-0"

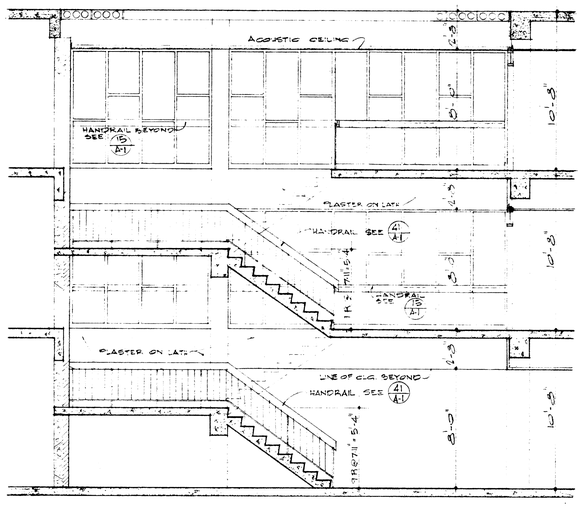
NOTES
1. ALL TOILET ROOM FLOORS TO BE WATERPROOFED
2. ALL MECHANICAL ROOM FLOORS TO BE WATERPROOFED, AND TO RECEIVE CONC. TOPPING SLOPED TO DRAIN
3. ALL G.W.B. TO RECEIVE 3/8" PLASTER ON METAL LATH: EXCEPT STAIRS 1, 2, 3 & 4, JANITOR CLOSETS, MECHANICAL, MAINTENANCE AND STORAGE AREAS UNLESS NOTED OTHERWISE

McLEOD, FERRARA & ENSIGN
ARCHITECTS AIA
1705 DeSALES STREET, N. W.
WASHINGTON, D. C.
JAMES POWER FOSTER
ARCHITECT & ASSOCIATES
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS

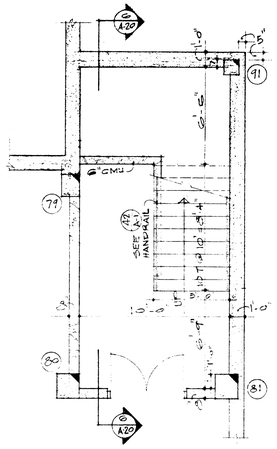
MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE MARYLAND
STAIR DETAILS

COMM. No. 8-68
DRAWN BY. RJD
CHECKED BY.
DATE APRIL 14, 1970
SHEET No. A-19
OF 20 SHEETS

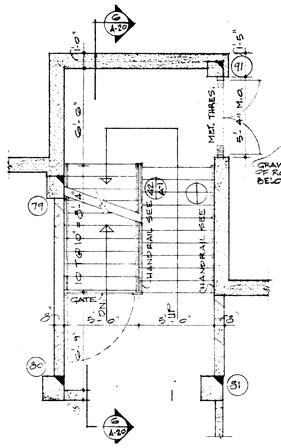
R_CT_A-019



SECTION (1/A-20)
SCALE 1/4" = 1'-0"

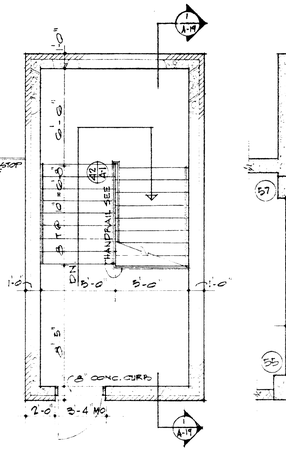


BASEMENT PLAN (2/A-20)
STAIR NO. 3 1/4" = 1'-0"

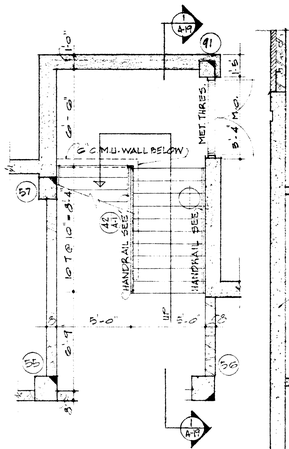


GROUND FL. PLAN (3/A-20)
STAIR NO. 3 1/4" = 1'-0"

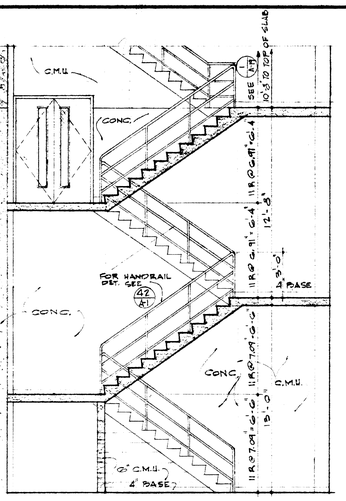
NOTE: FOR TYP. PLAN OF STAIR NOS. 3 & 4 SEE (3/A-19)



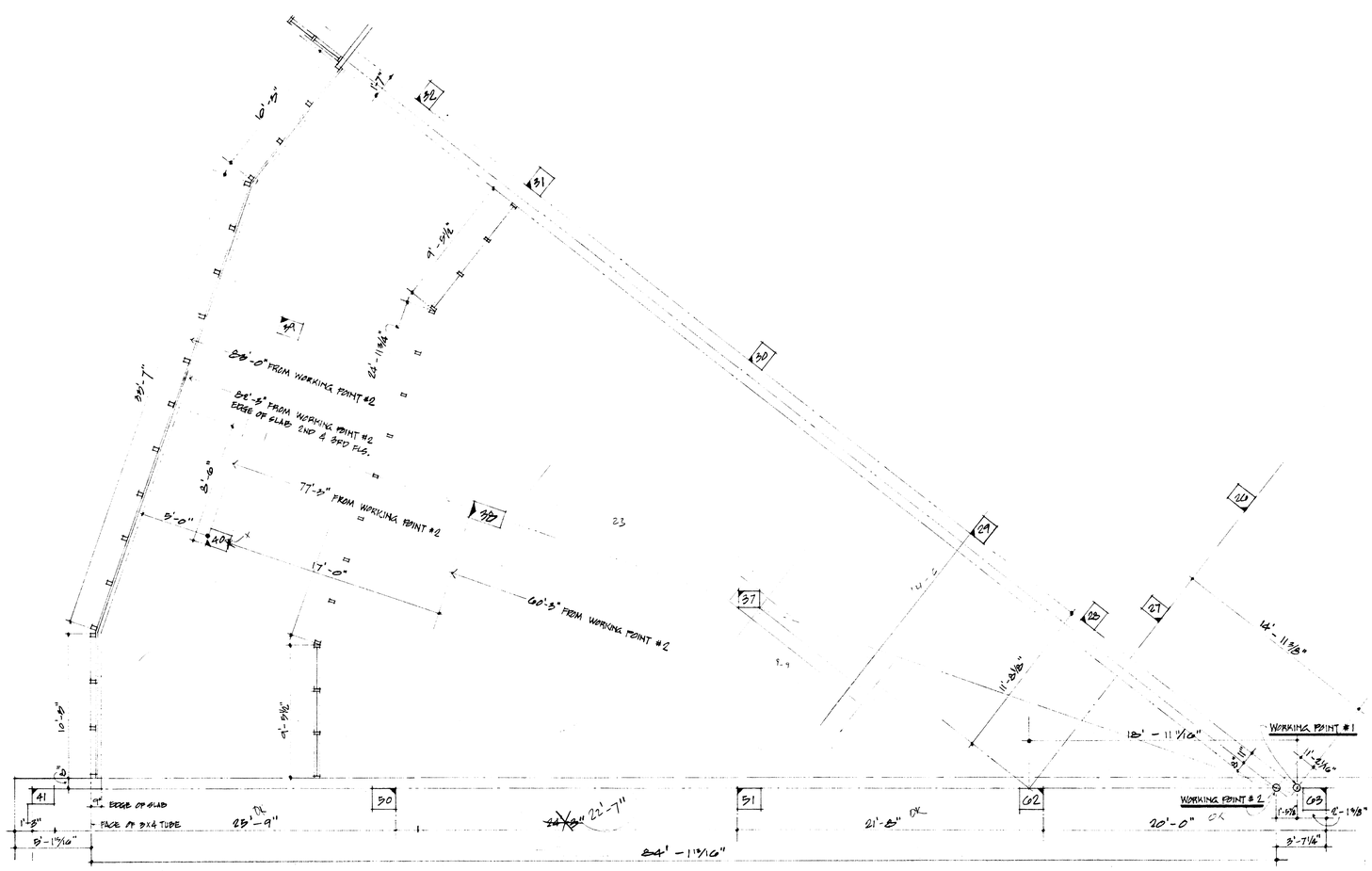
PENTHOUSE PLAN (4/A-20)
STAIR NO. 3 1/4" = 1'-0"



GROUND FL. PLAN (5/A-20)
STAIR NO. 4 1/4" = 1'-0"



SECTION (6/A-20)
1/4" = 1'-0"



LAYOUT OF WORKING POINTS FOR BLDG.
SCALE 1/4" = 1'-0"

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
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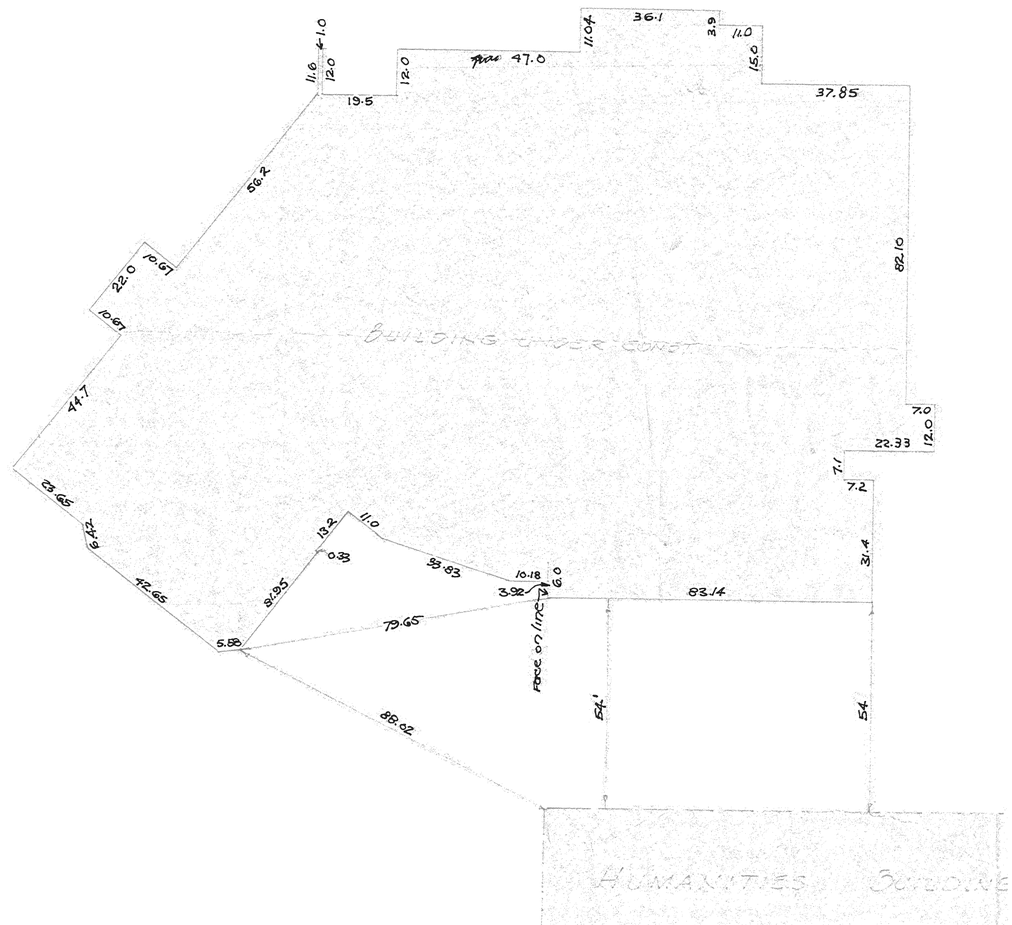
WASHINGTON, D.C.

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
STAIRS & MISCELLANEOUS DETAILS

COMM. No. 8-68
DRAWN BY.
CHECKED BY.
DATE APRIL 14, 1970

SHEET No. A-20
OF 20 SHEETS

R_CT_A-020



SURVEYOR'S CERTIFICATE

I hereby certify that the building, location delineated hereon, has been accurately located by a transit-tape survey, and is shown in relationship to the Humanities Building.

September 20, 1970
November 4, 1970

WALLACE R. AMOS
REG. L.S. MD. NO. 8181

WALLACE R. AMOS AND ASSOCIATES
LAND SURVEYOR'S
9525 GEORGIA AVENUE
SILVER SPRING, MARYLAND
JU. 5-9700

LIBRARY BUILDING LOCATION SURVEY
MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE
MONTGOMERY COUNTY, MARYLAND
SCALE 1"=20' SEPTEMBER 1970

Received Operations & Maintenance
NOV - 9 1970
NOV - 9 1970

EIVED
/ 5 1970
N AND WOOD

R_CT_BLDG-LOCATION-SURVEY(08-72)

MONTGOMERY COMMUNITY COLLEGE
rockville, maryland
phase VI

LIBRARY - LEARNING RESOURCES COMPLEX

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DR. WILLIAM C. STRASSER ____ PRESIDENT
IRVIN H. SCHICK ____ DEAN OF ADMINISTRATION
STANLEY M. DAHLMAN ____ DIRECTOR OF NEW FACILITIES PLANNING

McLEOD, FERRARA & ENSIGN, ARCHITECTS, A.I.A.
1705 de sales street, n.w., washington, d.c.

TADJER - COHEN ASSOCIATES ____ STRUCTURAL ENGINEER
LLOYD - SMITH ASSOCIATES ____ SITE ENGINEERS
BENBASSAT & SPORIDIS CO. ____ MECHANICAL & ELECTRICAL ENGINEERS

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C-2	DETAILS
C-3	DETAILS

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A-5	FIRST FLOOR PLAN
A-6	FINISH SCHEDULE & OPENING SCHEDULE
A-7	SECOND FLOOR PLAN
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E-11	FIFTH FLOOR PLAN LIGHTING
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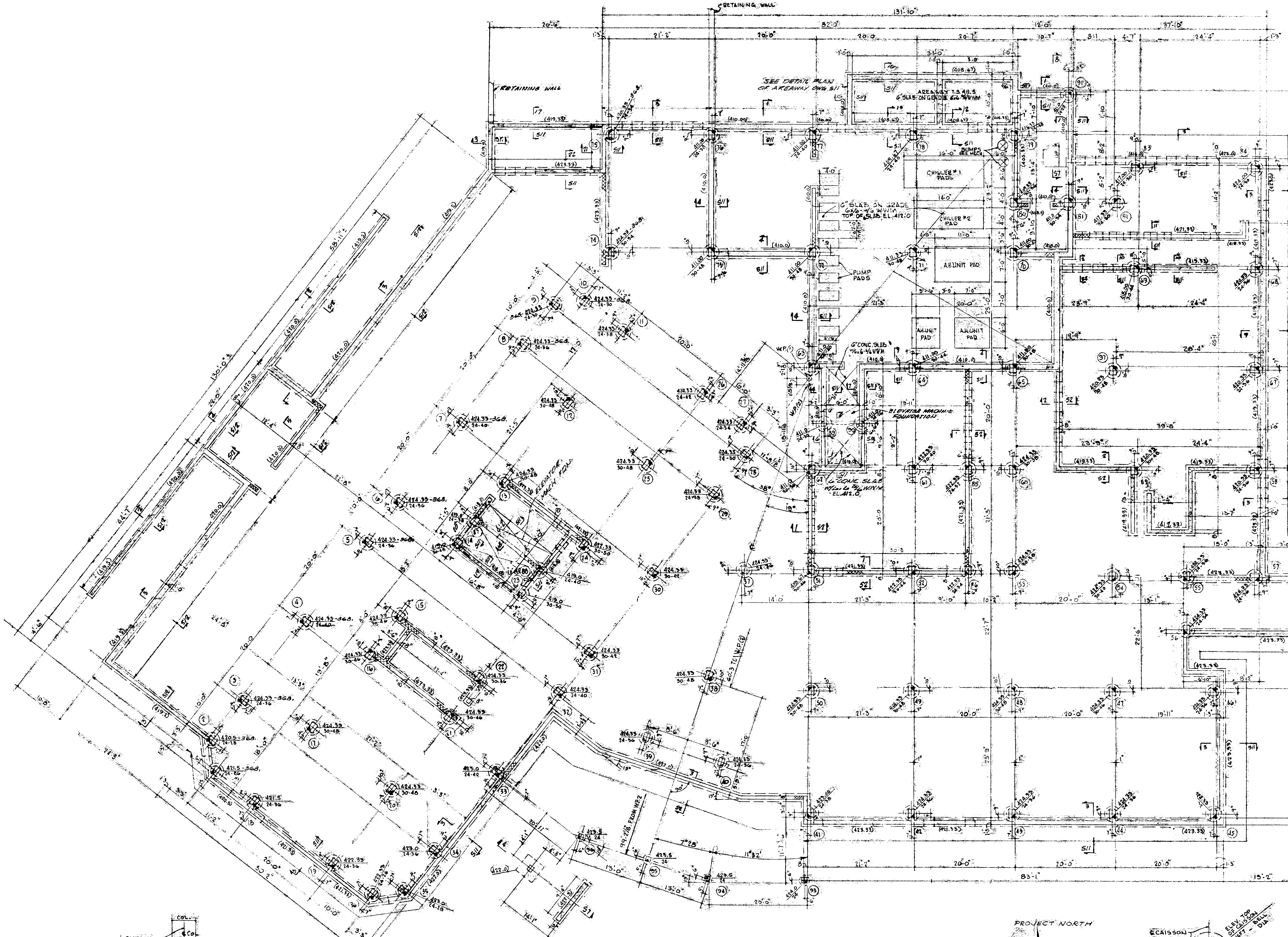
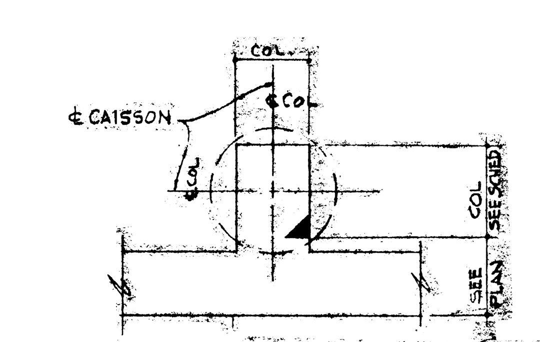
E-13	ELECTRICAL RISER DIAGRAMS & SCHEDULES

115,127 SQUARE FEET — 1,287,682 CUBIC FEET

R_CT_CS-001





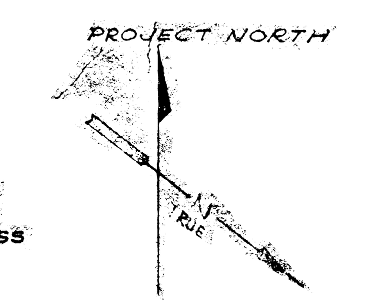
FOR CONCRETE NOTE SEE SECTION G-53

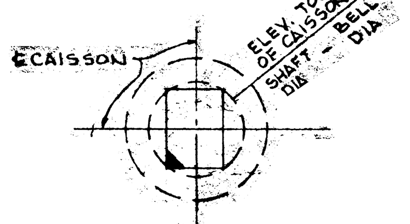
TYPICAL DETAIL EXT. COL. & CONC. WALL

BASEMENT & FOUNDATION PLAN

1/8" = 1'-0"

1- SEE DRG S6 FOR STRUCTURAL NOTES
2- ELEVATIONS SHOWN THUS (423.33) REFER TO ELEVATION BOTTOM OF SPREAD FOOTINGS.
3- ELEVATIONS OF BOTTOM OF ALL CAISSONS TO BE 368.5 UNLESS NOTED.
4- SEE DRG S8 FOR TYPICAL DETAILS.





CAISSON LEGEND

DIMENSIONS REVISED 7-9-70

R_CT_S-001

MONTGOMERY COMMUNITY COLLEGE

ROCKVILLE MARYLAND

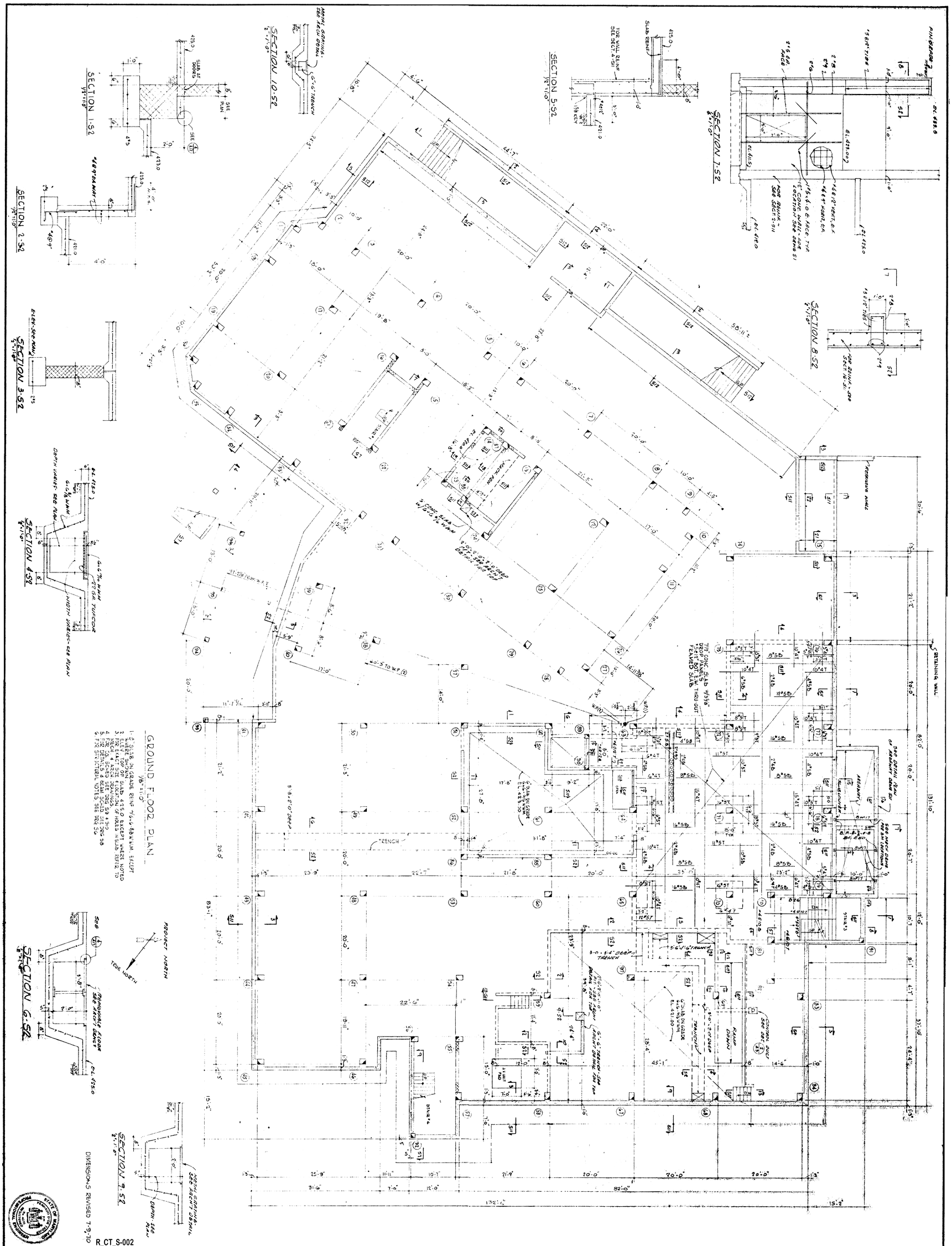
PHASE IV

BASEMENT & FOUNDATION PLAN

McLEOD, FERRARA & ENSIGN ARCHITECTS

DATE 14, April, 1970

S - 1R



MONTGOMERY COMMUNITY COLLEGE

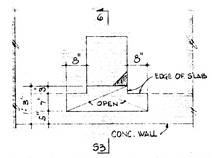
ROCKVILLE, MARYLAND

PHASE-VI

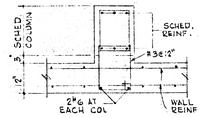
GROUND FLOOR PLAN

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1705 DeSALES STREET, N. W.
WASHINGTON, D. C.
TAMBERGER & ASSOC.
BENGASSET & ASSOCIATES
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS

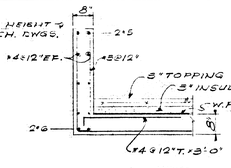
SHEET No. S2 R
DRAWN BY 8-68
CHECKED BY
DATE 14 APRIL 70



TYPICAL MECHANICAL OPENING
AT COL. AT CONCRETE WALL



SECTION 7-S3
1/2" = 1'-0"

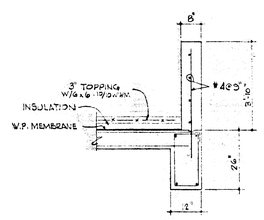


SECTION 8-S3
1/2" = 1'-0"

SECTION 6-S3
1/2" = 1'-0"

FIRST FLOOR FRAMING PLAN
1/8" = 1'-0"

SECTION 5-S3
1/2" = 1'-0"



SECTION 1-S3
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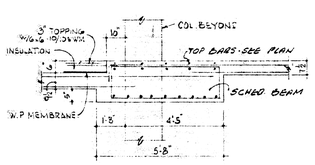
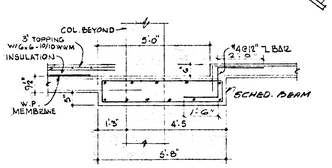
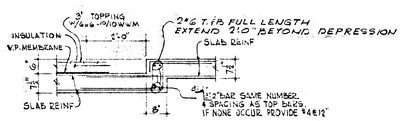


SECTION 2-S3
3/8" = 1'-0"



SECTION 3-S3
3/8" = 1'-0"



SECTION 4-S3
1/2" = 1'-0"

DROP PANELS
A - 6'-8 x 6'-8 x 3 5/8"
B - 6'-8 x 8'-0 x 3 5/8"
C - 6'-6 x 5'-8 x 3 5/8"
D - 5'-8 x 5'-8 x 3 5/8"

1. 7½" REINF. CONC. SLAB, TOP OF SLAB 437.67 EXCEPT WHERE NOTED.
2. OUTER LAYER OF REINF TO BE IN THE NORTH-SOUTH DIRECTION OF THE BLDG.
3. T DENOTES TOP REINF.
4. B DENOTES BOTTOM REINF.
5. PROVIDE #5@12" EA WAY BOT. THRUOUT IN ADDITION TO REINF SHOWN ON PLAN. PROVIDE #5@12" BOT. EA. WAY THRUOUT, IN ADDITION TO REINF SHOWN ON PLAN, FOR TOWER ONLY. SEE PLAN FOR EXTENT.
6. FOR EXACT SIZE & LOCATION OF HOLES IN SLAB, REFER TO MECH. & ARCH DRAWINGS.
7. FOR COL. SCHED., SEE DRG S3 & S10.
8. FOR DETAILS & BEAM SCHED. SEE DRG S8.
9. FOR STRUCTURAL NOTES, SEE DRG S6.

PROJECT NORTH
TRUE NORTH

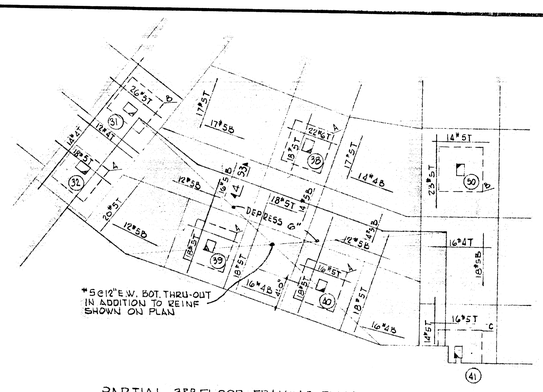
McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1700 DECKALES STREET, N.W.
WASHINGTON, D.C.
TEL: 202-296-2878 296-9010
BIRMANSTY, MARYLAND

MONTGOMERY COUNTY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
FIRST FLOOR FRAMING PLAN

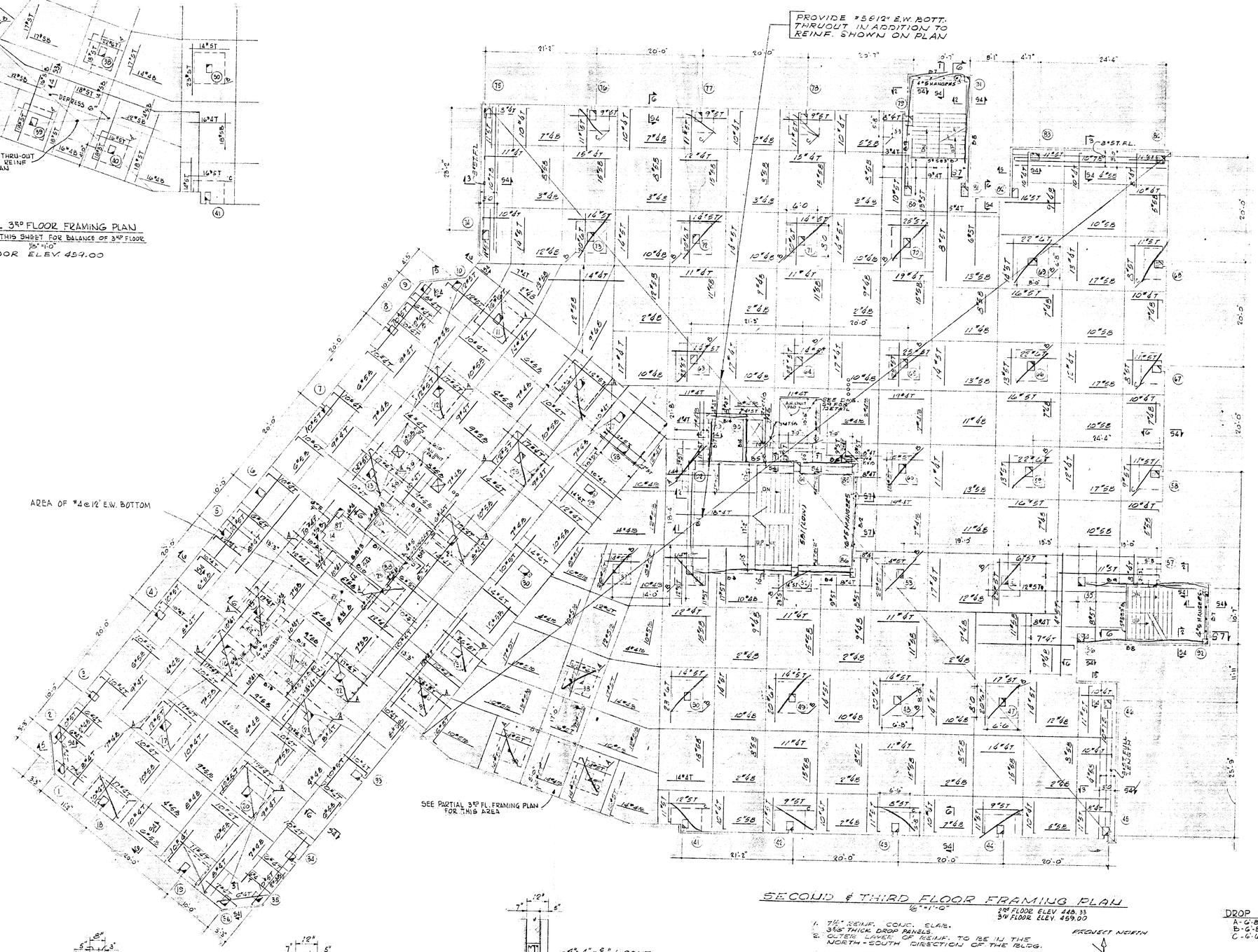
R_CT_S-003

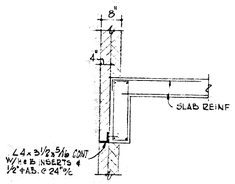
COMM. No. 8-66
DRAWN BY.
CHECKED BY.
DATE. 14 APRIL 70

SHEET No. S3
OF SHEETS

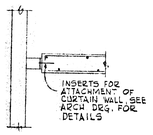


PARTIAL 3RD FLOOR FRAMING PLAN
SEE PLAN THIS SHEET FOR BALANCE OF 3RD FLOOR
1/8" = 1'-0"
3RD FLOOR ELEV. 459.00

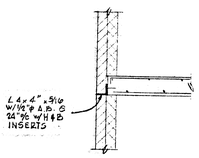




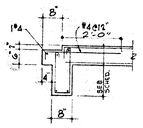
SECTION 7-S4
1/2" = 1'-0"



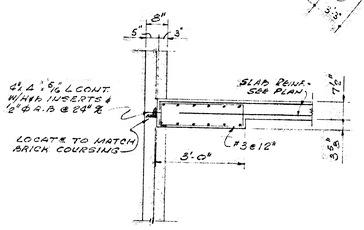
SECTION 6-S4
1/2" = 1'-0"



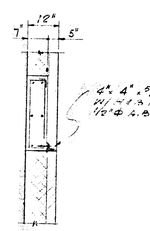
SECTION 5-S4
1/2" = 1'-0"



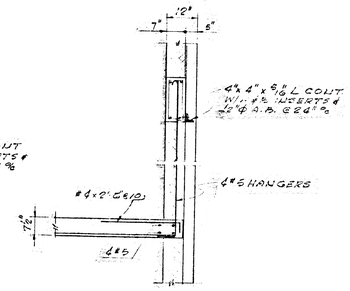
SECTION 4-S4
1/4" = 1'-0"



SECTION 3-S4
SCALE 1/2" = 1'-0"



SECTION 2-S4
SCALE 1/2" = 1'-0"



SECTION 1-S4
SCALE 1/2" = 1'-0"

SECOND & THIRD FLOOR FRAMING PLAN
1/8" = 1'-0"
2ND FLOOR ELEV. 448.33
3RD FLOOR ELEV. 459.00

1. 7 1/2" REINF. CONC. ELAB. 3 5/8" THICK DROP PANELS.
2. OUTER LAYER OF REINF. TO BE IN THE NORTH - SOUTH DIRECTION OF THE BLDG.
3. T DENOTES TOP REINF.
4. B DENOTES BOTT. REINF.
5. PROVIDE *5@12" E.W. BOT. THRUOUT (INCLUDING STAIR LANDINGS) IN ADDITION TO REINF. SHOWN ON PLAN AT LIBRARY BLDG. ONLY.
6. PROV. DE *4@12" E.W. BOT. THRUOUT, INCLUDING STAIR LANDINGS, IN ADDITION TO REINF. SHOWN ON PLAN FOR TOWER BLDG. ONLY. SEE PLAN FOR EXTENT.
6. FOR EXACT SIZE & LOCATION OF HOLES IN SLAB, REFER TO MECH. & ELECT. DRAWINGS.
7. FOR COL. SCHED. SEE DRG S9 & S10
8. FOR DETAILS & BEAM SCHED. SEE DRG S8
9. FOR ARCHITECT. NOTES SEE DRG S0
10. PROVIDE 1 5/8 ϕ CONT. WELDING PERIMETER OF BLDG.

DROP PANELS
A - 6'-8" x 6'-8" x 3 5/8
B - 6'-8" x 8'-0" x 3 5/8
C - 6'-6" x 5'-8" x 3 5/8

PROJECT NORTH
TRUE NORTH

R. CT. S-004

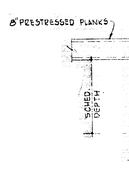
STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER

McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1726 DASHIELS STREET, N.W.
WASHINGTON, D.C.
TEL. 202-333-4000
HERMANSEN & ASSOCIATES

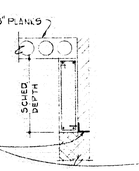
MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND
SECOND AND THIRD FLOOR FRAMING PLAN

COMM. No. 8-03
DRAWN BY.
CHECKED BY.
DATE. 14 APRIL '70

SHEET No. S-1
OF SHEETS



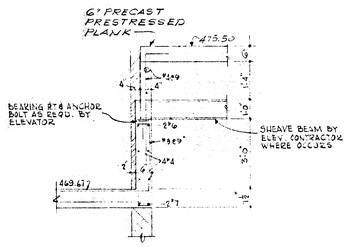
SECTION 7-55
1/2" = 1'-0"



SECTION 8-55
1/2" = 1'-0"

SECTION 9-55
1/2" = 1'-0"

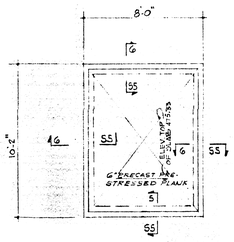
STAIR #3
ROOF FRAMING PLAN
ELEV. TOP OF PLANK 475.17



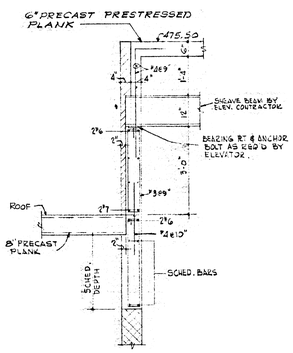
SECTION 6-55
1/2" = 1'-0"

SECTION 10-55
1/2" = 1'-0"

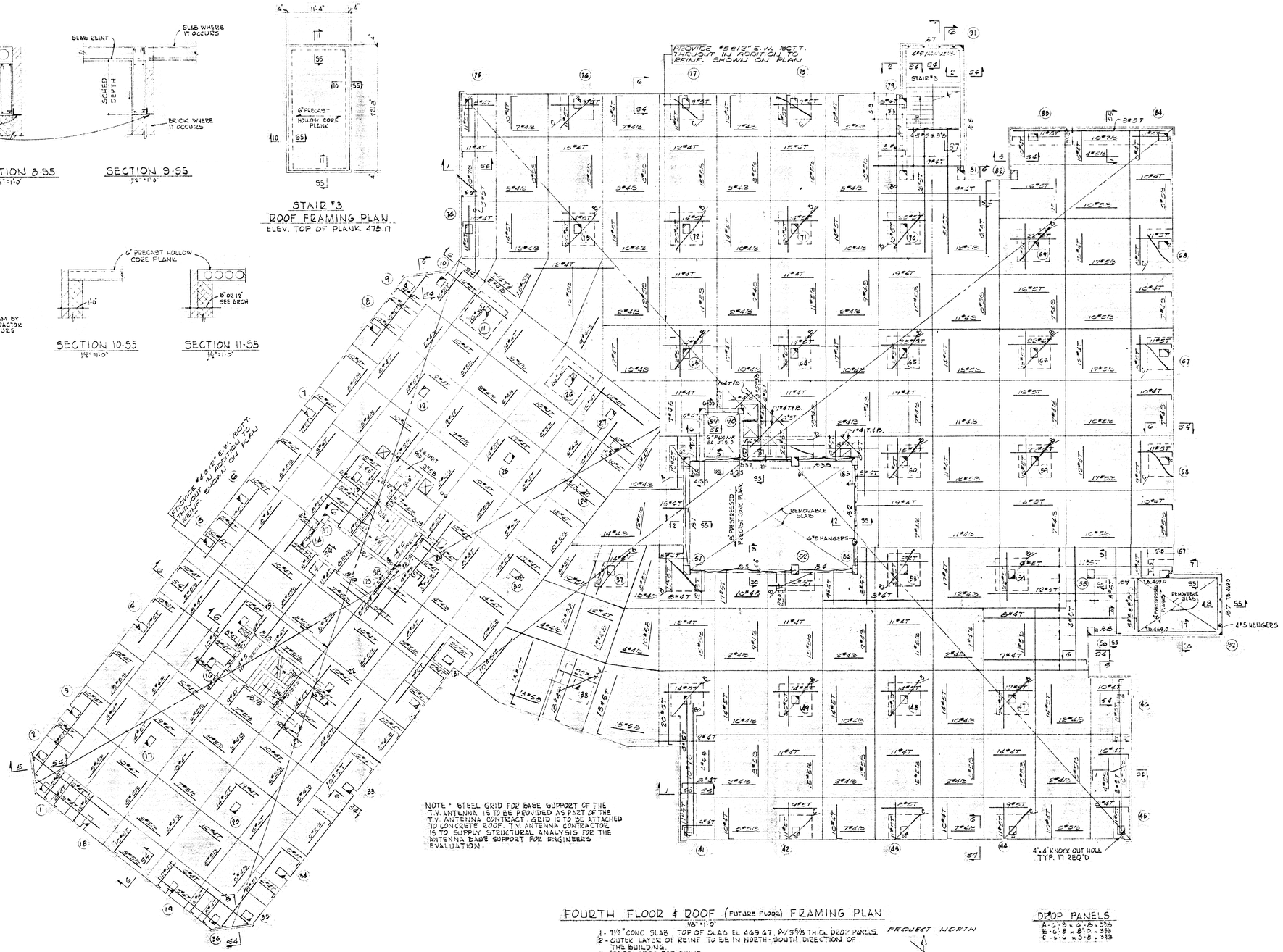
SECTION 11-55
1/2" = 1'-0"



LIBRARY ELEVATOR ROOF FRAMING PLAN
1/4" = 1'-0"



SECTION 5-55
1/2" = 1'-0"

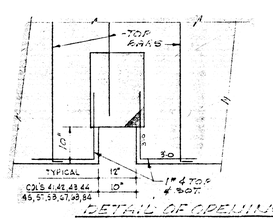


FOURTH FLOOR & ROOF (FUTURE FLOOR) FRAMING PLAN
1/8" = 1'-0"

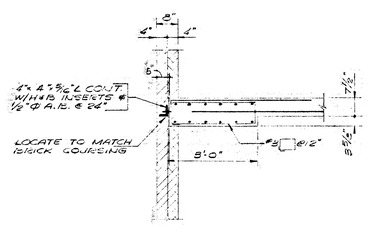
1 - 7½" CONC. SLAB. TOP OF SLAB EL 469.67. W/ 3⅝ THICK DROP PANELS.
2 - OUTER LAYER OF REINF TO BE IN NORTH-SOUTH DIRECTION OF THE BUILDING.
3 - "T" DENOTES TOP REINF.
4 - "B" DENOTES BOT. REINF.
5 - FOR EXACT SIZE & LOCATION OF HOLES IN SLAB, REFER TO MECH. & ARCH. DRAWINGS.
6 - FOR COL. SCHED. SEE DRG S9 & S10
7 - FOR DETAILS & BEAM SCHED. SEE DRG S8.
8 - FOR STRUCTURAL NOTES SEE DRG S6.
9 - PROVIDE 1#5 T & B CONT. WOUND PERIPHERY OF BLDG

DROP PANELS
A-2.5'-0" x 2'-8" x 3⅝"
B-5'-0" x 8'-0" x 3⅝"
C-5'-0" x 3'-0" x 3⅝"

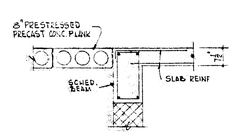
PROJECT NORTH
TRUE NORTH



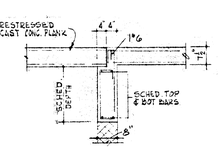
DETAIL OF OPENING IN SLAB @ EXTERIOR COLUMNS



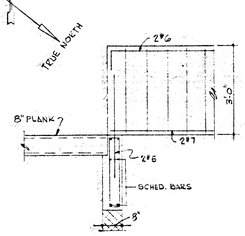
SECTION 1-55
1/2" = 1'-0"



SECTION 2-55
1/2" = 1'-0"



SECTION 3-55
1/2" = 1'-0"



SECTION 4-55
1/2" = 1'-0"

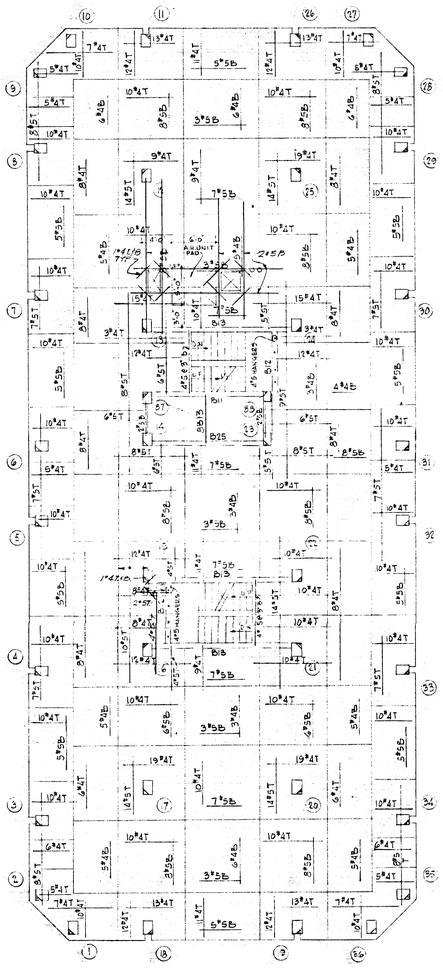
McLEOD, FERRARA & ENSIGN
ARCHITECTS A.I.A.
1705 DECKLES STREET, N.W.
WASHINGTON, D.C.
TAYLOR-GOSHIN ASSOC.
STRUCTURAL & MECHANICAL ENGINEERS

MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND
FOURTH FLOOR AND ROOF FRAMING PLAN

COMM. No. 8-66
DRAWN BY.
CHECKED BY.
DATE. 14 April '70

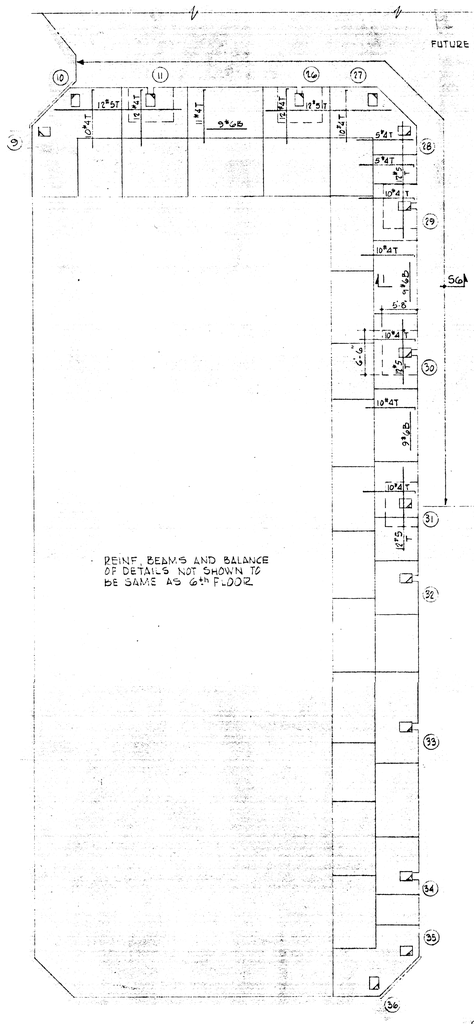
SHEET No. S5 OF SHEETS

R_CT_S-005



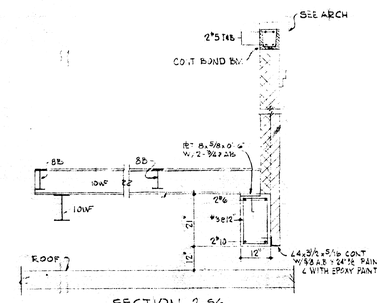
SIXTH FLOOR FRAMING PLAN
1/8" = 1'-0"

1- 7½" CONCRETE SLAB. ELEV. TOP OF SLAB 491.00
2- PROVIDE #4@12" EACH WAY BOTTOM REINFORCEMENT THRU-OUT IN ADDITION TO REINFORCEMENT SHOWN ON PLAN, (INCLUDING STAIR LANDING).
3- "B" DENOTES BOTTOM REINF.
4- "T" DENOTES TOP REINF.
5- OUTERMOST TOP & BOTTOM REINF. IN N-S DIRECTION.
6- FOR EXACT SIZE AND LOCATION OF HOLES IN SLAB, REFER TO MECH. & ARCH. DWG.
7. FOR COLUMN SCHEDULE, SEE DWG. S9 & S10.
8. FOR DETAILS & BEAM SCHEDULE SEE DWG. S8.
9. FOR STRUCTURAL NOTES, SEE DWG. S6.
10. PROVIDE 1"ϕ T&B CONT AROUND PERIPHERY OF BLDG.

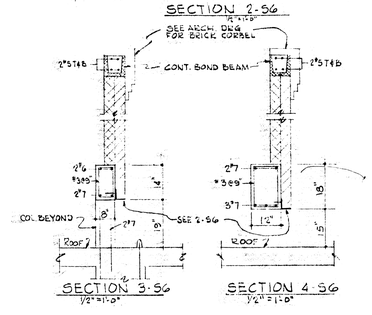


FIFTH FLOOR FRAMING PLAN
1/8" = 1'-0"

1- FOR NOTES SEE SIXTH FLOOR
2- ELEV. TOP OF SLAB 480.33



SECTION 2-S6
1/2" = 1'-0"



SECTION 3-S6
1/2" = 1'-0"

SECTION 4-S6
1/2" = 1'-0"

STRUCTURAL NOTES

SOIL VALUE - Spread footings ..... 4,000 psf.
Caissons ..... 8,000 psf.

FOUNDATIONS - All footings shall project at least 1'-0" into undisturbed natural soil having a bearing value at least equal to that specified above. Bottoms of all exterior footings shall be at least 3'-6" below finished grade. Wall footings shall be 12 inches deep and project 6 inches beyond each face of wall. Elevations of bottoms of footings have been established from available information, and shall not be construed as waiving any of the minimum requirements stated above. All disturbed earth under footings shall be replaced with concrete. All bearing strata shall be adequately drained before foundation concrete is placed.

CAISSONS - A test boring shall be made with an air drill at the bottom of every 48 caisson for 5 ft. depth to determine the uniformity of the rock. A record shall be kept of each sampling, including the column number. The assumed bottom elevation as shown on the foundation plan was determined from available information and shall not be construed as waiving any of the minimum requirements stated above. A soil boring report is available. PROVIDE #4@ VERT REINF. AND #3@12"O.C. SQUARE TIES FOR CAISSONS OVER 40 FT. LONG.

LIVE LOADS - 1st, 2nd, & 3rd Floors..... 150 psf.
Present roof over library (Future 4th Floor)..... 150 psf.
4th, 5th, & 6th Floors Tower Building..... 60 psf. + 20 psf. partition
Roof of Tower Building (future 7th Floor)..... 60 psf. + 20 psf. partition
Stairs..... 100 psf.
Terrace..... 100 psf.

CONCRETE - All concrete shall conform to ACI Building Code requirements for reinforced concrete, 1963 edition. Fine aggregate for all concrete shall be natural sand conforming to ASTM C-33. All exposed concrete to contain 4-5% air entraining agent. (See specifications). Concrete strength at 28 days shall be as follows:

f'c = 3,000 psi. for all reinforced frame floors, stairs, spread footings, caissons slab on grades, columns where shown on the schedule.
f'c = 4,000 psi. for columns, see column schedules for locations.
CONCRETE WALLS POURED TOGETHER WITH COLUMNS TO BE 4,000 P.S.I. AROUND COLUMN

REINFORCEMENT - All reinforcing steel except stirrups and column ties to be high strength new billet steel conforming to ASTM-A615 GRADE 60 . Stirrups and ties to be intermediate grade new billet steel conforming to ASTM A615 GRADE 40 . Deformations to conform to ASTM A305-56T. Welded wire mesh to conform to ASTM A185. Fabricate and provide standard supporting accessories in accordance with the ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures ACI 315-65.

CONCRETE PROTECTION FOR REINFORCEMENT - Reinforcing bars and mesh to have a minimum concrete cover as follows:
1) Footings and other concrete poured against earth - 3".
2) Formed concrete exposed to earth - 1½".
3) Beams and columns - 1½".
4) Slabs - ¾".
5) Interior faces of wall - 1".
6) Slabs on ground, unless otherwise noted to have reinforcement at mid-depth.

SLABS ON GRADE - Except where otherwise noted, shall be 5" thick, reinforced with 6 x 6-8/8 W.W.M. Lap mesh 6" in each direction. For all exterior slabs on grade air entrained cement with entrained air of 4% or equivalent air entraining agent shall be used. Provide control joints at 20'-0" O.C. each way in all exterior slabs on grade. Pour all interior slabs on grade in checkerboard pattern with approximately 600 S.F. per bay and construction joint at 30'-0" O.C. Slabs shall be laid on a layer of 6 mil polyethylene, over a 4" layer of washed gravel.

LINTELS - Unless otherwise indicated, provide loose angle lintels as follows with one angle for each 4" of masonry with the 3½" leg horizontal:
Openings to 4'-0"..... 3 x 3½ x 5/16
Openings 4'-1" to 6'-0"..... 4 x 3½ x 5/16
Openings 6'-1" to 8'-5"..... 6 x 3½ x 5/16
Steel lintels shall have 6" bearing each end.
When openings exceed 8'-5" or turn corners, provide supports for lintels as shown on drawings. When not otherwise shown on plans, provide BRF 17 with 5/16" suspended plate where openings are in excess of 8'-0". Provide precast lightweight concrete lintels for all openings and recesses in concrete masonry unit walls: one 4" x 8" lintel for each 4 inches of wall thickness. (for 6 inch thick walls provide one lintel unit 6" x 8"). Reinforce each lintel unit with one #5 bar top and one #5 bar bottom, with #2 tie bars spaced at 8 inches on center. Concrete lintel units shall have 8 inches minimum bearing at ends. SEE NOTE BELOW

DOVETAIL ANCHOR SLOTS - Shall be 2'-0" O.C. where masonry abuts or faces concrete. Provide anchors into masonry @ 1'-4" O.C.

WALL PROPPING - Extreme care and proper preventative measures must be taken so as not to damage, bulge, or tip walls due to equipment and/or earth pressure. Shoring, back-propping or other suitable methods of protection shall be employed until the full load of the building is on the walls.

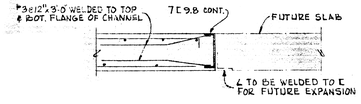
BACKFILL - Shall not be placed against walls until slabs on grade and framed floor plans have been poured and reached their design strength and approval received from Architect. Where backfill is required on both sides of walls, backfill both sides simultaneously.

SUMP PUMPS - Are to be provided during construction, and after construction left as permanent pumps as required by field conditions. The size and location of the sump pumps are to be determined in the field based on the amount of water encountered during construction. After construction is completed, the sump pumps should be of capacity to maintain the water elevation below the lowest slab on grade.

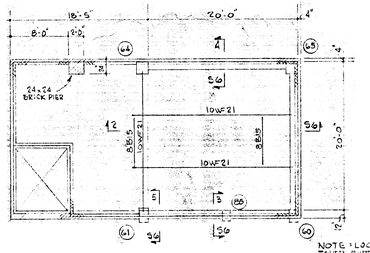
This project designed by Ultimate Strength Analysis.

LINTELS - INDICATE 3½" OUTSTANDING LEG FOR ALL ANGLE LINTELS. BEARING FOR STEEL BEAM LINTELS TO BE 8". ALL PRECAST LINTELS TO CONFORM TO ACI 711 WITH f'c = 2,500 PSI CONCRETE. MAXIMUM SPAN 7 FEET

PRECAST PRESTRESSED HALLOW CORE MEMBERS - CONCRETE STRENGTH MINIMUM 5,000 P.S.I. AT 28 DAYS. PRESTRESS STEEL TO BE f'y = 250,000 K.S.I. MEMBERS TO SUPPORT MINIMUM LIVE LOAD OF 40 P.S.F.

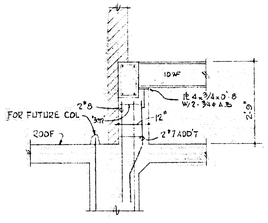


SECTION 1-S6
1" = 1'-0"

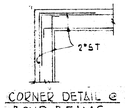


COOLING TOWER FRAMING PLAN
1/8" = 1'-0"

NOTE: LOCATION OF COOLING TOWER SUPPORT BMS TO BE COORDINATED WITH MECH. CONTRACTOR.



SECTION 5-S6
1/2" = 1'-0"



CORNER DETAIL @ BOND BEAMS

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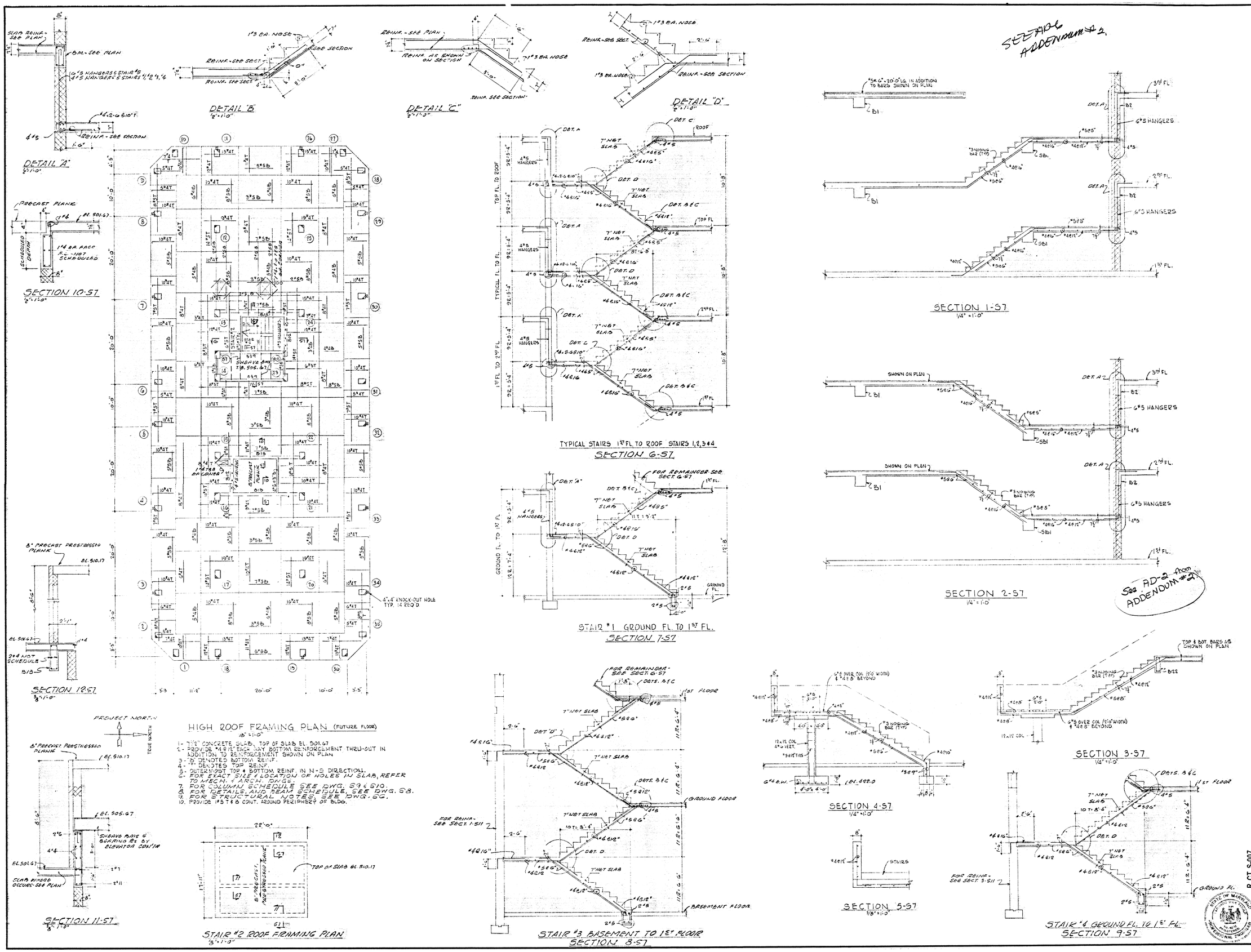
ENGINEERS & ARCHITECTS

MONTGOMERY COMMUNITY COLLEGE PHASE-VI
ROCKVILLE, MARYLAND
FIFTH AND SIXTH FLOOR FRAMING PLANS AND STRUCTURAL NOTES

COMM. No. 8-68
DRAWN BY.
CHECKED BY.
DATE 14 APRIL 70
SHEET No. S6 OF SHEETS

R.C.T. S-006



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MONTGOMERY COMMUNITY COLLEGE PHASE-VI

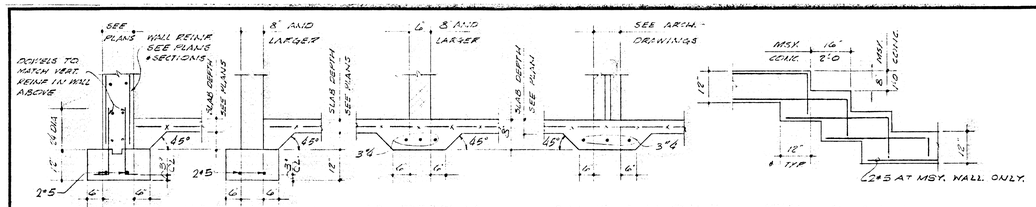
ROCKVILLE, MARYLAND

HIGH ROOF FRAMING PLAN AND SECTIONS

COMM. No. 3-68
DRAWN BY.
CHECKED BY.
DATE. 14 APRIL '72

SHEET No. S7 OF

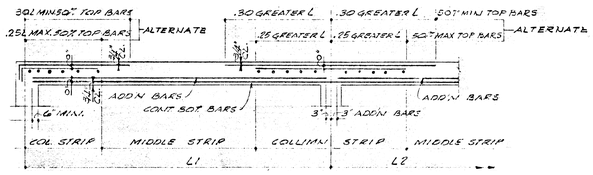
R_CT_S-007



CONCRETE | EXTERIOR MASONRY | INTERIOR MASONRY | INTERIOR MASONRY | STEPPED FOOTINGS

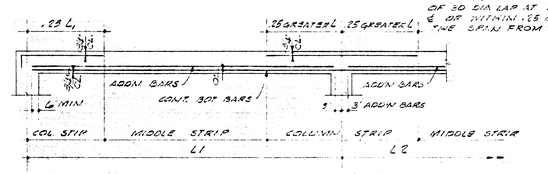
TYPICAL WALL FOOTING DETAILS

UNLESS OTHERWISE SHOWN ON THE DRAWINGS

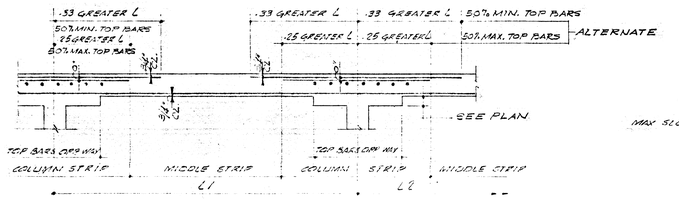


TYPICAL FLAT SLAB COLUMN STRIP

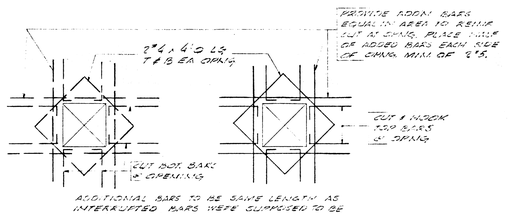
NOTE: CONTINUOUS BOT. BARS ARE TO BE SPLICED WITH A MIN. OF 30 DIA. LAP AT THE COL. & OF ADDING 25 OF THE SPAN FROM THE COL.



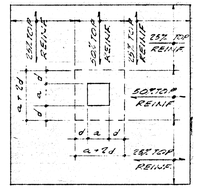
TYPICAL FLAT SLAB MIDDLE STRIP



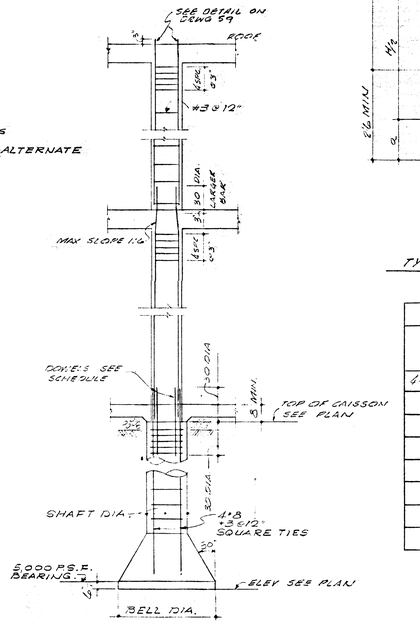
TYPICAL FLAT SLAB COLUMN STRIP WITH DROP PANELS



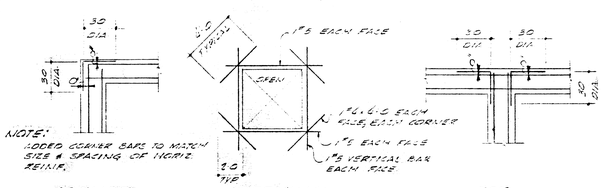
TYPICAL REINF. DETAIL AT OPNGS IN FLAT SLAB



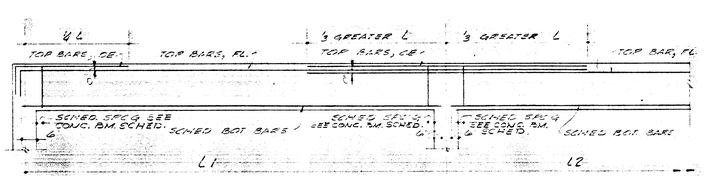
TYPICAL PLAN OF TOP BARS IN COLUMN STRIP



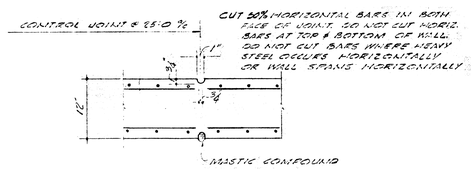
TYPICAL COL. & CAISSON DETAIL



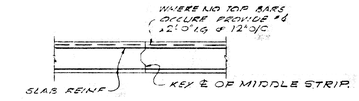
TYPICAL CONCRETE REINFORCEMENT DETAILS



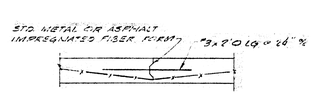
TYPICAL CONCRETE BEAM DETAIL



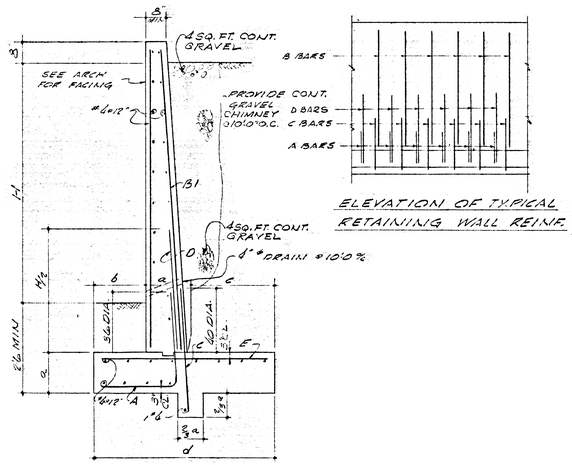
TYPICAL CONTROL JOINT DETAIL FOR CONC. WALLS



TYPICAL SLAB CONSTRUCTION JOINT



CONTROL JOINT FOR SLAB ON GRADE



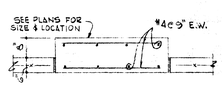
TYPICAL CONC. RETAINING WALL

ELEVATION OF TYPICAL RETAINING WALL REINF.

CONCRETE RETAINING WALL SCHEDULE

H	CONCRETE DIMENSIONS				REINFORCEMENT				
	a	b	c	d	A	B	C	D	E
4'-0 OR LESS	1'-0	0'-6	1'-8	3'-2	#6@12				#6@12
5'-0	1'-0	1'-0	1'-9	3'-9	#6@12				#6@12
6'-0	1'-2	1'-3	2'-1	4'-6	#6@12				#6@12
7'-0	1'-3	1'-6	2'-6	5'-3	#6@16	#6@16	#6@16	#6@16	#6@10
8'-0	1'-4	1'-9	2'-10	5'-11	#6@16	#6@16	#6@16	#6@16	#6@16
9'-0	1'-5	2'-0	3'-3	6'-8	#5@18	#5@18	#5@18	#5@18	#5@10
10'-0	1'-6	2'-2	3'-8	7'-4	#5@16	#5@16	#5@16	#5@16	#5@7

TYPICAL MECHANICAL EQUIPMENT PAD EXCEPT FOR CHILLER UNIT



TYPICAL PAD FOR CHILLER ON SLAB ON GRADE

CONCRETE BEAM SCHEDULE

MARK	SIZE W	SIZE D	BOTTOM BARS STRAIGHT	TOP BARS FL.	TOP BARS END	TOP BARS LOC.	STIRRUPS SIZE & TYPE	STIRRUPS NO.	STIRRUPS SPACING	DETAIL	REMARKS
B1	16	22	3#10 1#9	2#6			3	D	EE		16@3, 6@6, 6@9, R@12
B2	8	22	2#11	2#6			3	D	EE		9@6, 6@6, 3@9, R@12
B3	8	26	2#9	2#9			3	D	EE		8@6, 6@9, R@12
B4	8	26	2#7	FROM B3			3	D	EE		EXT. 2#9 FL. THRUOUT B4
B5	8	26	2#9	2#9			3	D	EE		8@6, 6@9, R@12
B6	8	26	2#7	FROM B5			3	D	EE		EXT. 2#9 FL. THRUOUT B6
B7	7½	18	2#6	2#5			3	D	EE		6@6, 3@9, R@12
B8	7½	30	2#10	2#6			3	D	EE		3@6, 6@6, 3@9, R@12
B9	7½	34	2#8	2#11			3	D	EE		6@6, 3@9, R@12
B10	8	20/18	1#11 1#10	2#6			3	D	EE		6@6, 6@6, 3@9, R@12
B11	8	18	1#5 1#7	2#7			3	D	EE	EXT. CONT.	6@6, 3@9, R@12 EXT. TOP & BOT. BARS THRU CONT.
B12	8	18	2#6	2#5			3	D	EE		6@6, 3@9, R@12
B13	8	26	2#10	2#6			3	D	EE		6@6, 6@6, 6@9, R@12
B14	8	16	2#6	2#6			3	D	EE		3@6, 6@6, 3@9, R@12
B15	8	16	2#6	2#6			3	D	EE		3@6, 6@6, R@12
B16	8	18	1#8 1#7	2#8			3	D	EE		6@6, 3@9, R@12
B17	8	16/6	2#6	2#6			3	D	EE		3@6, 6@6, R@12
B18	16	26	2#9 2#10	2#6			3	D	EE		10@6, 6@9, R@12
B19	12	26	2#11	2#7			3	D	EE		8@6, 4@9, R@12 EXT. 2#7 TOP TO MID-SPAN AT B20 BEND BARS AT COL. 94
B20	12	26	2#7	2#7			3	D	EE		8@6, 3@9, R@12 EXT. 2#7 FL. TOP TO MID-SPAN OF B20 LAP WITH BARS FROM B19 & EXT TO MID-SPAN OF B21
B21	12	26	2#7	FROM B20 & B22			3	D	EE		6@6, 6@9, R@12
B22	12	26	3#11	2#8			3	D	EE		10@6, 6@9, R@12 EXT. 2#8 FL. TOP TO MID-SPAN OF B21 LAP WITH BARS FROM B20 BEND BARS OVER COL. 96
B23	18	35½	SEE	SECTION	6-5/12						
B24	8	26	2#8	2#5			3	D	EE		6@6, 3@9, R@12
B25	8	20/18	2#7	2#6			3	D	EE		2@6, 6@6, 3@9, R@12
B26	8	26	1#8 1#7	2#8			3	D	EE		6@6, 6@6, 6@9, R@12
B27	8	26	2#7	FROM B26			3	D	EE		6@6, 6@9, R@12
B28	12	36	2#10 2#9	2#7			3	D	EE		18@6, 8@6, 6@9, R@12 PROVIDE 3#2 (REACH FACE) AT MID DEPTH OF BEAM
B29	6.5	20½	6#6	5#6	1#7	COL. 3	3	D	EE		9@6, 6@9, R@12
B30	6.5	20½	9#6	5#6	3#7	COL. 6	3	D	EE		9@6, 6@9, R@12
B31	6.5	14½	9#6	5#6	1#6	COL. 5	3	D	EE		9@6, 6@9, R@12
B32	6.5	14½	6#6	5#6	1#6	COL. 6	3	D	EE		6@6, 6@9, R@12
B33	6.5	14½	9#6	5#6	3#7	COL. 7	3	D	EE		6@6, 6@9, R@12
B34	6.5	20½	9#6	5#6	1#6	COL. 8	3	D	EE		6@6, 6@9, R@12
B35	6.5	20½	6#6	5#6	1#7	COL. 9	3	D	EE		6@6, 6@9, R@12
B36	6.5	14½	8#7	5#6			3	D	EE		6@6, 6@9, R@12
B37	8	36	2#11 #9 3#8	2#10			3	D	EE		6@6, 10@6, 10@9, 28@12 EXT 2#10 FL. TOP THRUOUT B38
B38	8	36	2#8	FROM B37			3	D	EE		6@6, 3@9, 28@12
B39	8	54	2#11	2#7 & 2#6			3	D	EE		12@8, 8@6, 3@9, R@12 SEE SECTION
SB1	16	23	2#7 2#8	2#6			3	D	EE		8@6, 6@9, R@12
SB2	12	18	3#7	2#5			3	D	EE		8@6, 5@6, 3@9, R@12

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FLATTSBURGH, N.Y.
TEAGUE, SCOTT & ASSOCIATES

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI

TYPICAL DETAILS AND BEAM SCHEDULE

COMM. No. 8-68
DRAWN BY.
CHECKED BY.
DATE. 14 APRIL '70.

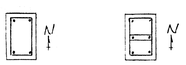
R_CT_S-008

STATE OF MARYLAND REGISTERED PROFESSIONAL ENGINEER

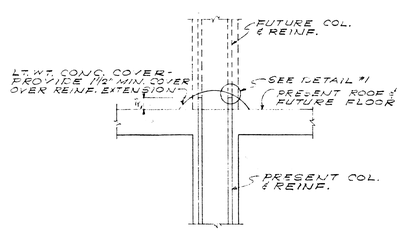
SHEET No. S8
JF SHEETS

CONCRETE COLUMN SCHEDULE

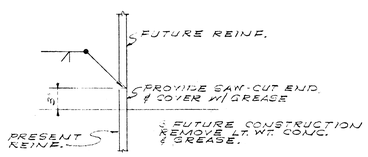
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
FUTURE ROOF FUTURE 8TH FL	LOAD	8	8	18	24	18	18	24	18	8	8	22	43	71	134	34	34	45	22	22	22	45	34	34	77	45	22	8	8	18	24	23	18	24	18	8	8																							
FUTURE SEVENTH FL	LOAD	24	24	46	51	46	46	51	46	26	23	54	102	128	188	90	90	102	54	54	54	102	41	42	137	102	54	26	26	46	51	56	52	67	52	26	24																							
ROOF SIXTH FL	LOAD	41	41	74	94	74	74	94	74	41	44	86	155	183	237	144	144	155	86	86	155	146	146	250	194	155	86	41	41	74	94	89	85	109	85	44	41																							
		18x14 4#8	14x18 4#8	14x18 4#8	14x18 4#8	14x18 4#8	14x18 4#8	14x18 4#8	14x18 4#8	14x18 4#8	18x14 4#8	18x14 4#8	20x18 4#9	20x18 4#9	20x18 4#9	20x18 4#9	20x18 4#9	20x18 4#9	18x14 4#8	18x14 4#8	20x18 4#9	20x18 4#9	20x18 4#9	22x18 4#9	22x18 4#9	20x18 4#9	18x14 4#8	18x14 4#8	14x18 4#8	14x18 4#8	14x20 4#8	14x20 4#8	14x18 4#8	14x20 4#8	14x18 4#8	14x18 4#8	18x14 4#8																							
FIFTH FL	LOAD	57	57	99	127	99	99	127	99	57	62	116	206	237	284	196	196	206	116	116	206	200	206	301	249	206	116	57	57	99	127	120	117	149	117	62	57	FUTURE LIBRARY ROOF														15	23			7	9	12
FOURTH FL. & LIB. ROOF	LOAD	73	73	124	159	124	124	159	124	73	85	145	257	290	330	247	247	257	145	145	257	252	252	350	304	257	167	91	89	139	181	171	163	188	148	80	73	44	71	35	35	37	41	41	41	24	30	70	72	72	68	91	101	43	56	51	47	54
THIRD FL. (12" SLAB)	LOAD	89	89	149	190	149	149	190	149	89	107	173	306	342	376	297	297	306	173	173	306	304	304	400	358	308	221	132	115	186	246	231	215	227	178	98	89	112	184	93	91	108	108	108	108	77	95	176	183	183	182	200	190	119	144	108	97	113
														20x18 4#9	20x18 4#9									22x18 4#9	22x18 4#9	20x18 4#8	18x14 4#8				14x20 4#8	14x20 4#8						18x14 4#8	20x18 4#9	18x14 4#8	18x14 4#8	18x14 4#8	18x14 4#8	18x14 4#8	18x14 4#8	18x14 4#8	20x18 4#9	20x18 4#9	20x18 4#9	20x18 4#9	20x18 4#9	20x14 4#8	20x18 4#9	20x18 4#9	18x14 4#8	15x14 4#8	14x18 4#8
SECOND FL	LOAD	106	106	183	234	183	183	234	183	106	131	237	384	410	432	364	364	384	213	213	384	370	370	463	429	384	288	172	145	234	311	295	270	278	217	118	106	180	297	152	148	179	175	175	175	130	161	286	294	294	296	302	278	191	231	166	141	172
					14x18 4#8			14x18 4#8				18x14 4#8	20x18 4#10	20x18 4#10	20x18 4#11	20x18 4#9	20x18 4#9	20x18 4#9			20x18 4#9	20x18 4#9	20x18 4#9	22x18 4#11	22x18 4#10	20x18 4#11 2#9E.W.	18x14 4#9				14x20 4#9	14x20 4#9	14x20 4#9	14x18 4#8	14x20 4#8				20x18 4#10									20x18 4#9	20x18 4#1	20x18 4#7	20x18 4#7	20x18 4#7	20x18 4#7	20x14 4#8					
FIRST FL.	LOAD	126	126	219	279	219	219	279	219	126	156	301	459	478	490	431	431	459	254	254	459	437	437	527	500	459	354	213	174	283	376	360	324	330	257	139	126	249	410	211	204	250	242	242	242	184	226	394	405	405	410	405	367	262	319	223	197	230
					14x18 4#9			14x18 4#9				18x14 4#10	20x18 4#11 2#8E.W.	20x18 4#11 2#9E.W.	20x18 4#11 2#10E.W.	20x18 4#11	20x18 4#11	20x18 4#11 2#8E.W.			20x18 4#11 2#8E.W.	20x18 4#11	20x18 4#11	22x18 4#11 2#10E.W.	22x18 4#11 2#10E.W.	20x18 4#11 2#9E.W.	18x14 4#11 2#8E.W.				14x18 4#9	14x20 4#11 2#8N.S.	14x20 4#11 2#8N.S.	14x18 4#11	14x20 4#11				20x18 4#10				18x14 4#8				18x14 4#8		20x18 4#11	20x18 4#1	20x18 4#7	20x18 4#7	20x18 4#7	20x14 4#11 2#8E.W.			18x14 4#8		
GROUND FL.	LOAD	145	160	299	385	301	301	385	299	188	189	365	535	546	546	478	478	535	294	294	535	504	504	590	571	535	420	254	204	331	440	424	394	396	296	160	145	317	523	289	286	340	304	309	309	237	292	502	516	516	533	507	456	333	406	280	247	289
		18x14 4#8	14x18 4#8	14x18 4#8	14x18 4#11	14x18 4#8	14x18 4#8	14x18 4#11	14x18 4#8	14x18 4#8	18x14 4#8	18x14 4#10	20x18 4#11 2#9E.W.	20x18 4#11 2#9E.H.	20x18 4#11 2#9E.W.	20x18 4#11	20x18 4#11	20x18 4#11 2#9E.W.	18x14 4#8	18x14 4#8	20x18 4#11 2#9E.W.	20x18 4#11	20x18 4#11	22x18 4#11 2#11E.W.	22x18 4#11 2#10E.W.	20x18 4#11 2#9E.W.	18x14 4#11 2#9E.W.	18x14 4#8	14x18 4#8	14x18 4#9	14x20 4#11 2#8N.S.	14x20 4#11 2#8N.S.	14x18 4#11 2#8E.W.	14x20 4#11	14x18 4#8	14x18 4#8	18x14 4#8	18x14 4#8	20x18 4#11 2#8E.W.	18x14 4#8	18x14 4#8	18x14 4#9	18x14 4#8	18x14 4#8	18x18 4#8	18x14 4#8	20x18 4#11 2#8E.W.	20x18 4#11 2#8E.W.	20x18 4#11 2#8E.W.	20x18 4#11 2#9E.W.	20x18 4#11 2#8E.W.	20x14 4#11 2#10E.W.	20x18 4#9	20x18 4#9	18x14 4#9	18x14 4#8	14x18 4#8
FL. = 4,000 P.S.I.	DOWELS	4#8	4#8	4#8	4#11	4#8	4#8	4#11	4#8	4#8	4#8	4#10	4#11 2#9E.W.	4#11 2#9E.W.	4#11 2#9E.W.	4#11	4#11	4#11 2#9E.W.	4#8	4#8	4#11 2#9E.W.	4#11	4#11	4#11 2#11E.W.	4#11 2#10E.W.	4#11 2#9E.W.	4#11 2#9E.W.	4#8	4#8	4#9	4#11 2#11NS	4#11 2#11NS	4#11 2#8NS	4#11	4#8	4#8	4#8	4#8	4#11 2#8E.W.	4#8	4#8	4#9	4#8	4#8	4#8	4#8	4#8	2#8E.W. 4#11	2#8E.W. 4#11	2#8E.W. 4#11	4#11 2#9E.W.	4#11 2#8E.W.	4#11 2#10E.W.	4#9	4#9	4#8	4#8	4#8
CAISSONS	LOAD	150	172	308	395	310	310	395	310	200	200	375	545	556	555	510	510	545	305	305	545	514	514	600	580	545	430	262	214	340	450	434	405	405	305	170	152	325	535	300	295	350	318	318	318	245	300	510	525	525	542	510	462	342	415	290	256	300
	SHAFT	24	24	24	24	24	24	24	24	24	24	24	30	30	30	30	30	30	24	24	30	30	30	30	30	30	24	24	24	24	30	30	24	24	24	24	24	24	30	24	24	24	24	24	24	24	24	30	30	30	30	30	30	30	30	24	24	24
	BELL	26	28	36	40	36	36	40	36	30	30	38	48	48	48	46	46	48	36	36	48	46	46	50	50	48	42	34	30	38	42	42	40	40	36	28	26	36	48	36	36	38	36	36	36	32	36	46	48	48	48	46	44	38	40	36	34	36



TYPICAL COL. BAR DETAILS



TYPICAL FUTURE COLUMN CONNECTION DETAIL



DETAIL #1

NOTES:

1. 1ST DIMENSION OF COLUMN'S NORTH-SOUTH PROJECT DIRECTION.
2. COLUMN TIES TO BE 3#3 @ 18" O.C. BUT NOT OVER 16 BAR DIAMETERS OF VERT. REINF. OR THE LEAST DIM. OF COL.
3. COLUMN VERTICAL REINF. TO BE A.S.T.M. 615 GRADE 60 COLUMN TIES REINF. TO BE A.S.T.M. 615 GRADE 40.
4. CONCRETE STRENGTH TO BE AS FOLLOWS: CAISSONS & 1ST FLOOR: f'c = 4,000 P.S.I. COLUMNS FROM TOP OF CAISSONS TO 1ST FLOOR: f'c = 4,000 P.S.I. COLUMNS ABOVE 1ST FLOOR f'c = 3,000 P.S.I.
5. VERTICAL REINFORCEMENT NOTATION REFERS TO FACE OF COLUMN WHERE PLACED.

R_CT_S-009

STATE OF MARYLAND — REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL

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STRUCTURAL ENGINEERS
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WASHINGTON, D.C.
TAUBER-SCHIFF ASSOC.
SCHERSSER & ASSOCIATES

PHASE-VI

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
COLUMN SCHEDULE

COMM. No. 8-68
DRAWN BY.
CHECKED BY.
DATE. 14 APRIL '70

SHEET No. S-9
OF SHEETS

CONCRETE COLUMN SCHEDULE

	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
LOAD																																								
LOAD																																								
LOAD SIXTH FL																																								
LOAD FIFTH FL																														161 18×12 4#7	187 18×12 4#7									
LOAD LIBRARY ROOF FOURTH			8×14 4#8	8×14 4#8			20×18 4#9	20×18 4#9																			8×12 4#7			195	224 18×12 4#7									
LOAD THIRD FL 3000 PSI	108	183	112 14×18 4#8	157 20×14 4#8	123 20×14 4#8	135 20×18 4#9	163 20×18 4#9	183 20×18 4#9	183 20×18 4#9	108 14×18 4#8	108 14×18 4#8	159 18×20 4#9	139 20×18 4#9	183 20×18 4#9	183 20×18 4#9	191 20×18 4#9	66 20×18 4#9	77 18×14 4#8	108 18×14 4#8	108 18×14 4#8	108 18×14 4#8	113 18×14 4#8	93 20×18 4#9	82 20×18 4#9	66 18×14 4#8	62 14×18 4#8	77 14×18 4#8	97 18×12 4#7	105 18×12 4#7	225 18×12 4#7	260 18×12 4#9	82 12×12 4#6	65 12×12 4#6	69 12×12 4#6	69 12×12 4#6					
LOAD SECOND FL f'c = 3000 PSI	175	294	181 20×18 4#8	229	182	217	262	294 20×18 4#9	294 20×18 4#9	175	175	258	223	294 20×18 4#9	294 20×18 4#9	307 20×18 4#9	113	130	175	175	175	172	142	121	111	106	130	146 18×12 4#7	158 18×12 4#7	259 18×12 4#9	300 18×12 4#11	111	86	98	98					
LOAD FIRST FL 4000 PSI	242	405	249 14×18 4#8	300 20×18 4#10	240	299	361	405 20×18 4#10	405 20×18 4#10	242 14×18 4#8	242 14×18 4#8	357	308	405 20×18 4#10	405 20×18 4#10	423 20×18 4#11	159	184	242	242	242	230	190	161	155	150	184	194 18×12 4#7	211 18×12 4#7	294 18×12 4#11	341 18×12 4#11 2#7E.W.	140	108	128	128					
LOAD GROUND 4000 PSI	309 14×18 4#8	516 20×18 4#11	318 20×14 4#8	372 20×14 4#9	299 20×18 4#9	381 20×18 4#9	460 20×18 4#9	516 20×18 4#11	516 TRANS-FER	309 14×18 4#9	309 14×18 4#8	456 18×20 4#9	342 20×18 4#9	516 20×18 4#11 2#8E.W.	516 20×18 4#11 2#8E.W.	539 20×18 4#11 2#8E.W.	228	237	309 18×14 4#8	309 18×14 4#8	309 18×14 4#8	284 18×14 4#8	239	200	200	193	237	243 18×12 4#8	264 18×12 4#8	328 18×12 4#11	381 18×12 4#11 2#7E.W.	169 12×12 4#6	130 12×12 4#6	157 12×12 4#6	157 12×12 4#6	40 12×12 4#6	68 12×12 4#6	52 12×12 4#6	90 12×12 4#6	510 20×18 4#11 2#11E.W.					
LOAD BASEMENT f'c =	313	520	322	376	300	430 20×18 4#9	520 20×18 4#11 2#8E.W.	556 20×18 4#	520	313 14×18 4#9	313	460	478 20×18 4#10	627 20×18 6#11E.W. 2#11N.S.	576 20×18 6#11E.W. 2#10N.S.	580 20×18 6#11E.W. 2#10N.S.	232 20×18 4#9	241 18×14 4#8	350 18×14 4#10	370 18×14 4#11	370 18×14 4#11	348 18×14 4#10	288 20×18 4#9	225 20×18 4#9	203 18×14 4#8	196 14×18 4#8	241 14×18 4#8	247	268	332	385	180 12×12 4#7	143 12×12 4#6	161 12×12 4#7	161					
DOWELS	4#8	4#11	4#8	4#9	4#9	4#9	4#11 2#8E.W.	4#11 2#10E.W.		4#9	4#8	4#9	4#10	6#11E.W. 2#11N.S.	6#11E.W. 2#10N.S.	6#11E.W. 2#10N.S.	4#9	4#8	4#10	4#11	4#11	4#10	4#9	4#9	4#8	4#8	4#8	4#8	4#8	4#11	4#11 2#11E.W.	4#7	4#6	4#7	4#6	4#6	4#6	4#6	4#6	4#11 2#11E.W.	
CAISSONS LOAD	315	520	323	376	305	386	465	520		320	315	460	398	520	520	545	236	245	355	375	375	352	292	230	210	200	206	250	273	334	386	185	145	165	162	42	70	55	95	515
CAISSONS SHAFT	24	30	30	30	30	30	30	30		24	24	30	30	30	30	30	30	24	24	24	24	24	30	30	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	30
CAISSONS BELL	36	48	38	40	36	40	44	48		36	36	44	40	48	48	48	34	34	38	40	40	38	36	34	30	30	30	30	34	38	40	30	25	28	28					48

NOTES:
FOR NOTES AND COLUMN DETAILS SEE DWG 69

R_CT_S-010

McLEOD, FERRARA & ENSIGN
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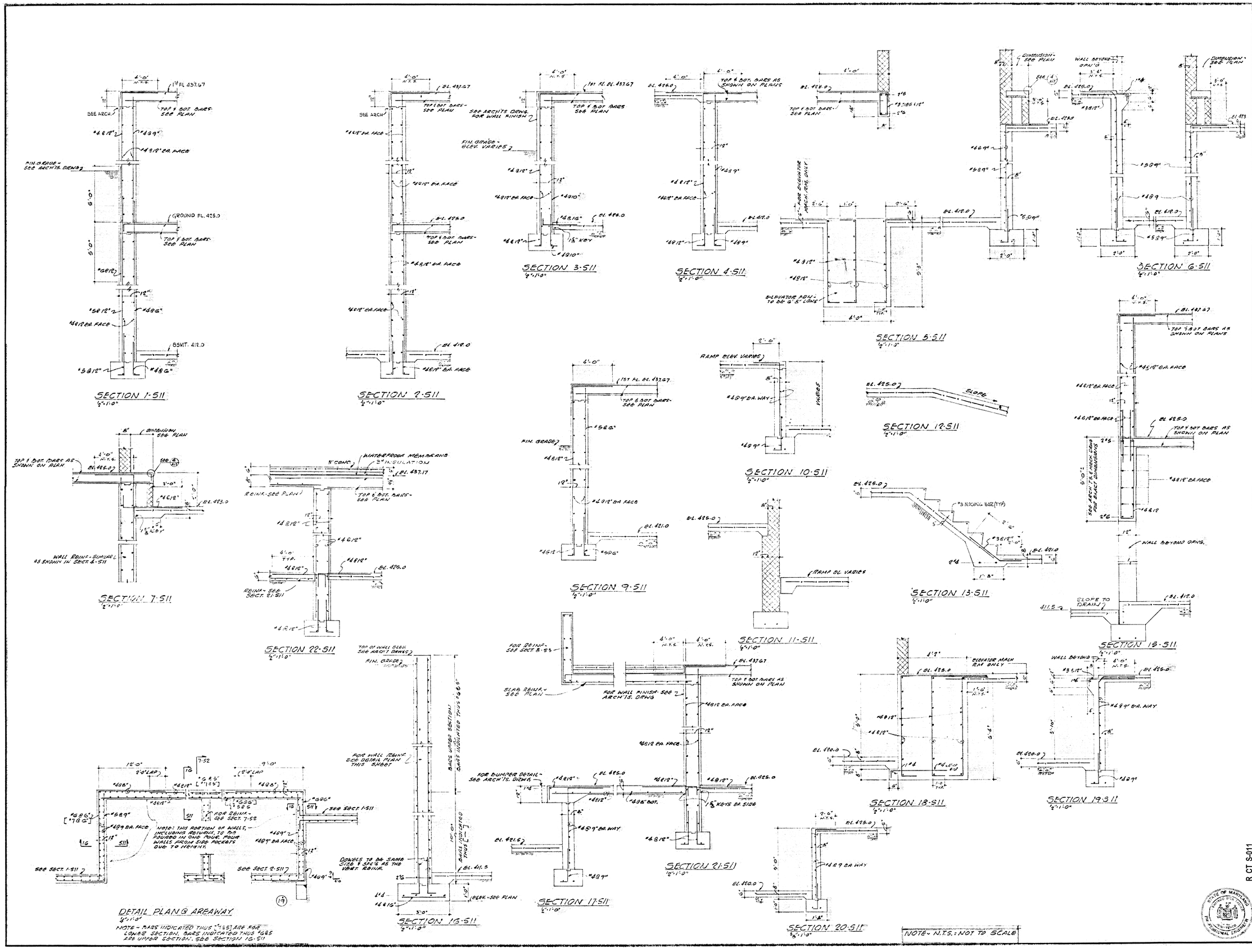
WASHINGTON, D.C.

MONTGOMERY COMMUNITY COLLEGE
ROCKVILLE, MARYLAND
PHASE-VI
COLUMN SCHEDULE

COMM. No. 3-68
DRAWN BY.
CHECKED BY.
DATE. 14 APRIL '70

SHEET No. S10
OF SHEETS



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WASHINGTON, D.C.

MONTGOMERY COMMUNITY COLLEGE PHASE-VI

MARYLAND.

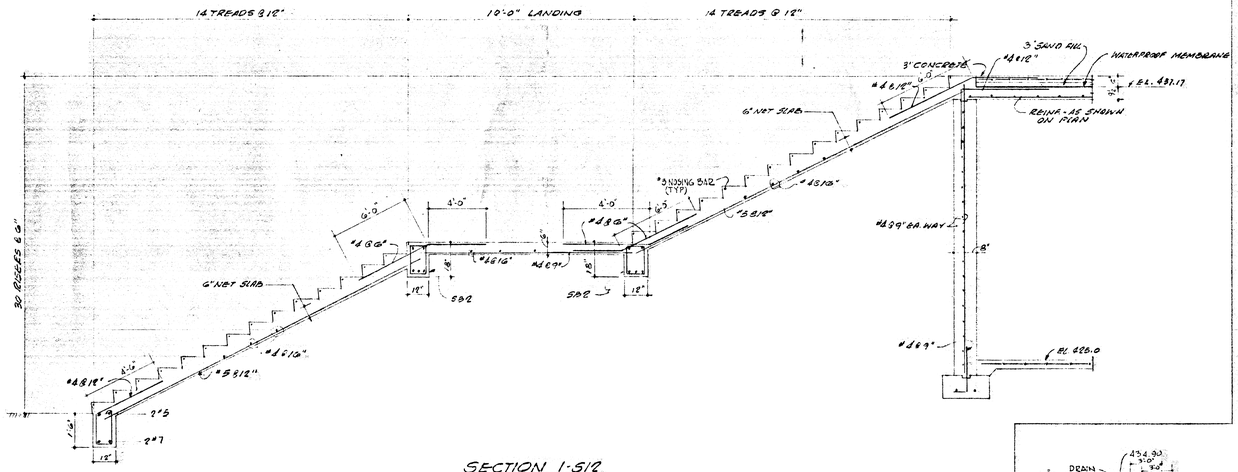
ROCKVILLE,

SECTIONS AND DETAILS

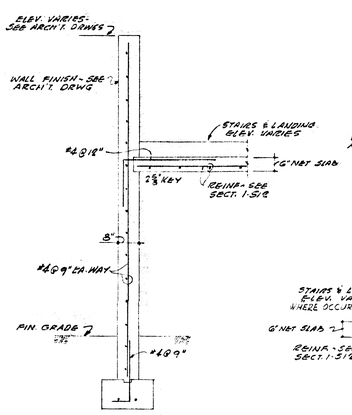
COMM. No. 3-66
DRAWN BY.
CHECKED BY.
DATE 14 APR. 70

SHEET No. S11 OF SHEETS

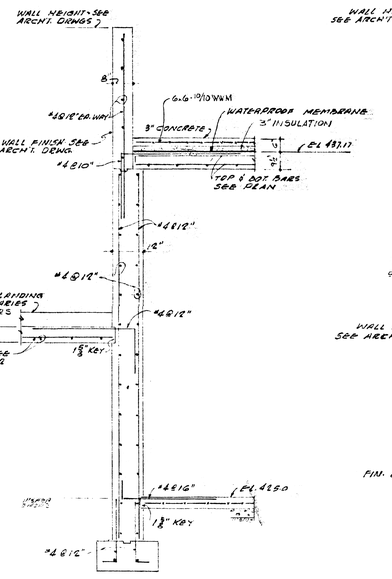
R_CT_S-011



SECTION 1-S12
3/8" = 1'-0"



SECTION 2-S12
3/8" = 1'-0"



SECTION 3-S12
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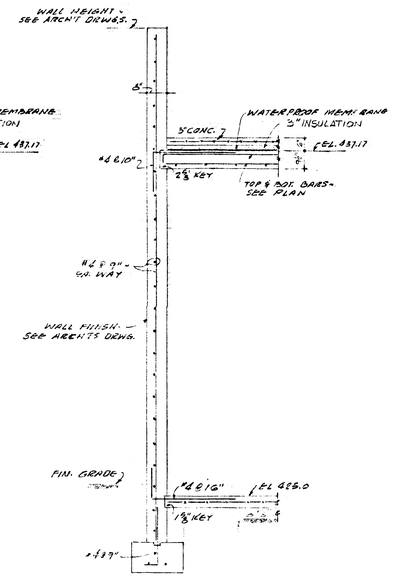

SECTION 4-S12
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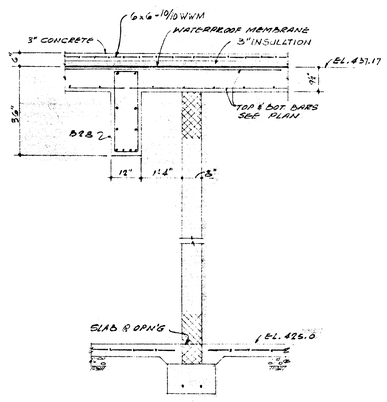
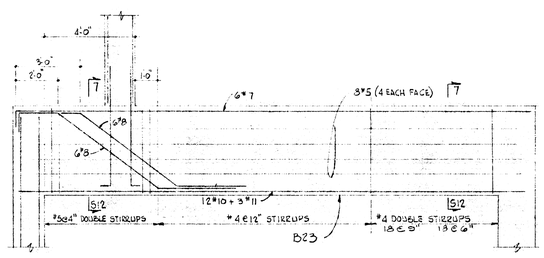
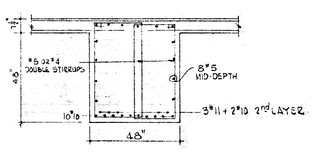


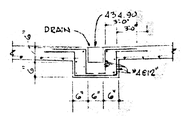
SECTION 5-S12
3/8" = 1'-0"



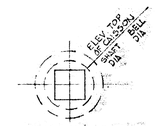
SECTION 6-S12



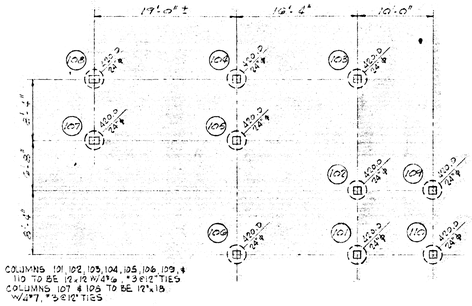
SECTION 7-S12
3/8" = 1'-0"



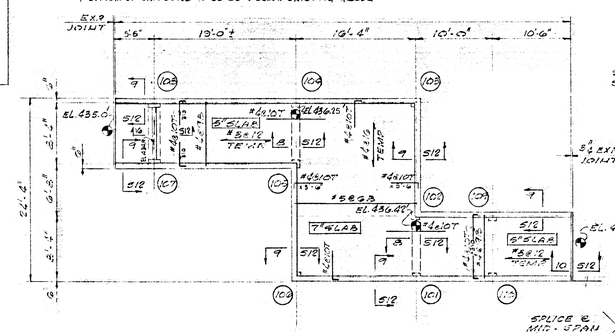
SECTION 16-S12
1/2" = 1'-0"



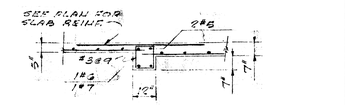
CAISSON LEGEND



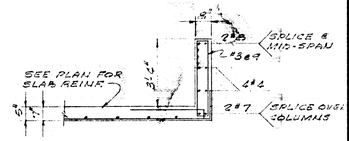
BRIDGE #1 (ALT #1) FOUNDATION PLAN
1/8" = 1'-0"
1- BOTTOM OF CAISSONS TO BE 55'± BELOW EXISTING GRADE



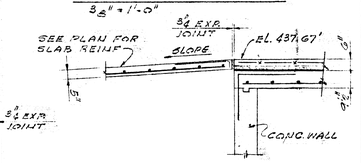
BRIDGE #1 (ALT. #1) RAMP PLAN
3/8" = 1'-0"



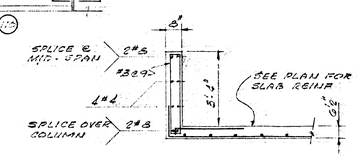
SECTION 8-S12
3/8" = 1'-0"



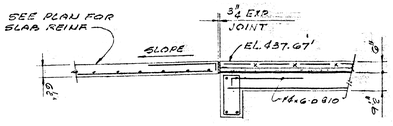
SECTION 9-S12
3/8" = 1'-0"



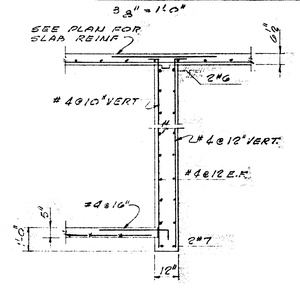
SECTION 10-S12
3/8" = 1'-0"



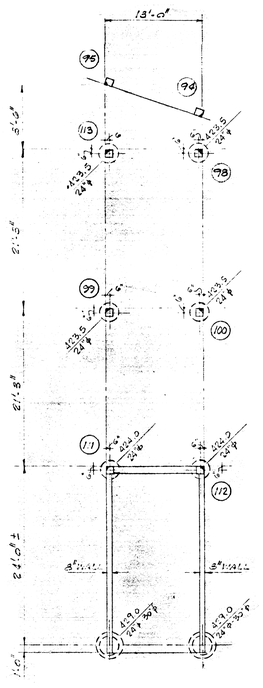
SECTION 11-S12
3/8" = 1'-0"



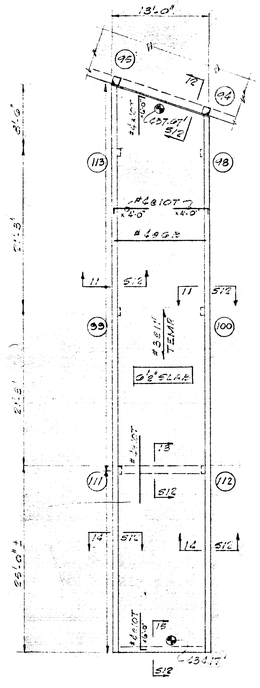
SECTION 12-S12
3/8" = 1'-0"



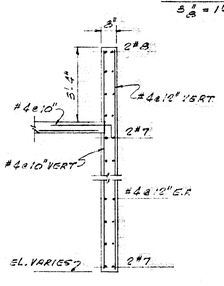
SECTION 13-S12
3/8" = 1'-0"



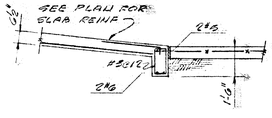
BRIDGE #2 (ALT #1) FOUNDATION PLAN
1/8" = 1'-0"
1- COLUMNS 98, 99, 100, 111, 112, 113 SHALL BE 12x12 W/4#6 VERT. *3#12" TIES.
2- BOTTOM OF CAISSONS TO BE 55'± BELOW EXISTING GRADE



BRIDGE #2 (ALT #1) RAMP PLAN
1/8" = 1'-0"



SECTION 14-S12
3/8" = 1'-0"



SECTION 15-S12
3/8" = 1'-0"

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MONTGOMERY COMMUNITY COLLEGE PHASE-VI

MARYLAND

ROCKVILLE,

SECTIONS AND DETAILS

R_CT_S-012

COMM. No. 8-68
DRAWN BY.
CHECKED BY.
DATE. 14 APRIL '70

SHEET No. S12 OF SHEETS