

**MONTGOMERY COLLEGE - OFFICE OF PROCUREMENT
UNDERGROUND CHILLED AND HEATING WATER PIPING REPLACEMENT – PHASE 1
ROCKVILLE CAMPUS
RFP NO.: E621-006
RFP CLOSING DATE AND TIME: APRIL 9, 2021 @ 2:00 PM**

**ADDENDUM #1
Issued: March 31, 2021**

THIS ADDENDUM IS TO PROVIDE ANSWERS TO THE FOLLOWING QUESTIONS:

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

The following items offer clarifications that do change the requirements of the RFP documents.

Item 1-1 Question: The Specification 232020-2.1-B for the pre-insulated underground piping states Perma-Pipe is the only acceptable manufacturer. Is it possible to have Rovanco Piping Systems added as an acceptable manufacture?

Answer: Revise paragraph 2.1.B in Specification Section 232020 to read as follows:

“B. Design Standard Manufacturer of conduits shall be Perma-Pipe Xtru-therm for chilled water and heating water service. Alternative manufacturer, Rovanco, shall be considered as an acceptable substitute for Perma-Pipe.”

Item 1-2 2nd line of Part 4, Technical Proposal Form, Section 004213 A-2, delete “replacement and repair of stairs and associated work as indicated in the contract document at”.

Item 1-3 Provide temporary chilled water piping between the Humanities and Macklin Tower buildings, to provide cooling to Macklin Tower for the duration of the project.

See attached additional Mechanical Drawings issued, which include:

Cover Sheet: Additional drawing sheet

M1.04: Addition of general notes for temporary chilled water piping.

M2.01: Addition of 6” flanged connections for temporary piping connections.

M2.02: New drawing sheet, addition of 6” flanged connections for temporary piping connections

M3.03: Addition of 6” flanged connections for temporary piping connections.

Specification Sections or Portions Reissued in Entirety

None

Drawings Reissued in Entirety

COVER SHEET

M1.04 – Site Plan Chilled Water New Work

M2.01 – Humanities Mechanical Room – HVAC Piping Demolition & New Work

M2.02 – Macklin Tower Partial Basement Floor Plan - HVAC Piping New Work

M3.03 – Schematic – Campus Chilled Water System New Work

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Sketches

None

Items Issued for Informational Purposes

None

Patrick Johnson

Patrick Johnson, MBA
Director of Procurement

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.

Company Name

Authorized Signature

Date

Printed/Typed Signature

PROJECT NAME:

Montgomery College



Central Administration
 Office of Facilities
 9221 Corporate Boulevard
 Rockville, MD 20850
 Telephone: 240-567-7363

**ROCKVILLE CAMPUS
 UNDERGROUND
 CHILLED AND HEATING
 WATER PIPING
 REPLACEMENT
 PHASE 1**

FP NO. 21-003

Consultants

A. Morton Thomas and Associates, Inc.
 Civil Engineers

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 4th Floor
 Rockville, MD 20850 www.amengineering.com



ROCKVILLE CAMPUS UNDERGROUND CHILLED AND HEATING WATER PIPING REPLACEMENT - PHASE 1

FP NO. 21-003

Montgomery College
 Rockville Campus

BID RFP E621-006



BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.
 MECHANICAL/ ELECTRICAL/ PLUMBING ENGINEERS

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 ROCKVILLE, MD 20850
 PHONE: 310-881-2545

**BKM PROJECT NO. 19104.01
 ADDENDUM 1
 APRIL 1, 2021**

DRAWING INDEX	
DWG. No.	DESCRIPTION
CS	COVER SHEET
CIVIL DRAWINGS	
GH-101	EXISTING SITE IMAGES - PHASE 1
VF-100	EXISTING CONDITIONS PLAN OVERVIEW
VF-101	EXISTING CONDITIONS PLAN - PHASE 1
CD-101	SITE DEMOLITION PLAN - PHASE 1
CS-101	SITE UTILITY / IMPROVEMENTS PLAN - PHASE 1
MECHANICAL DRAWINGS	
M0.01	MECHANICAL LEGEND, ABBREVIATION, NOTES AND SCHEDULES
M1.01	SITE PLAN - CHILLED WATER - DEMOLITION
M1.02	SITE PLAN - HEATING WATER - DEMOLITION
M1.03	SITE PLAN - COMPRESSED AIR PIPING - DEMOLITION
M1.04	SITE PLAN - CHILLED WATER - NEW WORK
M1.05	SITE PLAN - HEATING WATER - NEW WORK
M2.01	MECHANICAL TOWER (MT) - BASEMENT PART PLAN - HVAC PIPING - DEMOLITION
M2.02	MACKLIN TOWER (MT) - BASEMENT PART PLAN - HVAC PIPING - NEW WORK
M3.01	SCHEMATIC - CAMPUS CHILLED WATER SYSTEM - DEMOLITION
M3.02	SCHEMATIC - CAMPUS HEATING WATER SYSTEM - DEMOLITION
M3.03	SCHEMATIC - CAMPUS CHILLED WATER SYSTEM - NEW WORK
M3.04	SCHEMATIC - CAMPUS HEATING WATER SYSTEM - NEW WORK
M4.01	MECHANICAL DETAILS
ELECTRICAL DRAWINGS	
E1.01	SITE PLAN ELECTRICAL

ISSUED FOR:

DATE: DESCRIPTION:

03/12/2021 BID SET

04/01/21 ADDENDUM 1

PROJECT NO: BKM # 19104.01

SCALE: AS NOTED

DRAWN BY: JMM

CHECKED BY: WJC

DATE: 03/12/21

SHEET TITLE:

COVER SHEET

DRAWING NO:

CS

PROJECT NAME:

Montgomery College



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 9221 Corporate Boulevard
 Rockville, MD 20850
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 UNDERGROUND
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SCALE: AS NOTED

DRAWN BY: JMM

CHECKED BY: WJC

DATE: 03/12/21

SHEET TITLE:
**SITE PLAN
 CHILLED WATER
 NEW WORK**

DRAWING NO:

M1.04

BKM# 19104.01



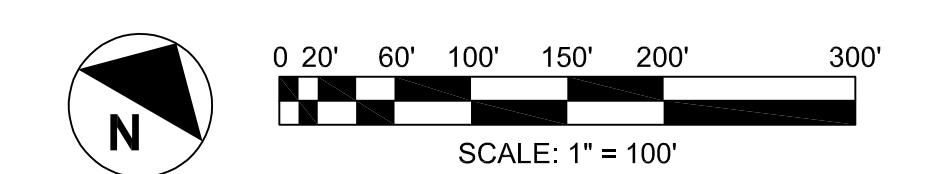
1 SITE PLAN - CHILLED WATER - NEW WORK
 SCALE: 1" = 100'-0"

GENERAL NOTES:

- REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- PIPE ROUTING SHOWN FOR GENERAL ROUTING PURPOSES ONLY. REFER TO CIVIL AND MECHANICAL PART PLANS FOR PIPE SIZES AND ROUTING.
- REFER TO CIVIL DIVISION FOR ADDITIONAL REQUIREMENTS.
- REFER TO DRAWING M4.01 FOR MAIN AND SECONDARY TRENCH DETAILS.
- CONTRACTOR SHALL PROVIDE TEMPORARY 6" CHILLED WATER SUPPLY AND RETURN FLEXIBLE PIPING RATED AT 150 PSIG FROM MACKLIN TOWER TO HUMANITIES TO MAINTAIN COOLING TO MACKLIN TOWER FOR DURATION OF PROJECT. TEMPORARY PIPING SHALL BE REMOVED AT COMPLETION OF PROJECT. TEMPORARY PIPING SHALL BE PRESSURE TESTED AND INCLUDE FLANGED CONNECTIONS TO CONNECT TO NEW FLANGED CONNECTIONS WITHIN THE MACKLIN TOWER AND HUMANITIES BUILDINGS.

DRAWING NOTES:

- NEW CHILLED WATER PIPING. COORDINATE INSTALLATION OF NEW PIPING WITH CAMPUS ACTIVITIES AND BUILDING OUTAGES.
- EXISTING BURIED CONDENSER WATER PIPING.
- EXISTING 10" GWS/R PIPING TO REMAIN.
- NORMALLY OPEN SHUT-OFF VALVES WITHIN PIPING VAULT.
- EXISTING ICE MODULES.
- REFER TO 8/M4.01 FOR INSTALLATION REQUIREMENTS.
- REFER TO 9/M4.01 FOR INSTALLATION REQUIREMENTS.
- REFER TO 10/M4.01 FOR INSTALLATION REQUIREMENTS.



PLOTTED BY: Jason Matzer | 3/30/2021 2:20 PM
 ARL: G:\19104\01\Drawings\Acad\MLUG Piping Replacement\M1.04 - Site Plan - Chilled Water - NEW WORK

PROJECT NAME:

Montgomery College



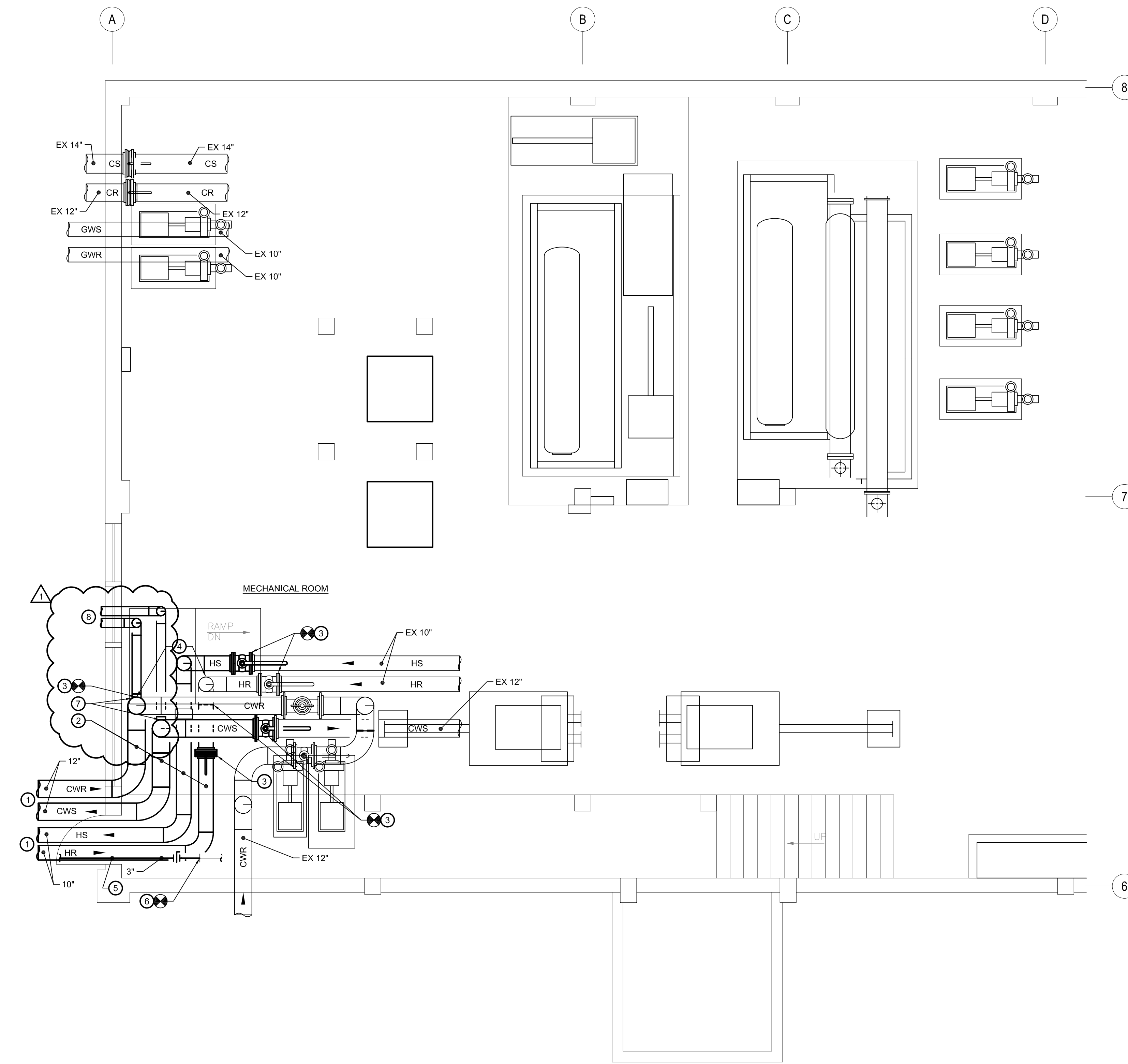
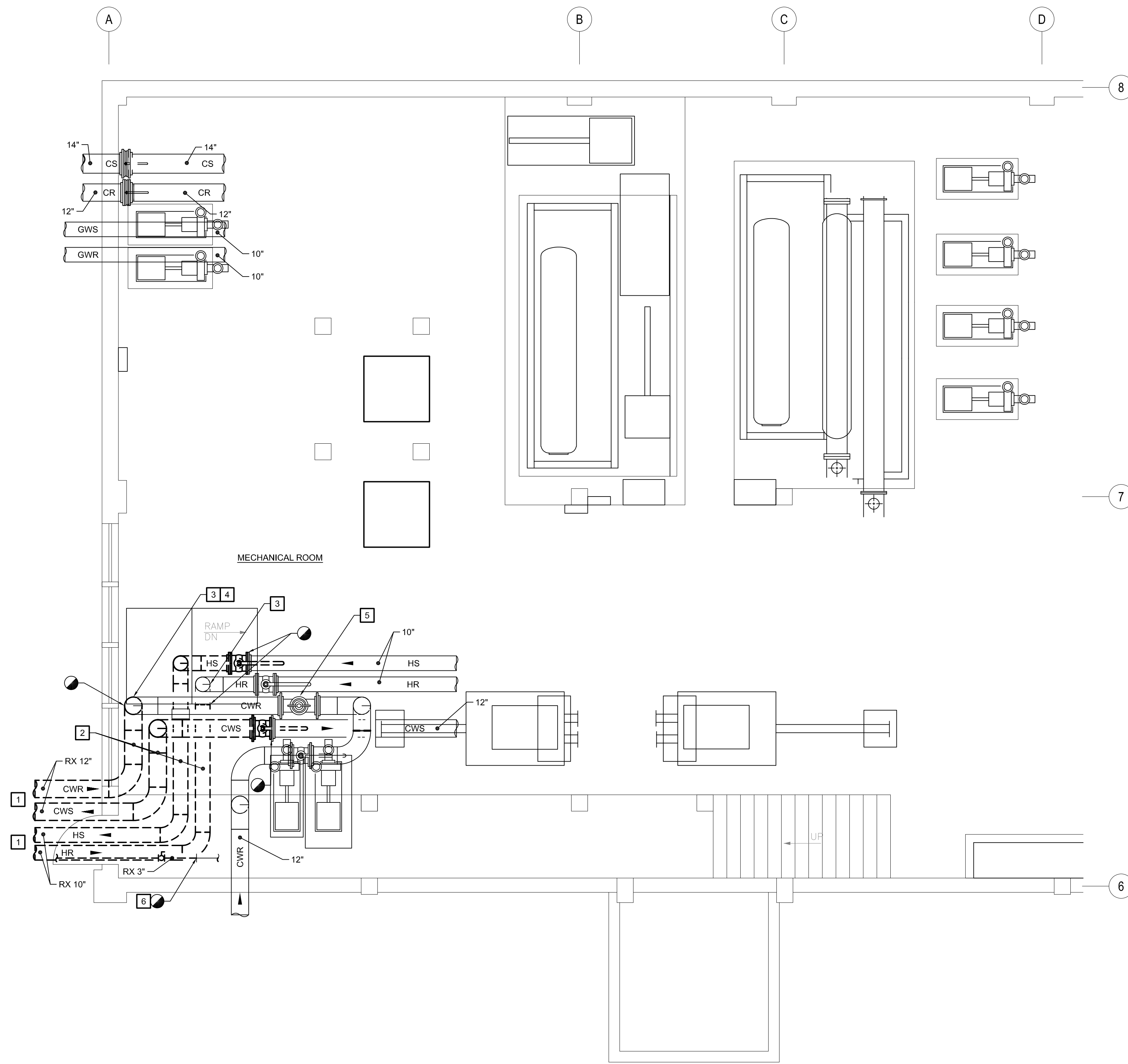
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 UNDERGROUND
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1 HUMANITIES MECHANICAL ROOM - HVAC PIPING - DEMOLITION
 SCALE: 1/4" = 1'-0"

DEMOLITION DRAWING NOTES:

- REMOVE EXISTING CHILLED WATER AND HEATING WATER PIPING THROUGH EXTERIOR WALL. REFER TO CIVIL SITE PLANS FOR CONTINUATION.
- REMOVE EXISTING CHILLED WATER AND HEATING WATER PIPING.
- EXISTING CONTROL VALVE LOCATED IN VERTICAL PIPING TO REMAIN. EXERCISE VALVE AND CONFIRM OPERATION.
- REMOVE EXISTING SHUTOFF VALVE LOCATED IN VERTICAL PIPING.
- EXISTING IN-LINE STRAINER TO REMAIN.
- REMOVE EXISTING HEATING WATER EXPANSION TANK PIPING THROUGH WALL. REFER TO CIVIL SITE PLANS FOR CONTINUATION.

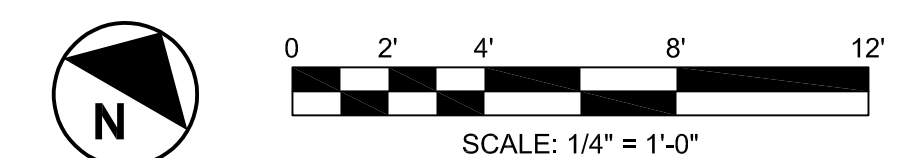
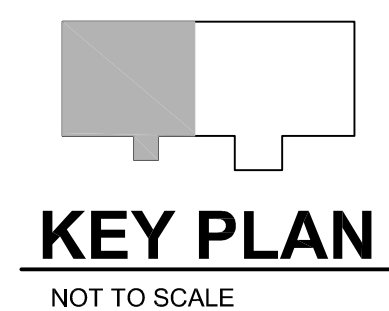
GENERAL NOTES:

- REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- REFER TO SITE PLAN AND SCHEMATICS FOR CONTINUATION.
- PERFORM PRE-DEMOLITION WATER FLOW TESTING OF HUMANITIES BUILDING HEATING WATER AND CHILLED WATER PUMPS. AT COMPLETION OF NEW WORK, REBALANCE BUILDING PUMPS TO PRE-DEMOLITION FLOW RATES.

2 HUMANITIES MECHANICAL ROOM - HVAC PIPING - NEW WORK
 SCALE: 1/4" = 1'-0"

NEW WORK DRAWING NOTES:

- REFER TO SITE PLAN FOR CONTINUATION OF NEW CHILLED WATER AND HEATING WATER UNDERGROUND PIPING. PROVIDE NEW LINK SEAL AND PIPE SLEEVE AT EACH PENETRATION, REFER TO DETAIL. PROVIDE NEW WATERPROOFING AT BUILDING EXTERIOR TO MATCH EXISTING.
- EXTEND NEW CHILLED WATER AND HEATING WATER PIPING TO EXISTING PIPING.
- PROVIDE NEW HIGH-PERFORMANCE SHUTOFF VALVE.
- EXISTING CONTROL VALVE LOCATED IN VERTICAL PIPING.
- REFER TO SITE PLAN FOR CONTINUATION OF NEW 3" HEATING WATER EXPANSION TANK UNDERGROUND PIPING. PROVIDE NEW LINK SEAL AND PIPE SLEEVE AT WALL PENETRATION, REFER TO DETAIL.
- PROVIDE NEW WATERPROOFING AT BUILDING EXTERIOR TO MATCH EXISTING. PROVIDE NEW HIGH PERFORMANCE BUTTERFLY ISOLATION VALVE. PROVIDE 3/4" TREAD-O-LET AND FULL PORT BALL VALVE ON EITHER SIDE OF ISOLATION VALVE WITH HOSE BIBB CONNECTION.
- PROVIDE NEW 6" FLANGED CONNECTION WITH NEW SHUTOFF VALVES ON CHILLED WATER SUPPLY & RETURN PIPING FOR TEMPORARY CHILLED WATER PIPING CONNECTION. EXTEND TEMPORARY PIPING FROM FLANGED CONNECTION TO MACKLIN TOWER FOR EXTENT OF CHILLED WATER OUTAGE TO MACKLIN TOWER. REMOVE AND CAP FLANGE AT COMPLETION OF CHILLED WATER OUTAGE.
- TEMPORARILY ROUTE 6" 150 PSIG CHILLED WATER FLEXIBLE PIPING THROUGH ROLL-UP DOOR TO MACKLIN TOWER. COORDINATE ROUTING WITH ALL CONSTRUCTION ACTIVITIES AND PROVIDE PROTECTIVE MEASURES TO PREVENT DAMAGE TO PIPING FOR EXTENT OF USAGE.



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04/01/21 ADDENDUM 1

PROJECT NO: BKM # 19104.01

SCALE: AS NOTED

DRAWN BY: SY

CHECKED BY: BKM

DATE: 03/12/21

SHEET TITLE:

**HUMANITIES MECHANICAL
 ROOM - HVAC PIPING
 DEMOLITION & NEW WORK**

DRAWING NO:

M2.01

BKM# 19104.01

PROJECT NAME:

Montgomery College



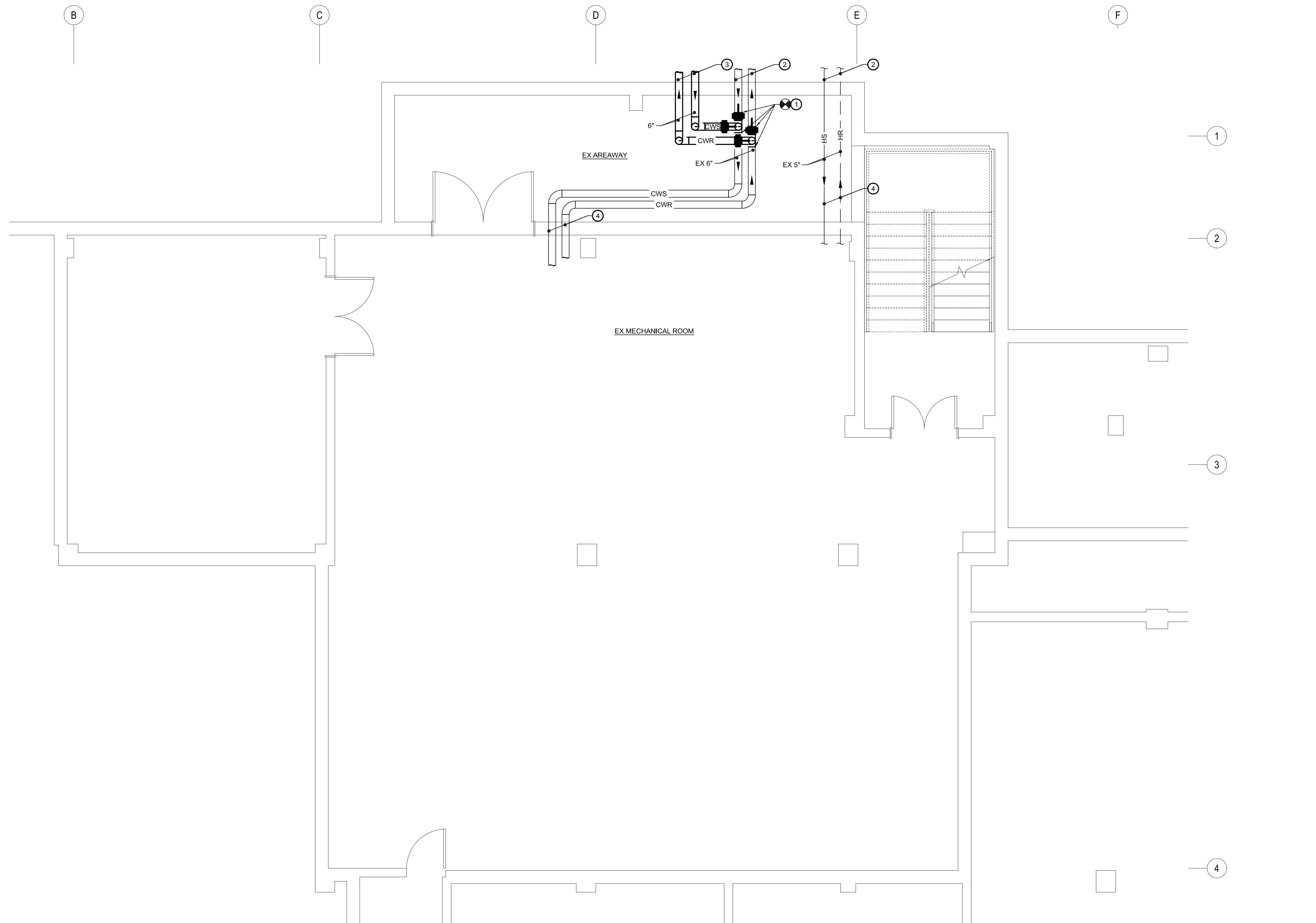
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**MACKLIN TOWER - PART BASEMENT FLOOR PLAN
 HVAC PIPING - NEW WORK**

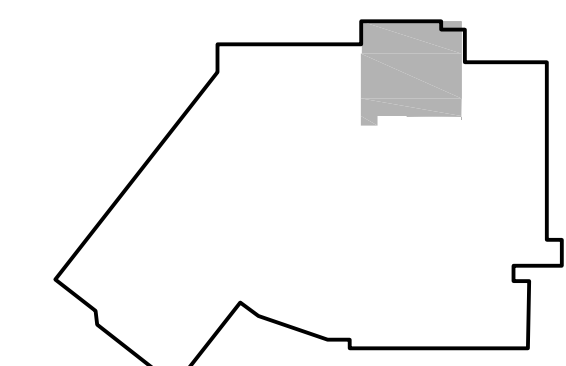
1 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

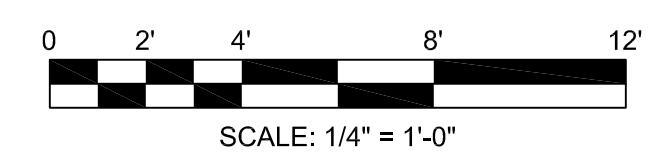
- REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- REFER TO SITE PLAN AND SCHEMATICS FOR CONTINUATION.
- PERFORM PRE-DEMOLITION WATER FLOW TESTING OF HUMANITIES BUILDING HEATING WATER AND CHILLED WATER PUMPS. AT COMPLETION OF NEW WORK, REBALANCE BUILDING PUMPS TO PRE-DEMOLITION FLOW RATES.
- EXISTING INSULATION AND EXTERIOR JACKETING SHALL BE REPAIRED OR REPLACED AT NEW VALVE AND TEE CONNECTION. NEW INSULATION AND JACKETING SHALL BE APPLIED TO CAPPED CHILLED WATER 6" CONNECTION AT COMPLETION OF NEW WORK.

DRAWING NOTES:

- PROVIDE NEW 6" FLANGED CONNECTION WITH NEW SHUTOFF VALVES ON CHILLED WATER SUPPLY & RETURN PIPING FOR TEMPORARY CHILLED WATER PIPING CONNECTION. EXTEND TEMPORARY PIPING FROM FLANGED CONNECTION TO HUMANITIES FOR EXTENT OF CHILLED WATER OUTAGE TO MACKLIN TOWER. REMOVE AND CAP FLANGE AT COMPLETION OF CHILLED WATER OUTAGE.
- TEMPORARILY ROUTE 6" 150 PSIG CHILLED WATER FLEXIBLE PIPING THROUGH AREAWAY TO HUMANITIES. COORDINATE ROUTING WITH ALL CONSTRUCTION ACTIVITIES AND PROVIDE PROTECTIVE MEASURES TO PREVENT DAMAGE TO PIPING FOR EXTENT OF USAGE.
- EXISTING UNDERGROUND HEATING AND CHILLED WATER PIPING. REFER TO SITE PLAN FOR CONTINUATION.
- EXISTING HEATING AND CHILLED WATER PIPING TO/FROM MACKLIN TOWER.



KEY PLAN
 NOT TO SCALE



SCALE: 1/4" = 1'-0"

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PROJECT NO: BKM # 19104.01

SCALE: AS NOTED

DRAWN BY: SY

CHECKED BY: BKM

DATE: 03/12/21

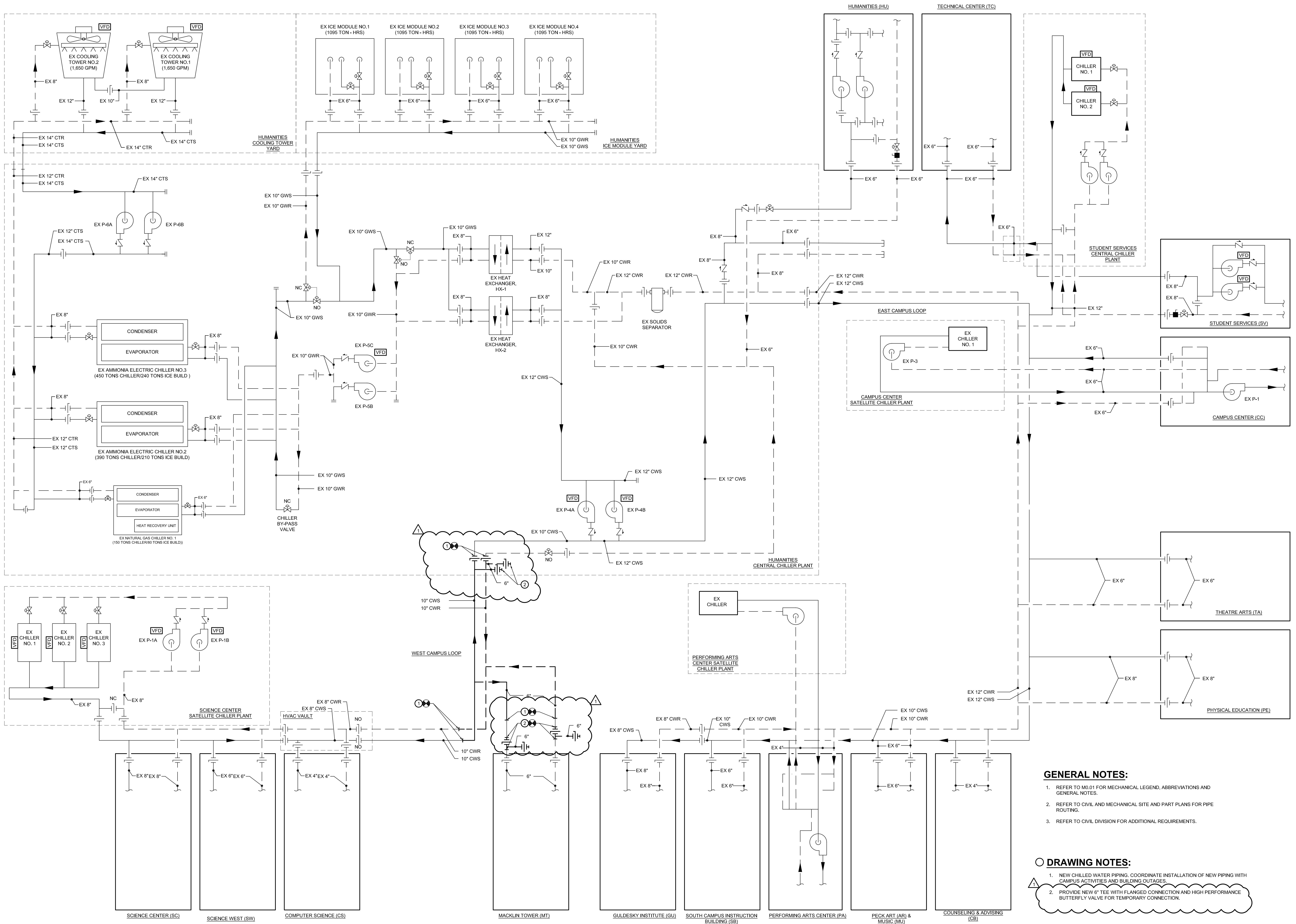
SHEET TITLE:

**MACKLIN TOWER - PART
 BASEMENT FLOOR PLAN
 HVAC PIPING - NEW WORK**

DRAWING NO:

M2.02

BKM# 19104.01



- GENERAL NOTES:**
- REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
 - REFER TO CIVIL AND MECHANICAL SITE AND PART PLANS FOR PIPE ROUTING.
 - REFER TO CIVIL DIVISION FOR ADDITIONAL REQUIREMENTS.

- DRAWING NOTES:**
- NEW CHILLED WATER PIPING. COORDINATE INSTALLATION OF NEW PIPING WITH CAMPUS ACTIVITIES AND BUILDING OUTAGES.
 - PROVIDE NEW 6" TEE WITH FLANGED CONNECTION AND HIGH PERFORMANCE BUTTERFLY VALVE FOR TEMPORARY CONNECTION.

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 SCALE: AS NOTED
 DRAWN BY: BKM
 CHECKED BY: BKM
 DATE: 03/12/21

SHEET TITLE:
SCHEMATIC - CAMPUS
CHILLED WATER SYSTEM
NEW WORK

DRAWING NO:
M3.03

1 SCHEMATIC - CAMPUS CHILLED WATER SYSTEM - NEW WORK
 NO SCALE