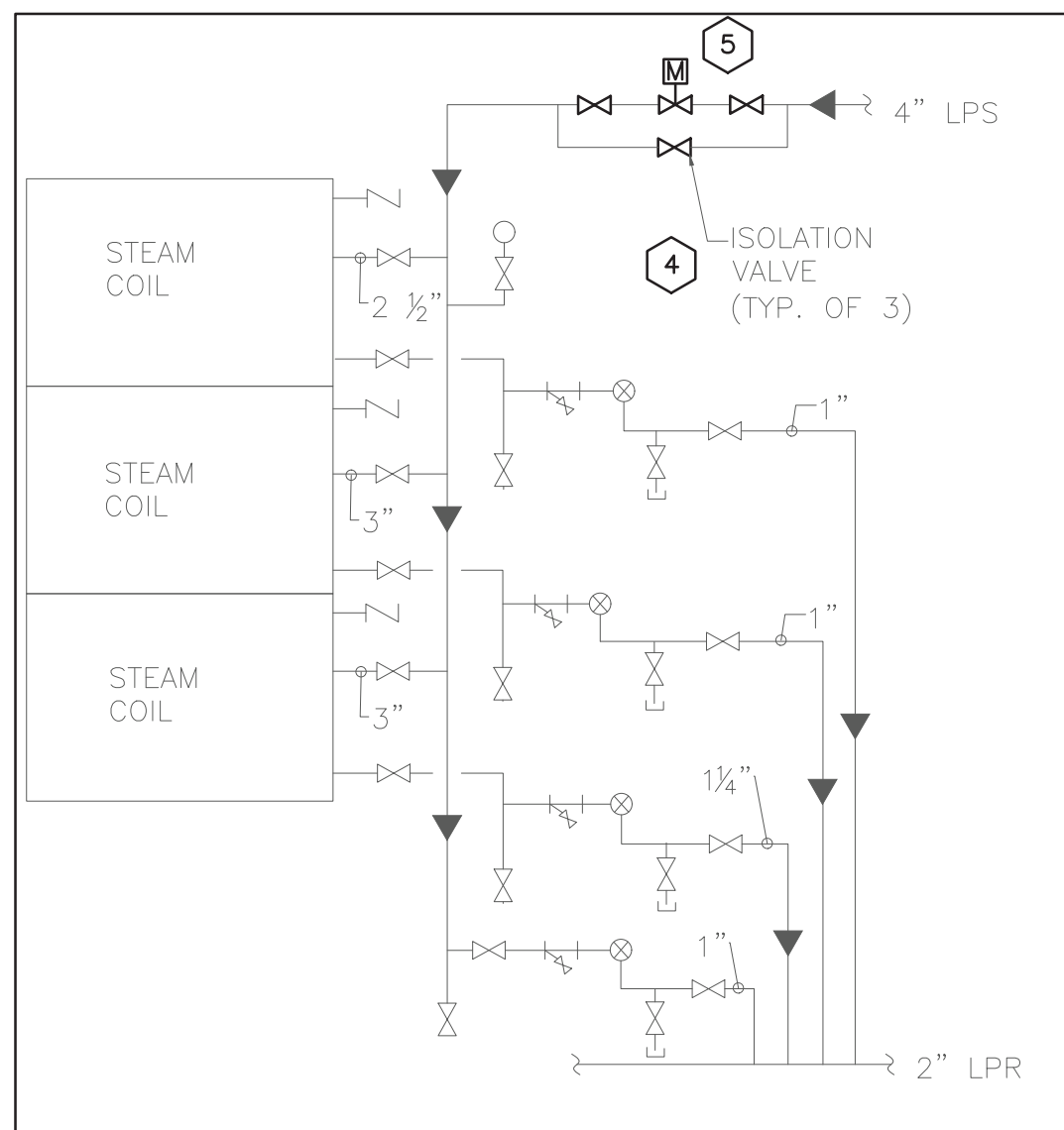
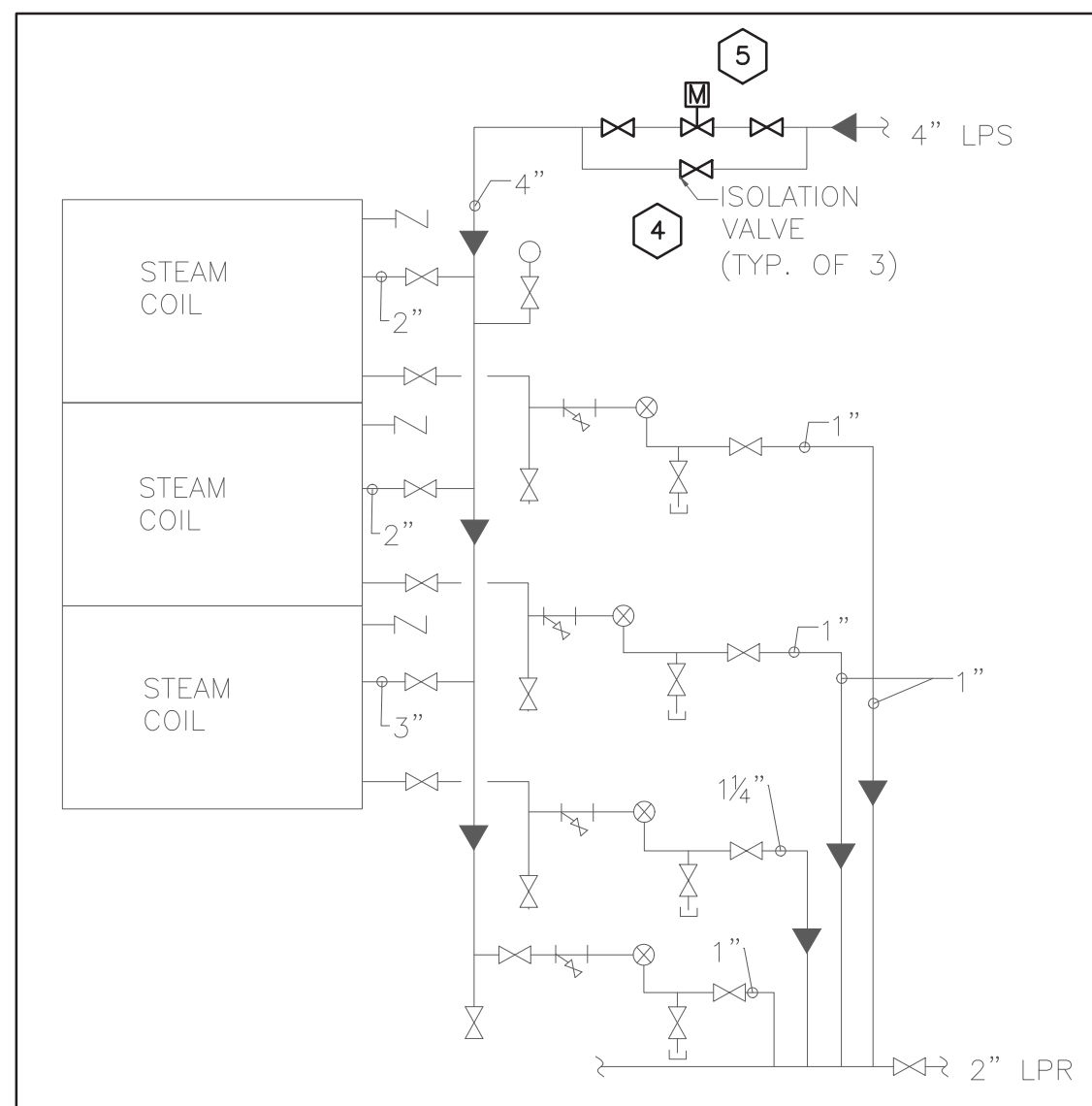


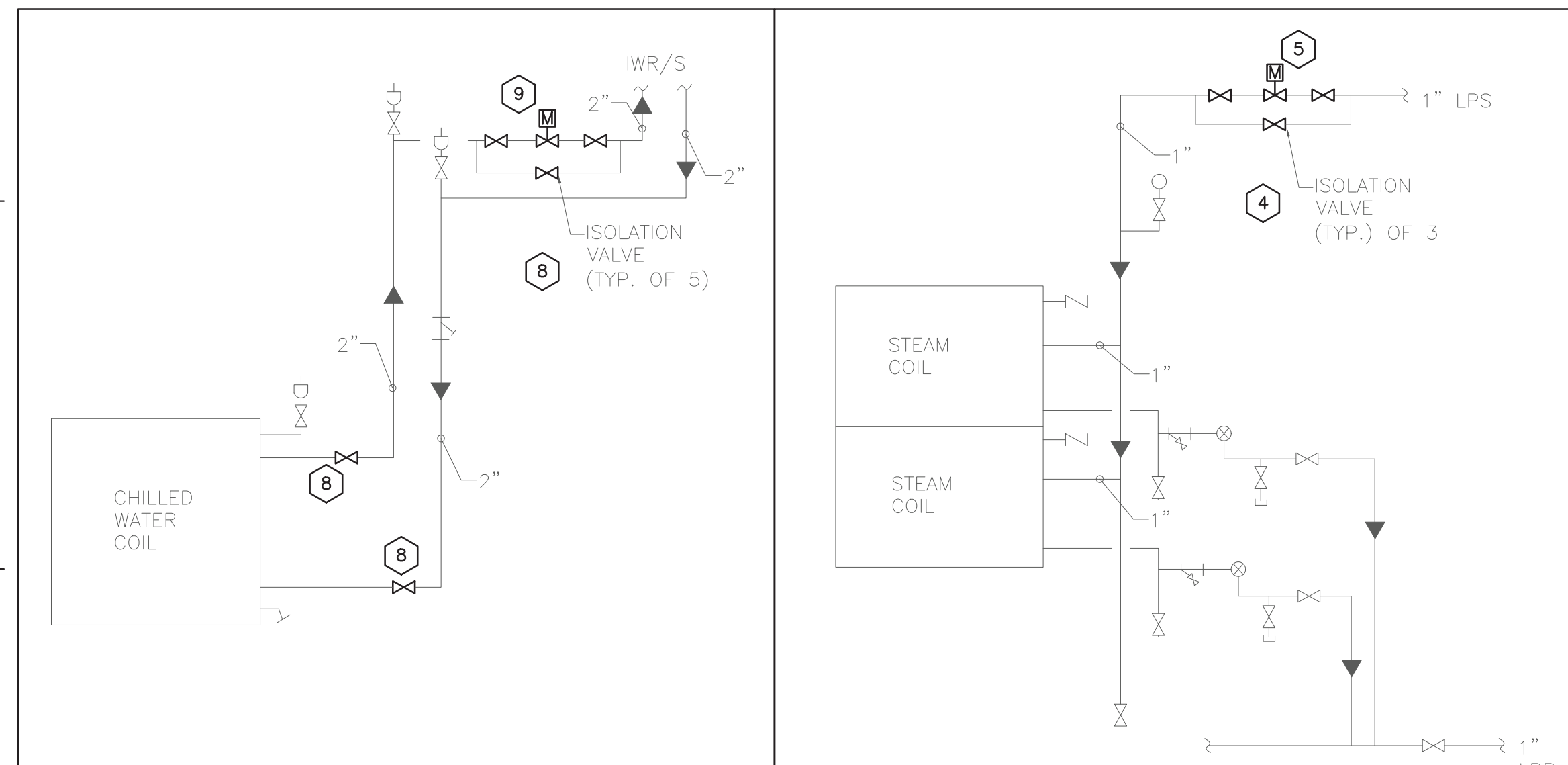
1 MECHANICAL ROOM 1 CONSTRUCTION PART PLAN
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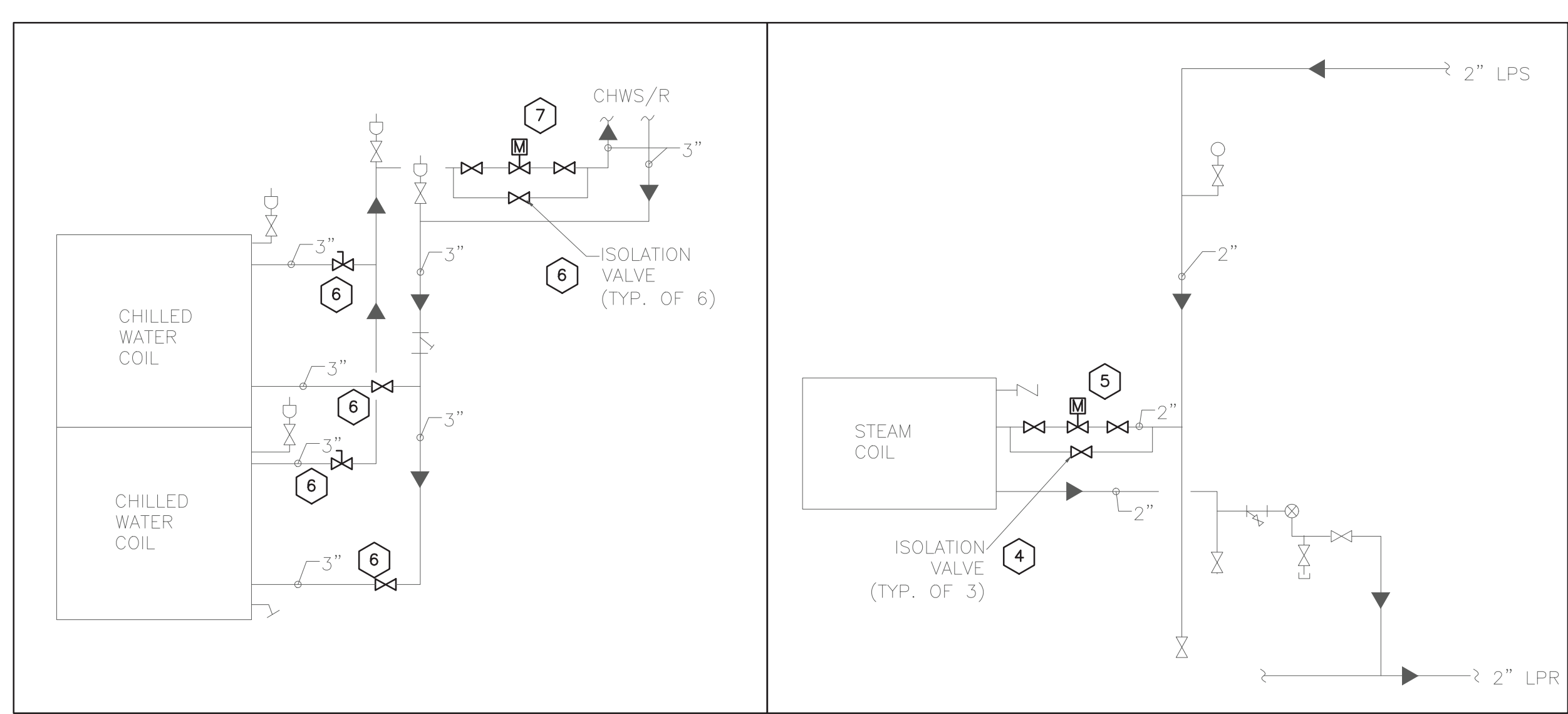
2 HV-1 CONSTRUCTION COIL DETAILS
SCALE: NOT TO SCALE



3 AC-1 CONSTRUCTION COIL DETAILS
SCALE: NOT TO SCALE



4 AC-5 CONSTRUCTION COIL DETAILS
SCALE: NOT TO SCALE



5 AC-4 CONSTRUCTION COIL DETAILS
SCALE: NOT TO SCALE

GENERAL NOTES

- ALL PENETRATIONS TO THROUGH THE CEILING TO BE SEALED AS IF CEILING IS 1-HR FIRE RATED.
- PHASING WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE OWNER AND THE PROPOSED PHASING ON M-001. CONTRACTOR SHALL SUBMIT A PHASING PLAN FOR REVIEW AND APPROVAL BY DASNY, OMH/COOK CHILL FACILITY, AND EME. CONTRACTOR SHALL PROVIDE A SCHEDULE PER SPECIFICATION 013200 AND SCHEDULE SHALL BE CONSISTENT WITH APPROVED PHASING PLAN.
- FIRESTOPPING IS REQUIRED FOR ALL RATED PARTITIONS AS SHOWN ON DRAWING M-002.

KEYED CONSTRUCTION NOTES

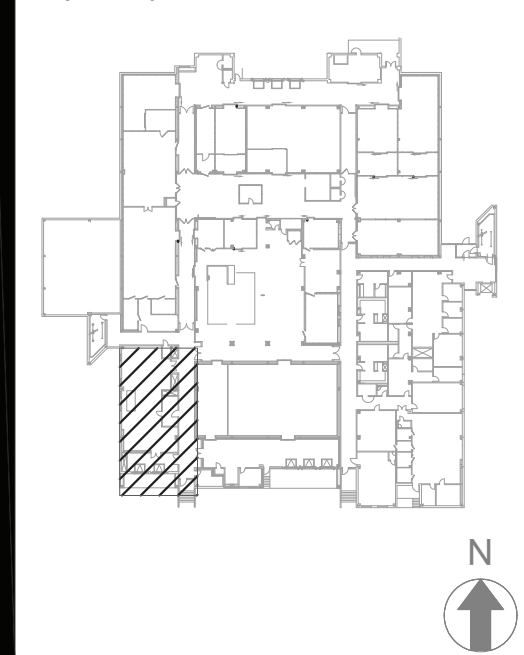
- FURNISH AND INSTALL NEW CONTROLLERS WITHIN NEW LOCKABLE ENCLOSURE WITH EXTRA SPACE FOR FUTURE CONTROLS EXPANSION. ALL EQUIPMENT PREVIOUSLY CONTROLLED BY CONTROLLER TO BE RECONNECTED TO NEW CONTROLLER AS INDICATED ON PLANS. CONTROLLER TO BE CONNECTED TO NEW BMS. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. ANY CABLES TO NETWORK PENETRATING MECHANICAL SHAFT WALL TO RUN THROUGH ASSOCIATED FIRE RATING CABLE SLEEVE. FIRE STOPPING TO BE INSTALLED AROUND ANY RACEWAY PENETRATIONS OF FIRE RATED CONSTRUCTION. REFER TO M-002 DRAWING FOR FIRE RATINGS.
- FURNISH AND INSTALL NEW BLANK FACE DDC TEMPERATURE SENSORS AT LOCATIONS OF PREVIOUS SENSORS. CONTRACTOR IS TO FURNISH AND INSTALL NEW ELECTRICAL BOX, WHERE REQUIRED AND INTEGRATE SENSORS TO THE BMS.
- FURNISH AND INSTALL NEW DAMPER AND ELECTRIC ACTUATOR IN LOCATION OF PREVIOUS DAMPER TO BE CONNECTED TO SAME CONTROLLER AS ASSOCIATED SYSTEM.
- FURNISH AND INSTALL NEW ISOLATION VALVES ON LPS SERVING AHU HEATING COILS AND HEAT EXCHANGERS. REFER TO M-001 FOR PHASING PLAN AND COIL AND DETAILS FOR QUANTITIES AND SIZES.
- FURNISH AND INSTALL NEW ELECTRIC ACTUATED 2-WAY STEAM CONTROL VALVE ON LPS PIPE SERVING HEATING COIL. RECONNECT TO SAME CONTROLLER AS ASSOCIATED SYSTEM. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. INSULATE ALL PIPING AND FITTINGS IN ACCORDANCE TO SPECIFICATION 230719. CONTRACTOR TO PROVIDE CONTROL WIRING, CONDUIT, AND OTHER CONTROL DEVICES.
- FURNISH AND INSTALL NEW ISOLATION VALVES ON CHWS AND CHWR SERVING AHU COOLING COILS. REFER TO M-001 FOR PHASING PLAN AND COIL AND DETAILS FOR QUANTITIES AND SIZES.
- FURNISH AND INSTALL NEW ELECTRIC ACTUATED 2-WAY HYDRONIC CONTROL VALVE ON CHWR PIPE SERVING COOLING COIL. RECONNECT TO SAME CONTROLLER AS ASSOCIATED SYSTEM. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. INSULATE ALL PIPING AND FITTINGS IN ACCORDANCE TO SPECIFICATION 230719. CONTRACTOR TO PROVIDE CONTROL WIRING, CONDUIT, AND OTHER CONTROL DEVICES.
- FURNISH AND INSTALL NEW ISOLATION VALVES ON IWS AND IWR SERVING AHU COOLING COILS. REFER TO M-001 FOR PHASING PLAN AND COIL AND DETAILS FOR QUANTITIES AND SIZES.
- FURNISH AND INSTALL NEW ELECTRIC ACTUATED 2-WAY HYDRONIC CONTROL VALVE ON IWR PIPE SERVING COOLING COIL. RECONNECT TO SAME CONTROLLER AS ASSOCIATED SYSTEM. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. INSULATE ALL PIPING AND FITTINGS IN ACCORDANCE TO SPECIFICATION 230719. CONTRACTOR TO PROVIDE CONTROL WIRING, CONDUIT, AND OTHER CONTROL DEVICES.
- CONTRACTOR TO PROVIDE EXTRA SPACE FOR ADDITIONAL CONTROLS POINTS THAT COULD BE ADDED DURING COMFORT CHILLER REPLACEMENT PROJECT. COORDINATE WITH DASNY AND CCPC.
- FURNISH AND INSTALL NEW ELECTRIC DAMPER ACTUATORS AND CONNECT TO EXISTING DAMPER SHAFT. ACTUATORS TO BE CONNECTED TO SAME CONTROLLER AS ASSOCIATED SYSTEM.

Consultants:



292 Washington Ave Ext
Albany, NY 12203
(518) 862-0882

Project Key



REVISIONS

Rev No	Description	Date:

Client

NEW YORK STATE OF OPPORTUNITY **Office of Mental Health**
44 HOLLAND AVENUE
ALBANY, NY 12229

Project Title

BMS REPLACEMENT
COOK CHILL PRODUCTION CENTER
145 OLD ORANGEBURG ROAD
ORANGEBURG, NY 10962

Drawing Title

MECHANICAL ROOM 1
CONSTRUCTION
PART PLAN

Phase

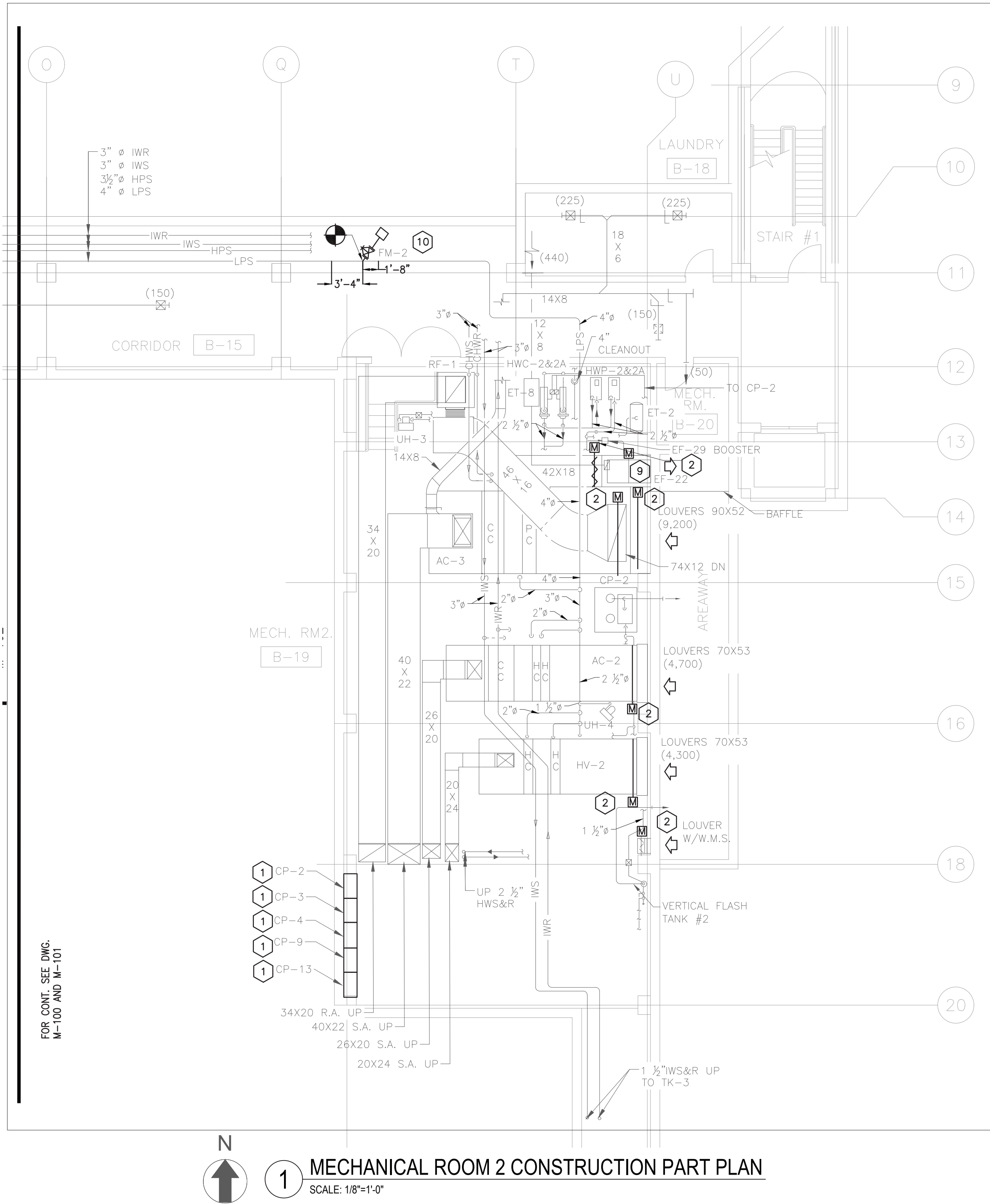
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Drawn By: Checked By: Date: 10/15/2021

Seal & Signature DASNY Project No: 360880

Drawing Number **M-101**

Drawing 12 of 30



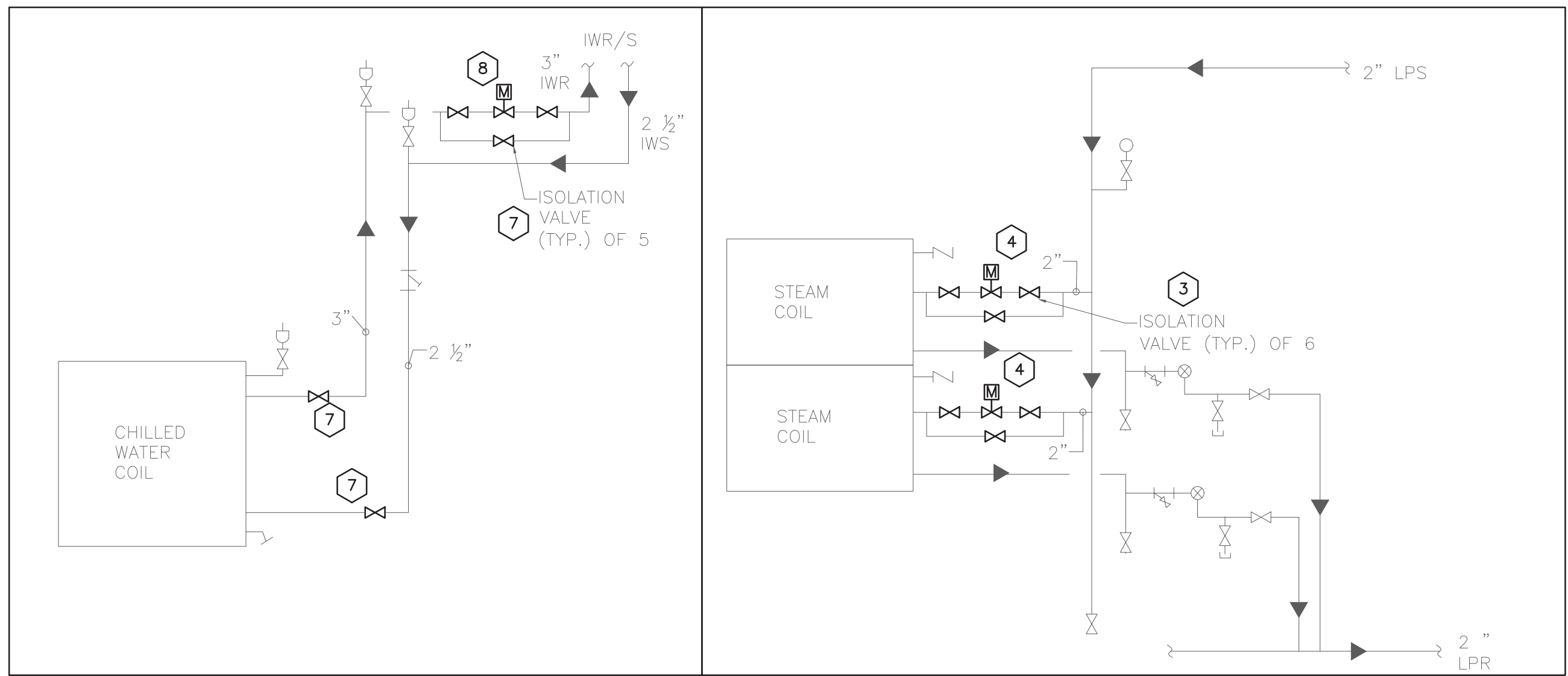
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GENERAL NOTES

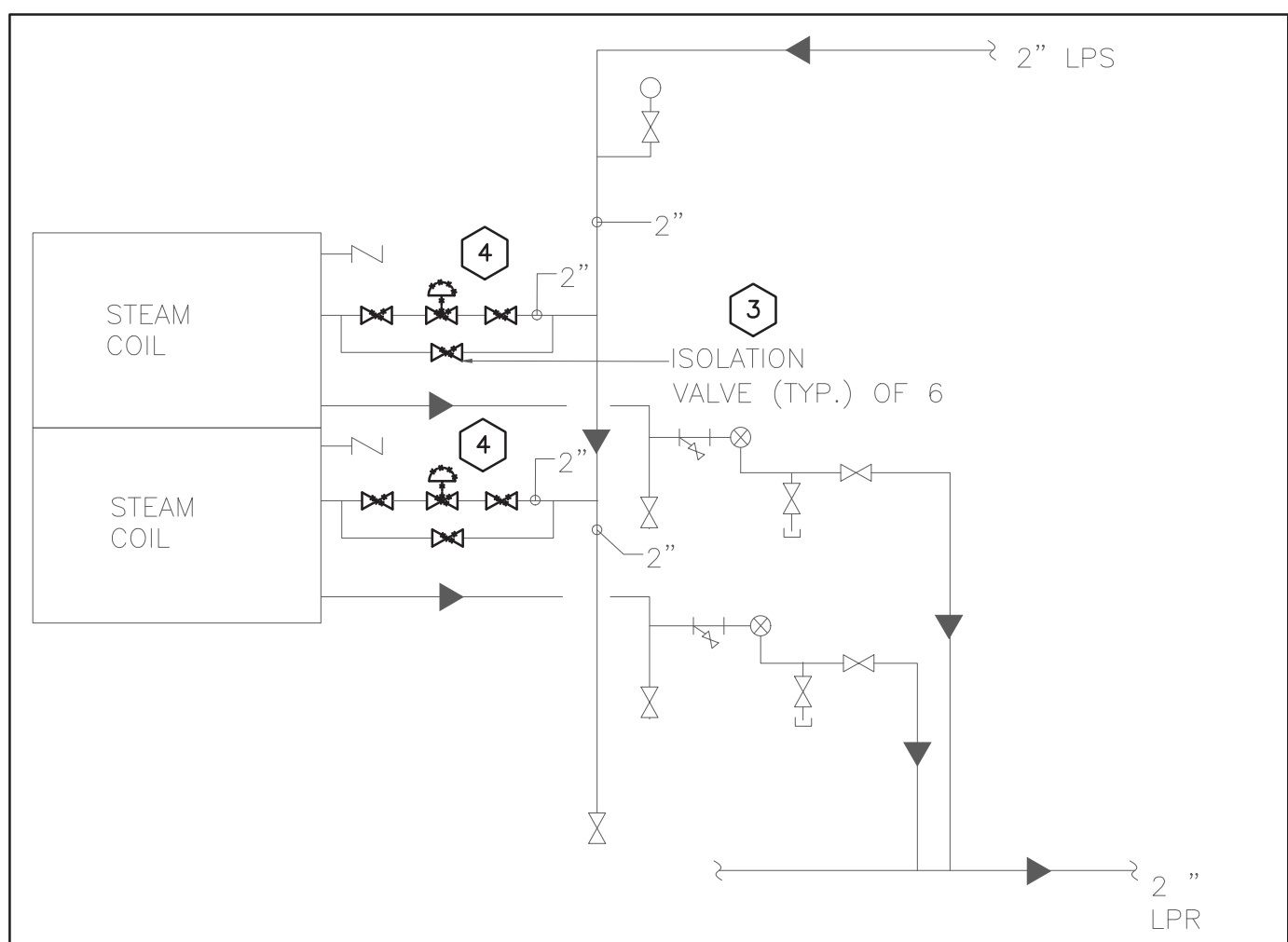
1. ALL PENETRATIONS TO THROUGH THE CEILING TO BE SEALED AS IF CEILING IS 1-HR FIRE RATED.
2. PHASING WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE OWNER AND THE PROPOSED PHASING ON M-001. CONTRACTOR SHALL SUBMIT A PHASING PLAN FOR REVIEW AND APPROVAL BY DASNY, OMH/COOK CHILL FACILITY, AND EME. CONTRACTOR SHALL PROVIDE A SCHEDULE PER SPECIFICATION 013200 AND SCHEDULE SHALL BE CONSISTENT WITH APPROVED PHASING PLAN.
3. FIRESTOPPING IS REQUIRED FOR ALL RATED PARTITIONS AS SHOWN ON DRAWING M-002.

KEYED CONSTRUCTION NOTES

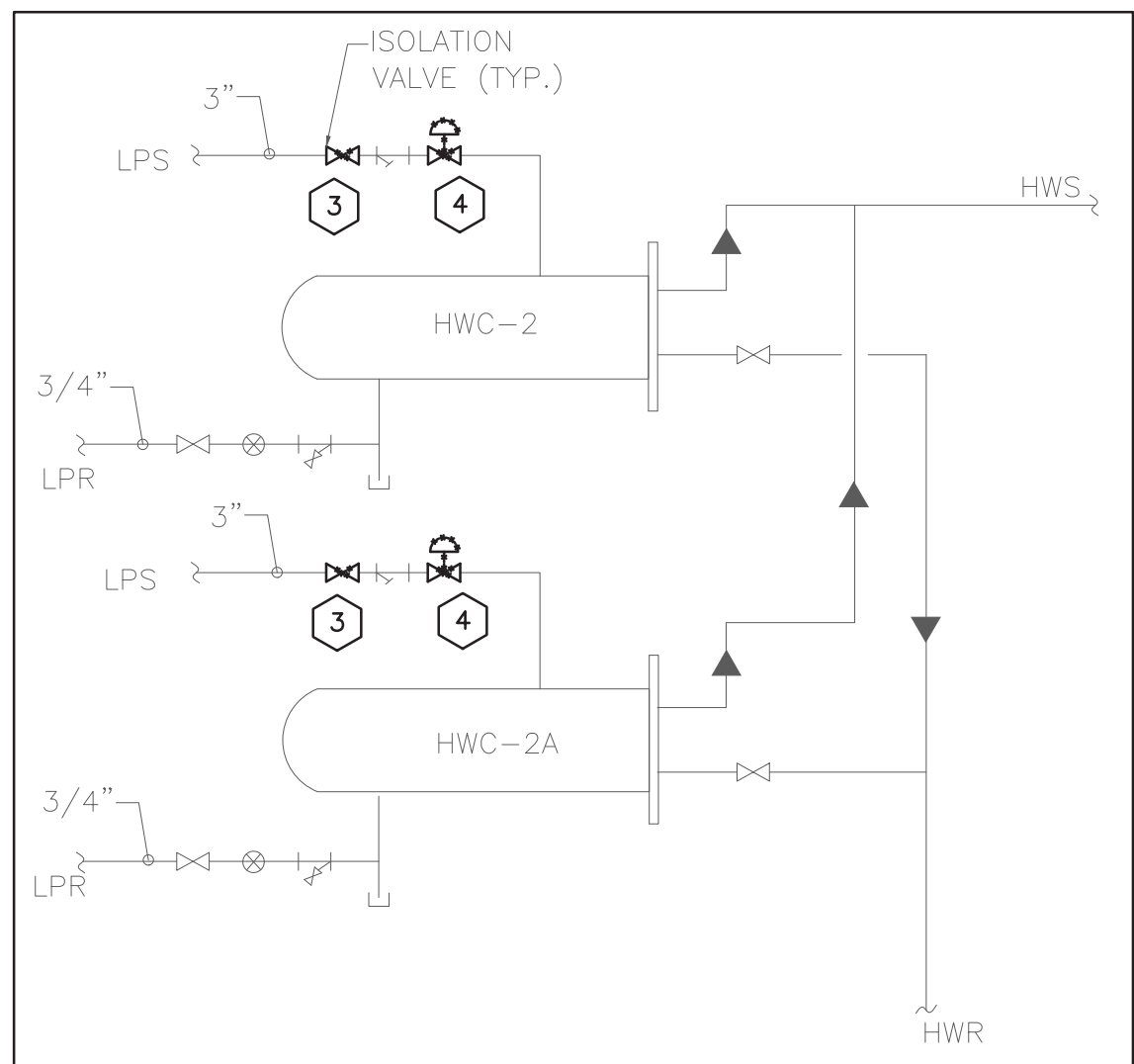
1. FURNISH AND INSTALL NEW CONTROLLERS WITHIN NEW LOCKABLE ENCLOSURE WITH EXTRA SPACE FOR FUTURE CONTROLS EXPANSION. ALL EQUIPMENT PREVIOUSLY CONTROLLED BY CONTROLLER TO BE RECONNECTED TO NEW CONTROLLER AS INDICATED ON PLANS. CONTROLLER TO BE CONNECTED TO NEW BMS. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. ANY CABLES TO NETWORK PENETRATING MECHANICAL SHAFT WALL TO RUN THROUGH ASSOCIATED FIRE RATING CABLE SLEEVE. FIRE STOPPING TO BE INSTALLED AROUND ANY RACEWAY PENETRATIONS OF FIRE RATED CONSTRUCTION. REFER TO M-002 DRAWING FOR FIRE RATINGS.
2. FURNISH AND INSTALL NEW DAMPER AND ELECTRIC ACTUATOR IN LOCATION OF PREVIOUS DAMPER TO BE CONNECTED TO SAME CONTROLLER AS ASSOCIATED SYSTEM.
3. FURNISH AND INSTALL NEW ISOLATION VALVES ON LPS SERVING AHU HEATING COILS AND HEAT EXCHANGERS. REFER TO M-001 FOR PHASING PLAN AND COIL AND DETAILS FOR QUANTITIES AND SIZES.
4. FURNISH AND INSTALL NEW ELECTRIC ACTUATED 2-WAY STEAM CONTROL VALVE ON LPS PIPE SERVING HEATING COIL. RECONNECT TO SAME CONTROLLER AS ASSOCIATED SYSTEM. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. INSULATE ALL PIPING AND FITTINGS IN ACCORDANCE TO SPECIFICATION 230719. CONTRACTOR TO PROVIDE CONTROL WIRING, CONDUIT, AND OTHER CONTROL DEVICES.
5. FURNISH AND INSTALL NEW ISOLATION VALVES ON CHWS AND CHWR SERVING AHU COOLING COILS. REFER TO M-001 FOR PHASING PLAN AND COIL AND DETAILS FOR QUANTITIES AND SIZES.
6. FURNISH AND INSTALL NEW ELECTRIC ACTUATED 2-WAY HYDRONIC CONTROL VALVE ON CHWR PIPE SERVING COOLING COIL. RECONNECT TO SAME CONTROLLER AS ASSOCIATED SYSTEM. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. INSULATE ALL PIPING AND FITTINGS IN ACCORDANCE TO SPECIFICATION 230719. CONTRACTOR TO PROVIDE CONTROL WIRING, CONDUIT, AND OTHER CONTROL DEVICES.
7. FURNISH AND INSTALL NEW ISOLATION VALVES ON IWS AND IWR SERVING AHU COOLING COILS. REFER TO M-001 FOR PHASING PLAN AND COIL AND DETAILS FOR QUANTITIES AND SIZES.
8. FURNISH AND INSTALL NEW ELECTRIC ACTUATED 2-WAY HYDRONIC CONTROL VALVE ON IWR PIPE SERVING COOLING COIL. RECONNECT TO SAME CONTROLLER AS ASSOCIATED SYSTEM. CONTRACTOR TO PROVIDE SOFTWARE AND GRAPHICS FOR ALL EXISTING AND NEW CONTROL POINTS. INSULATE ALL PIPING AND FITTINGS IN ACCORDANCE TO SPECIFICATION 230719. CONTRACTOR TO PROVIDE CONTROL WIRING, CONDUIT, AND OTHER CONTROL DEVICES.
9. FURNISH AND INSTALL NEW ELECTRIC DAMPER ACTUATORS AND CONNECT TO EXISTING DAMPER SHAFT. ACTUATORS TO BE CONNECTED TO SAME CONTROLLER AS ASSOCIATED SYSTEM.
10. FURNISH AND INSTALL NEW TURBINE STEAM FLOW METER WITH 2" GATE VALVE ON 4" LPS WITH A ROTATION OF 45 DEGREES TO ALLOW REQUIRED CLEARANCE OF METER. METER TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. A MINIMUM 10" DIAMETER UPSTREAM AND 5" DIAMETER DOWNSTREAM OF METER IS REQUIRED. (BASIS OF DESIGN SPIRAX SARCO RIM20). SEE DETAIL 3JM-106.



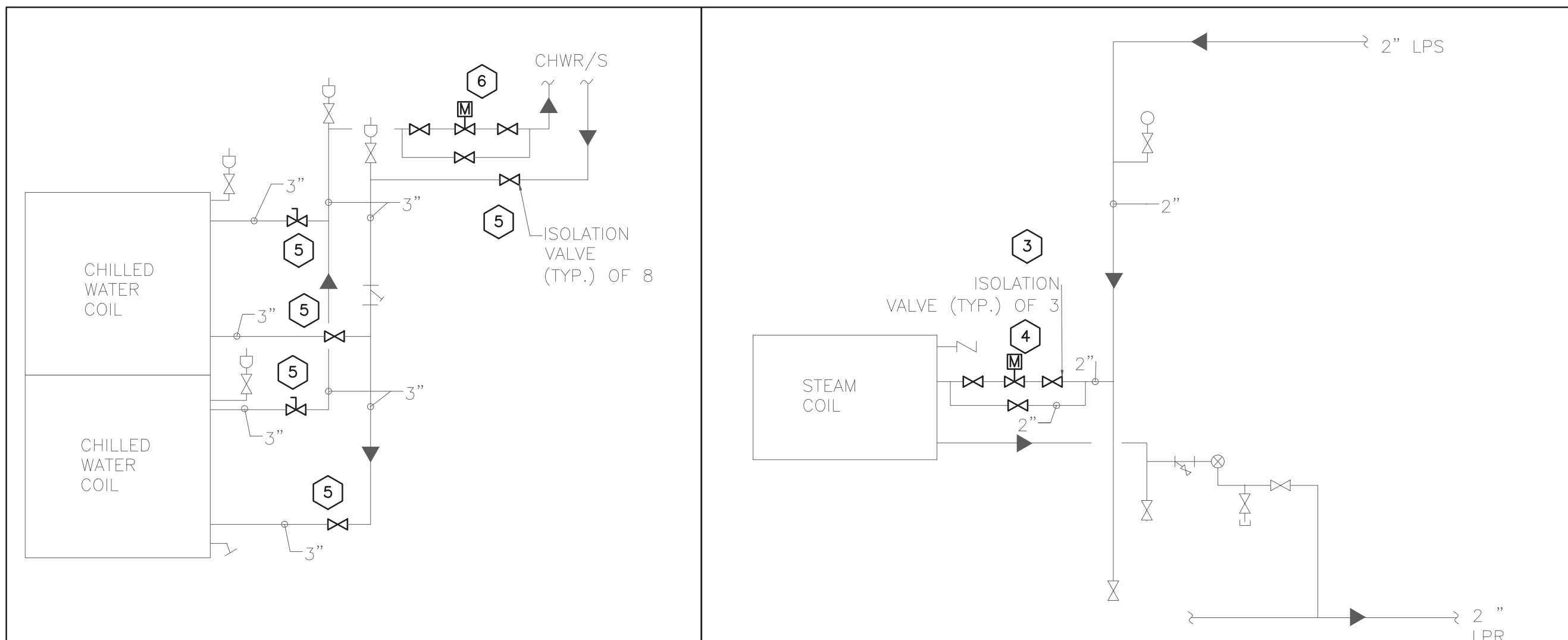
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SCALE: NOT TO SCALE



3 HV-2 CONSTRUCTION COIL DETAILS
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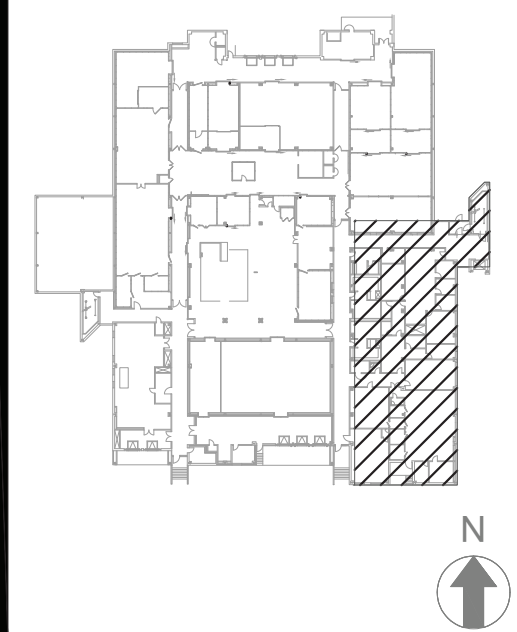


4 HWC-2&2A CONSTRUCTION COIL DETAILS
SCALE: NOT TO SCALE



5 AC-3 CONSTRUCTION COIL DETAILS
SCALE: NOT TO SCALE

Project Key



REVISIONS

Rev No	Description	Date:

Client

Phase

BID DOCUMENTS