

**PROJECT NAME: IN145 SERVICE BLDG – REPLACE AHUS 1&2, ADD DCC CONTROLS TO EXHAUST FANS, REPLACE
ATS
OWNER NAME: INDIANA UNIVERSITY
IU PROJECT NO. 20230575 / CES PROJECT NO. 2024-008.145
ADDENDUM NO. 2
DATED: NOVEMBER 26, 2024**

This Addendum consists of 1 Addendum page(s) and 3 attachment pages totaling 4 pages. This Addendum shall supplement, amend, and become part of the Bid Documents. All Bids shall be based on these modifications. Bidders shall acknowledge the receipt of this addendum on their Bid Form.

PART 1 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

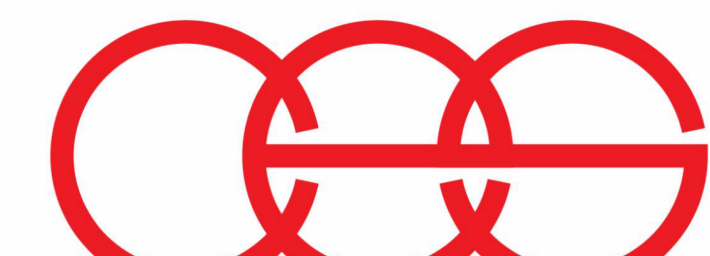
1.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

1.2 M-SERIES DRAWINGS

A. Drawing Number MH102, MP101, M-501

1. DELETE AND REPLACE Drawing MH102, MP101 and M-501 per the attached.

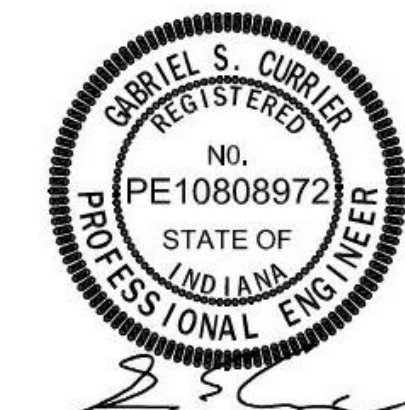
END OF ADDENDUM NO. 2



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DELV
DESIGN

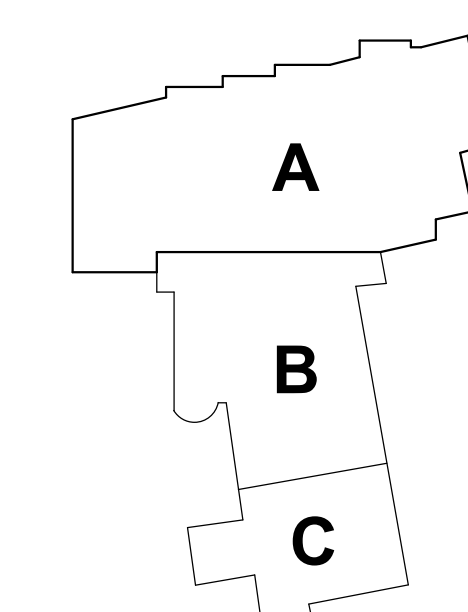
BEUC
BFW CRANE, INC.
PO Box 41
Clear Creek IN 47426
1812 824 4262
bfovea@bfovea.com



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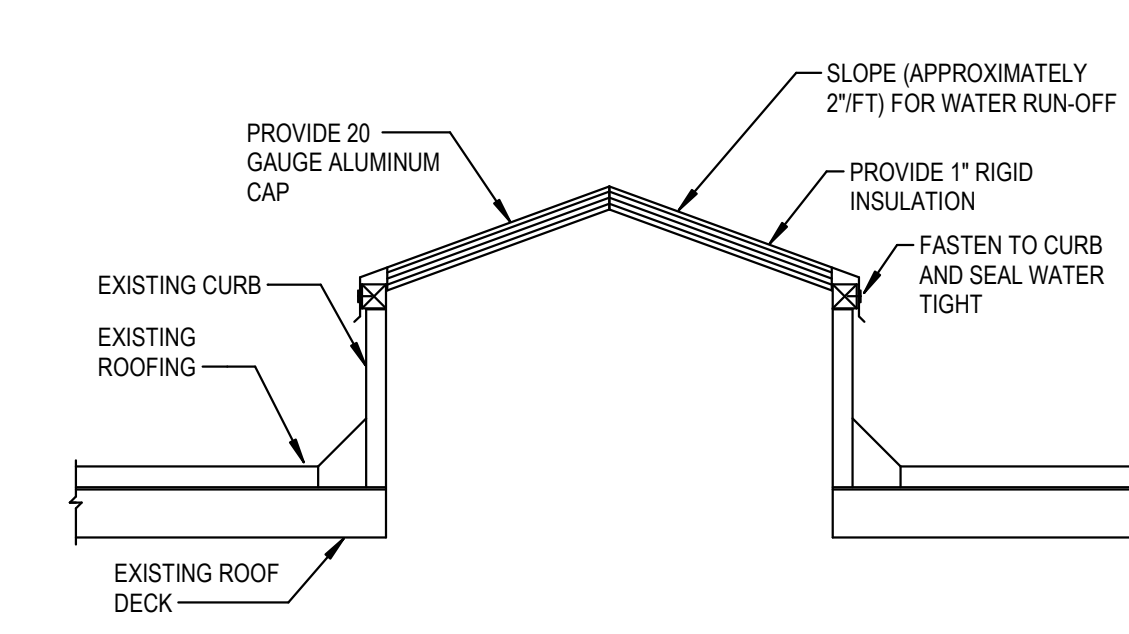
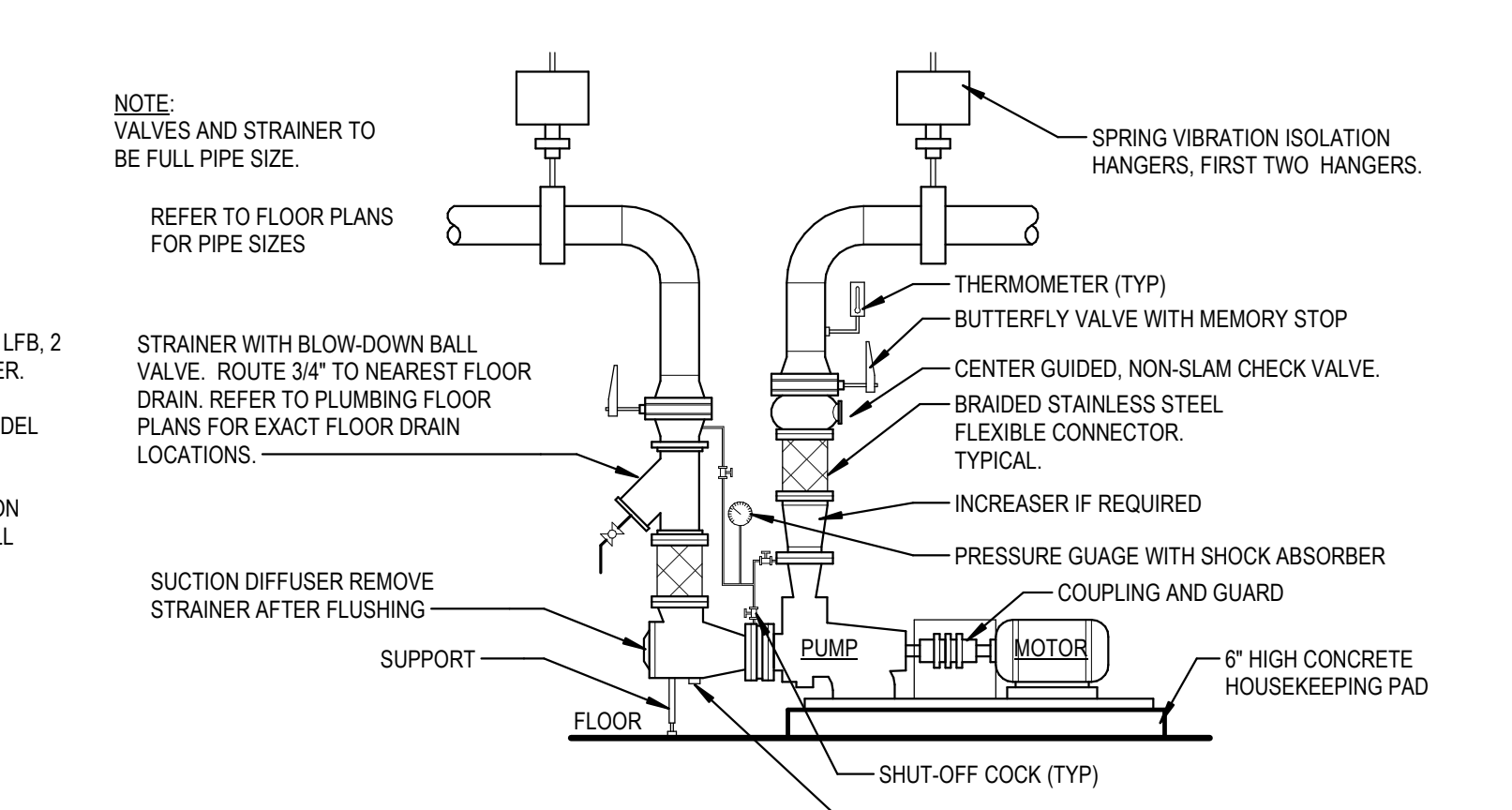
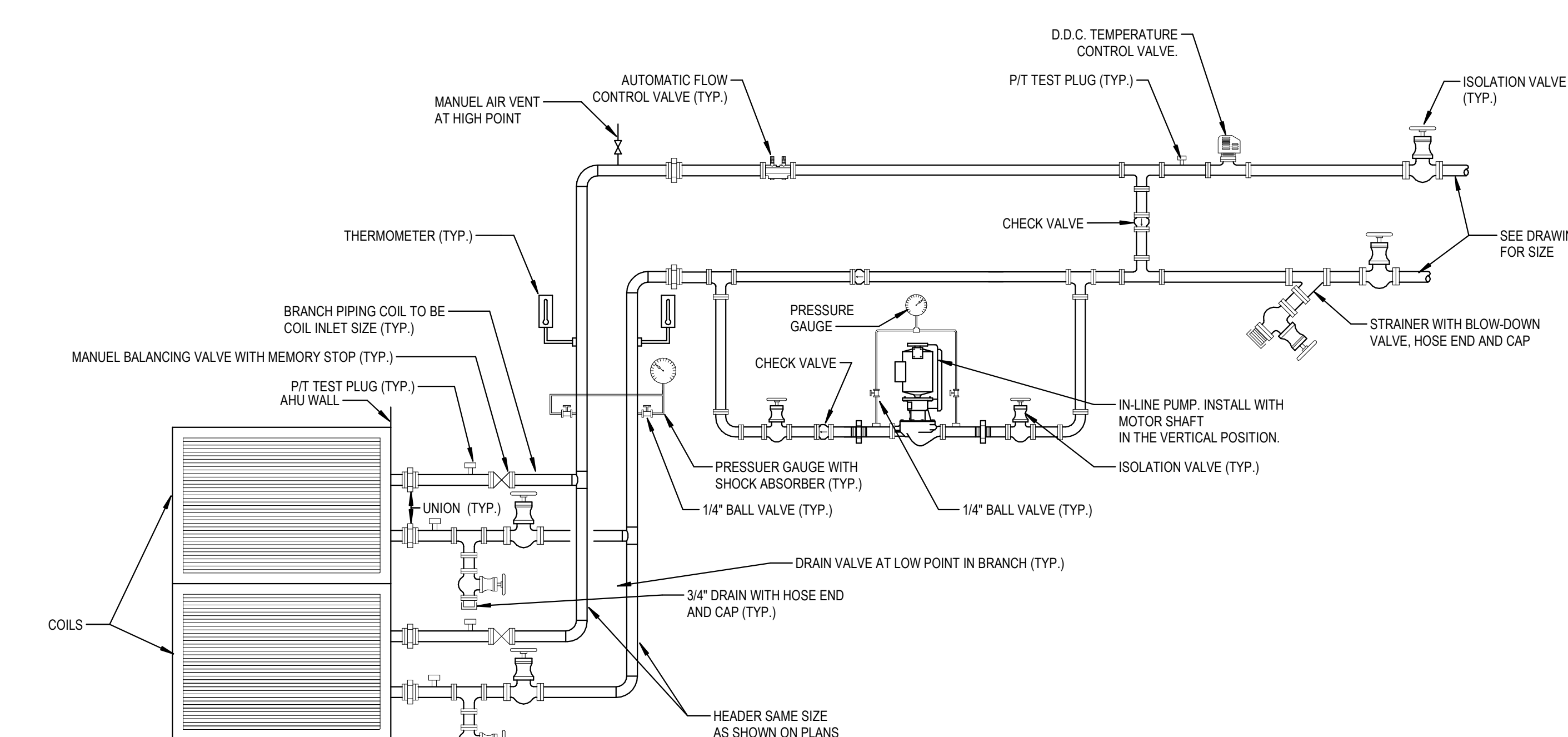
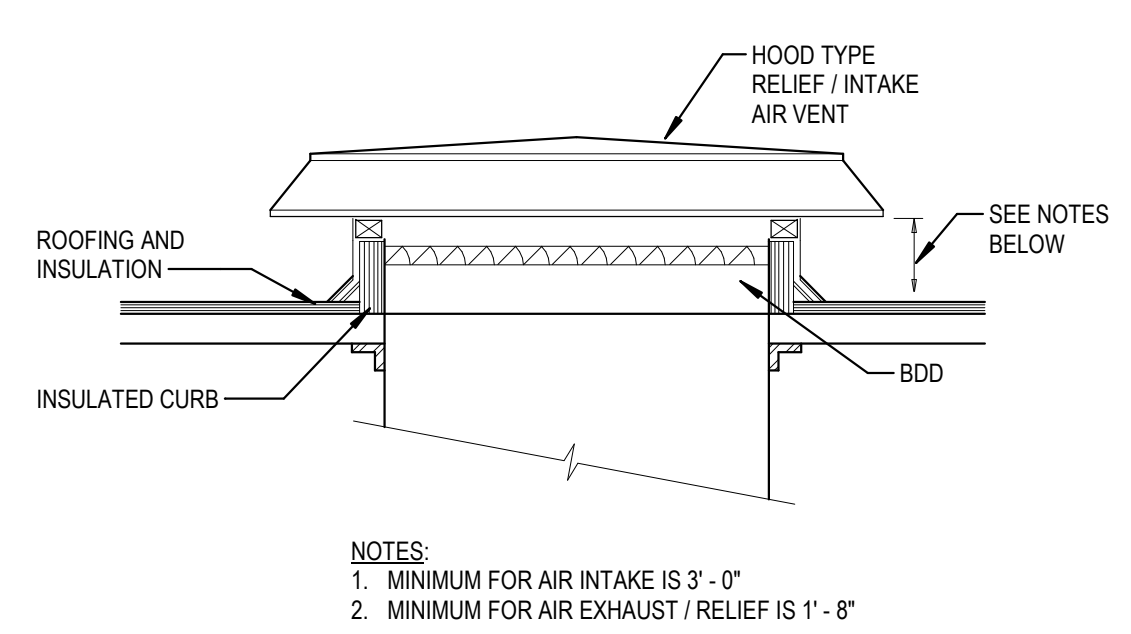
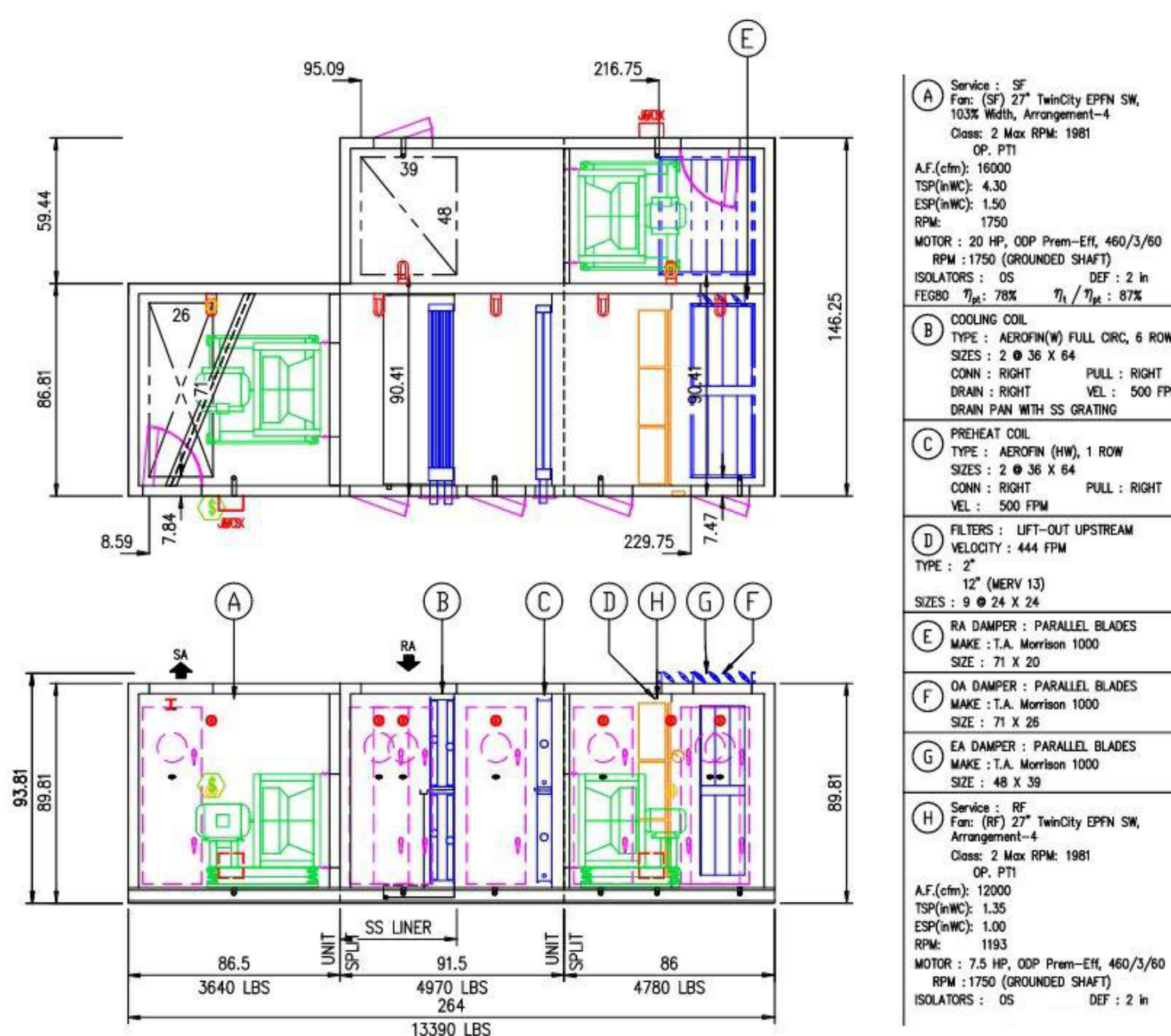
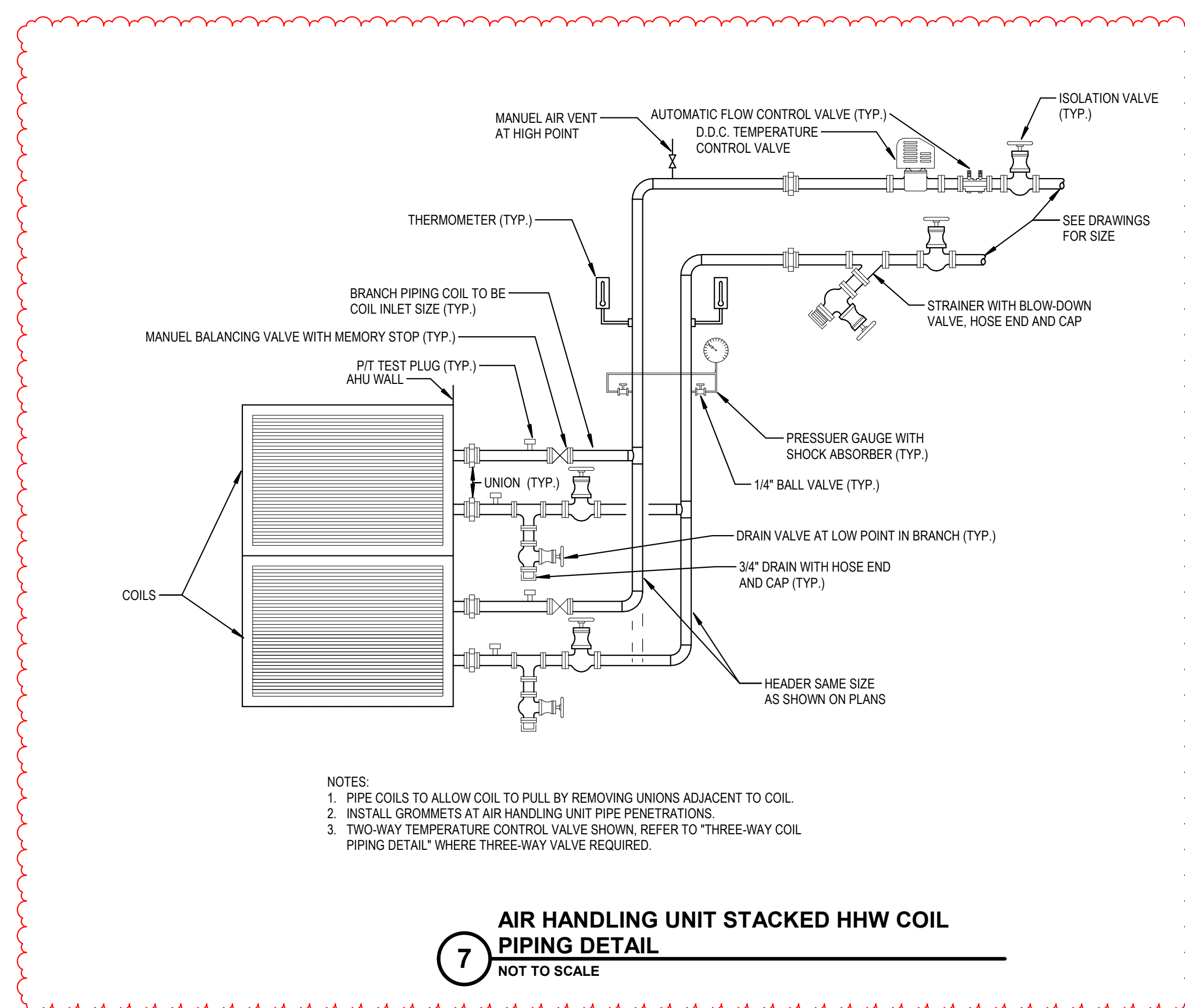
KEY PLAN

#	REVISION	DATE
A2	ADDENDUM #2	11/25/2024

JOB NO. 2024-008.145
PRODUCED CSM
DATE 10/29/2024

MECHANICAL DETAILS

M-501



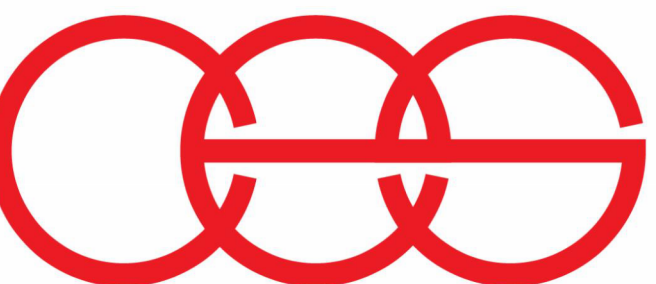
ALL MECHANICAL DETAILS
 DRAWN BY: H. J. HANCOCK
 CHECKED BY: J. S. HANCOCK
 DATE: 10/29/2024

GENERAL HVAC NOTES

- A. DARK LINES INDICATE NEW WORK.
- B. LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

MECHANICAL HVAC PLAN NOTES

- 1. INSTALL WATER DETECTION DEVICE IN CLOSE PROXIMITY COIL CONNECTIONS.
- 2. VFD PROVIDED BY EC.
- 3. EXHAUST DUCT UP TO EH-1 ON ROOF.
- 4. FDI-1 EQUAL TO ZURN MODEL # 282RNH-DG.
- 5. SUPPLY DUCT UP TO MEZZANINE ABOVE.
- 6. RETURN DUCT UP TO MEZZANINE ABOVE.
- 7. OUTSIDE AIR UP TO GI-1 ON ROOF.



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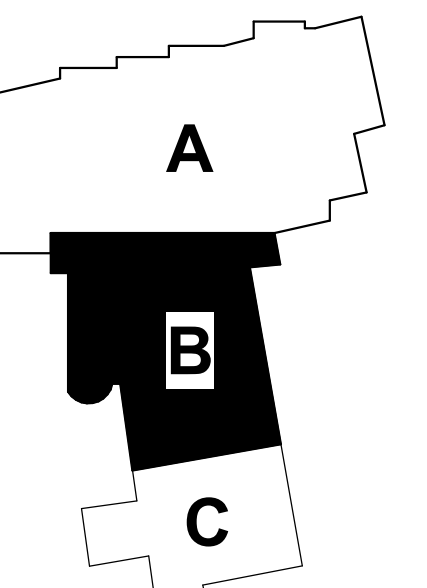
BEUC
BFW CRANE, INC.
PO Box 41
Clear Creek IN 47426
STRUCTURAL
ENGINEERING
(317) 824-4262
bfcraew@comcast.net



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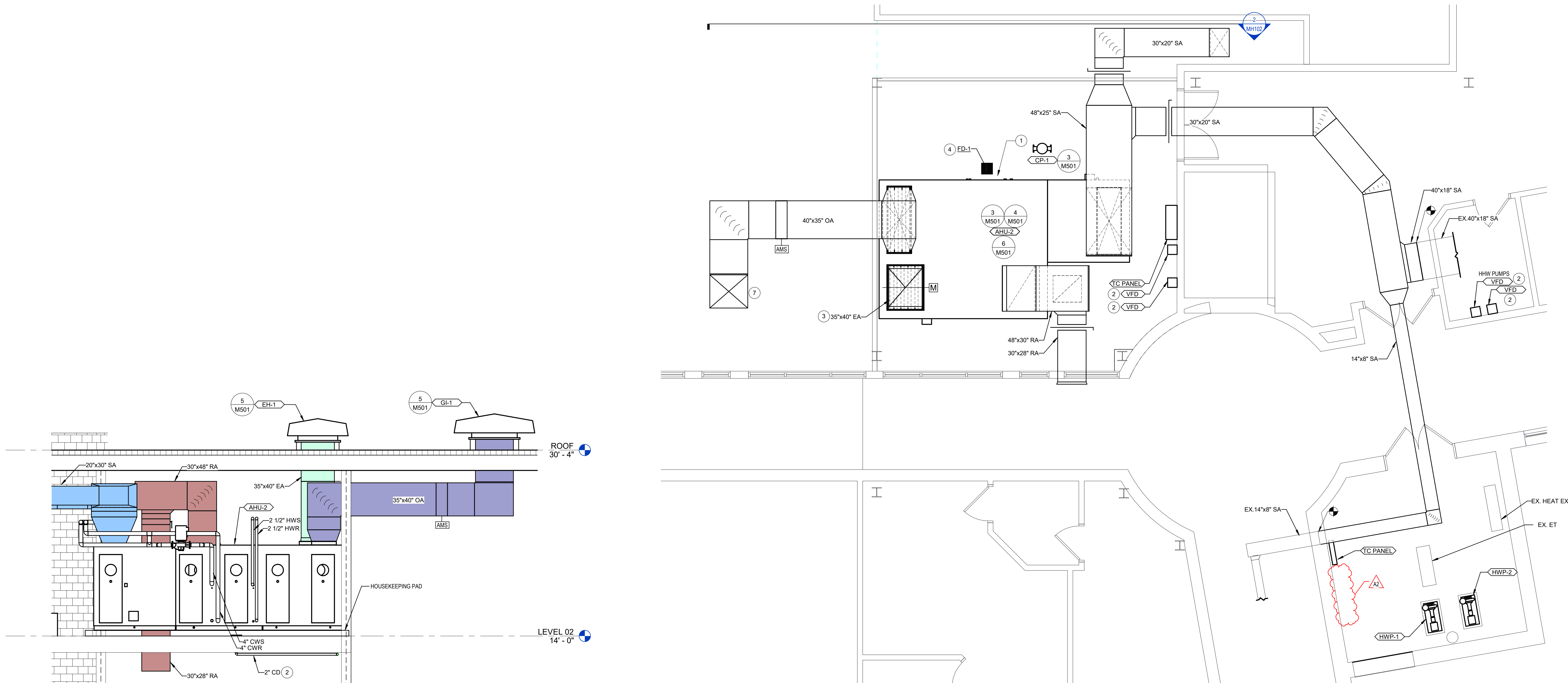
KEY PLAN

#	REVISION	DATE
A2	ADDENDUM #2	11/25/2024

JOB NO. 2024-008.145
PRODUCED BY CSM
DATE 10/29/2024

**MECHANICAL HVAC
SECOND FLOOR PLAN**

MH102



2 AHU-2 ELEVATION
1/4" = 1'-0"

1 MECHANICAL HVAC SECOND FLOOR PLAN
1/4" = 1'-0"

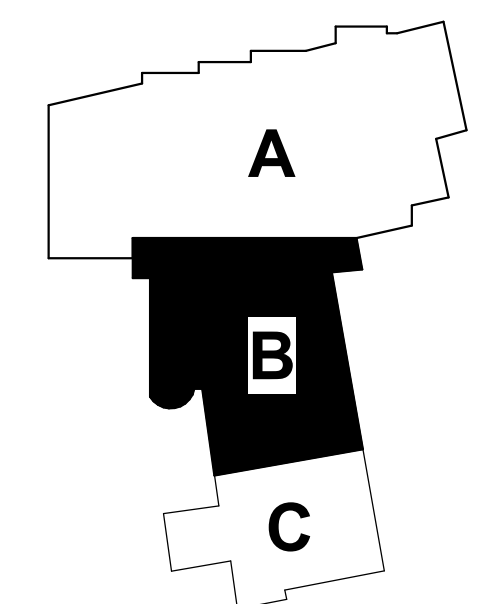
DATE: 11/25/2024
 DRAWN BY: CSM
 CHECKED BY: CSM
 PROJECT: 20230575 - IN145 - AHU AND ATS REPLACEMENT
 SHEET: MECHANICAL HVAC SECOND FLOOR PLAN
 11/25/2024 10:30 AM



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KEY PLAN

#	REVISION	DATE
A2	ADDENDUM #2	11/25/2024

JOB NO. 2024-008.145
PRODUCED CSM
DATE 10/29/2024

MECHANICAL PIPING PLANS

MP101

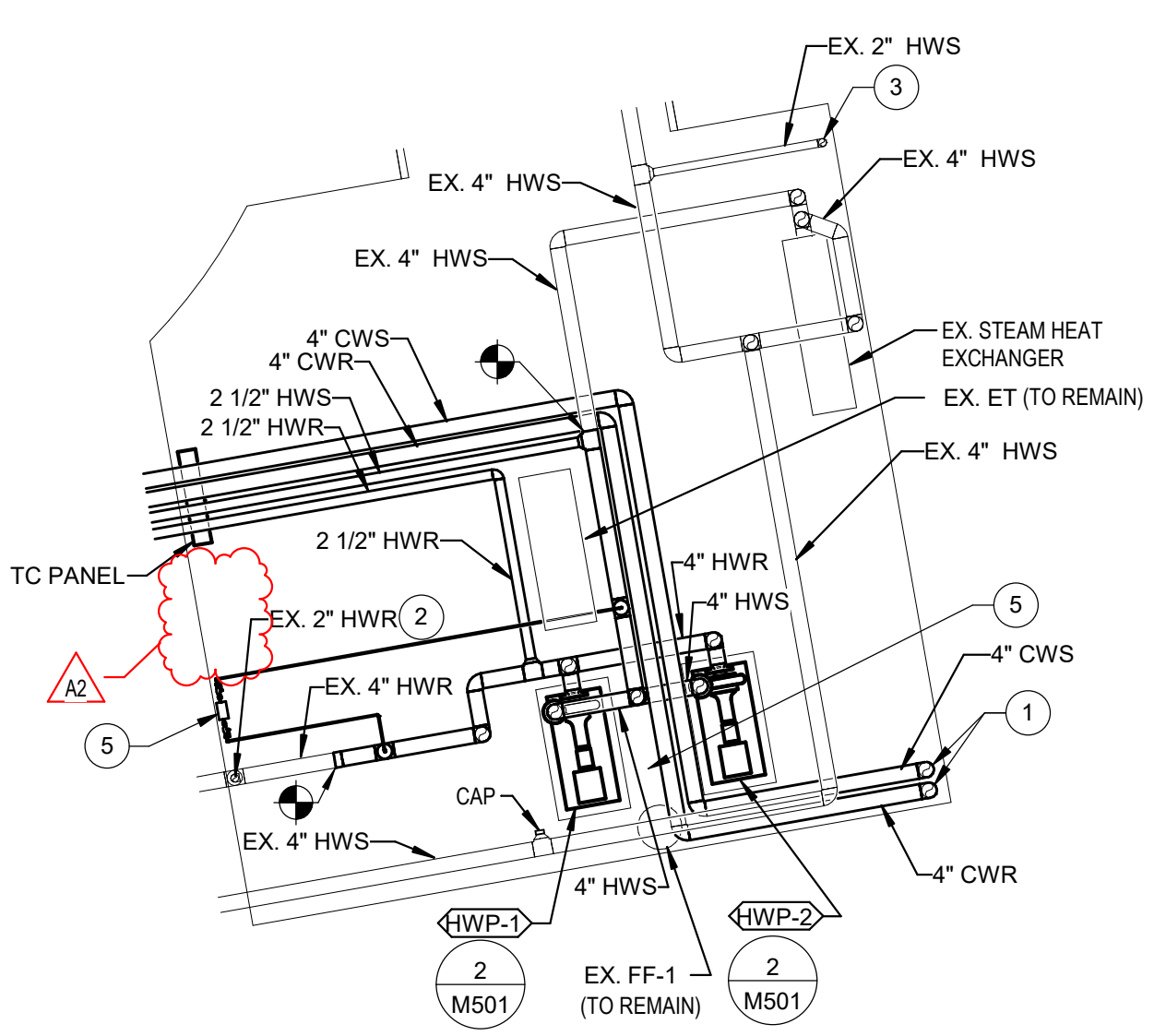
GENERAL PIPING NOTES

- A. DARK LINES INDICATE NEW WORK.
- B. LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
- C. PROVIDE SHUTOFF VALVES AT EVERY BRANCH CONNECTION TO A MAIN.
- D. NEW SHUTOFF VALVES SHALL BE INSTALLED FOR ALL NEW HYDRONIC EQUIPMENT.

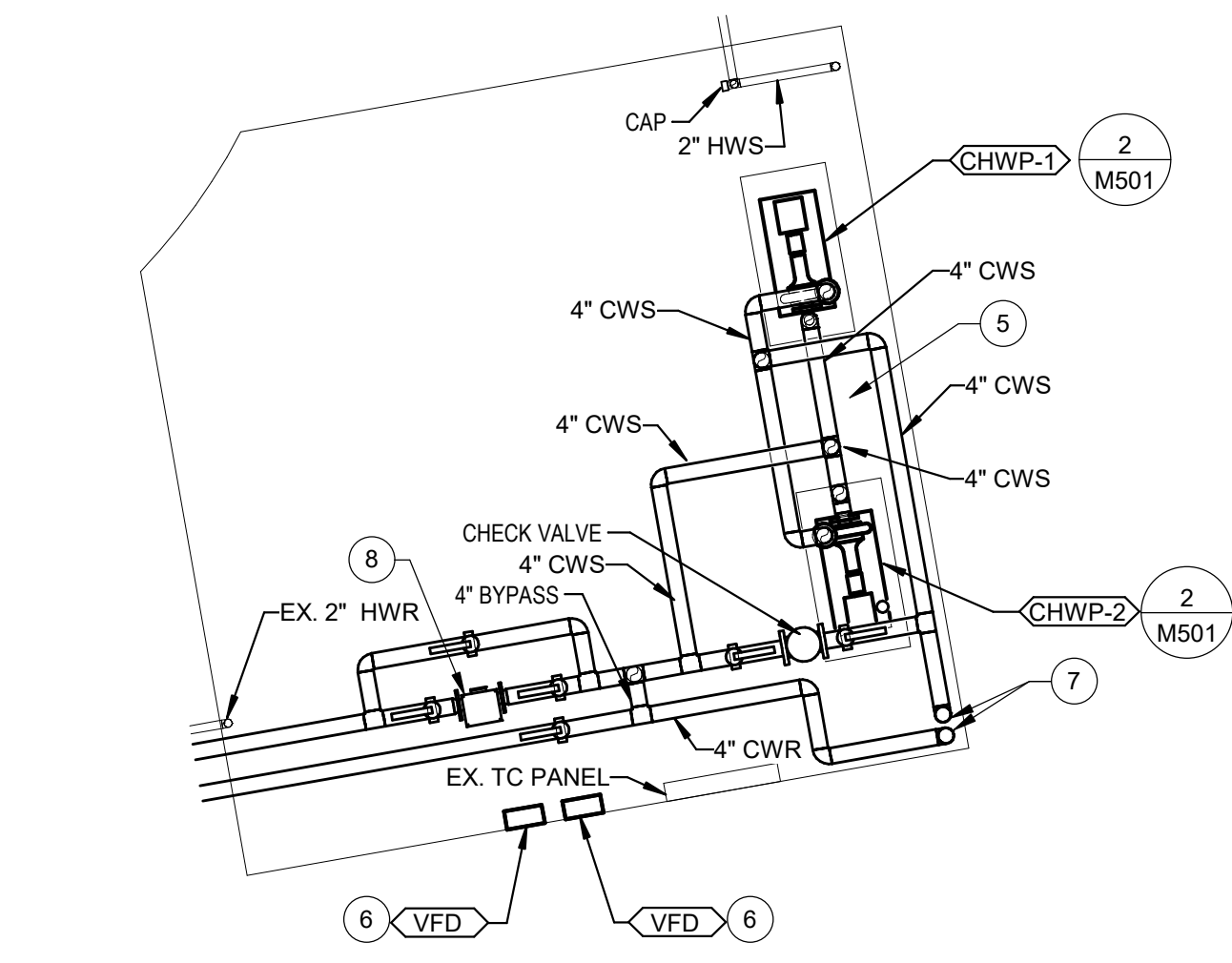
MECHANICAL PIPING PLAN NOTES

- 1 CWS & CWR DOWN TO FIRST FLOOR.
- 2 EXISTING HWR DOWN TO FIRST FLOOR.
- 3 EXISTING HWS DOWN TO FIRST FLOOR.
- 4 2" CONDENSATE DRAIN UP TO FD-1 ON MEZZANINE ABOVE.
- 5 INSTALL WATER DETECTION DEVICE IN CLOSE PROXIMITY COIL CONNECTIONS. WATER DETECTOR FURNISHED BY SIEMENS.
- 6 VFD PROVIDED BY EC.
- 7 CWS & CWR UP TO SECOND FLOOR.
- 8 CCHWS-V (280 GPM). SEE M-701 FOR DETAILS.
- 9 PROVIDE PRESSURE DIFFERENTIAL SENSOR TO CONTROL SPACE PRESSURE PER AHU-2 SEQUENCE OF OPERATION. EXTEND LOW PRESSURE TUBING TO EXTERIOR PRESSURE SENSOR ON NORTH EXTERIOR WALL OF BUILDING. LOCATE HIGH PRESSURE SENSING IN SECOND FLOOR CORRIDOR OR CEILING FLENUM.
- 10 ROUTE 2" COPPER CONDENSATE TIGHT TO BOTTOM OF STRUCTURE. SLOPE PIPE 1/8" PER FOOT.
- 11 ROUTE CONDENSATE DRAIN TO EXISTING FLOOR DRAIN ADJACENT TO AHU-4.
- 12 CONTRACTOR TO EXTEND EXISTING SPRINKLER COVERAGE TO ACCOMMODATE NEW MECHANICAL MEZZANINE AS SHOWN. COVERAGE SHALL MEET ALL STATE AND LOCAL CODES AND NFPA 13.

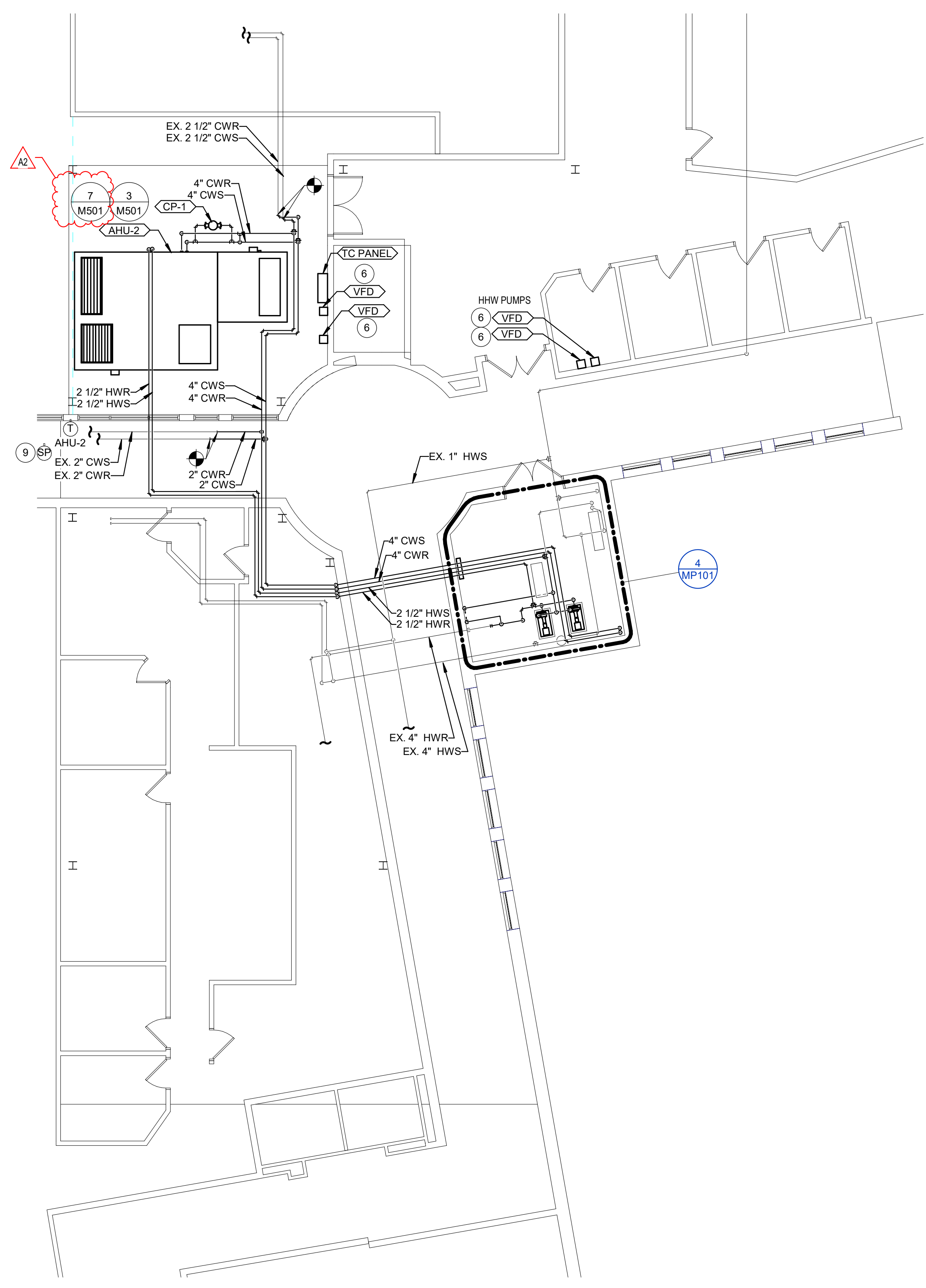
4 ENLARGED SECOND FLOOR MECHANICAL ROOM
1/4" = 1'-0"



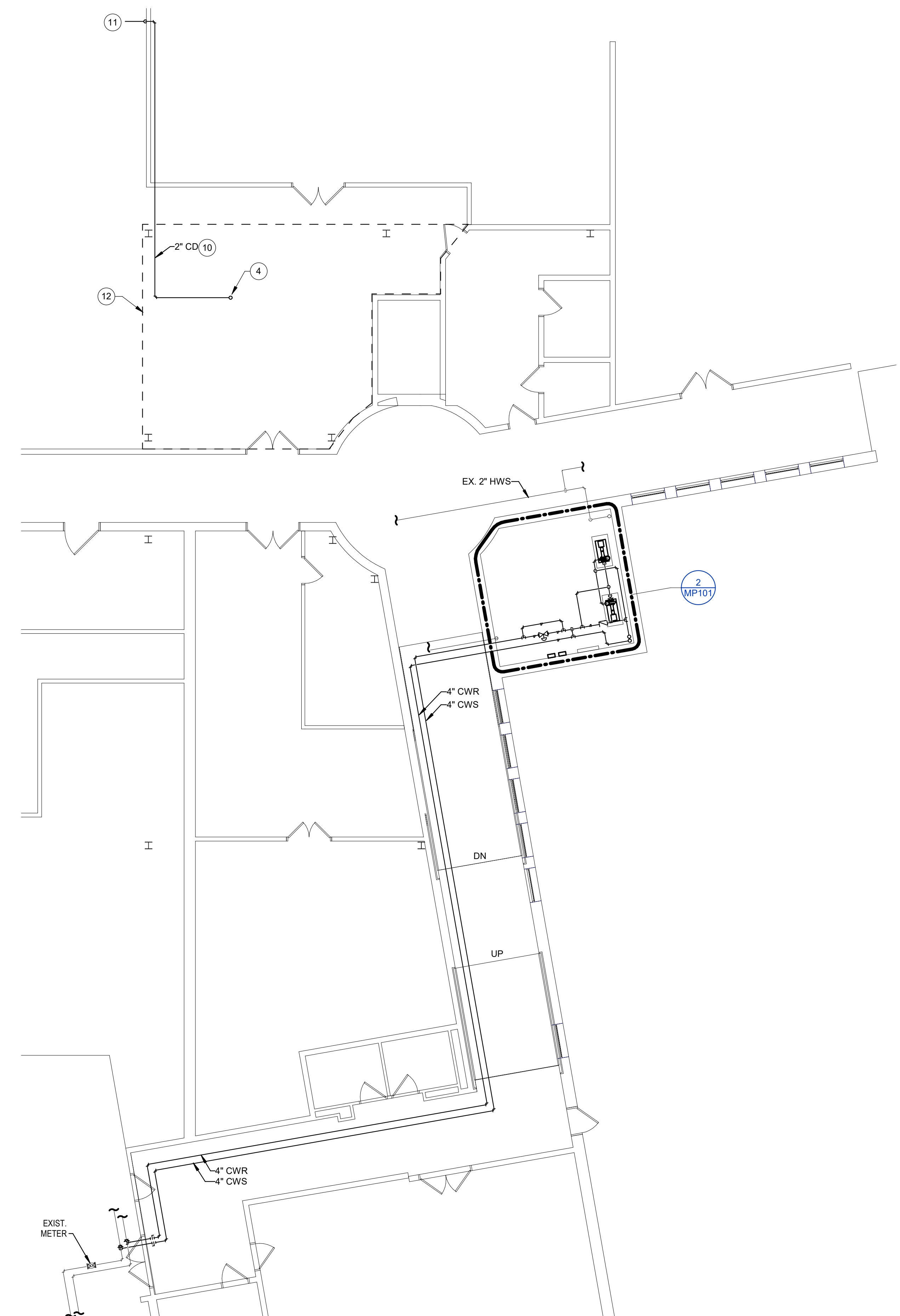
2 ENLARGED FIRST FLOOR MECHANICAL ROOM
1/4" = 1'-0"



3 MECHANICAL PIPING SECOND FLOOR PLAN
1/8" = 1'-0"



1 MECHANICAL PIPING FIRST FLOOR PLAN
1/8" = 1'-0"



MP101_MECHANICAL_PIPING.plt
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