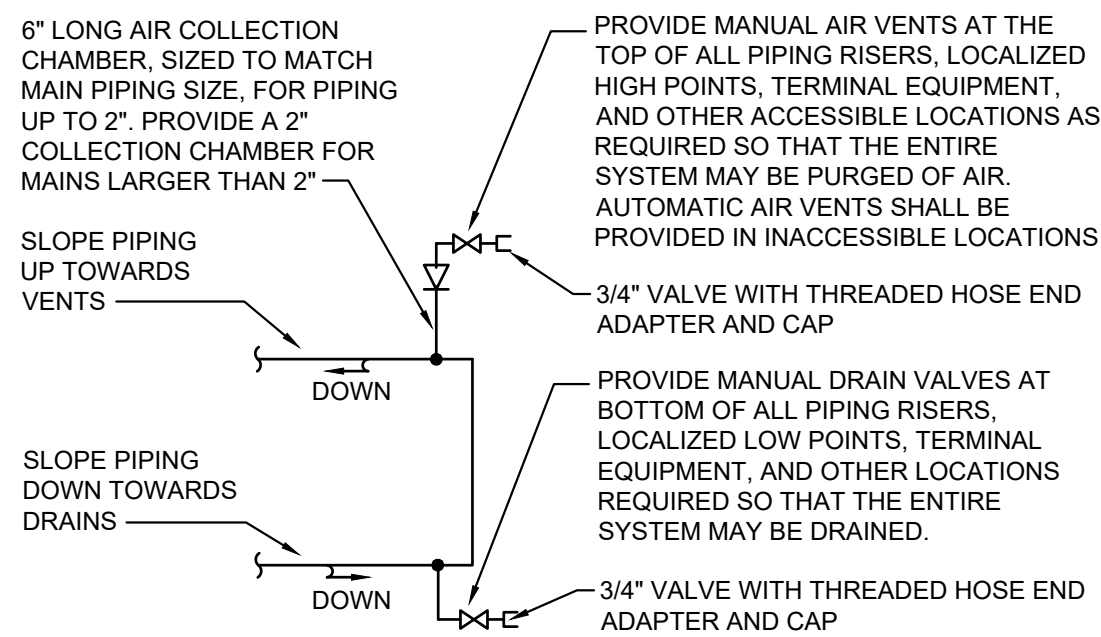
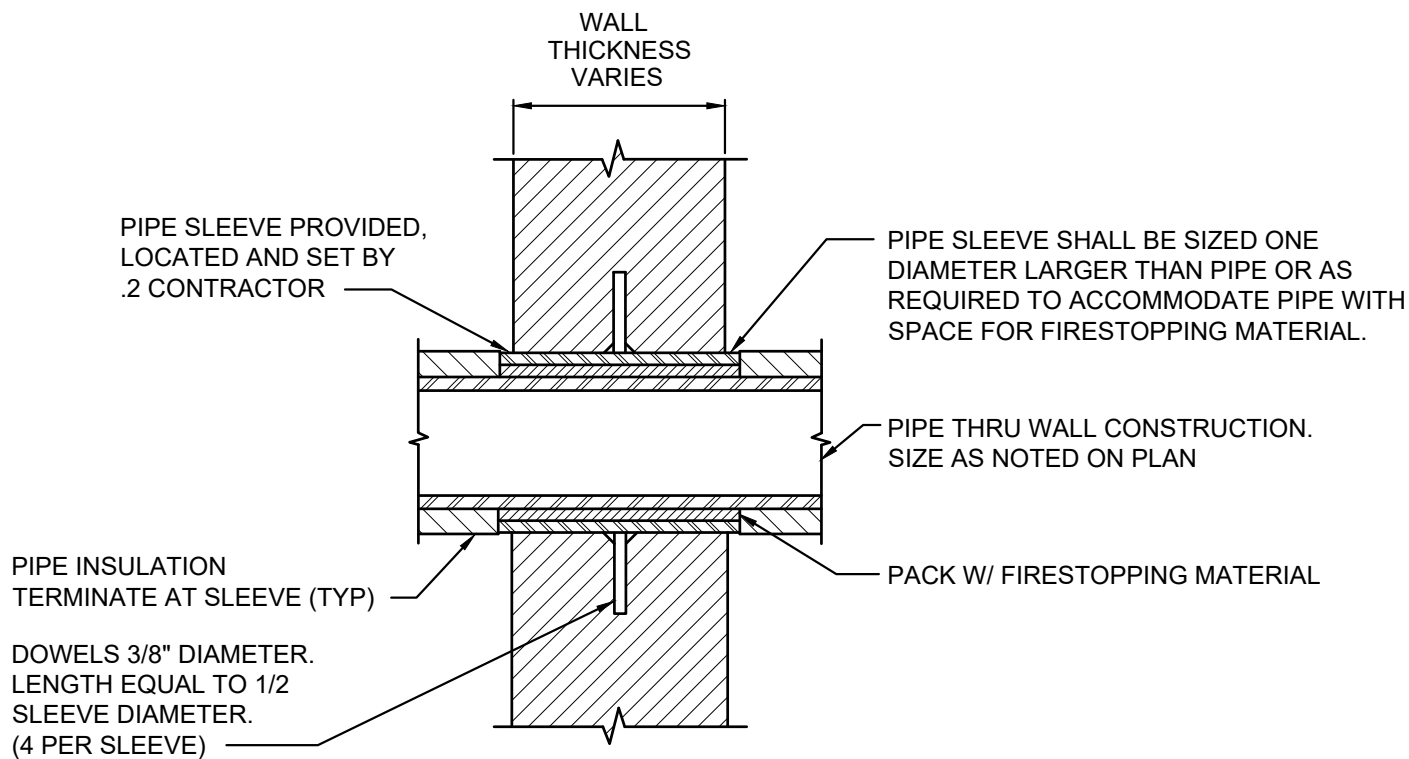


1 AUTOMATIC AIR VENT  
NOT TO SCALE

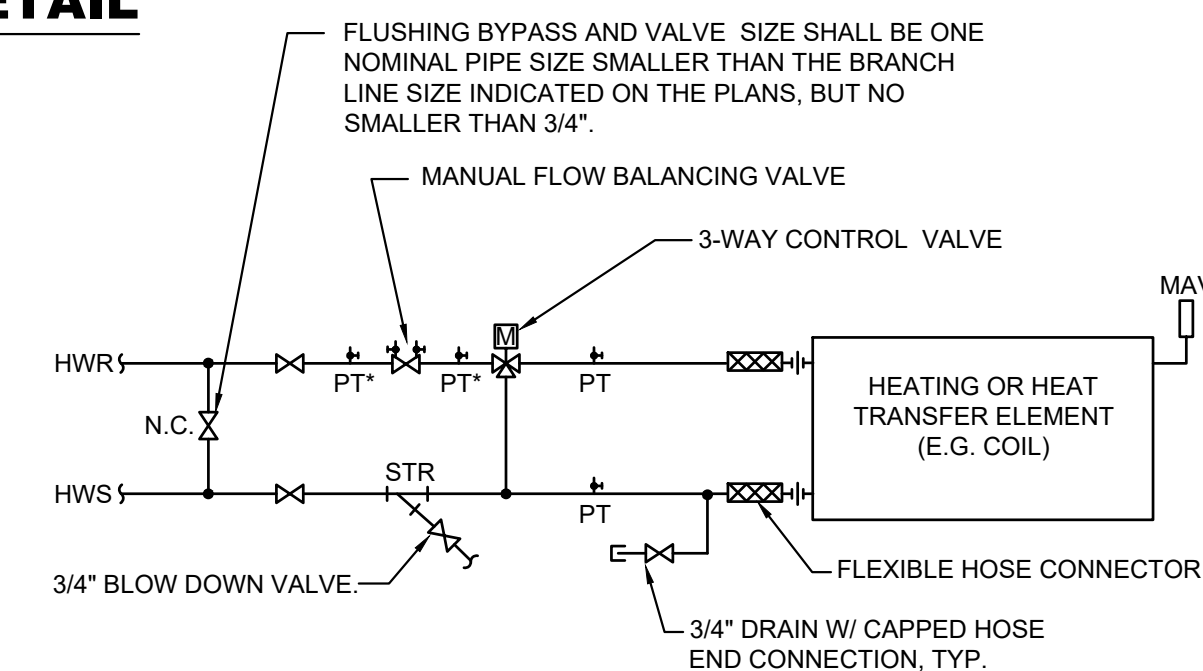


6 HYDRONIC SYSTEM DRAIN AND MANUAL AIR VENT DETAIL  
NOT TO SCALE



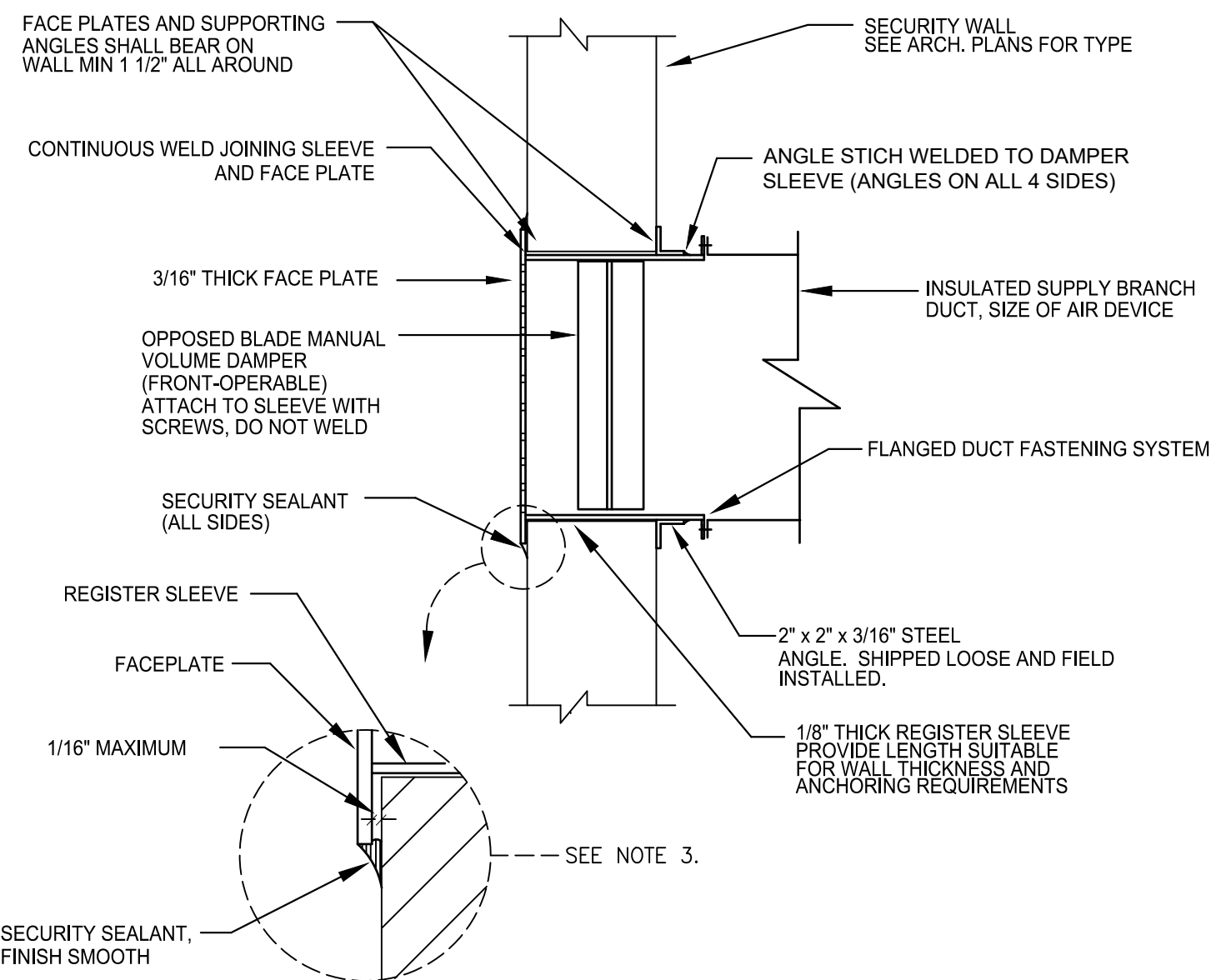
NOTE: COMPLY WITH UL FIRESTOP REQUIREMENTS WHERE APPLICABLE.

7 PIPE WALL SLEEVE DETAIL  
NOT TO SCALE



- NOTES:
- CONTROL VALVE SHALL BE PROVIDED WITH FLANGED ENDS OR SHALL BE PROVIDED WITH ADJACENT UNIONS TO FACILITATE REMOVAL.
  - FLEXIBLE HOSE CONNECTORS SHALL BE OMITTED IF THE TERMINAL EQUIPMENT DOES NOT HAVE A FAN.
  - PROVIDE 3-WAY CONTROL VALVE ON ALL HEATING COILS AND FINNED TUBE.

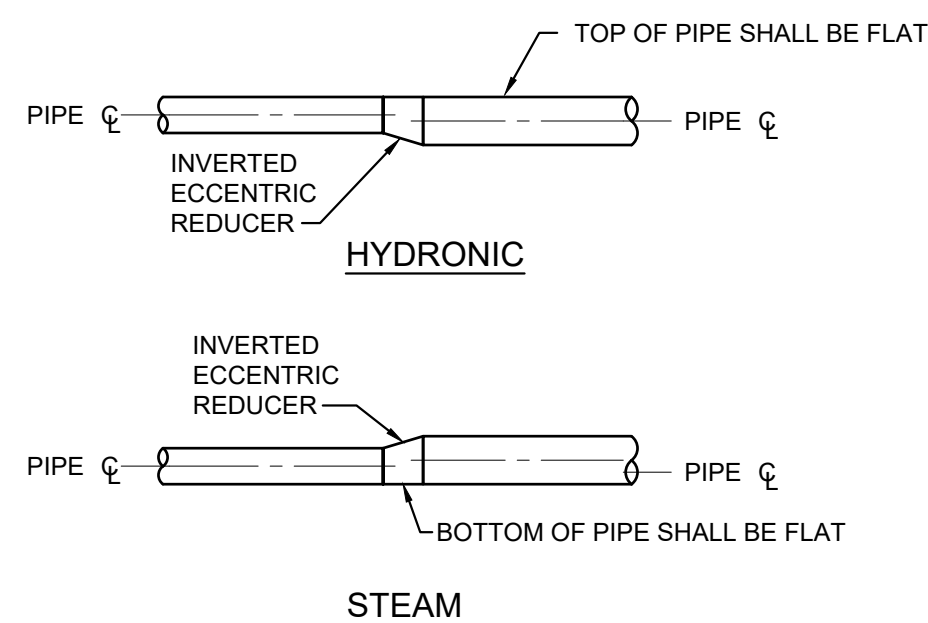
10 HOT WATER PIPING W/ 3-WAY CONTROL VALVE DETAIL  
NOT TO SCALE



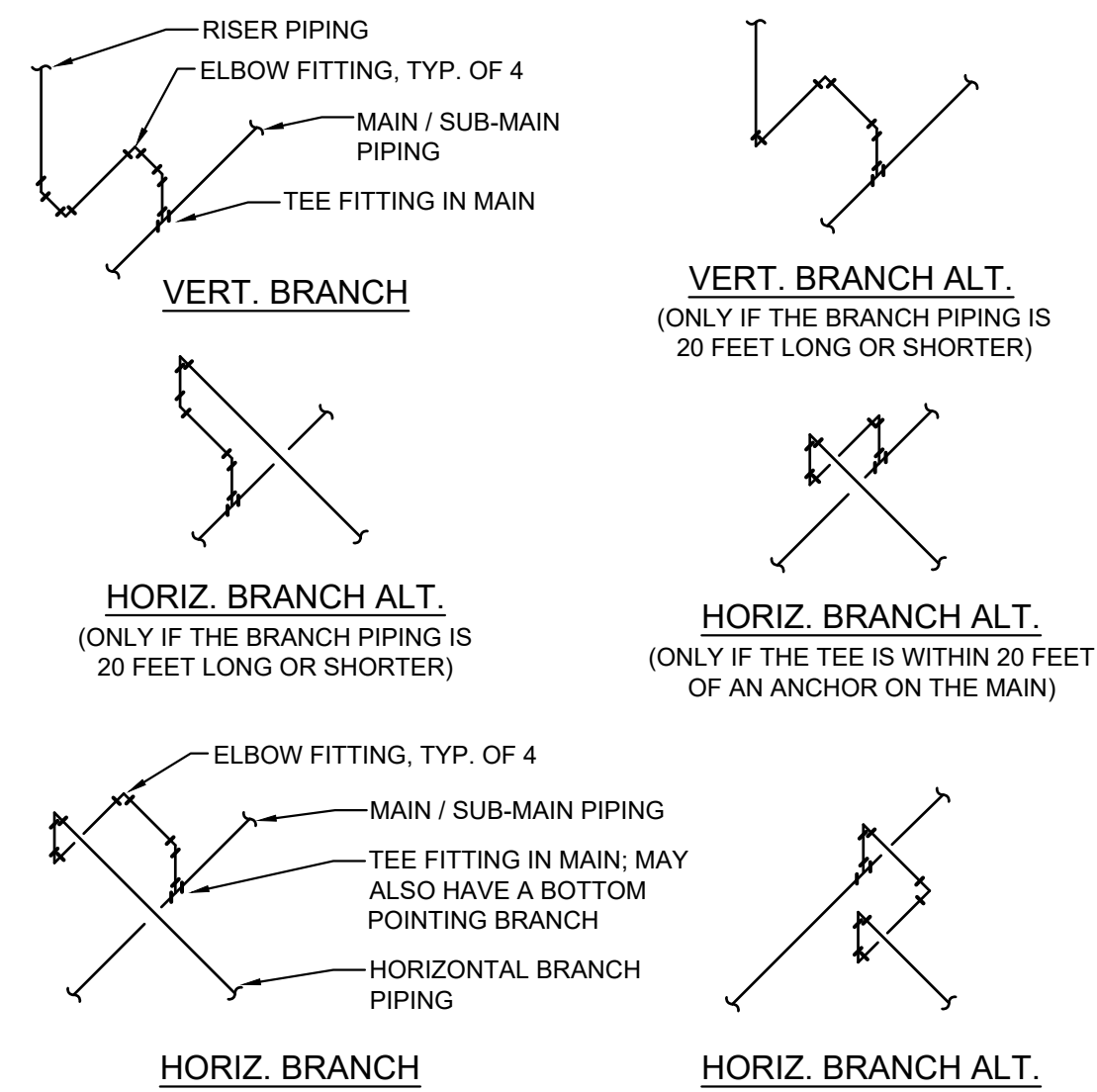
NOTES:

- REGISTER FACEPLATE, REGISTER SLEEVE, AND SECURING ANGLES SHALL BE FABRICATED OF 1018 STEEL OR EQUAL.
- REGISTER FACEPLATE SHALL HAVE 1/4" DIAMETER HOLES ON 3/8" STAGGERED CENTERS.
- NO OPEN GAP SHALL EXIST BETWEEN THE REGISTER FACEPLATE AND THE SECURITY ASSEMBLY. SECURITY SEALANT SHALL NOT BE USED TO FILL IN A GAP WIDER THAN 1/16". CORRECTIONS TO THE SURFACE OF THE SECURITY ASSEMBLY SHALL BE MADE TO ASSURE GAPS ARE SMALLER THAN 1/16". GAPS SMALLER THAN 1/16" SHALL BE FILLED IN WITH SECURITY SEALANT.

2 DUCTED SECURITY REGISTER  
NOT TO SCALE



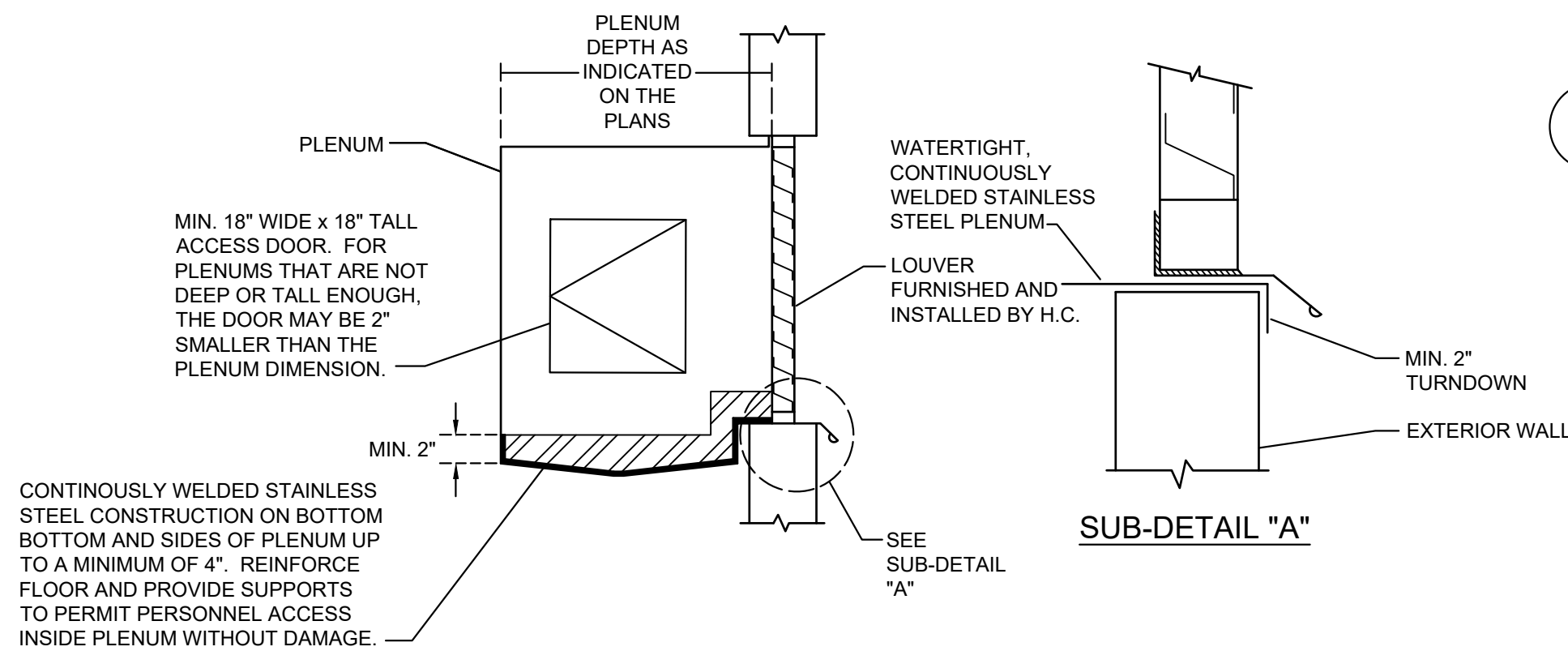
8 TYPICAL PIPE SIZE CHANGE DETAIL  
NOT TO SCALE



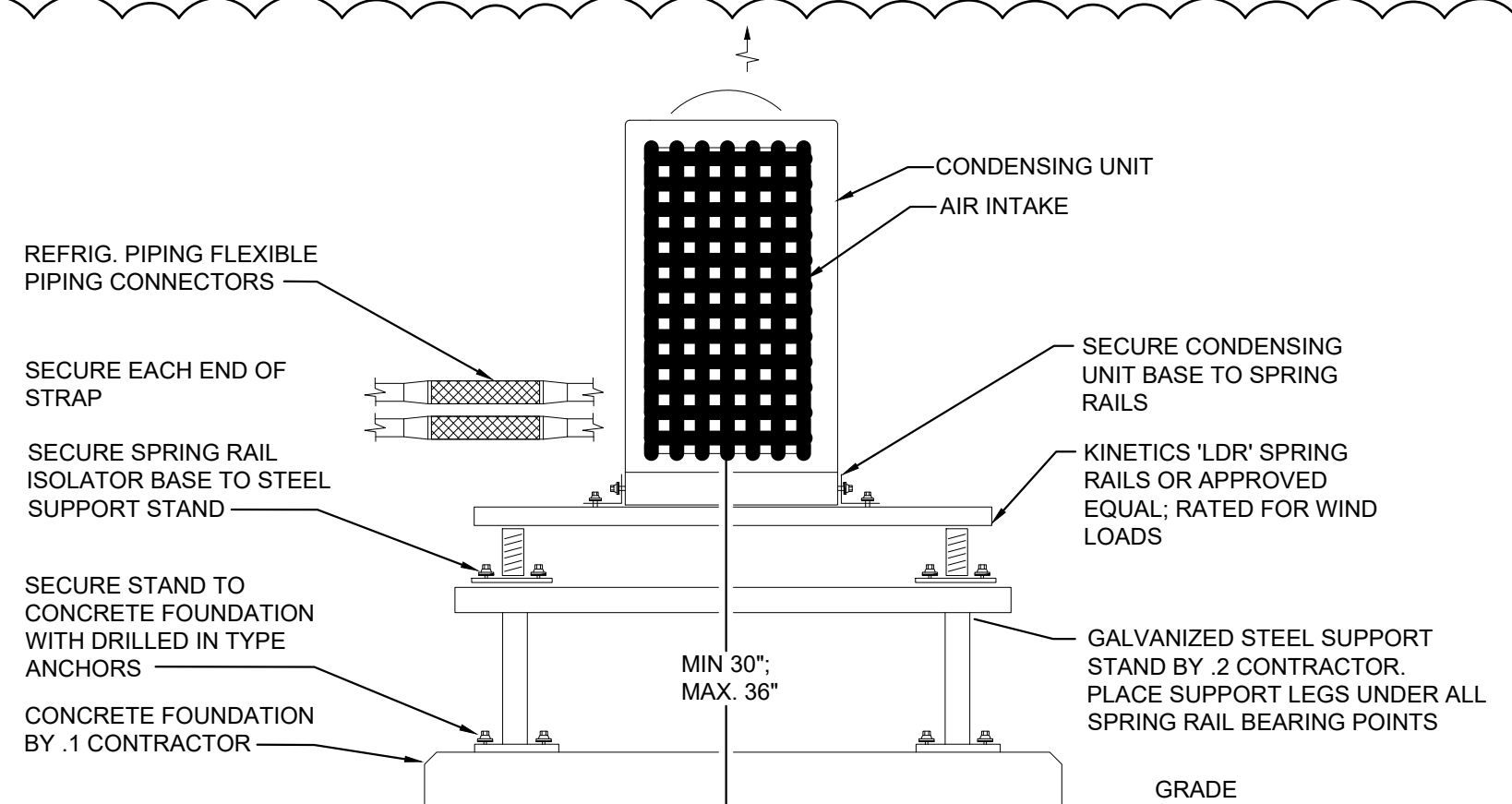
NOTES:

- SWING CONNECTIONS ARE NOT INDICATED ON THE PIPING FLOOR PLANS FOR CLARITY PURPOSES ONLY. ALL BRANCH PIPING CONNECTIONS TO MAIN PIPING ON HOT WATER AND STEAM AND STEAM CONDENSATE PIPING SHALL BE MADE WITH SWING JOINTS AS DETAILED HEREIN USING FOUR (4) ELBOWS AND THE TEE IN THE MAIN.
- THE ELBOWS AND TEE FITTINGS COMPRISING THE SWING CONNECTIONS SHALL UTILIZE A JOINING METHOD THAT IS SPECIFIED IN THE PROJECT MANUAL WHICH PERMITS ROTATION OF THE PIPING IN THE FITTING ABOUT THE PIPE'S LONGITUDINAL AXIS OR ANGULAR DEFLECTION. FLANGED, WELDED, AND/OR SOLDERED CONNECTIONS SHALL NOT BE USED ON THE FIVE FITTINGS INDICATED IN THIS DETAIL UNLESS THESE ARE THE ONLY JOINING METHODS SPECIFIED.
- SWING CONNECTIONS ARE NOT REQUIRED IF THE BRANCH PIPING IS SHORTER THAN 20 FEET AND THE TEE FITTING ON THE MAIN IS WITHIN 20 FEET OF AN ANCHOR ON THE MAIN.

3 SWING JOINT BRANCH PIPING CONNECTION DETAILS  
NOT TO SCALE



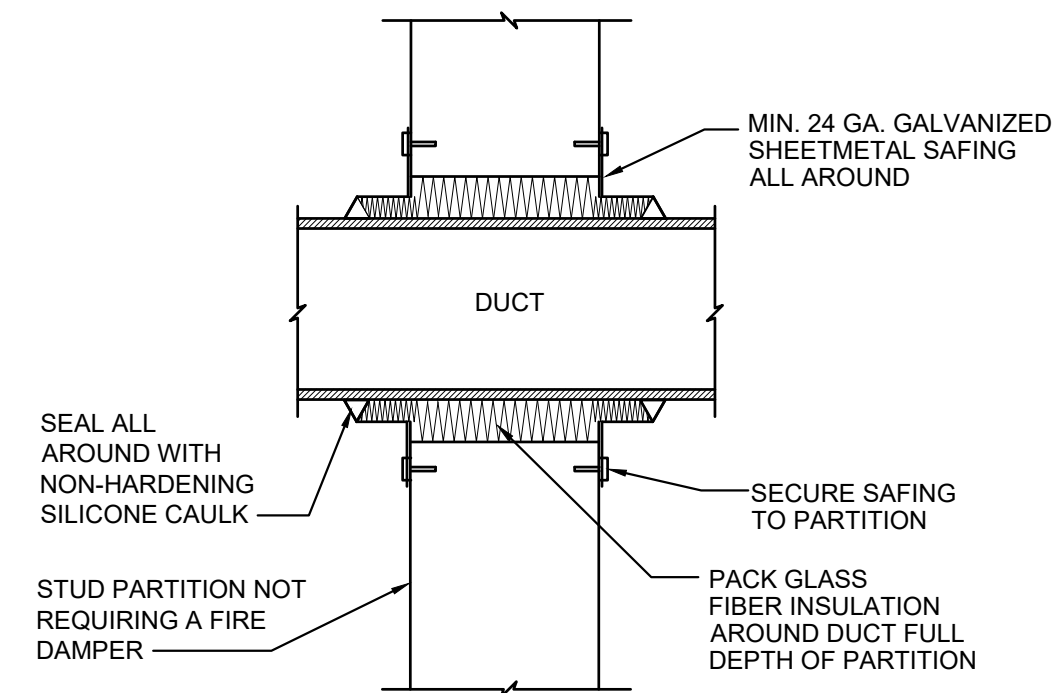
9 LOUVER AND PLENUM DETAIL  
NOT TO SCALE



NOTE:

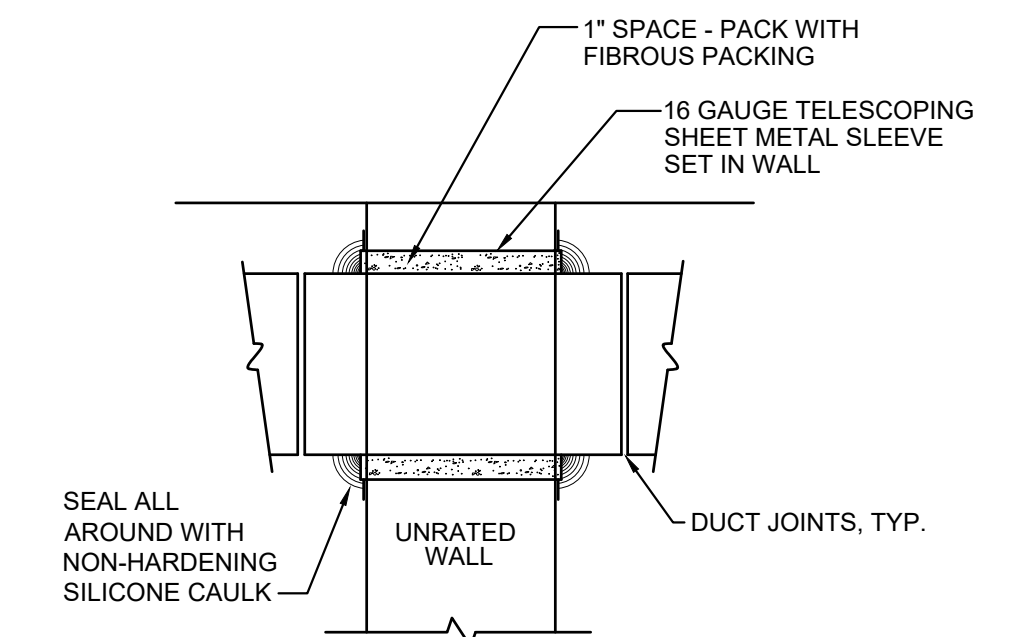
- ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
- REQUIRED PROTECTION HOODS AND WIND BAFFLES ARE NOT SHOWN FOR CLARITY PURPOSES ONLY.

11 AT-GRADE CONDENSING UNIT SUPPORT DETAIL  
NOT TO SCALE



NOTE: THID DETAIL DOES NOT APPLY TO FIRE OR SMOKE RATED WALLS

4 INTERIOR GYPSUM BOARD WALL DUCT PENETRATION DETAIL  
NOT TO SCALE



NOTE: THID DETAIL DOES NOT APPLY TO FIRE OR SMOKE RATED WALLS

5 INTERIOR MASONRY WALL DUCT PENETRATION DETAIL  
NOT TO SCALE

09/13/23	ADDENDUM #2

RECORD REVISIONS

PROFESSIONAL'S SIGNATURE DATE

**UpStreet** ARCHITECTS, INC.  
541 PHILADELPHIA ST. INDIANA, PA 15701 911 MENOHER BLVD. JOHNSTOWN, PA 15905

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF GENERAL SERVICES  
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No. **C-0588-0015 PHASE 1**

**LOYSVILLE YOUTH DEVELOPMENT CENTER- RENOVATIONS TO ZIMMERMAN-BINGAMAN (ZB) COTTAGE**  
DEPARTMENT OF HUMAN SERVICES  
LOYSVILLE, TYRONE TOWNSHIP, PERRY COUNTY, PA

**DETAILS - MECHANICAL**

**VERIFY SCALE**

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:  
0 1  
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.

DRAWN BY  
W. MINAHAN  
CHECKED BY  
T. HOVAN

DATE  
27 JUNE 2023  
SCALE  
AS NOTED

SHEET No.

**M-601**