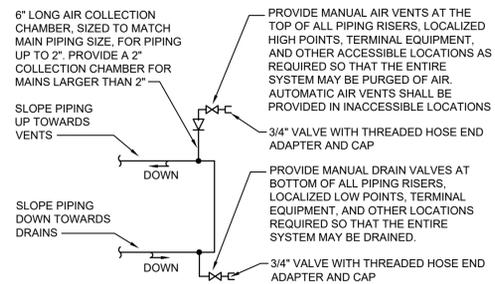
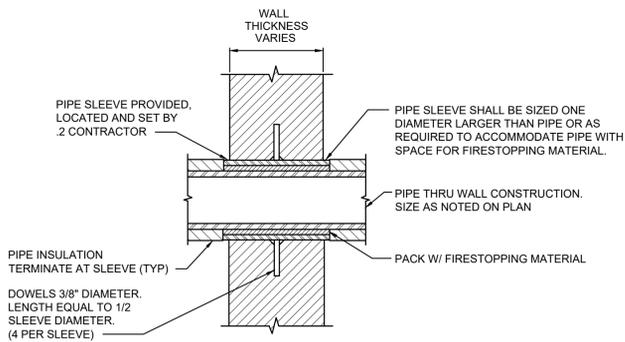


1 AUTOMATIC AIR VENT
NOT TO SCALE

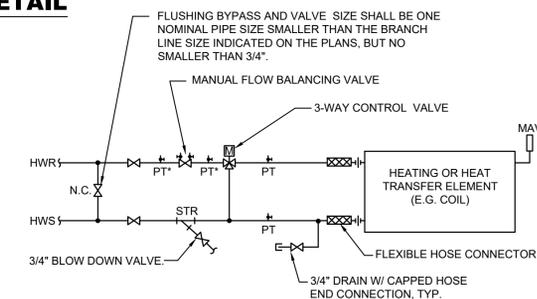


6 HYDRONIC SYSTEM DRAIN AND MANUAL AIR VENT DETAIL
NOT TO SCALE



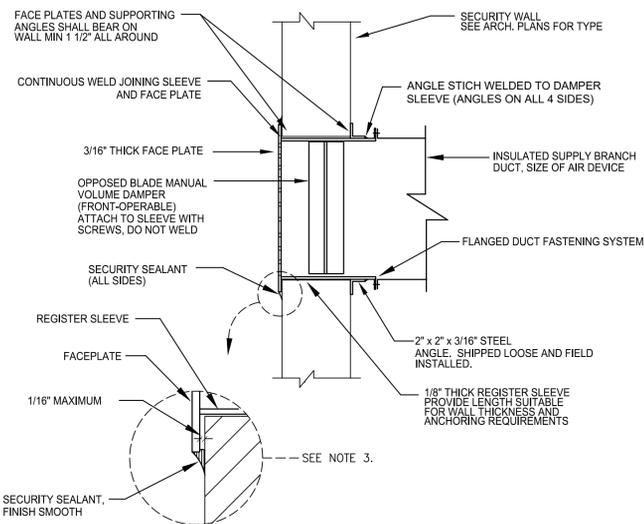
NOTE: COMPLY WITH UL FIRESTOP REQUIREMENTS WHERE APPLICABLE.

7 PIPE WALL SLEEVE DETAIL
NOT TO SCALE



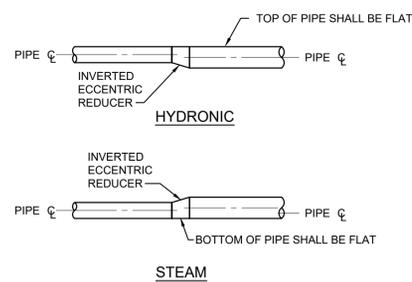
NOTES:
1. CONTROL VALVE SHALL BE PROVIDED WITH FLANGED ENDS OR SHALL BE PROVIDED WITH ADJACENT UNIONS TO FACILITATE REMOVAL.
2. FLEXIBLE HOSE CONNECTORS SHALL BE OMITTED IF THE TERMINAL EQUIPMENT DOES NOT HAVE A FAN.
3. PROVIDE 3-WAY CONTROL VALVE ON ALL HEATING COILS AND FINNED TUBE.

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

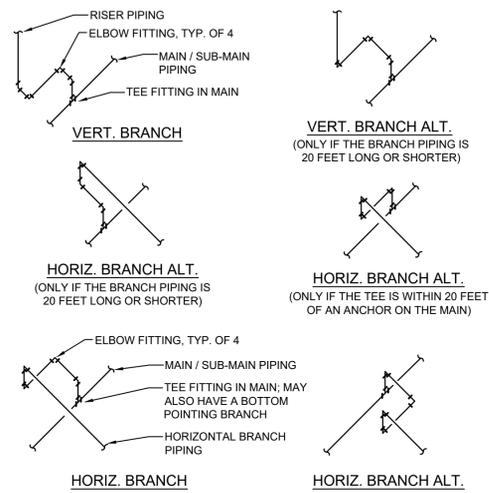


NOTES:
1. REGISTER FACEPLATE, REGISTER SLEEVE, AND SECURING ANGLES SHALL BE FABRICATED OF 1018 STEEL OR EQUAL.
2. REGISTER FACEPLATE SHALL HAVE 1/4\"/>

2 DUCTED SECURITY REGISTER
NOT TO SCALE

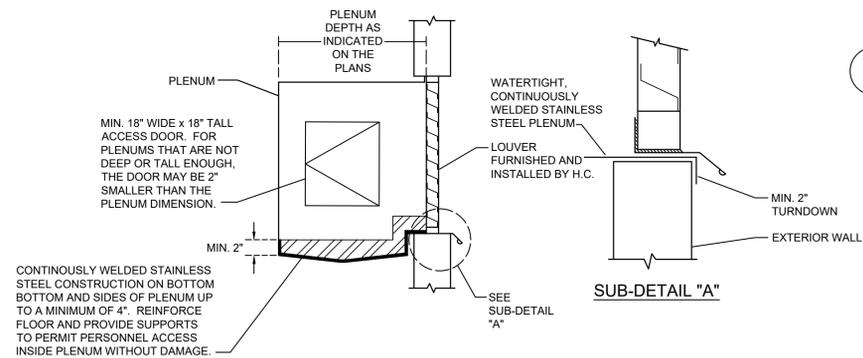


8 TYPICAL PIPE SIZE CHANGE DETAIL
NOT TO SCALE

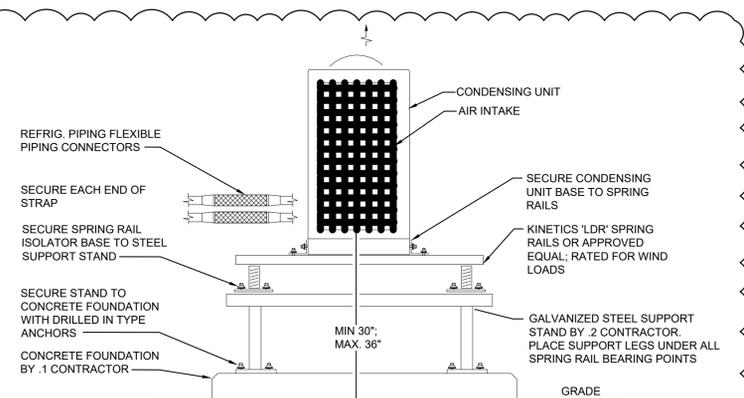


NOTES:
1. SWING CONNECTIONS ARE NOT INDICATED ON THE PIPING FLOOR PLANS FOR CLARITY PURPOSES ONLY. ALL BRANCH PIPING CONNECTIONS TO MAIN PIPING ON HOT WATER AND STEAM AND STEAM CONDENSATE PIPING SHALL BE MADE WITH SWING JOINTS AS DETAILED HEREIN USING FOUR (4) ELBOWS AND THE TEE IN THE MAIN.
2. THE ELBOWS 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.
3. 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

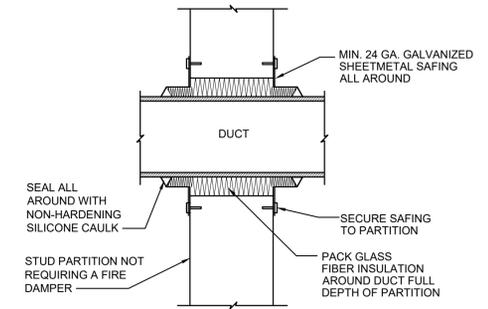


9 LOUVER AND PLENUM DETAIL
NOT TO SCALE



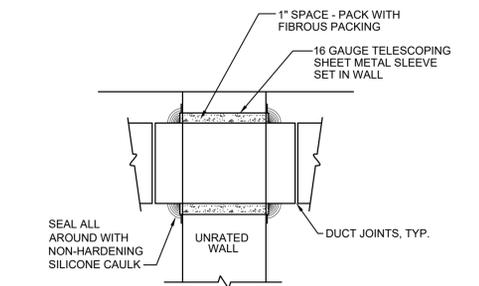
NOTE:
1. ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
2. REQUIRED PROTECTION HOODS AND WIND BAFFLES ARE NOT SHOWN FOR CLARITY PURPOSES ONLY.

11 AT-GRADE CONDENSING UNIT SUPPORT DETAIL
NOT TO SCALE



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

4 INTERIOR GYPSUM BOARD WALL DUCT PENETRATION DETAIL
NOT TO SCALE



NOTE: THIS 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**

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

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

DETAILS - MECHANICAL

| | | | |
|--|------------------------|----------------------|---------------------------|
| CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL. | DRAWN BY W. MINAHAN | DATE 27 JUNE 2023 | SHEET No. M-601 |
| | CHECKED BY T. HOVAN | SCALE AS NOTED | |