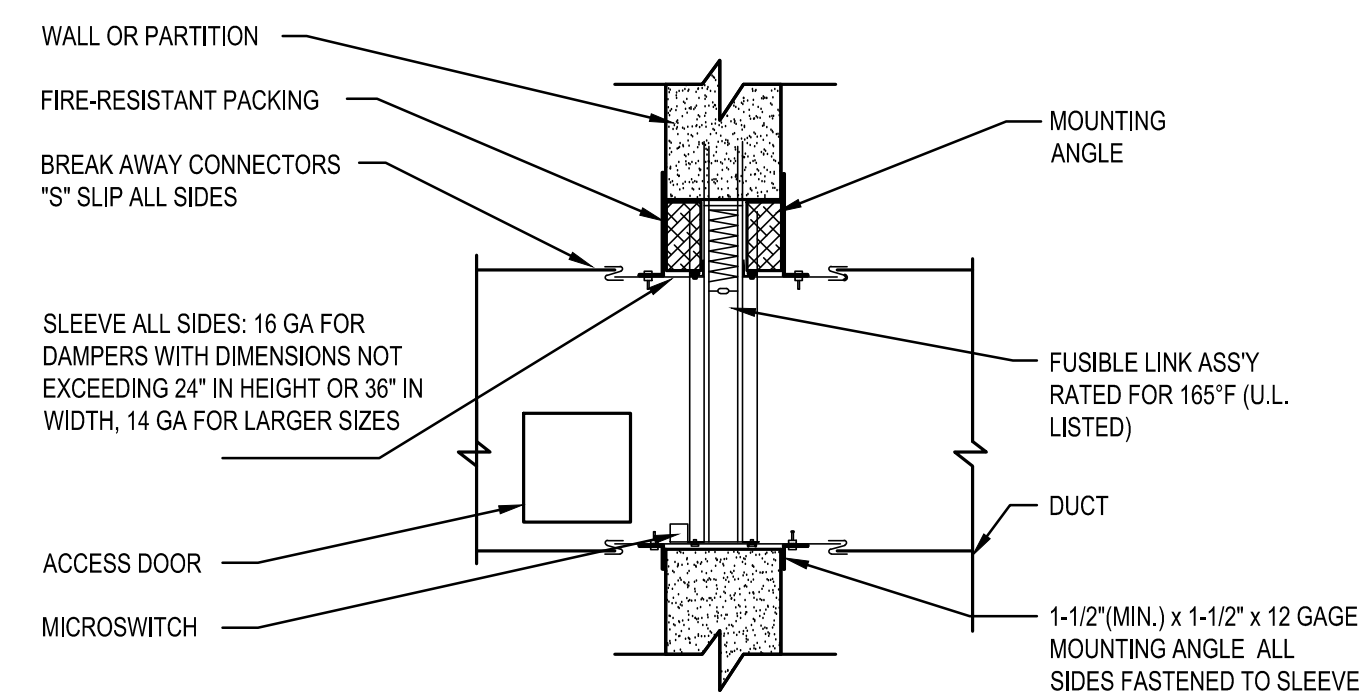
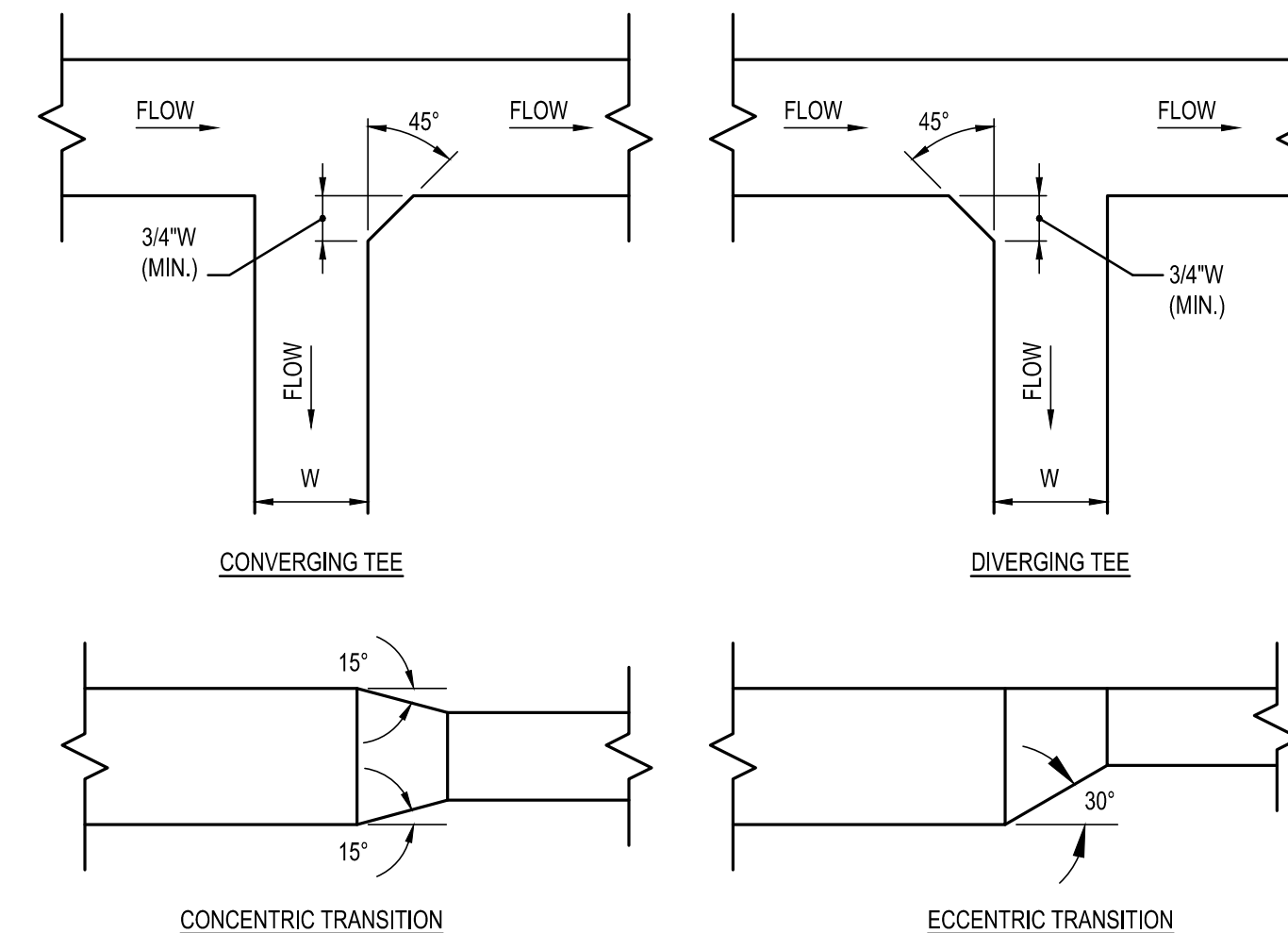


DETAIL - RADIANT SLAB TUBING CONTROL JOINT PENETRATION DETAIL 9
SCALE: NOT TO SCALE

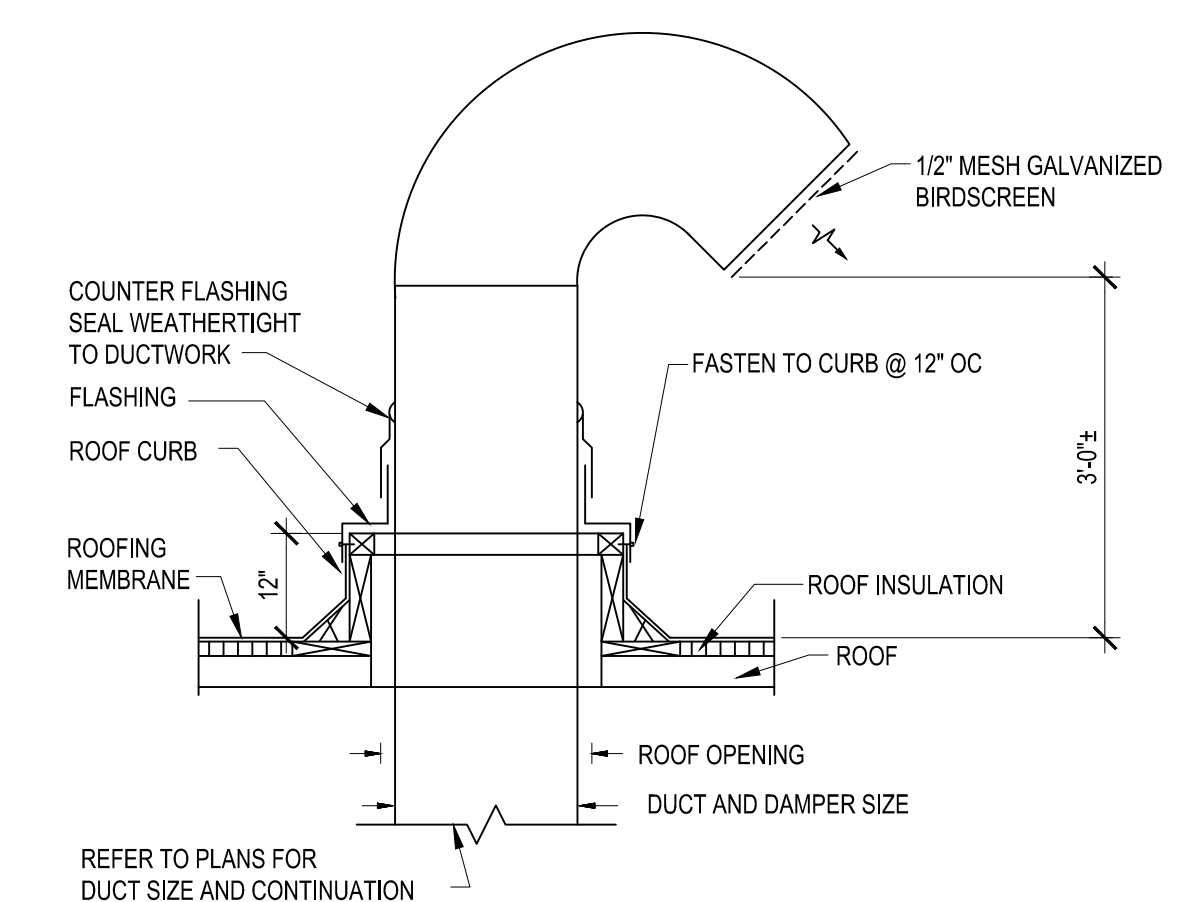


- NOTES:
 1. VERTICAL FIRE DAMPER INSTALLATION SHOWN. FOR HORIZONTAL FLOOR INSTALLATION PROVIDE SIMILAR TO VERTICAL EXCEPT PROVIDE WITH SPRING LOADED DAMPER BLADES.
 2. FASTEN DAMPER TO SLEEVE WITH SCREWS.
 3. ANY CLEARANCE BETWEEN FIRE-RATED WALL, PARTITION OR FLOOR AND DAMPER SLEEVE OR DAMPER SHALL BE FILLED WITH FIRE-RESISTANT PACKING ON ALL SIDES TO MAINTAIN FIRE RATING.
 4. USE GALVANIZED SHEET METAL DUCT ONLY.
 5. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND UL LISTING CONDITIONS.
 6. DDC CONTRACTOR TO WIRE FROM MICROSWITCH TO DDC SYSTEM. ARRANGE TO ALARM SYSTEM WHEN SWITCH CLOSSES.

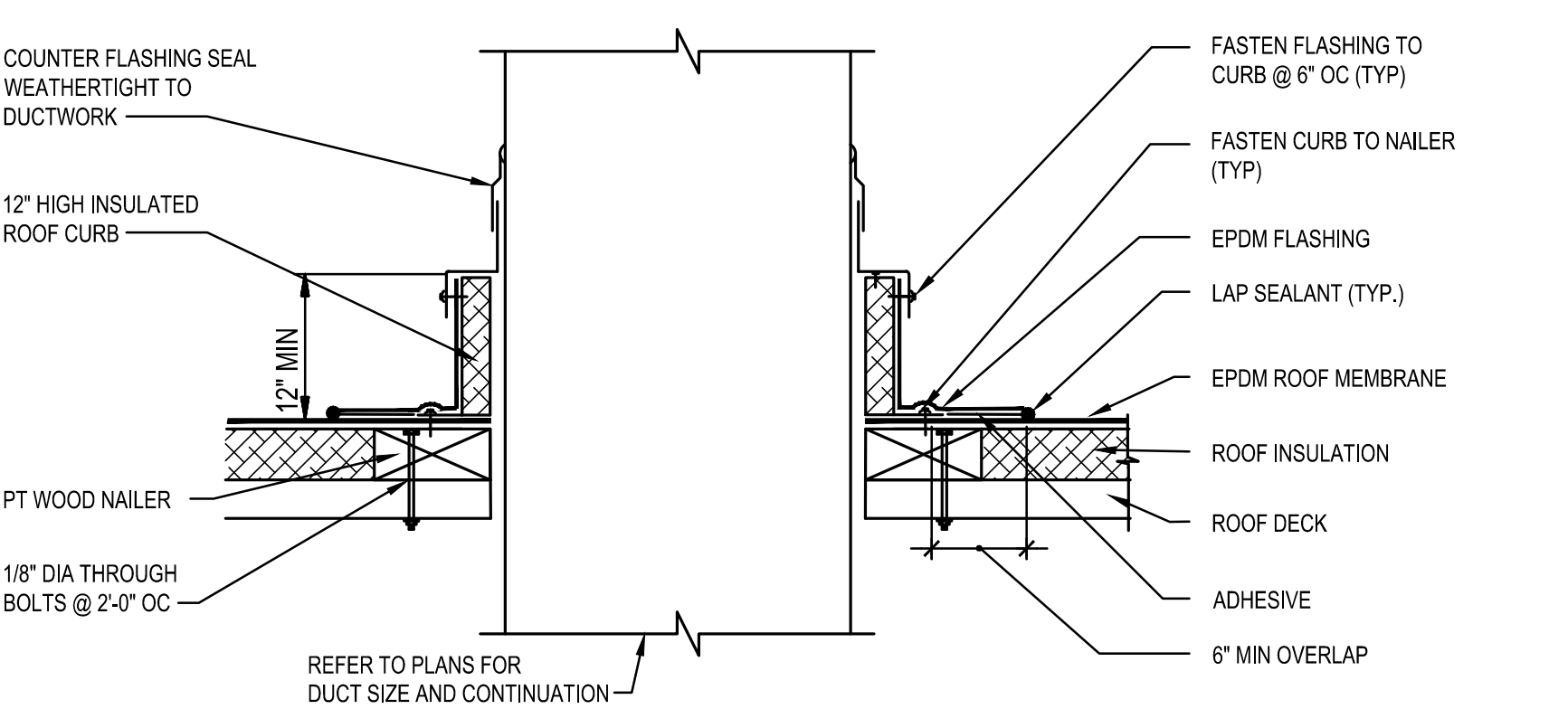
DETAIL - FIRE DAMPER (VERTICAL OR HORIZONTAL) 10
SCALE: NOT TO SCALE



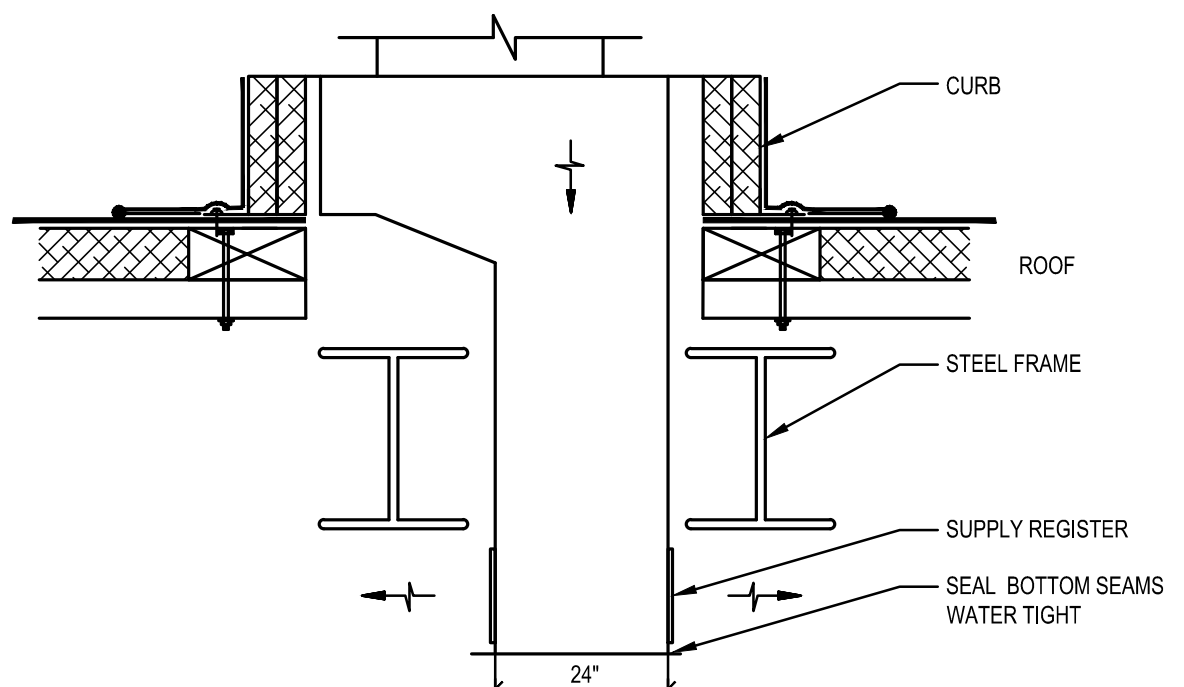
DETAIL - DUCT RECTANGULAR TRANSITION 11
SCALE: NOT TO SCALE



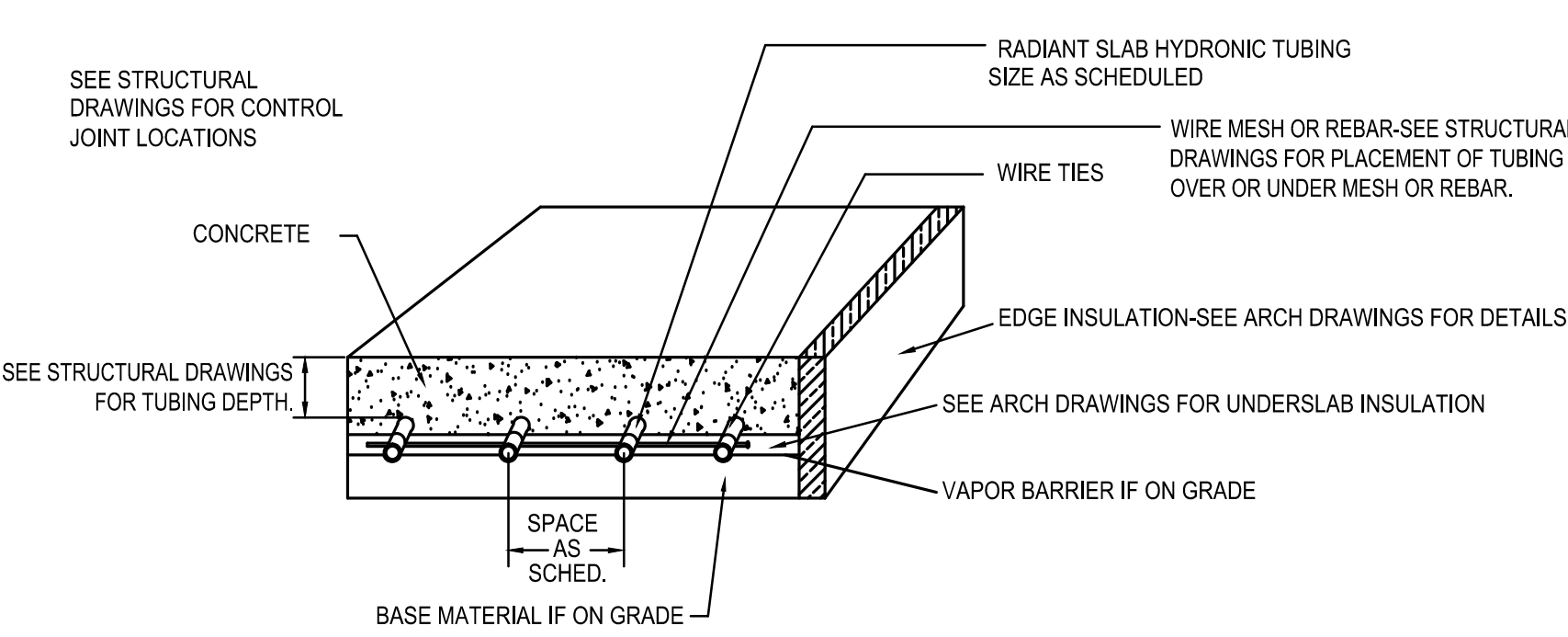
DETAIL - GOOSENECK EXHAUST TERMINATION 12
SCALE: NOT TO SCALE



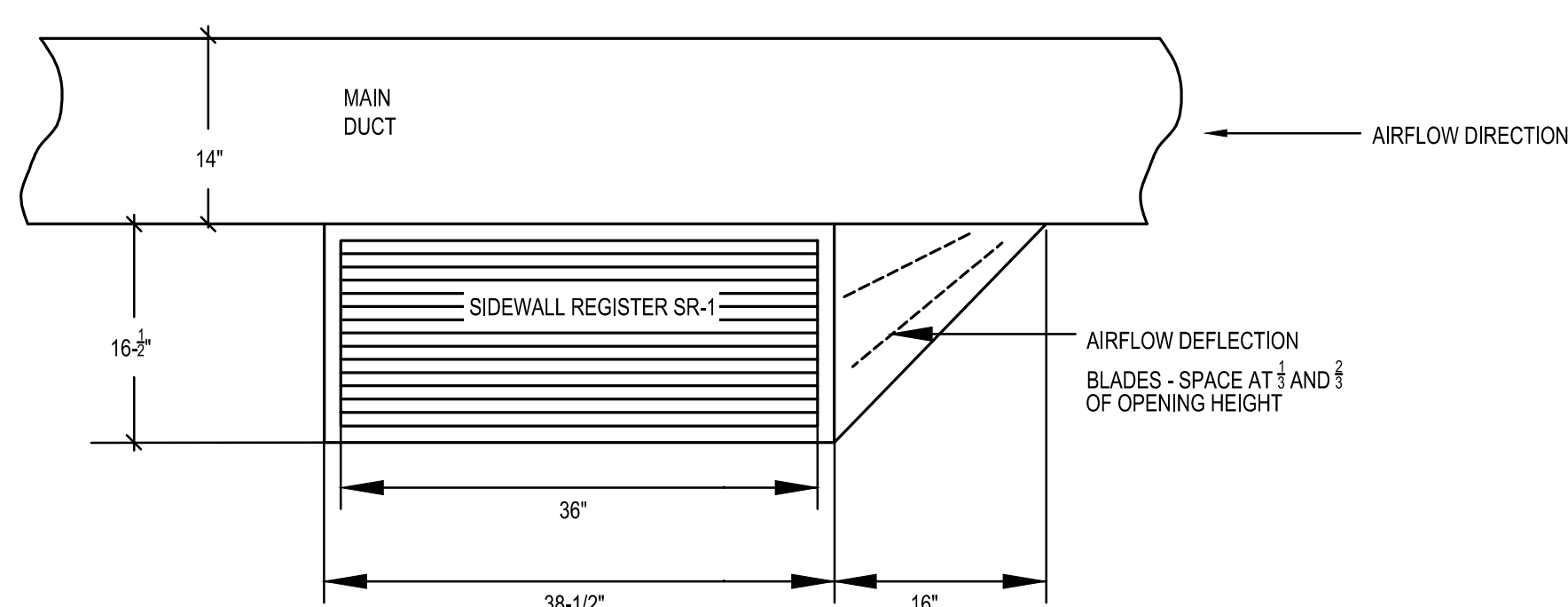
DETAIL - ROOF CURB 13
SCALE: NOT TO SCALE



DETAIL - ROOF CURB 14
SCALE: NOT TO SCALE

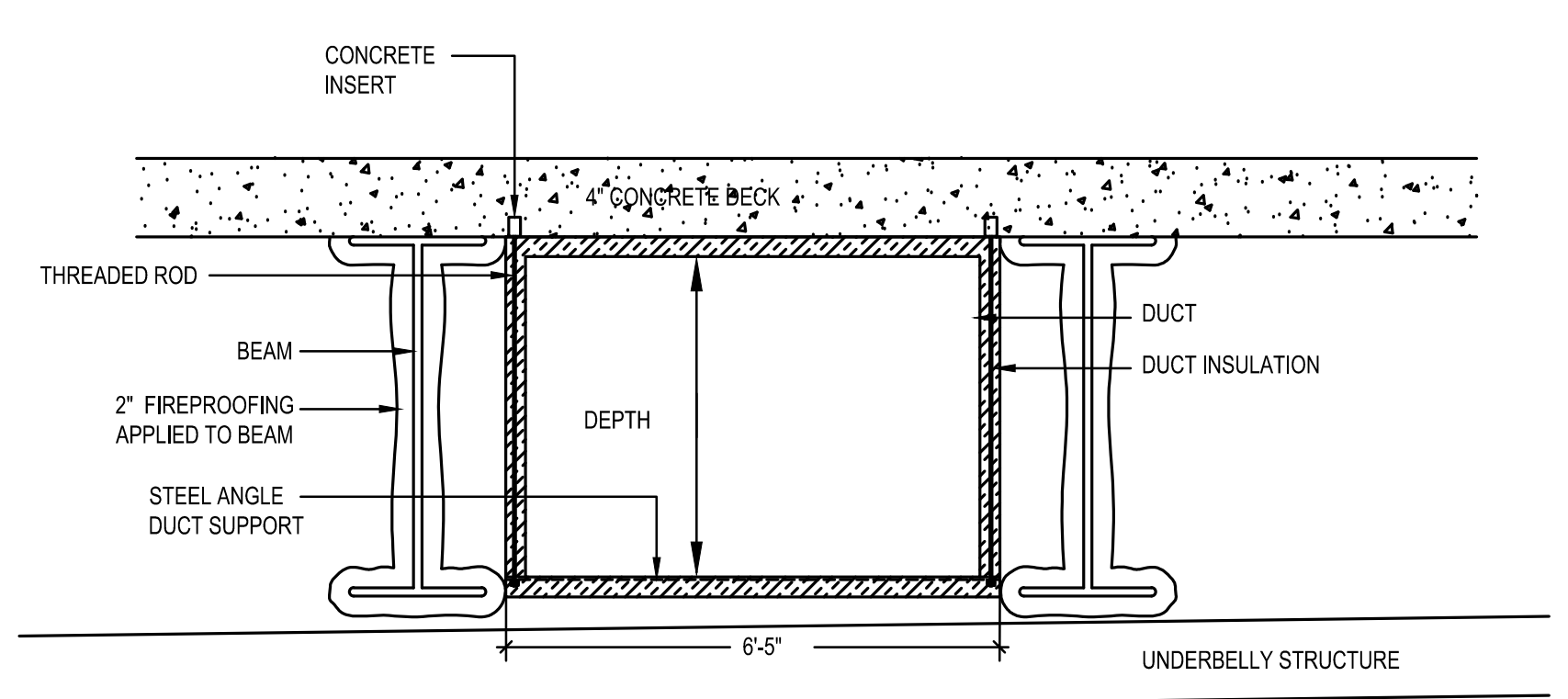


DETAIL - TYPICAL RADIANT FLOOR PIPING 8
SCALE: NOT TO SCALE



ELEVATION

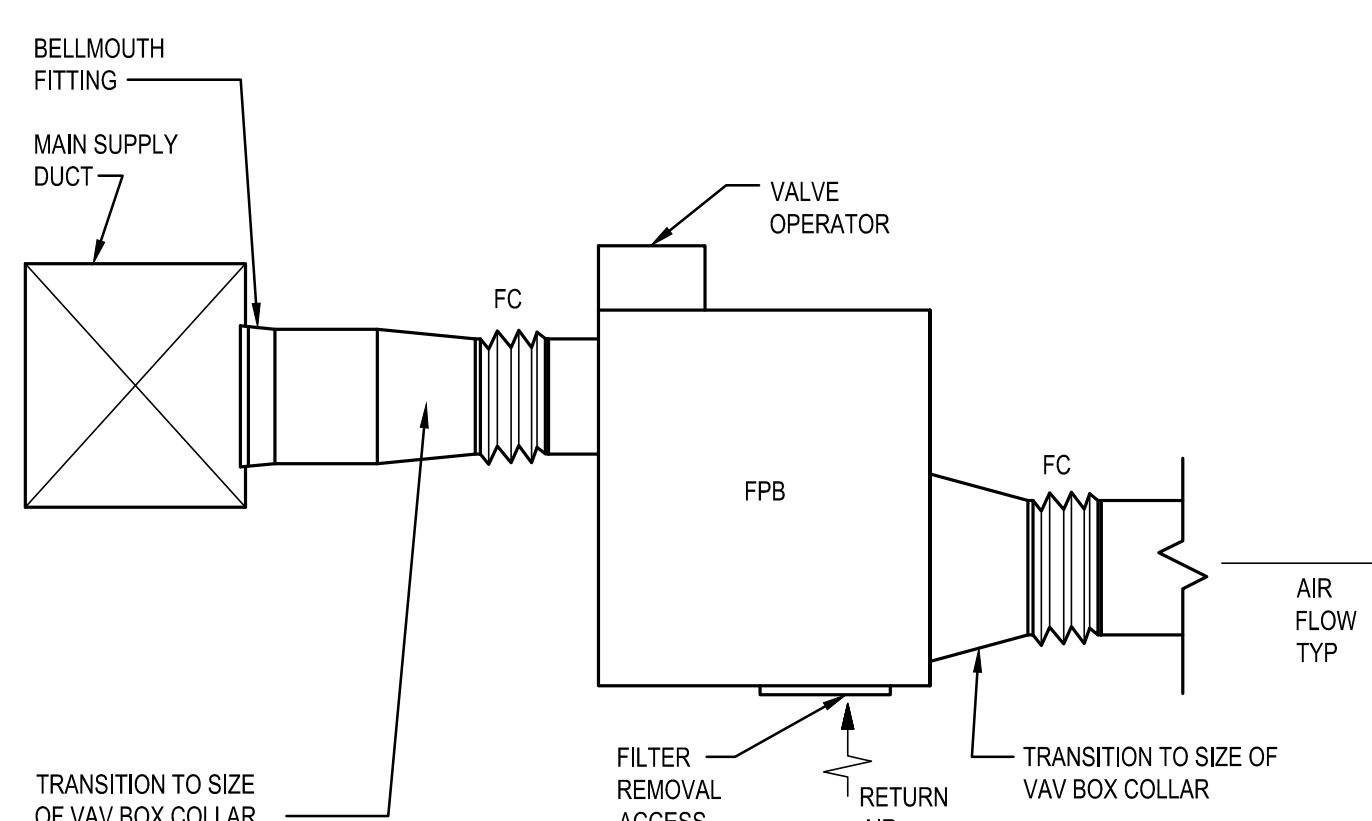
DETAIL - SUPPLY REGISTER TAKEOFF AT BAGGAGE HANDLING 7
SCALE: NOT TO SCALE



THE UNDERBELLY IS A CONGESTED AREA AND CLEARANCES ARE EXTREMELY TIGHT. MECHANICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS AND INSTALLED WORK PRIOR TO EXECUTION OF MECHANICAL WORK. HE SHALL CLOSELY COORDINATE THE INSTALLATION OF DUCTWORK AND PIPING WITH THE STRUCTURE AND THE EQUIPMENT OF OTHER TRADES TO FIT IN THE AVAILABLE SPACE.

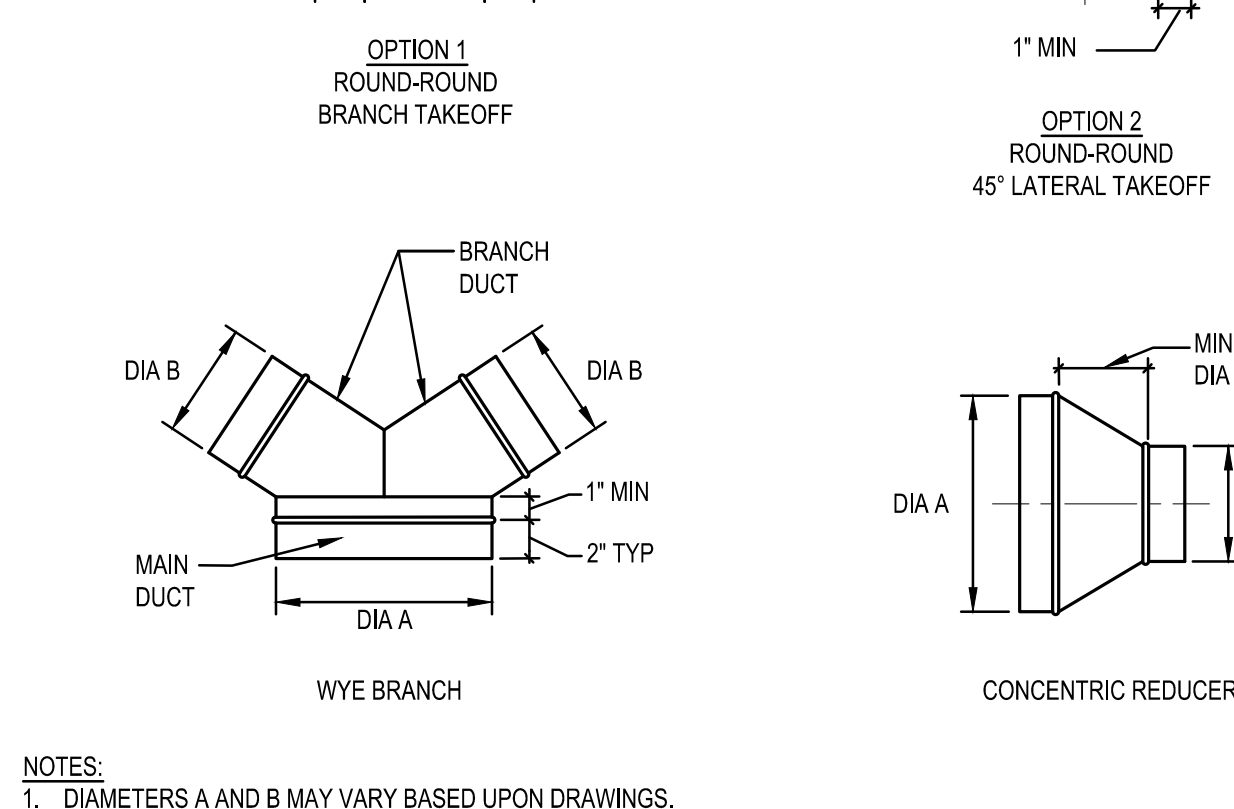
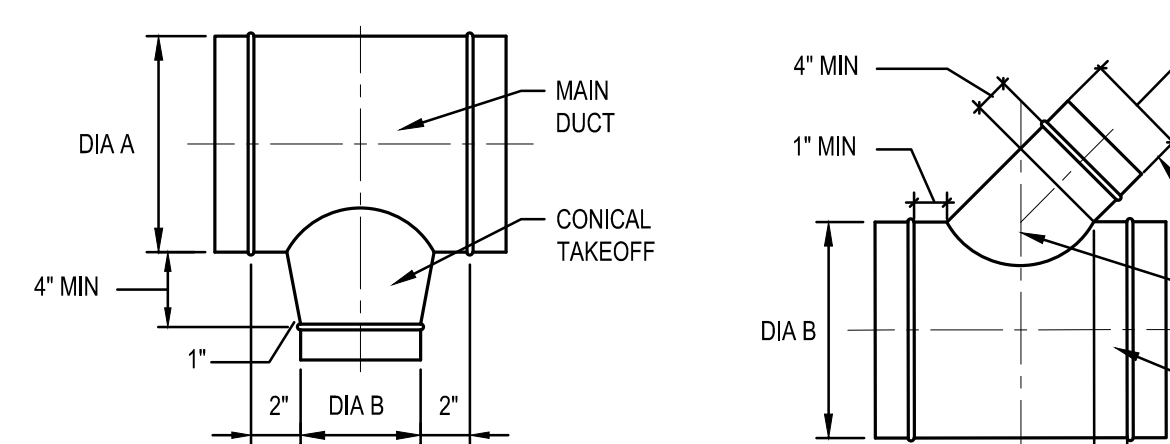
- NOTE:
 1. DUCTWORK AND SUPPORTS SHALL COMPLY WITH SMACNA HIGH PRESSURE DUCT CONSTRUCTION AND INSTALLATION STANDARDS.
 2. UNLESS NOTED OTHERWISE, DUCT SHALL BE CONSTRUCTED FOR 10th W.P. PRESSURE CLASS.
 3. PENETRATE DUCT BEFORE INSTALLING BETWEEN BEAMS.
 4. EXERCISE CARE TO AVOID DAMAGING FIRE PROOFING.

DETAIL - DUCT CROSS SECTION AT UNDERBELLY 6
SCALE: NOT TO SCALE



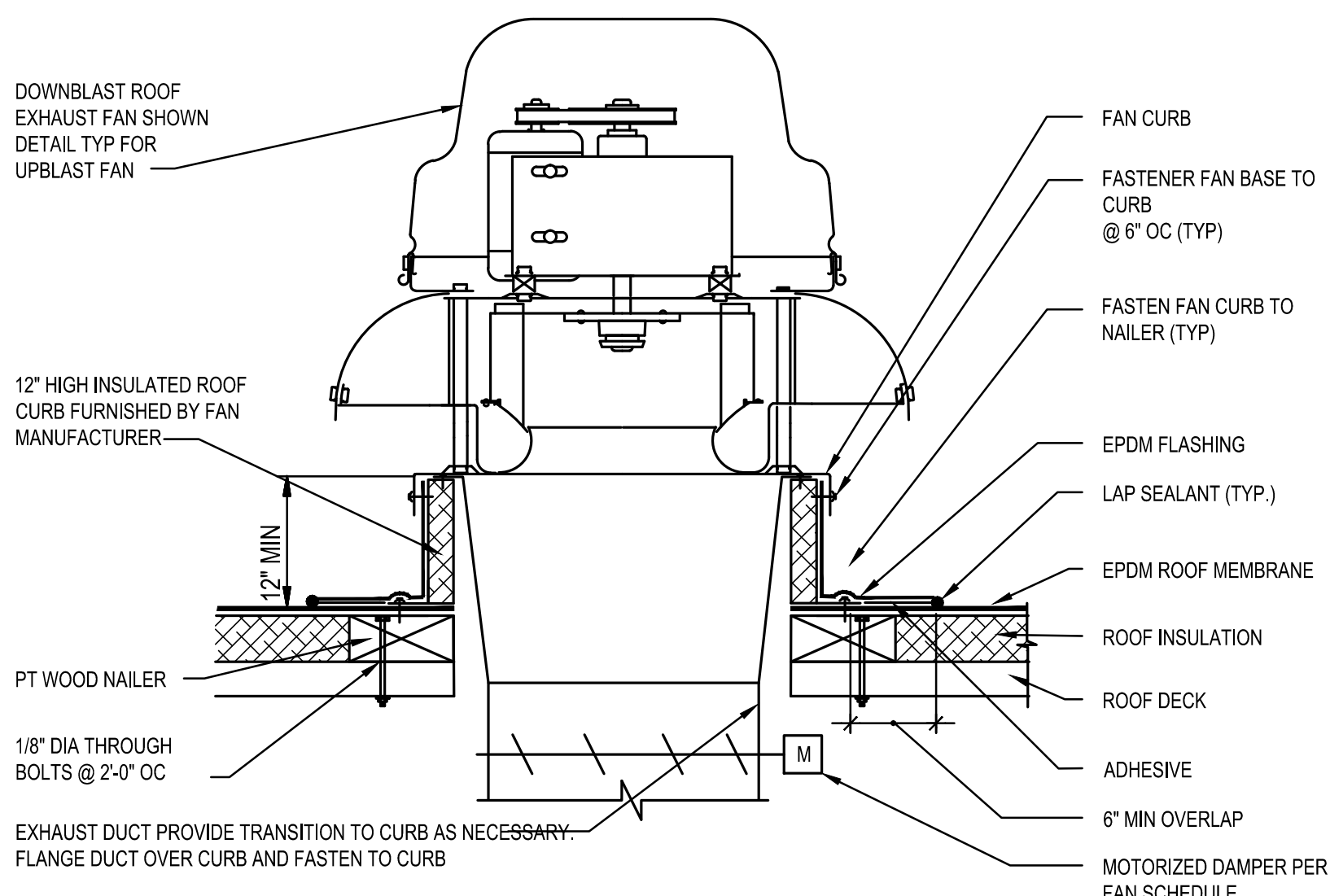
- NOTES:
 1. HEIGHT OF BRANCH TAKE OFF SHALL BE MINIMUM 2\"/>

DETAIL - VAV BOX - FAN POWERED 5
SCALE: NOT TO SCALE

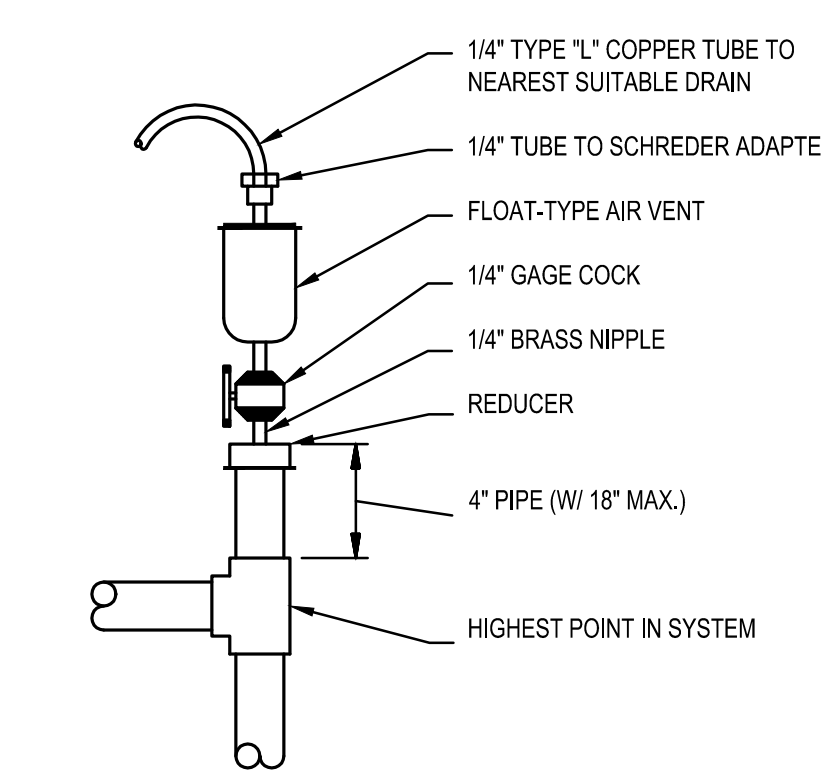


- NOTES:
 1. DIAMETERS A AND B MAY VARY BASED UPON DRAWINGS.

DETAIL - TYPICAL ROUND DUCT FITTING 1
SCALE: NOT TO SCALE



DETAIL - ROOF EXHAUST FAN/CURB 2
SCALE: NOT TO SCALE



DETAIL - AUTOMATIC AIR VENT ASSEMBLY 3
SCALE: NOT TO SCALE

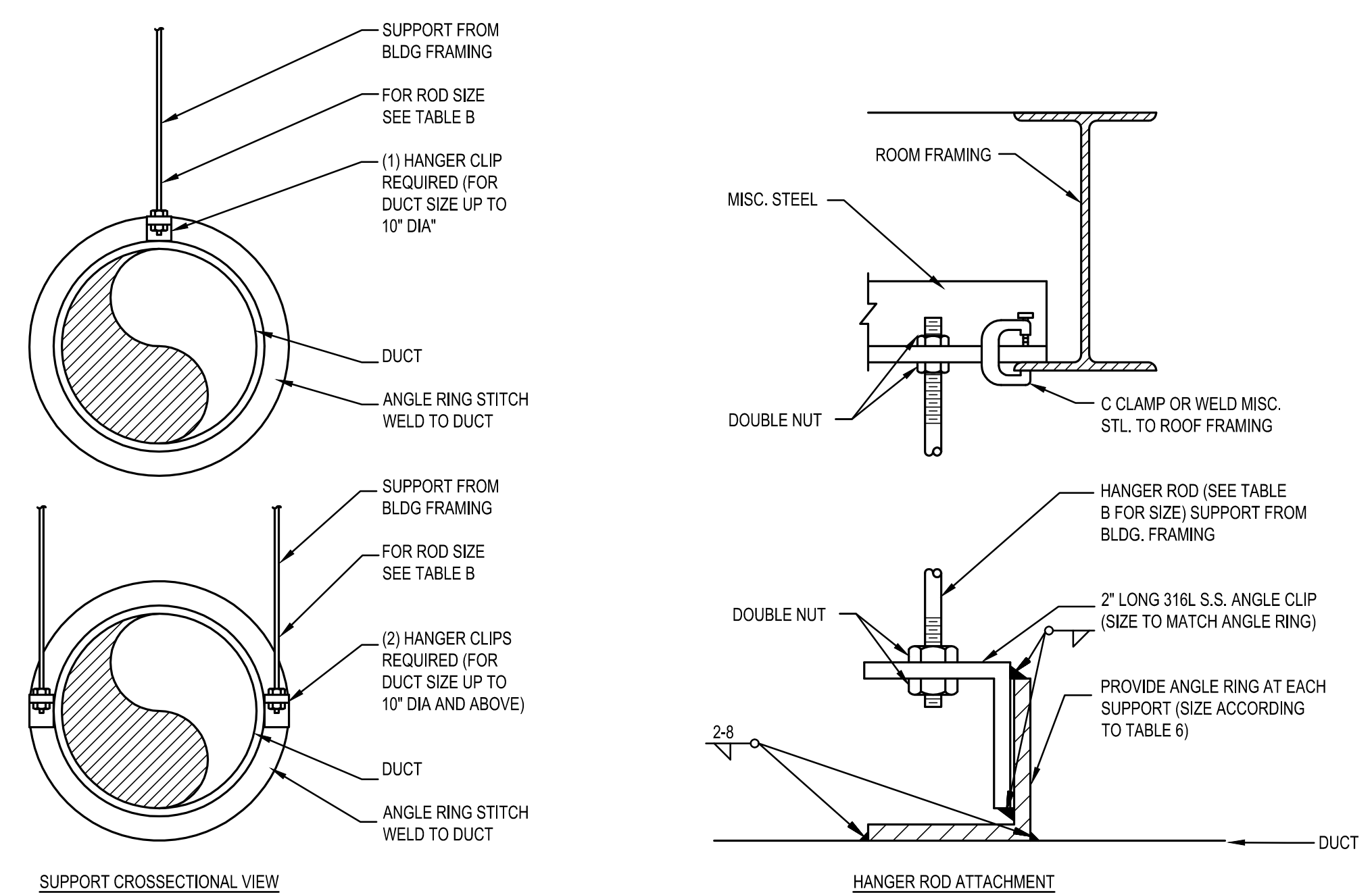


TABLE B DUCT HANGER SCHEDULE		
DUCT DIA. (IN.)	NO. OF HANGER RODS PER SUPPORT & DIA. (IN.)	RING SIZE (IN.)
THRU 10"	1 - 5/16"	1 1/2x1 1/2x1/8
11"-17"	2 - 3/8"	1 1/2x1 1/2x1/8
18"-24"	2 - 3/8"	1 1/2x1 1/2x1/8
25"-30"	2 - 3/8"	2x2x1/8

- NOTE:
 1. ALL HARDWARE SHALL BE 316L STAINLESS STEEL.
 2. FOR ALL FLOOR SLABS CONTAINING RADIANT HEATING TUBING CONTRACTOR SHALL NOT DRILL OR CUT INTO THE SLAB TOP OR BOTTOM FOR ANY EQUIPMENT. DUCTWORK OR RING SUPPORTS OR HANGERS. ALL HANGERS AND SUPPORTS SHALL CONNECT TO BUILDING STEEL OR SUPPLEMENTAL STEEL ATTACHED TO BUILDING STEEL. STRUCTURAL ENGINEER SHALL APPROVE ANY WELDING PROPOSED TO ATTACH SUPPORTS OR HANGERS.

DETAIL - ROUND DUCT HANGER 4
SCALE: NOT TO SCALE

SHEET NOTES

GENERAL NOTES

- A SEE SHEET M00.00 FOR LEGEND AND GENERAL NOTES.

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THESE DRAWINGS ARE ISSUED FOR CONSTRUCTION AND REFLECT ALL AMEC ISSUED BULLETINS AND SKETCHES.

Issue	Date & Issue Description	By	Check
01	12/03/08	PWZ	RHB
02	01/23/09	PWZ	RHB
03	10/26/09	PWZ	RHB
04	11/12/09	PWZ	RHB
05	09/01/11	PWZ	RHB

Seal/Signature

ROBERT BROWN
 No. 4602
 09/01/11

Project Name
 P1W Terminal Enhancement

Project Number
 08.0395.000

CAD File Name
 T15330101SheetsM12.13.dwg

Description
 MECHANICAL DETAILS

Scale
 NOT TO SCALE

M12.13

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