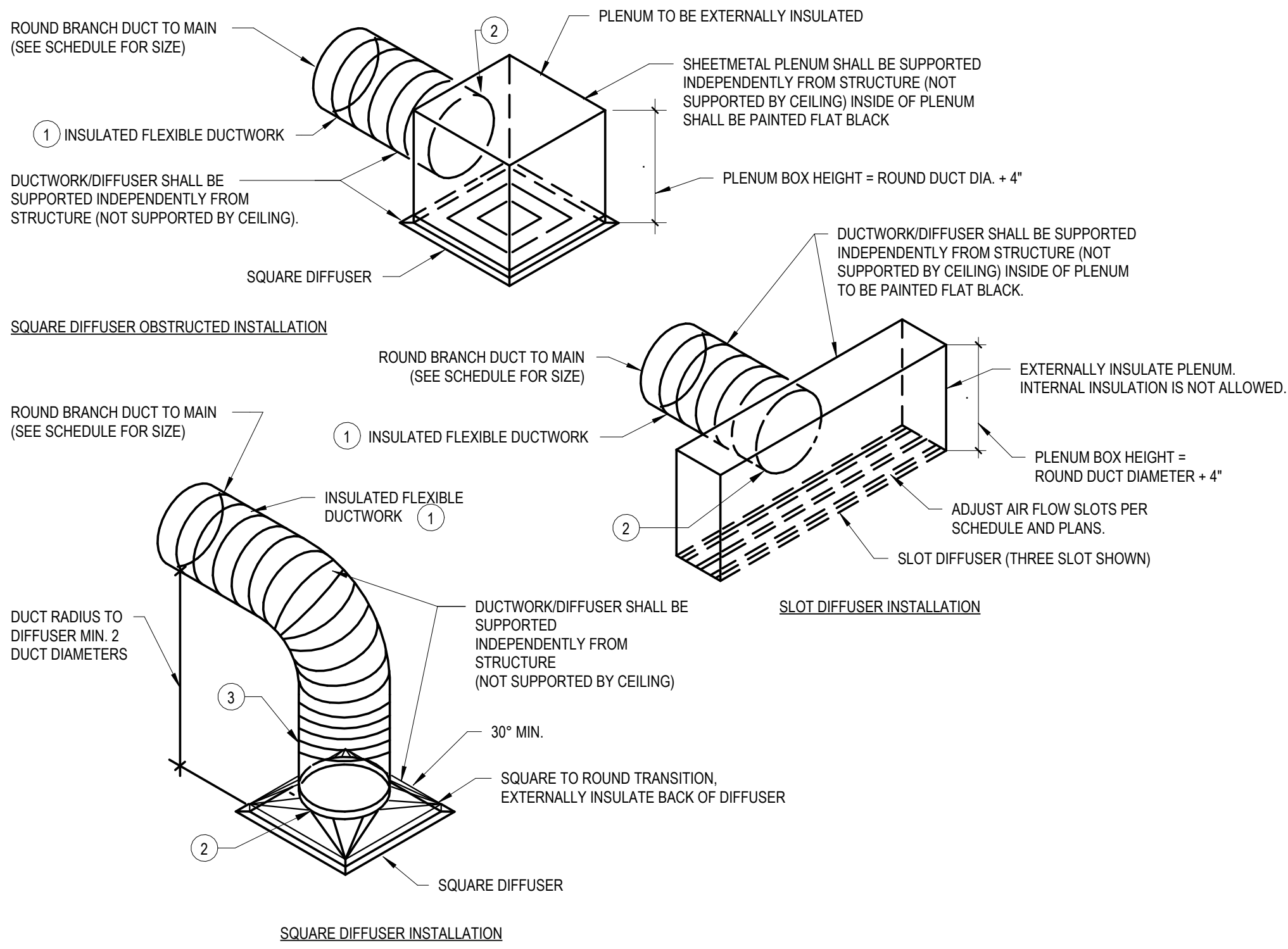
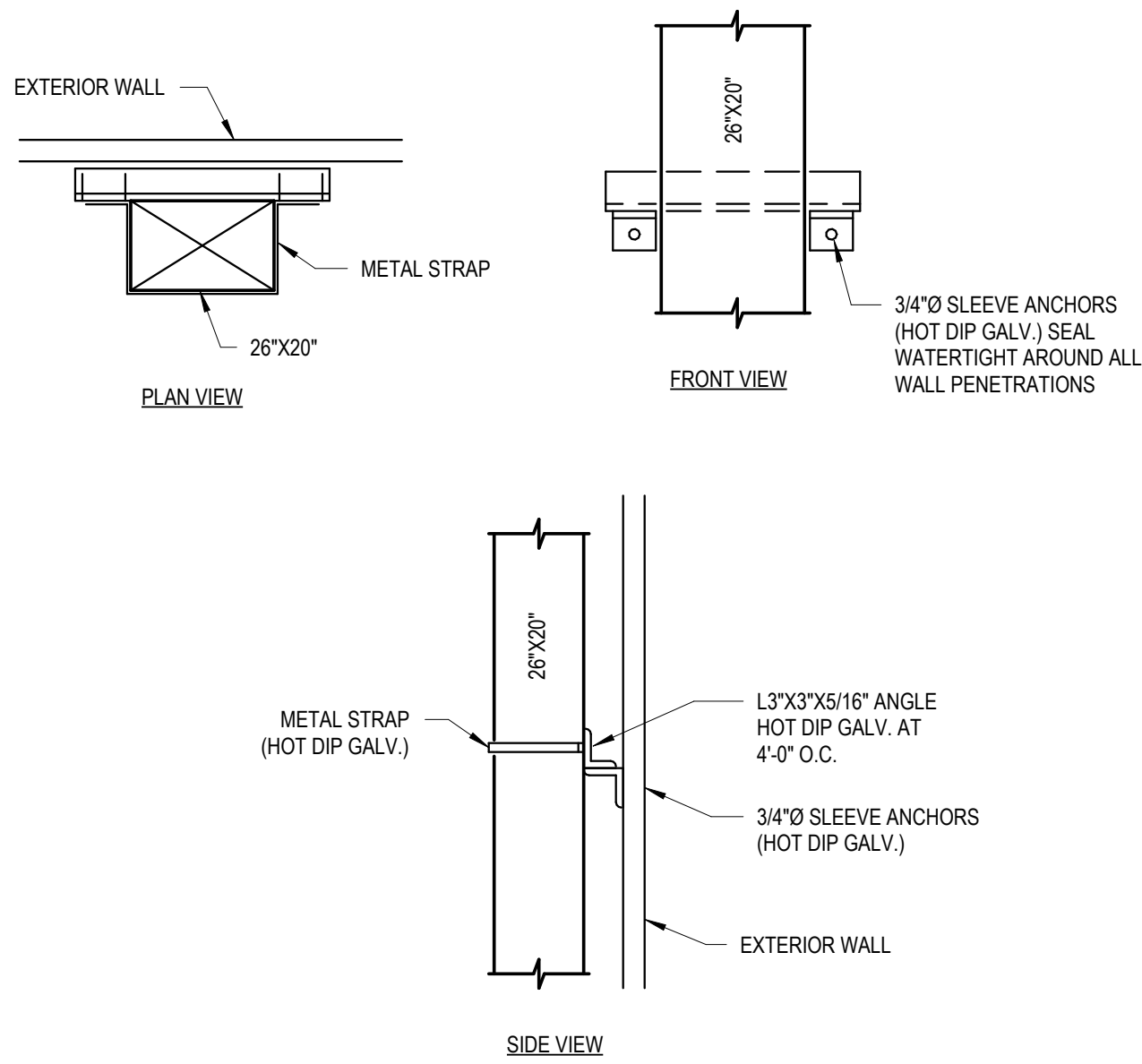


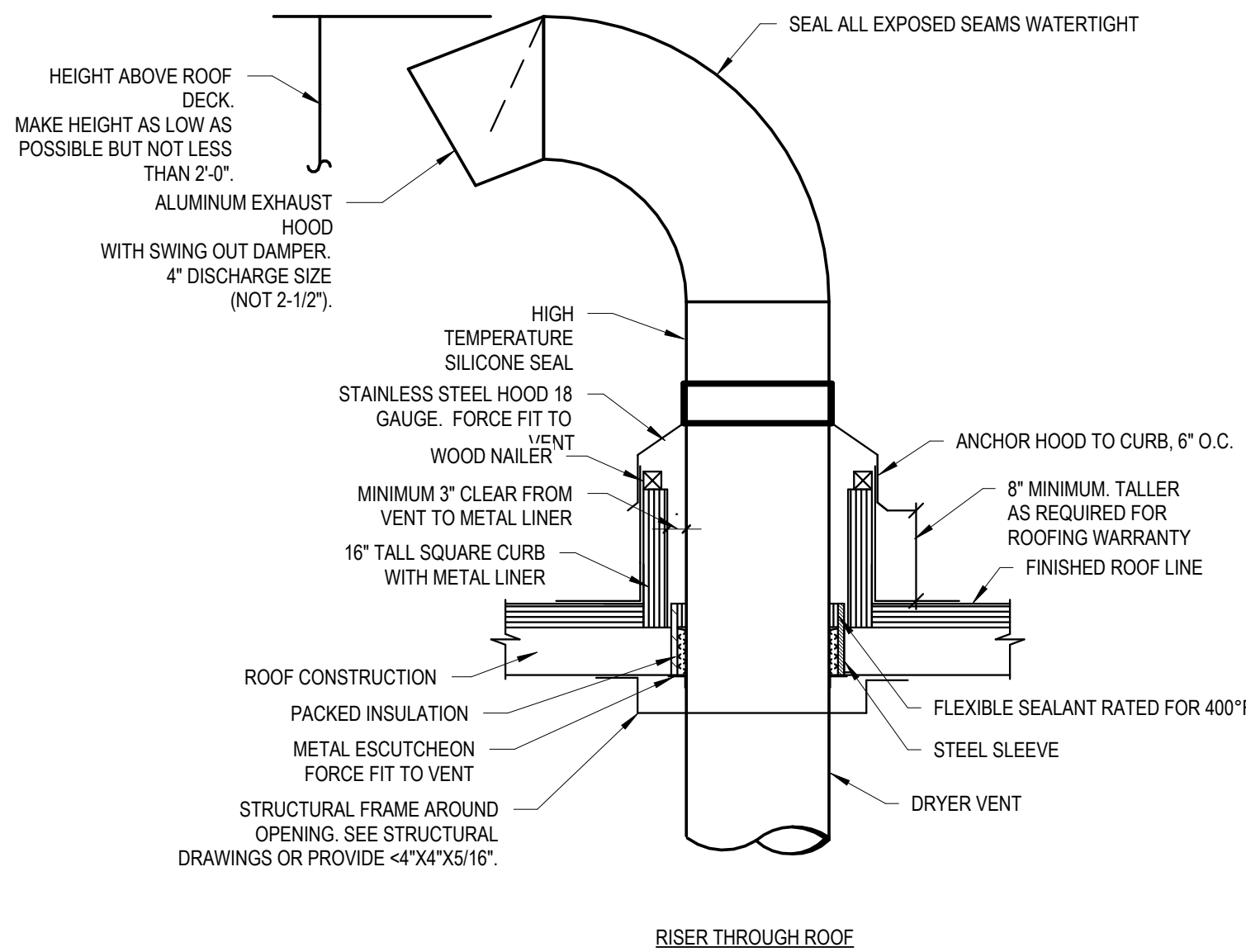


- PLAN NOTES
- 1 A MINIMUM OF FIVE (5) FEET LENGTH OF FLEXIBLE DUCT SHALL BE PROVIDED TO EACH DIFFUSER. DUCTWORK SHALL CONTAIN 180° OF BENDING. FLEXIBLE DUCTWORK LENGTH SHALL NOT EXCEED EIGHT (8) FEET EXCEPT WHERE SPECIFICALLY NOTED. FLEX DUCT SHALL NOT CONTACT CEILING AND SHALL BE PROPERLY SUPPORTED SO AS TO HAVE NO KINKS.
 - 2 TIE-WRAP CONNECT FLEX DUCT HELICAL COIL TO ROUND METAL DIFFUSER NECK AND TO ROUND METAL DUCTWORK AT OTHER END OF FLEX DUCT. PULL FLEX DUCT VAPOR BARRIER OVER LOWER TIE-WRAP AND INSTALL SECOND TIE-WRAP OVER THE VAPOR BARRIER. INSULATE METAL DUCT OR DIFFUSER OVER TOP OF SECOND TIE-WRAP AND INSTALL INSULATOR'S TAPE ON EDGES.
 - 3 PROVIDE A MINIMUM OF 18" OF STRAIGHT, VERTICALLY ORIENTED, FLEXIBLE DUCT AT THE DIFFUSER NECK. IF UNABLE TO PROVIDE STRAIGHT DUCT RUN THEN PROVIDE OBSTRUCTED INSTALLATION PLENUM IN ACCORDANCE WITH THIS DETAIL.

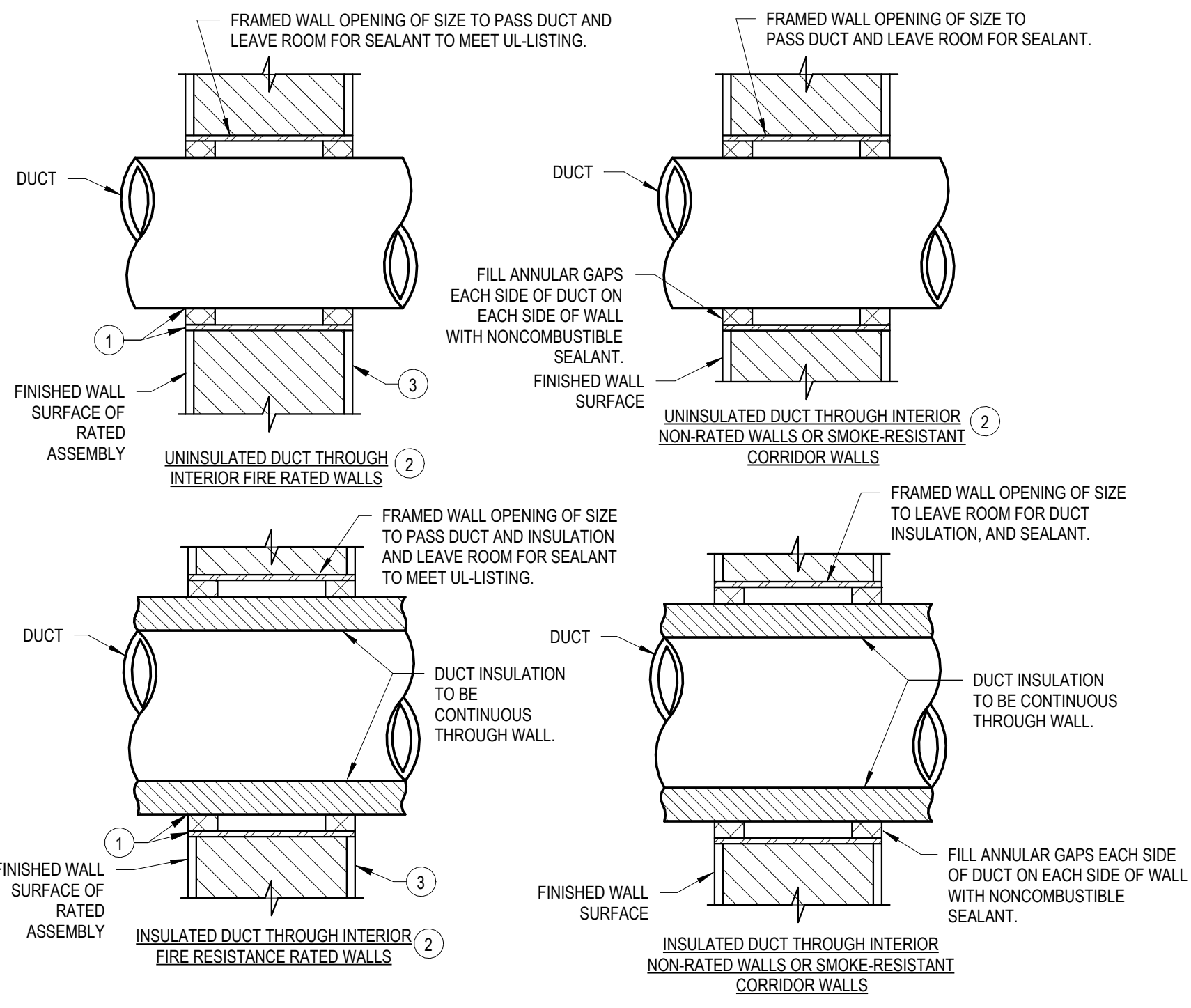
1 DIFFUSER DETAIL
NO SCALE



4 DUCTWORK SUPPORT DETAIL
NO SCALE

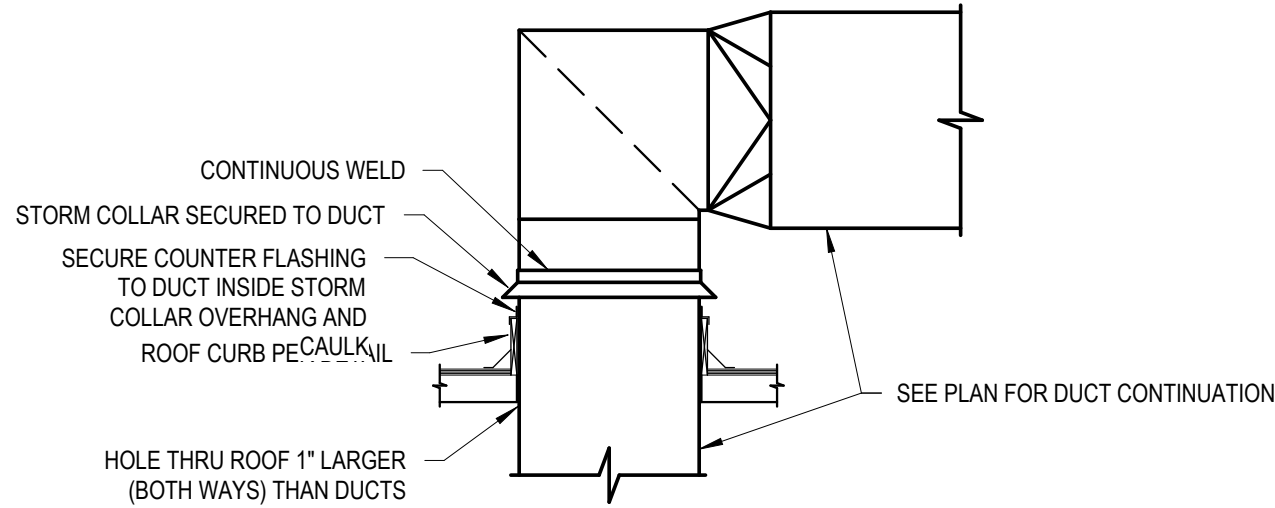


7 DRYER VENT DETAIL
NO SCALE

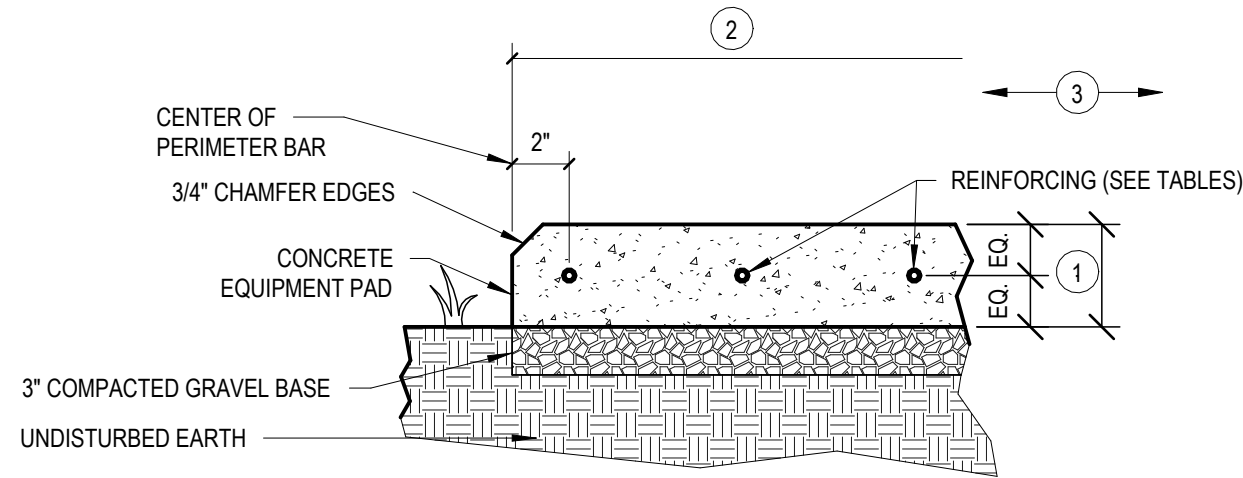


- PLAN NOTES
- 1 INSTALL FIRESTOP SYSTEM AS SPECIFIED IN DIVISION 7. INSTALL RETAINING ANGLES AS REQUIRED BY SYSTEM LISTING.
 - 2 INCLUDES FIRE BARRIERS, SMOKE BARRIERS, AND FIRE PARTITIONS AS DEFINED IN THE LOCAL APPLICABLE CODES AND ON THE PLANS.
 - 3 LOCATE FIRESTOP LABEL ON EACH SIDE OF PENETRATION SO THAT IT IS VISIBLE FROM AN ACCESSIBLE LOCATION ABOVE CEILING.

2 DUCT PENETRATION DETAILS
NO SCALE



5 DUCT PENETRATION THROUGH ROOF DETAIL
NO SCALE

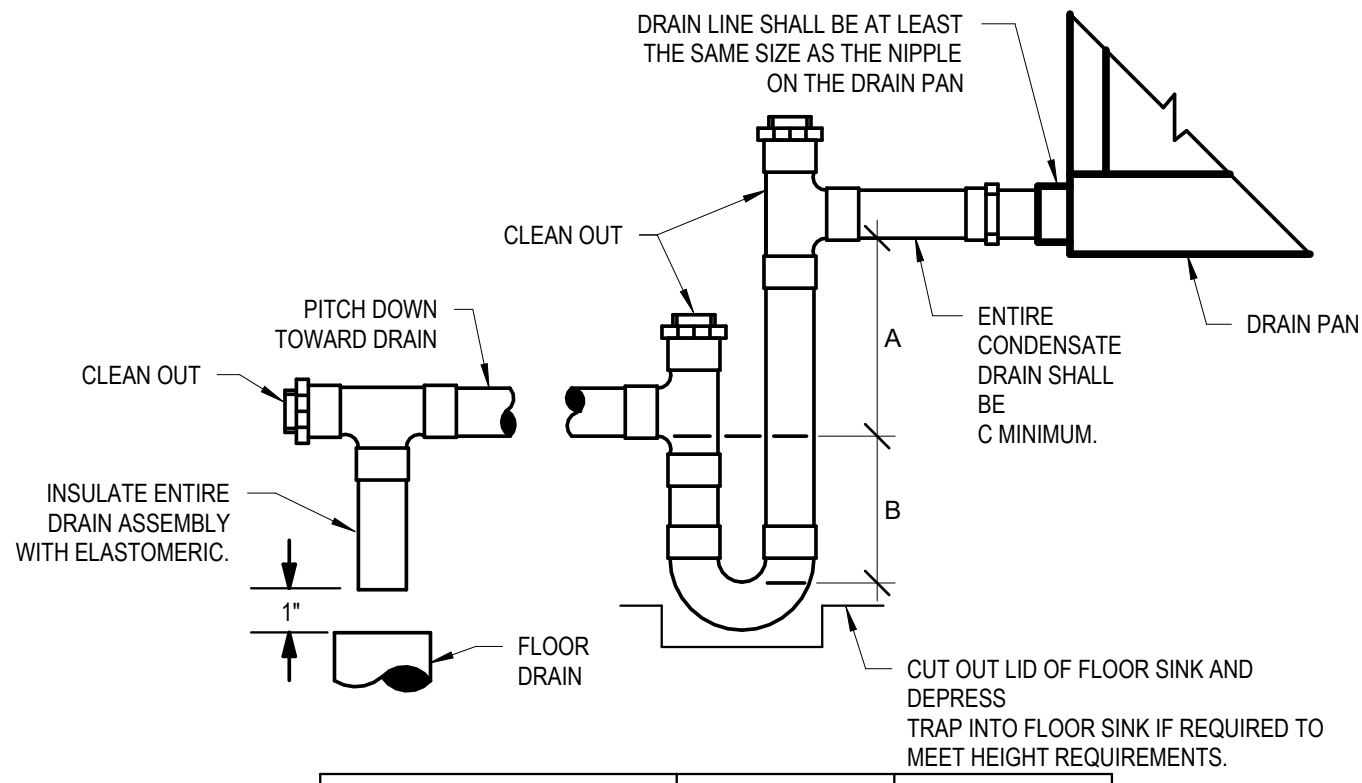


- NOTES:
- 1 PROVIDE 4" HEIGHT OF EQUIPMENT PAD UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
 - 2 PAD SIZE TO BE A MINIMUM OF 6" LARGER THAN SIZE OF EQUIPMENT EACH DIRECTION (4" MINIMUM EACH SIDE OF EQUIPMENT TO EDGE OF PAD) WITH EQUIPMENT ANCHORS A MINIMUM OF 8" FROM EDGE OF PAD. VERIFY EDGE DISTANCE REQUIREMENTS FOR ACTUAL ANCHORS FROM MANUFACTURER'S WRITTEN LITERATURE.
 - 3 MAINTAIN MANUFACTURERS EQUIPMENT CLEARANCE REQUIREMENTS FROM EXTERIOR WALLS AND OTHER EQUIPMENT.

AREA (FT ²)	REINFORCING	MAX. LOAD (LB.)
UP TO 40	6 X 6 W2 2XW2 9 #3 ALONG PERIMETER	8,000
41 TO 100	#3 @ 12" O.C.E.W. #3 ALONG PERIMETER	15,000
101 TO 200	#4 @ 12" O.C.E.W. #4 ALONG PERIMETER	25,000
201 TO 400	#4 @ 12" O.C.E.W. #4 ALONG PERIMETER	50,000

NOTE: O.C.E.W. = ON CENTER EACH WAY

8 EQUIPMENT PAD DETAIL - GRADE
NO SCALE



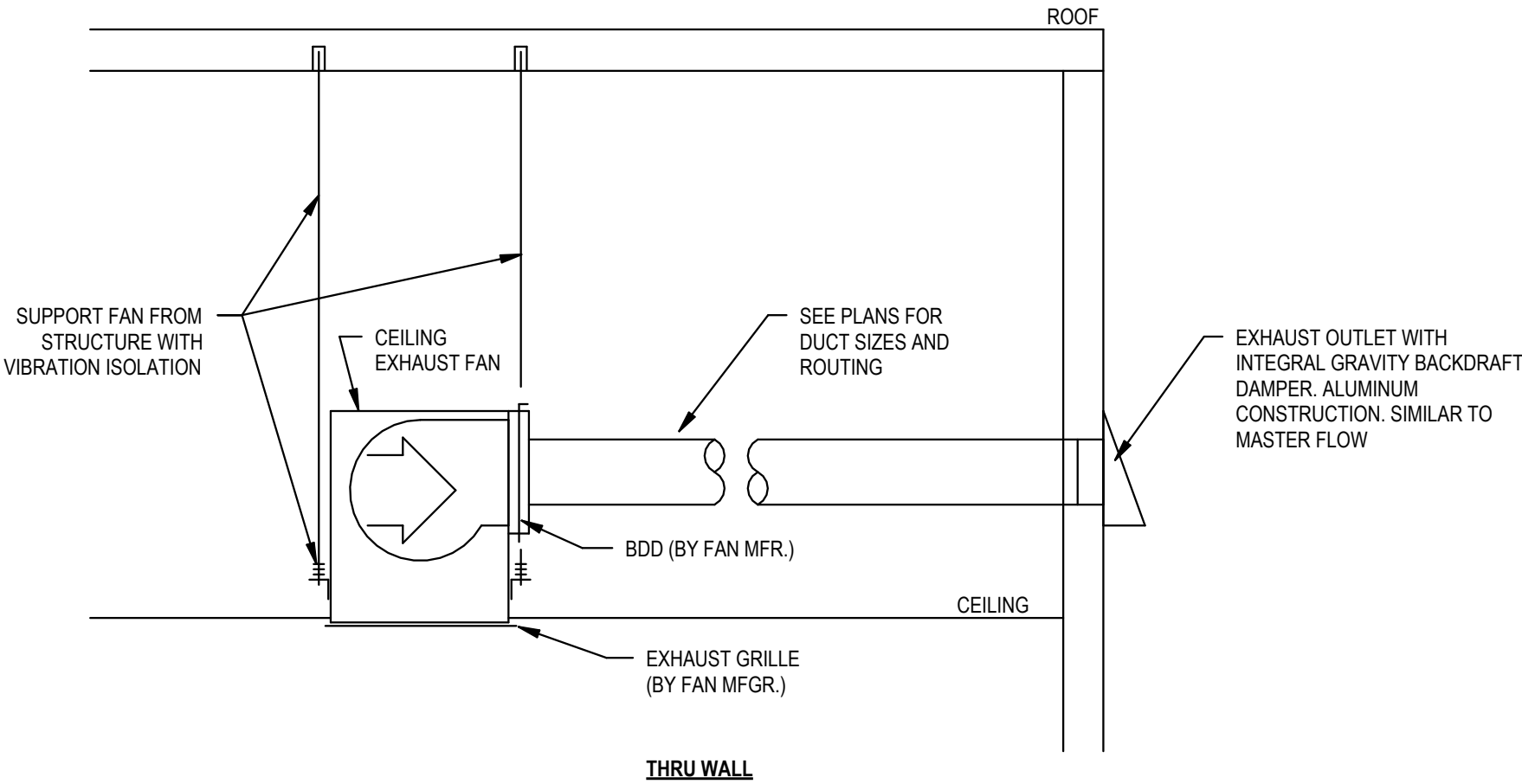
UNIT TYPE	A	B
DRAW THROUGH	P + 1"	P/2 + 1"
BLOW THROUGH	2" MIN.	2P

P = STATIC PRESSURE AT DRAIN PAN

UNIT	P (IN W.G.)	A (IN)	B (IN)	C (IN)
FCU-X	0.8	1.8	1.4	0.75
AHU-X	3.0	4.0	2.5	1.5

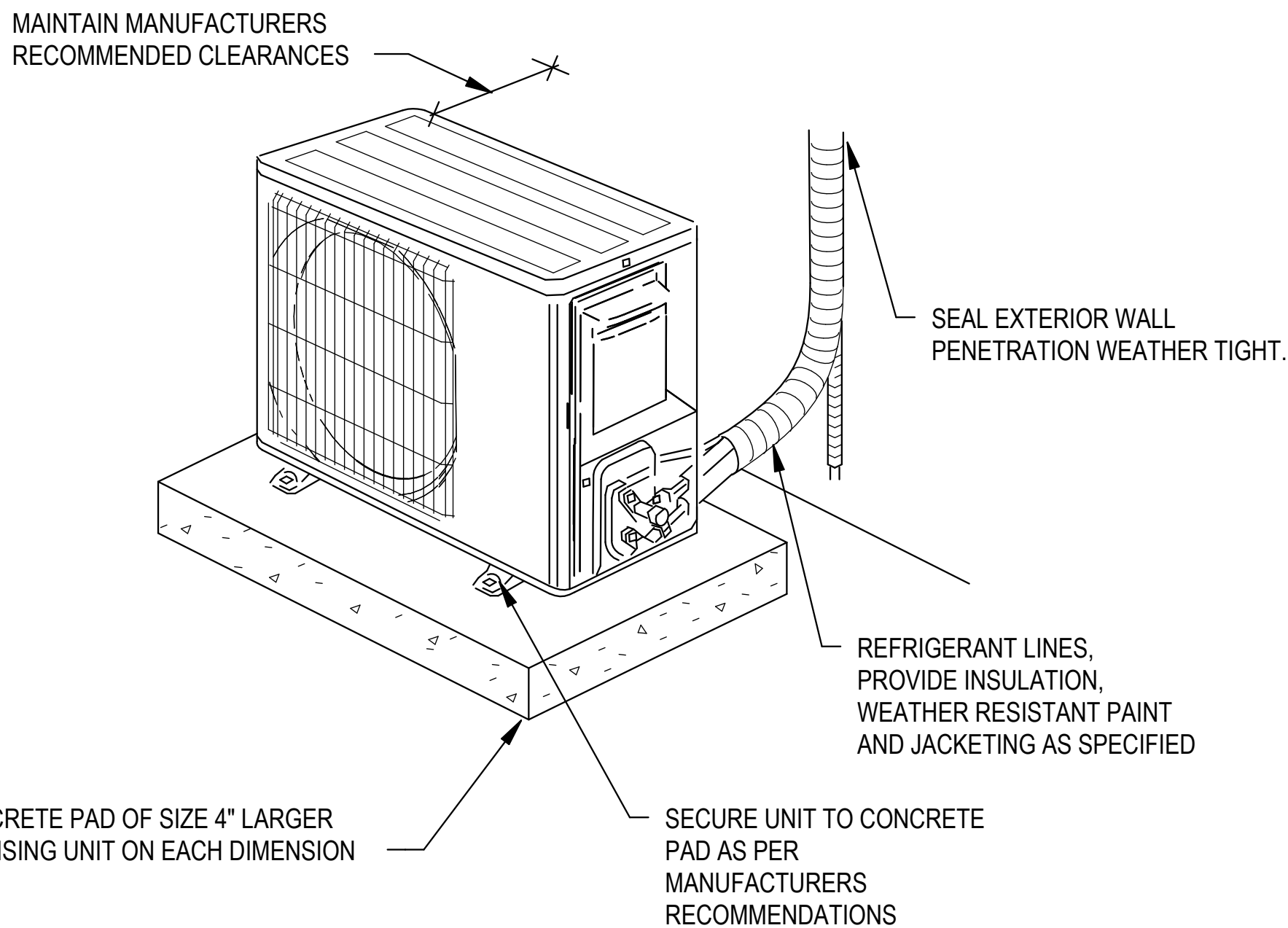
- EDITOR'S NOTES:
1. VERIFY THAT SUFFICIENT HEIGHT IS AVAILABLE TO PROPERLY INSTALL TRAP ASSEMBLY.
 2. DESIGNER SHALL FILL IN VALUES AND SCHEDULE ALL AHU TRAP DIMENSIONS. NOTE DIRTY FILTER LOADING WHEN DETERMINING PRESSURE AT DRAIN PAN.
 3. COORDINATE A WIDE, DEEP FLOOR SINK WITH PLUMBING IF NECESSARY TO DEPRESS TRAP.
 4. DIMENSION A IS MEASURED TO THE PAN WATER INLET WHICH COULD BE HIGHER THAN THE CONNECTION ON THE EXTERIOR OF THE UNIT IF THERE IS A BOTTOM ENTRANCE INTO THE PAN.
 5. EDIT CODE MINIMUM SIZE BASED ON COOLING COIL CAPACITY:
- | MBH | SIZE |
|----------------|--------|
| UP TO 240 | 3/4" |
| 241 TO 480 | 1" |
| 481 TO 1,080 | 1-1/4" |
| 1,081 TO 1,500 | 1-1/2" |
| 1,501 TO 3,000 | 2" |

3 CONDENSATE DRAIN TRAP DETAIL
NO SCALE



- NOTES:
1. FAN SHALL INCLUDE LED LIGHT WITH SEPARATE WALL SWITCH
 2. FAN SHALL INCLUDE OCCUPANCY SENSOR TO ACTIVATE LIGHT AND FAN ONLY WHEN ROOM OCCUPIED.
 3. FAN SHALL BE ENERGY STAR COMPLIANT

6 EXHAUST FAN CEILING DETAIL
NO SCALE



9 CONDENSING UNIT DETAIL - MINISPLIT ON GRADE
NO SCALE