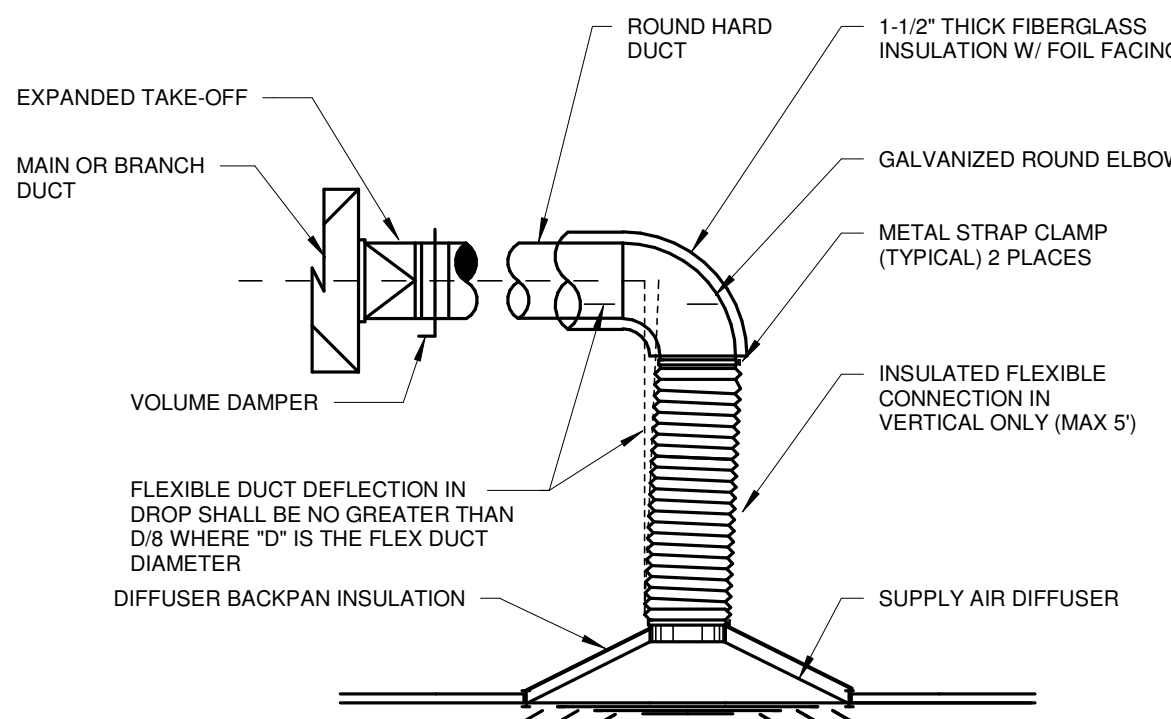
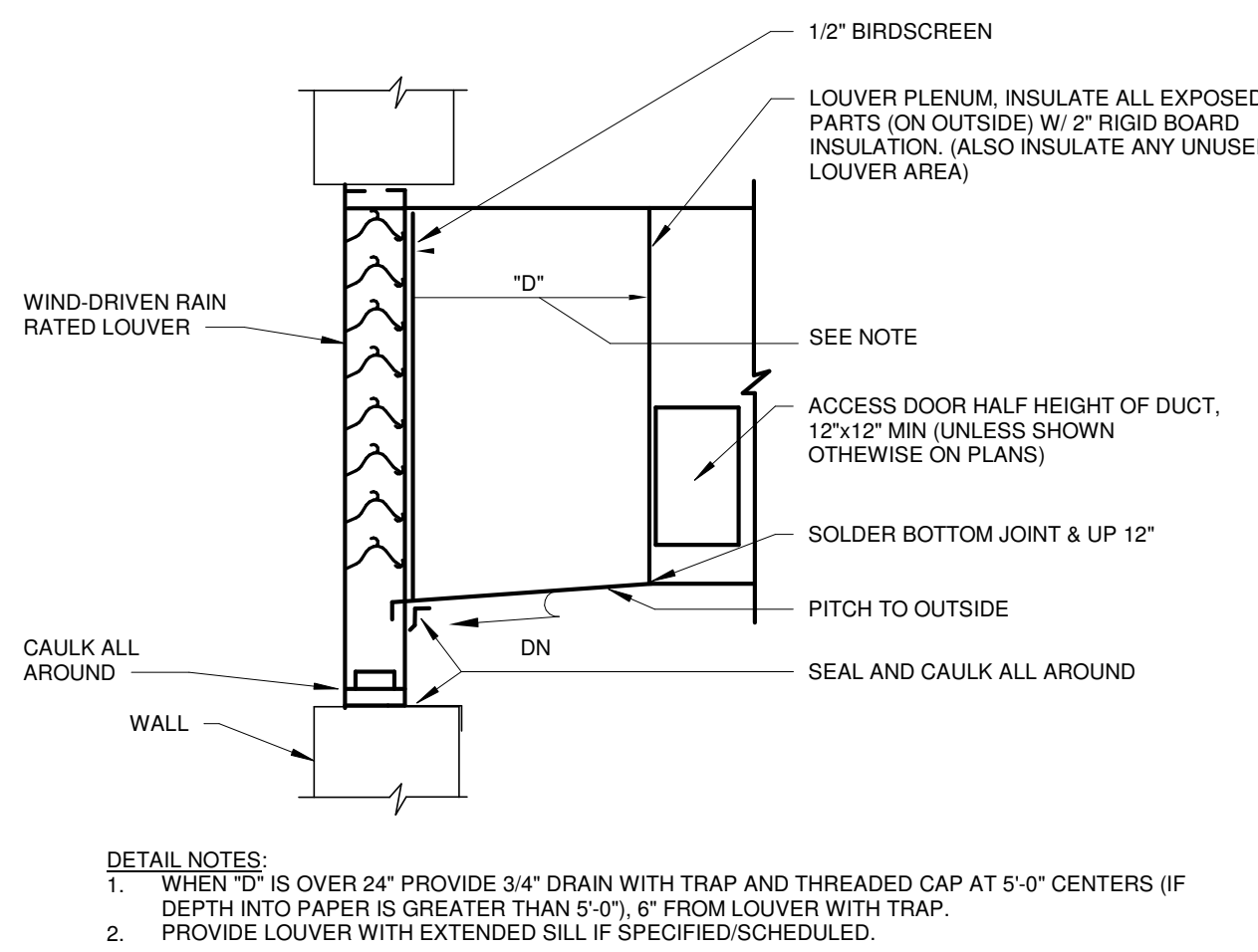


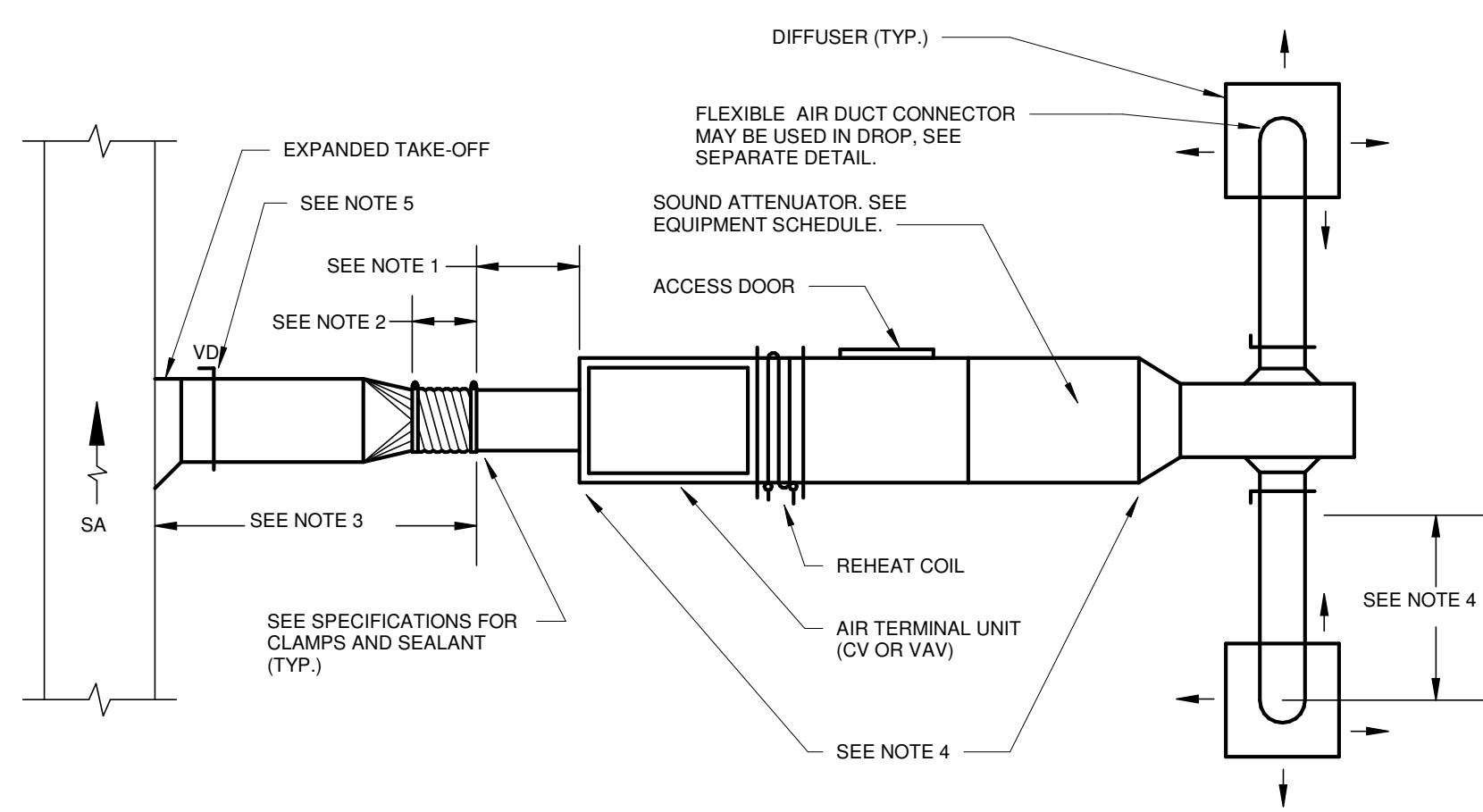
DUCTWORK ROOF PENTRATION DETAIL
NOT TO SCALE



DIFFUSER CONNECTION - FLEX DETAIL
NOT TO SCALE

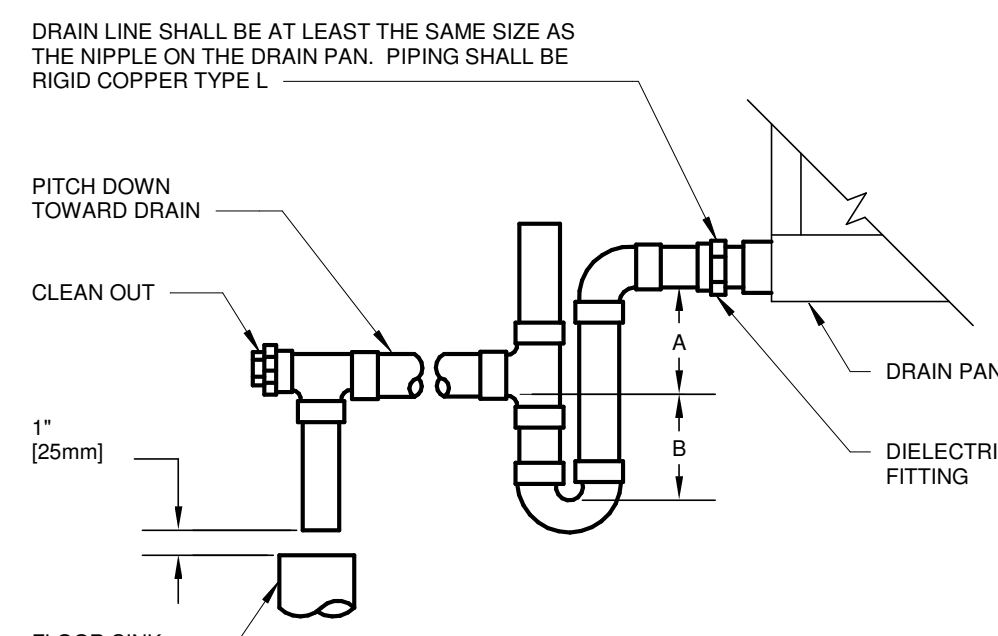


LOUVER CONNECTION
NOT TO SCALE



DUCT CONNECTION - AIR TERMINAL UNITS
NOT TO SCALE

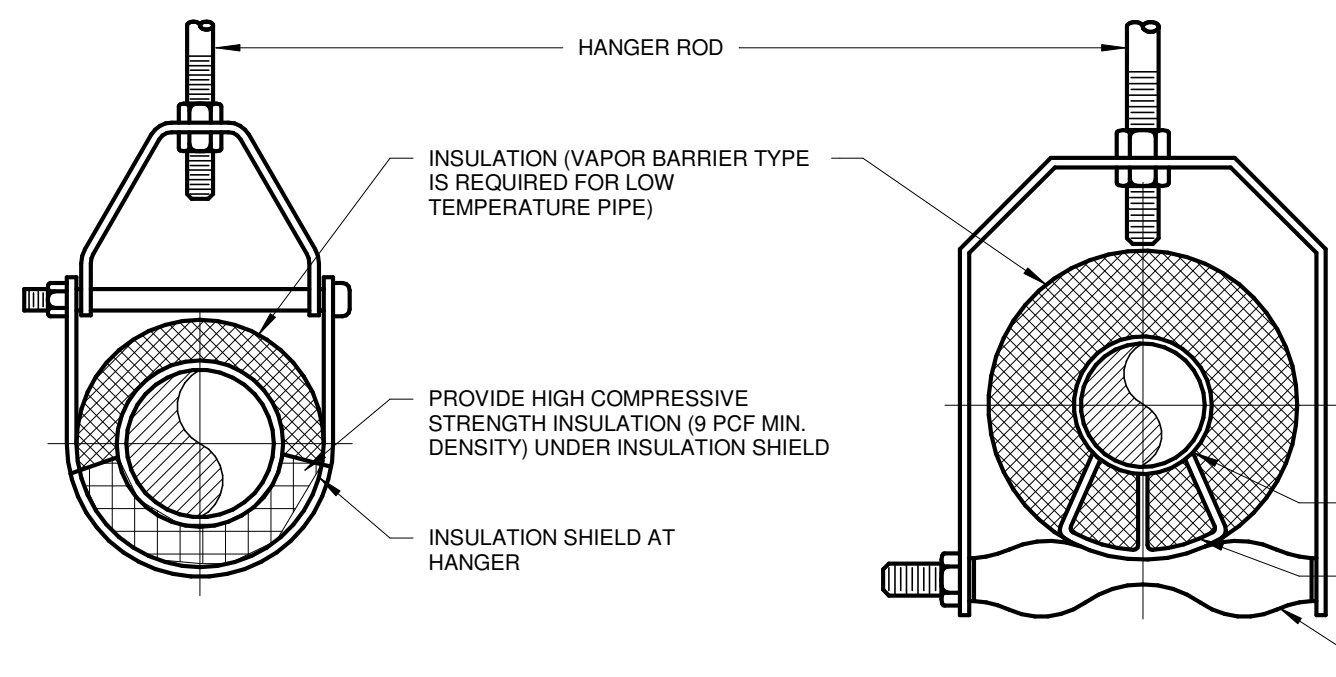
- NOTES:
1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET.
 2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 4'-0" AND MUST BE HIGH PRESSURE RATED.
 3. A BRANCH DUCT SERVING AN INDIVIDUAL BOX MAY BE THE SAME SIZE AS THE BOX INLET, PROVIDED THE EQUIVALENT LENGTH OF THE BRANCH DUCT, AS SHOWN, DOES NOT EXCEED 10 FEET. FOR LONGER LENGTHS, INCREASE THE DUCT SIZE AND PROVIDE A DUCT TRANSITION TO MAINTAIN THE DUCT STATIC PRESSURE DROP AT OR BELOW 0.2"/100'.
 4. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER, PROVIDE INSULATION W/ VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.
 5. VD IN RUNOUT TO TERMINAL UNIT ONLY REQUIRED IF SHOWN ON PLANS.



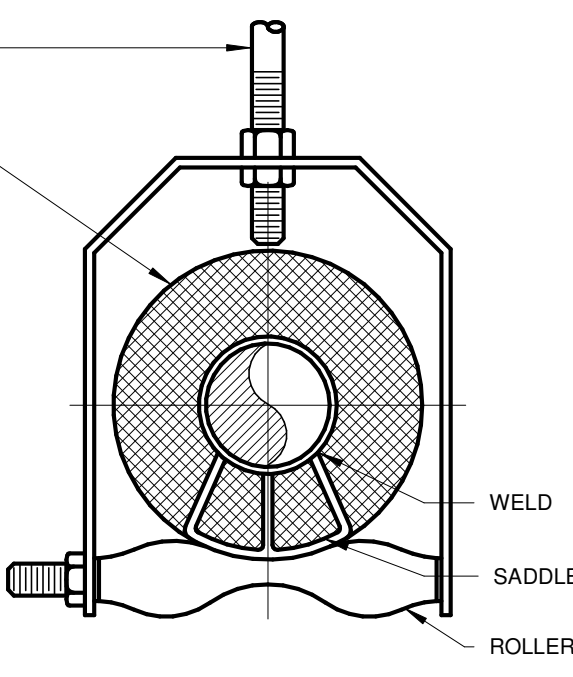
- NOTES:
1. DIELECTRIC FITTING TO BE USED WHEN TWO DISSIMILAR METALS ARE TO BE CONNECTED.

UNIT TYPE	A	B
DRAW THRU	2" (50mm) PLUS X	X
BLOW THRU	1" (25mm) MINIMUM	2X

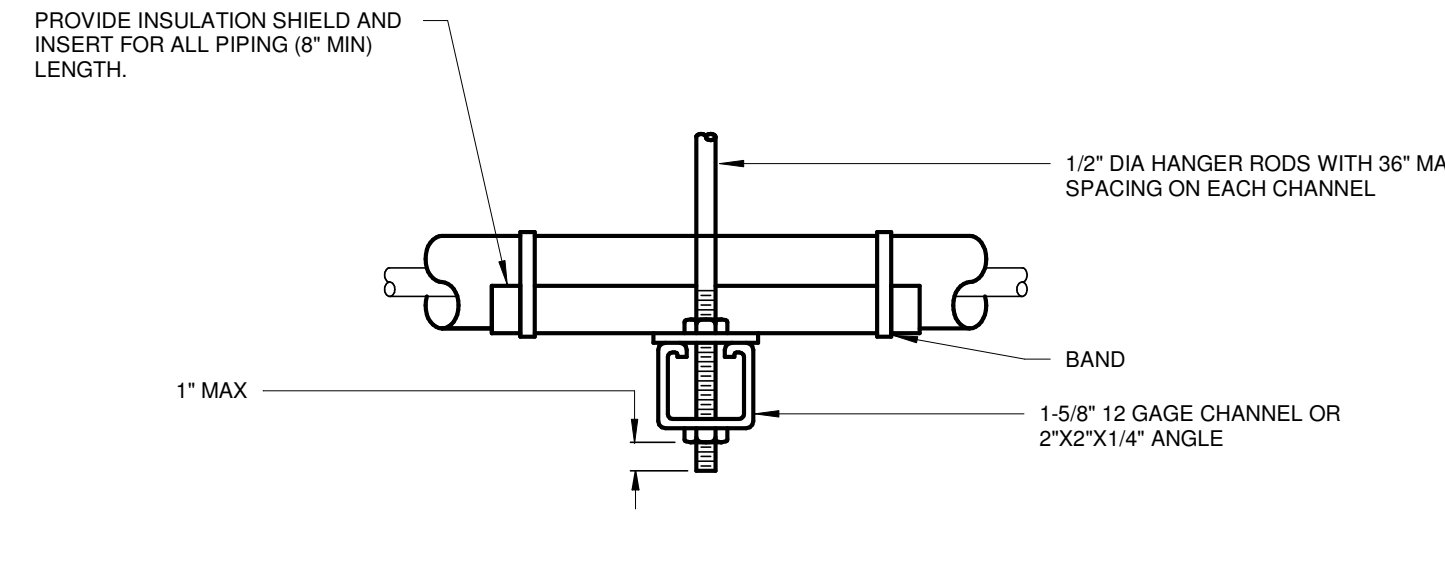
WHERE X = STATIC PRESSURE IN PAN



ADJUSTABLE CLEVIS HANGER
TYPE 1 - SEE SPECIFICATIONS



ADJUSTABLE CLEVIS HANGER
TYPE 43 - SEE SPECIFICATIONS

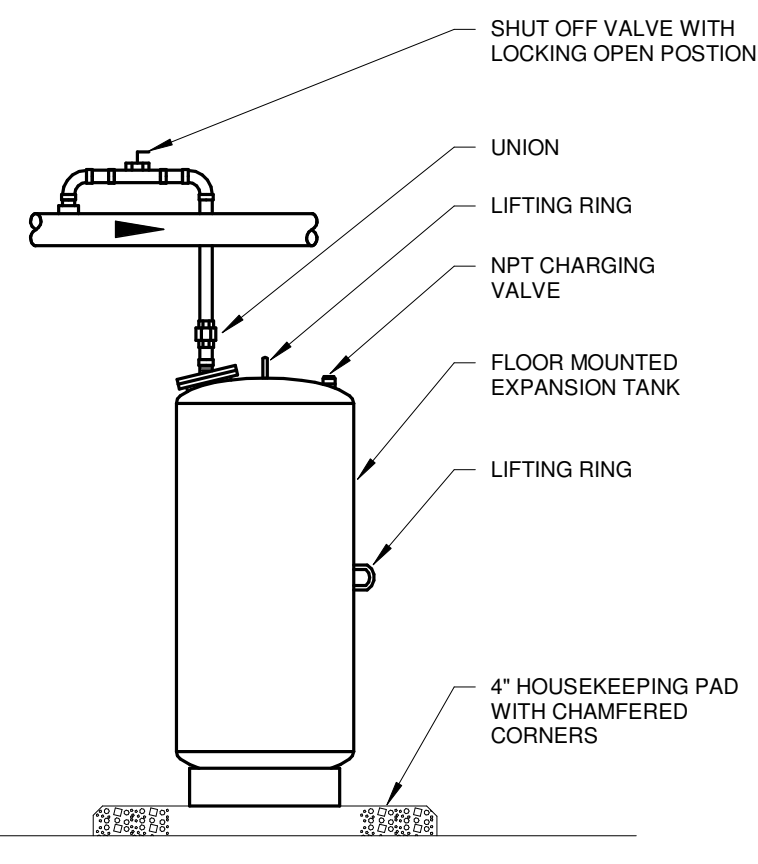


TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

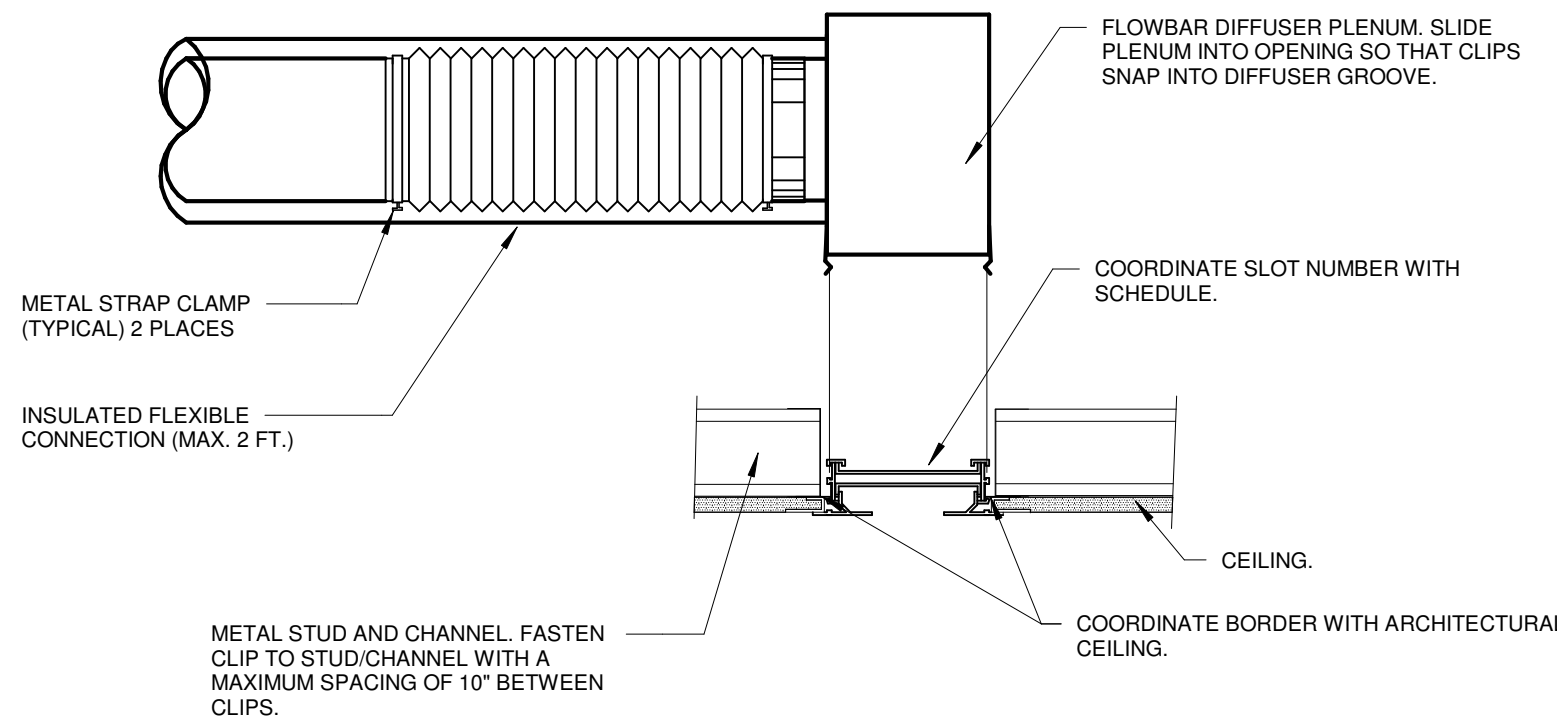
MAXIMUM PIPE/TUBING SUPPORT SPACING																			
NOM. SIZE	IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
PIPE	FT.	7	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
TUBING	FT.	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-	-	-	-	-

NOTE: FOR TRAPEZE HANGER, USE SPACING OF SMALLEST PIPE/TUBE SIZE ON TRAPEZE.

NOTE: FOR TRAPEZE HANGER, USE SPACING OF SMALLEST PIPE/TUBE SIZE ON TRAPEZE.



EXPANSION TANK (FLOOR MOUNTED)
NOT TO SCALE

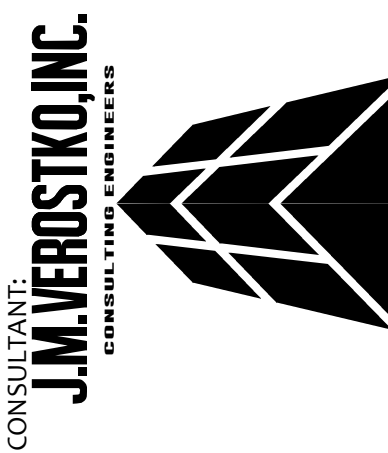
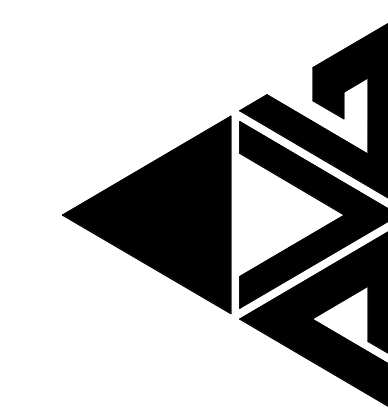


- NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING OPENING IN CEILING.

LINEAR DIFFUSER DETAIL
NOT TO SCALE

PROJECT NO
2203-1

ARCHITECTURAL VISION GROUP, LTD
PLANNERS
ARCHITECTS
CLEVELAND, OHIO 44145
23850 SPERRY DRIVE



MASSILLON CITY SCHOOL
MASSILLON WEST ELEMENTARY
PK-3
250 29TH STREET NW, MASSILLON, OHIO 44646

DATE	BY	DESCRIPTION
07/15/23	100%	BID PREPARE SET
MAR 2024	REV	ISSUED AS:

PROJECT NO 2203-1
DRAWN BY MAR
CHECKED BY ARB
DATE

HVAC DETAILS

SCALE: 1/8" = 1'-0"
SHEET NO
M-402