



AlexAllen Studio Architects PLLC

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www.alexallenstudio.com

PHASE:	REVISION No.	DATE:
100% Issued for Permit	-	03/18/2022
Bldg. Comments	1	04/22/2022
Bldg. Comments	2	05/02/2022
HRS Comments	3	06/17/2022
Owners changes	4	01/24/2023

100% ISSUED FOR PERMIT

STRUCTURAL ENGINEER

THM Structural Consulting
9719 South Dixie Hwy, Suite 2
Miami, Florida 33156
T: (786) 431-1753

MEP ENGINEER

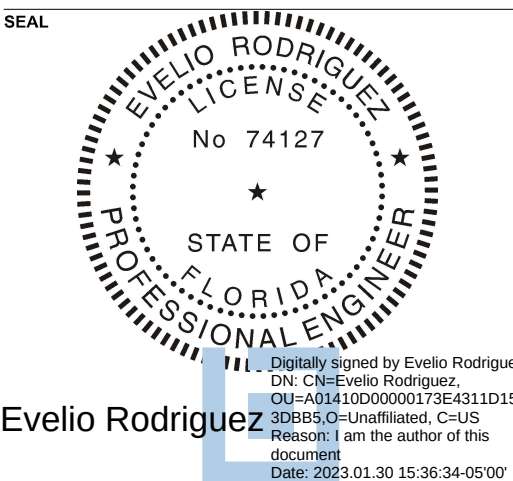
Luseo Engineering Group
7875 SW 104 Street, Suite 203
Miami, Florida 33156
T: (305) 351-2960
CA#32708

CIVIL ENGINEER

Zamora & Associates, Inc
11410 N. Kendall Drive, Suite 302
Miami, Florida 33176
T: (305) 273-7801

LANDSCAPE ARCHITECT

Andres Montero Landscape Arch.
2208 NE 26th Street, Unit 1
Fort Lauderdale, FL 33305
T: (954) 591-5606



EVELIO RODRIGUEZ
P.E. # 74127

PROJECT
PINECREST RESIDENCE
12020 SW 77th Avenue
Pinecrest, FL 33156

OWNER
KEVIN HUBER & MILA KHOMIAK
12020 SW 77th Avenue
Pinecrest, FL 33156

TITLE

MECHANICAL
DETAILS

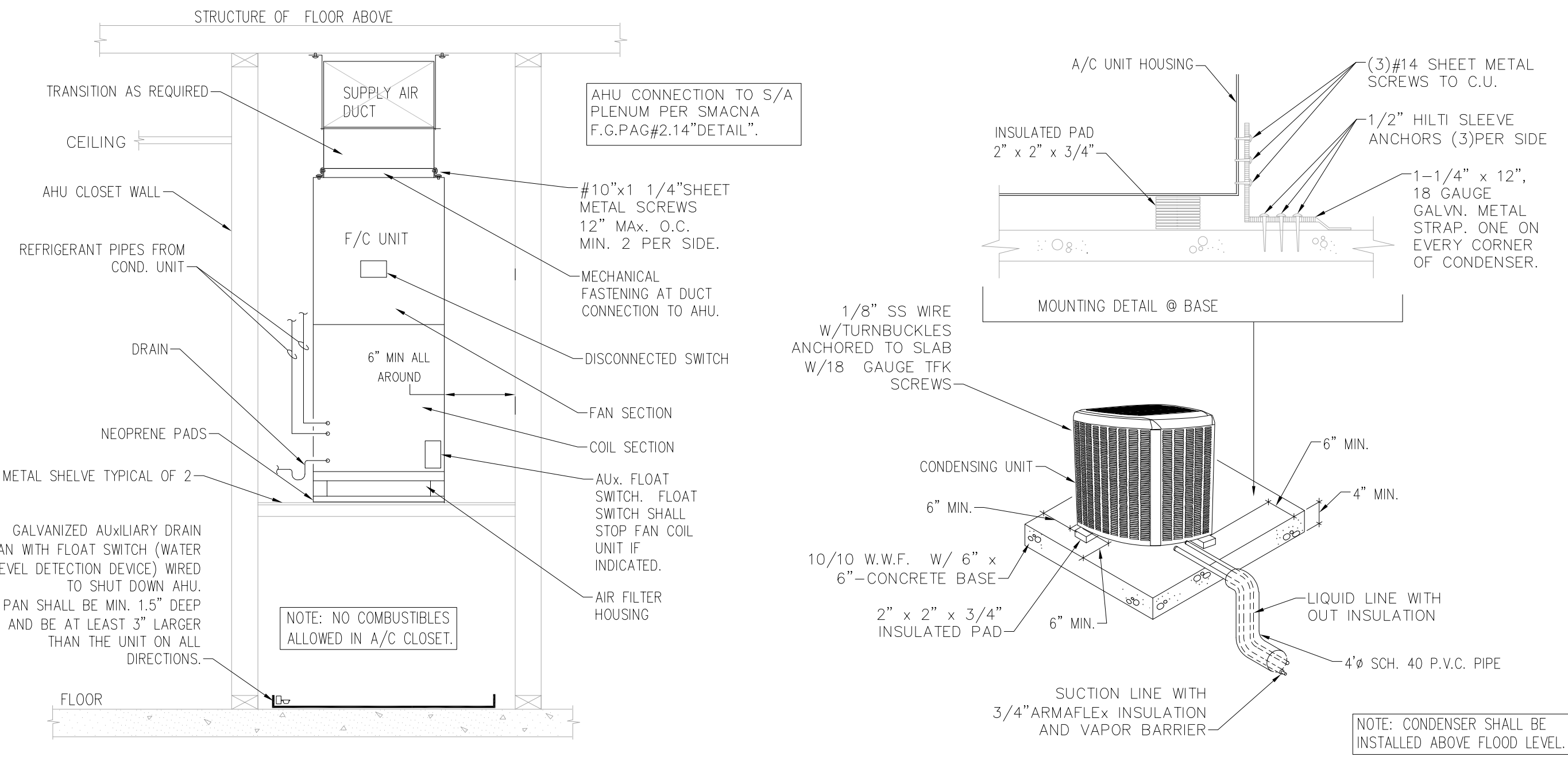
SCALE
1/4" = 1'-0"

PROJECT NUMBER
2103

SHEET
M-5.0

DATE
03/18/2022

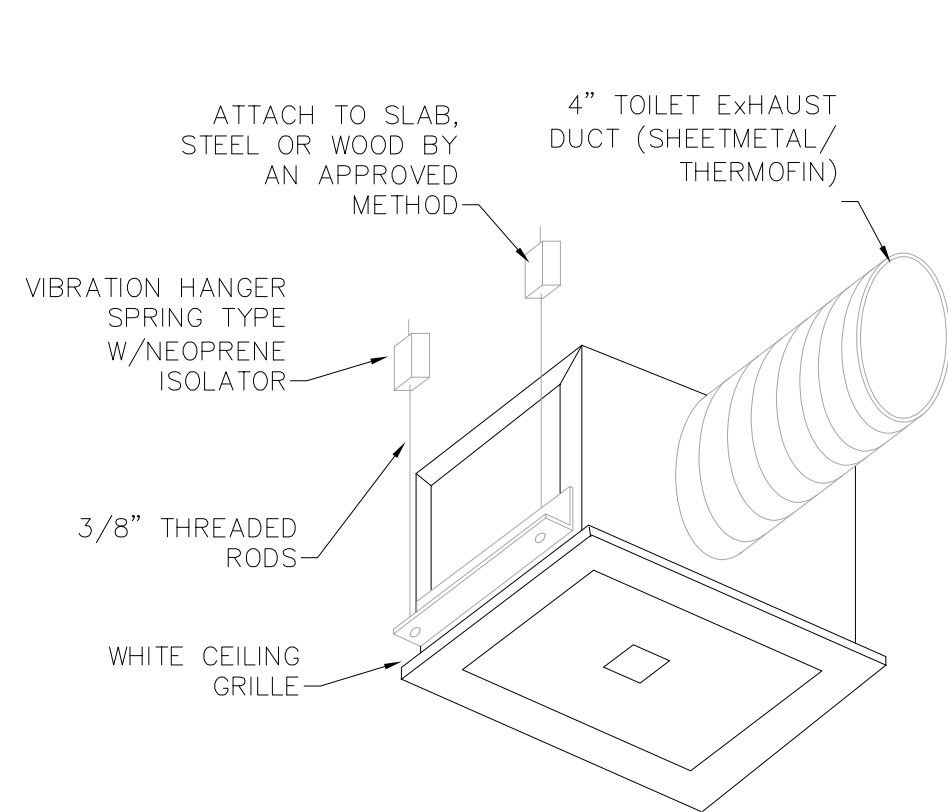
DRAWING NUMBER
5 OF 5



- NOTE:
1. PROVIDE MINIMUM 4" SERVICE/ MAINTENANCE AREA AROUND AIR HANDLING UNIT.
 2. PROVIDE FLOAT SWITCH IN DRAINPAN. WIRED TO SHUT DOWN AC UNIT IN CASE OF CONDENSATE STOPPAGE. AS PER FBC 307.2.3.

FAN COIL UNIT MOUNTING DETAIL

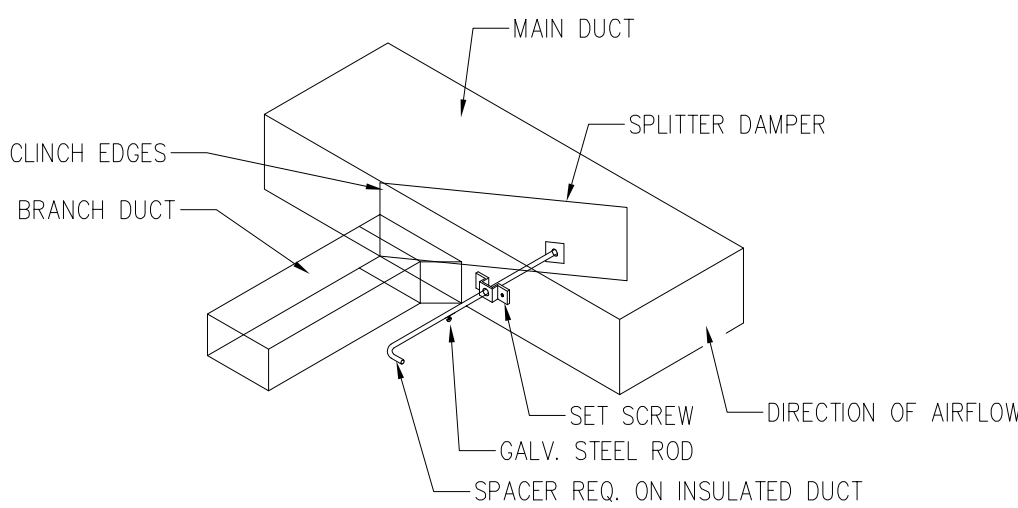
N.T.S.



- NOTES:
- 1.- PROVIDE BACKDRAFT DAMPER W/ BIRDSCREEN
 - 2.- FLASH & SEAL WALL AND ROOF CAP
 - 3.- PROVIDE INTERNAL ISOLATION AND SOUND INSULATION
 - 4.- SUPPORT FAN FROM STRUCTURE

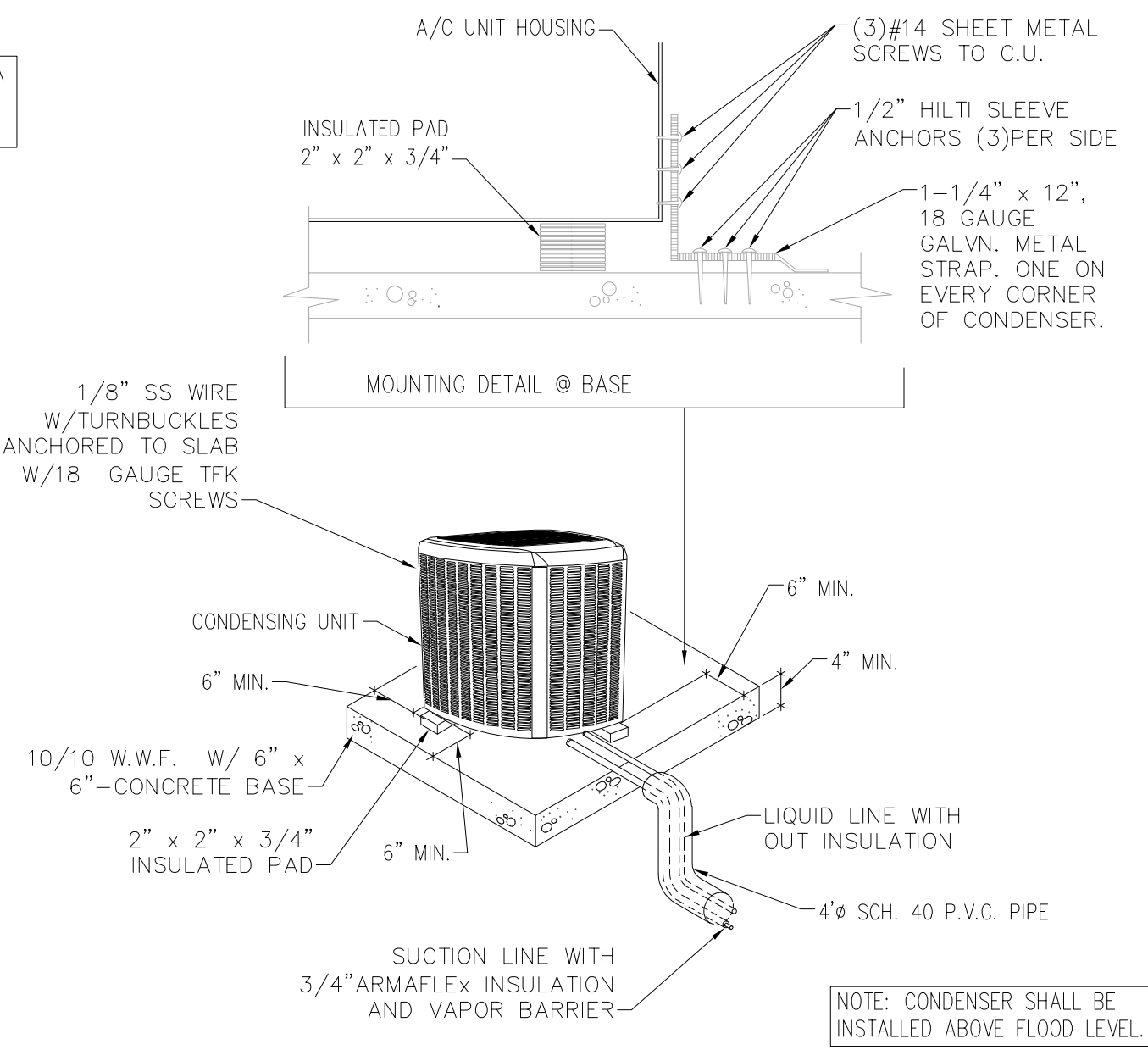
CABINET EXHAUST FAN DETAIL

N.T.S.



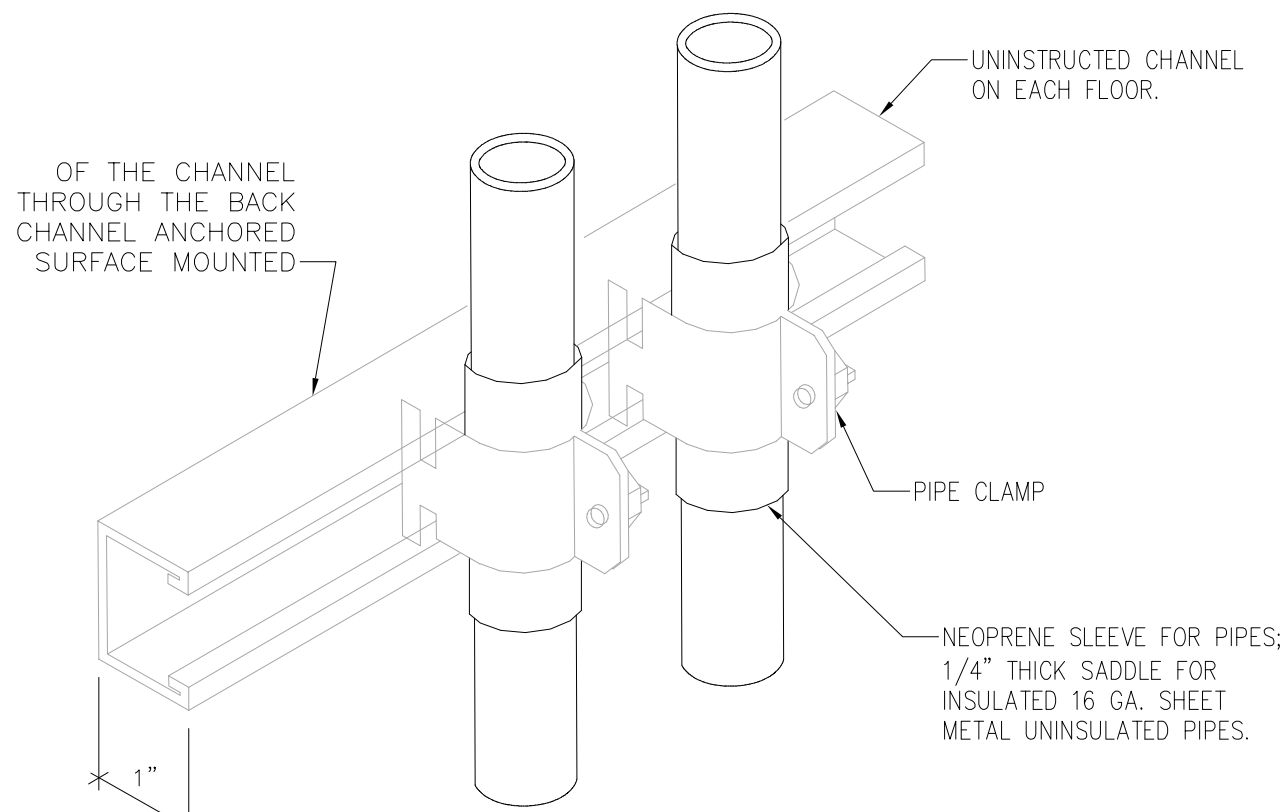
TYPICAL DUCT TAP-OFF

N.T.S.



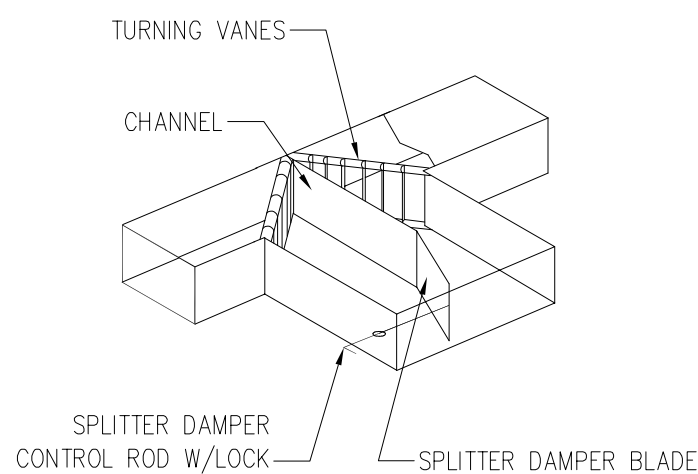
CONDENSING UNIT MOUNTING DETAIL

N.T.S.



REFRIGERANT PIPE RISER SUPPORT DETAIL

N.T.S.



HVAC DUCT DETAILS

N.T.S.

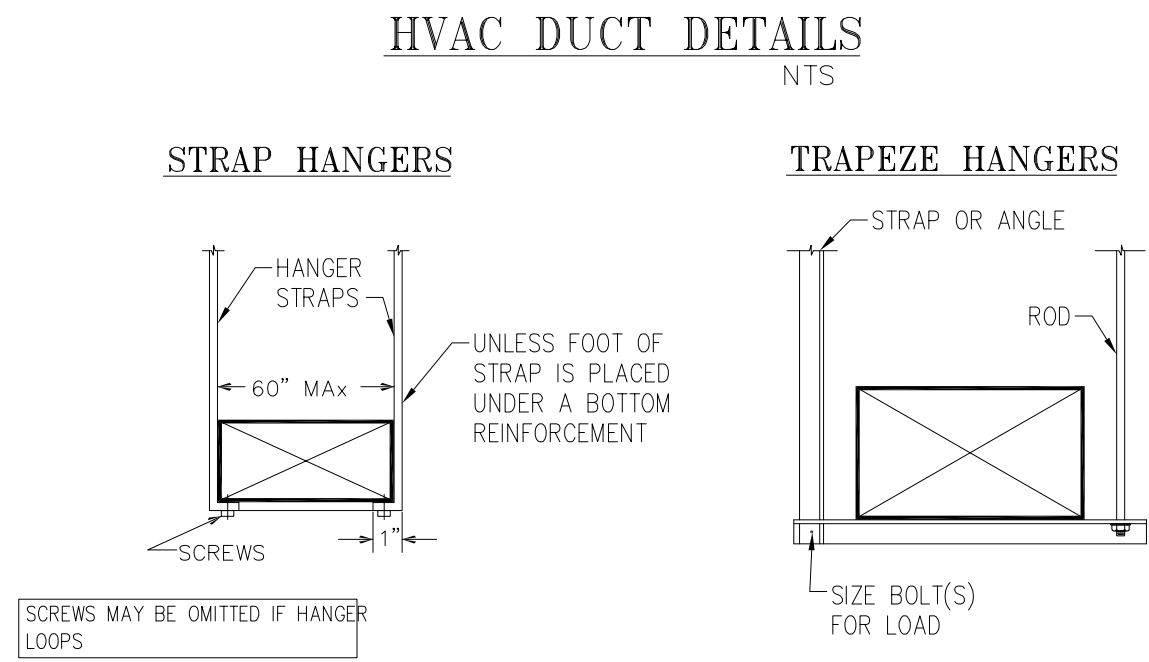
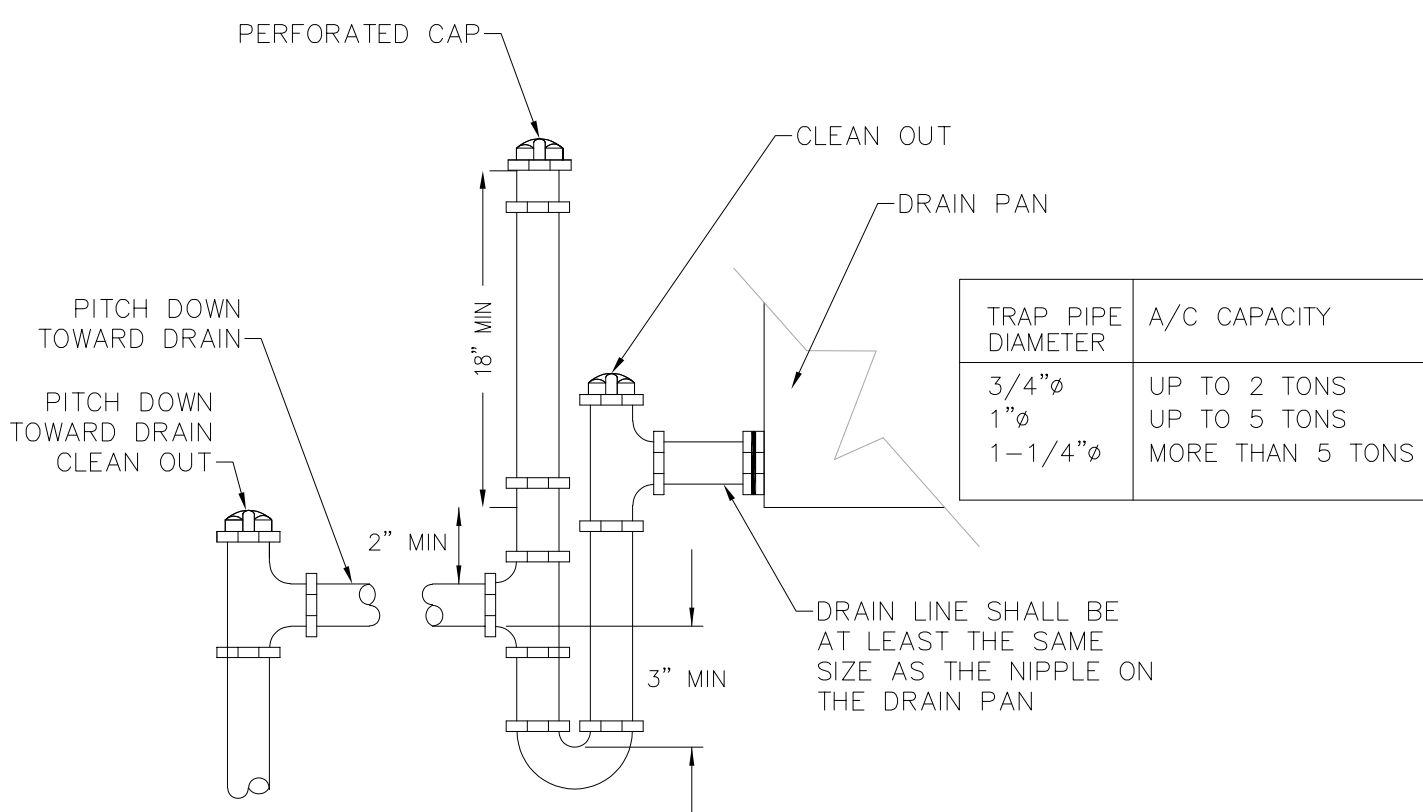


TABLE 4-1 RECTANGULAR DUCT HANGERS MINIMUM SIZE

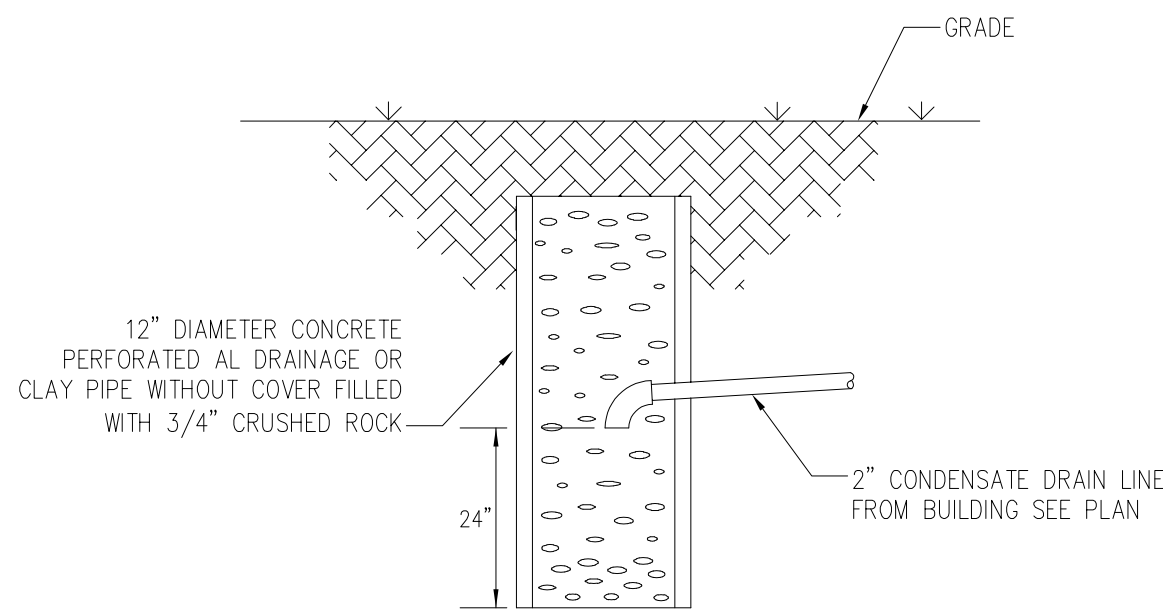
MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT SPACING		PAIR AT 8 FT SPACING		PAIR AT 5 FT SPACING		PAIR AT 4 FT SPACING	
	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD
P/2 = 30"	1"x22 GA.	10 GA. (.135")	1"x22 GA.	10 GA. (.135")	1"x22 GA.	12 GA. (.106")	1"x22 GA.	12 GA. (.106")
P/2 = 72"	1"x18 GA.	3/8"	1"x20 GA.	1/4"	1"x22 GA.	1/4"	1"x22 GA.	1/4"
P/2 = 96"	1"x16 GA.	3/8"	1"x18 GA.	3/8"	1"x20 GA.	3/8"	1"x22 GA.	1/4"
P/2 = 120"	1.5"x16 GA.	1/2"	1"x16 GA.	3/8"	1"x18 GA.	3/8"	1"x20 GA.	1/4"
P/2 = 168"	1.5"x16 GA.	1/2"	1.5"x16 GA.	1/2"	1"x16 GA.	1/2"	1"x18 GA.	3/8"
P/2 = 192"	-	1/2"	1.5"x16 GA.	1/2"	1"x16 GA.	1/2"	1"x16 GA.	3/8"
P/2 = 193" UP	SPECIAL ANALYSIS REQUIRED							

AS PER SMACNA TABLE 4-1 & FIG. 4-4



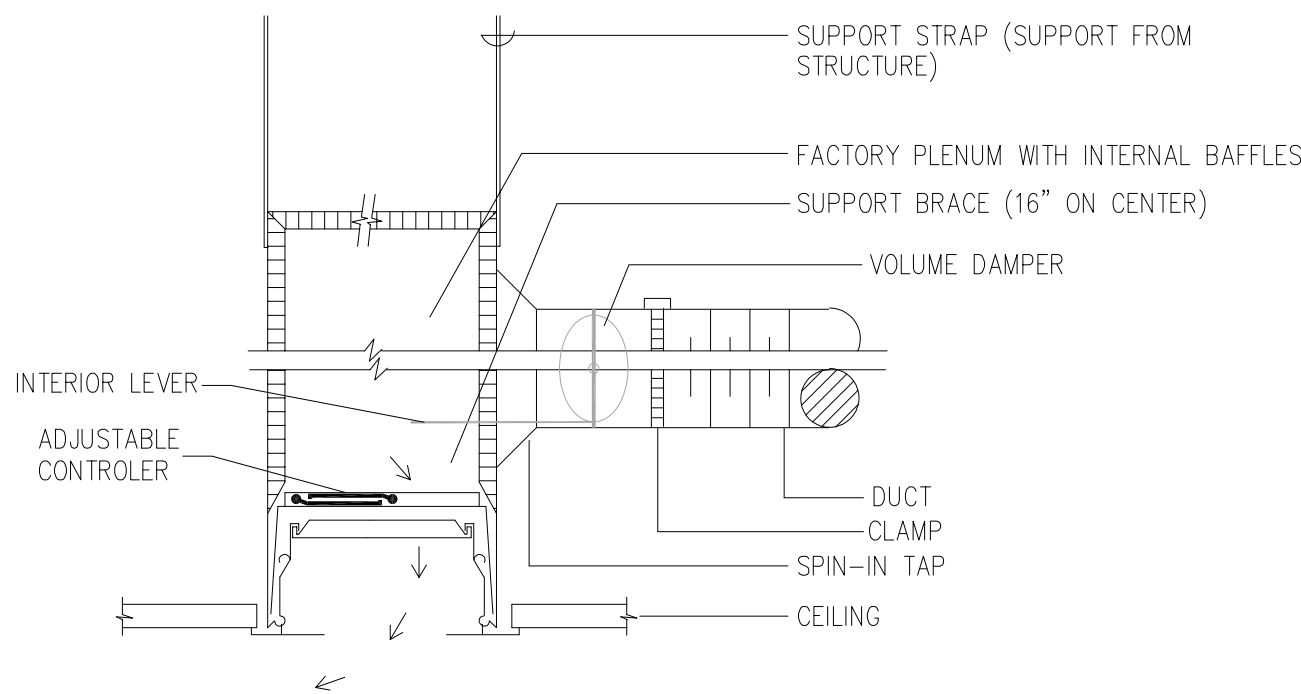
TYPICAL CONDENSATE DRAIN TRAP

N.T.S.



DRY WELL DETAIL

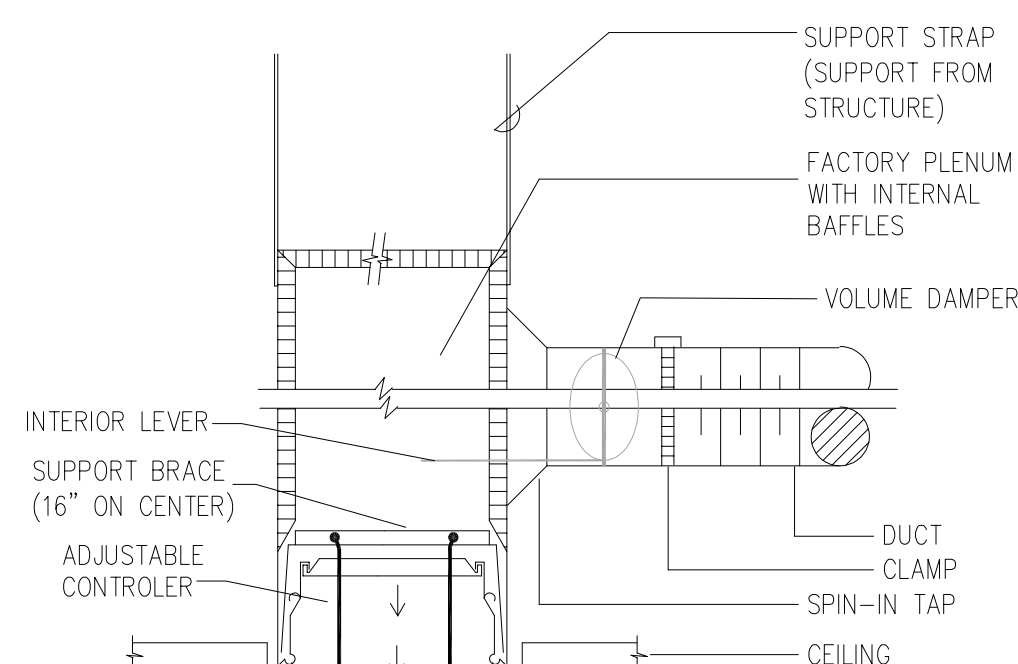
N.T.S.



- NOTES:
1. REFER TO ARCH. FOR FRAMING
 2. SIDE DISCHARGE LINEAR DIFFUSER MOUNTING PROCEDURE IS THE SAME BUT WITH AIR OUTLET FACING VERTICAL FACE OF SOFIT.

SECTION FLOWBAR DIFFUSER

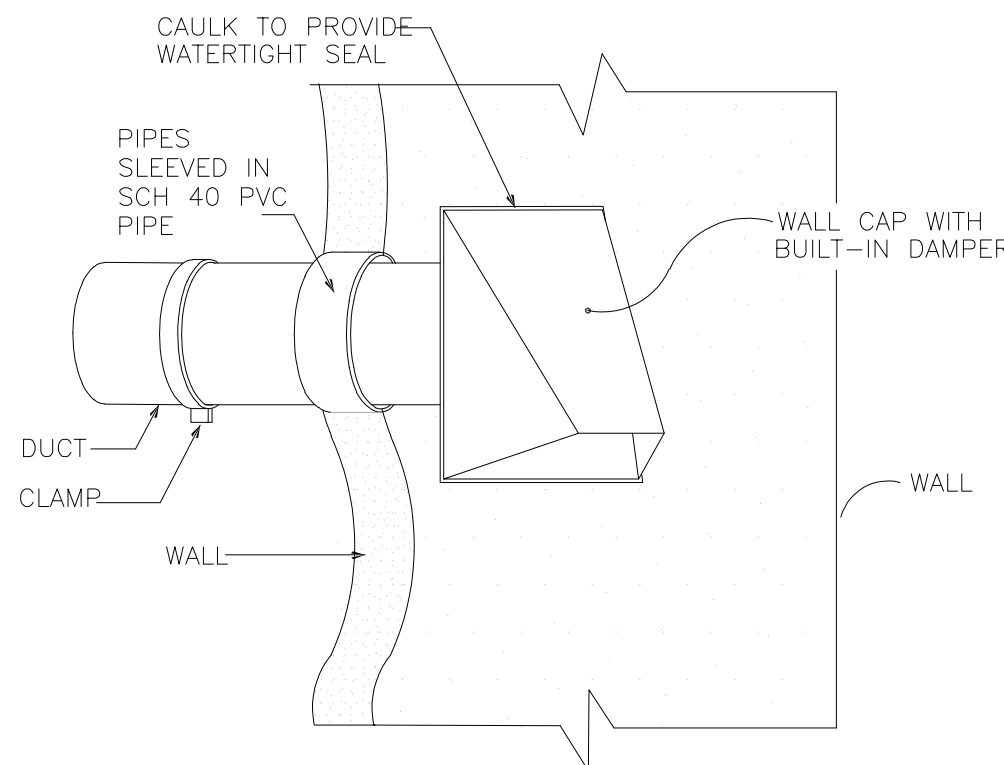
N.T.S.



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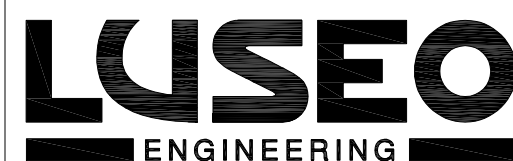
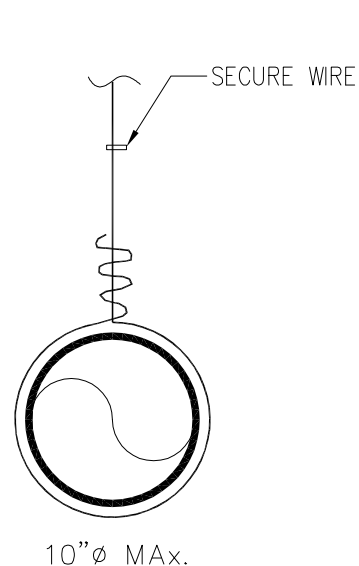
SECTION FLOWBAR DIFFUSER

N.T.S.



WALL CAP DETAIL

N.T.S.



NOT VALID UNLESS SIGNED & SEALED
"IN MY PROFESSIONAL JUDGEMENT AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE PLANS AND SPECIFICATIONS COMPLY WITH APPLICABLE BUILDING CODES."