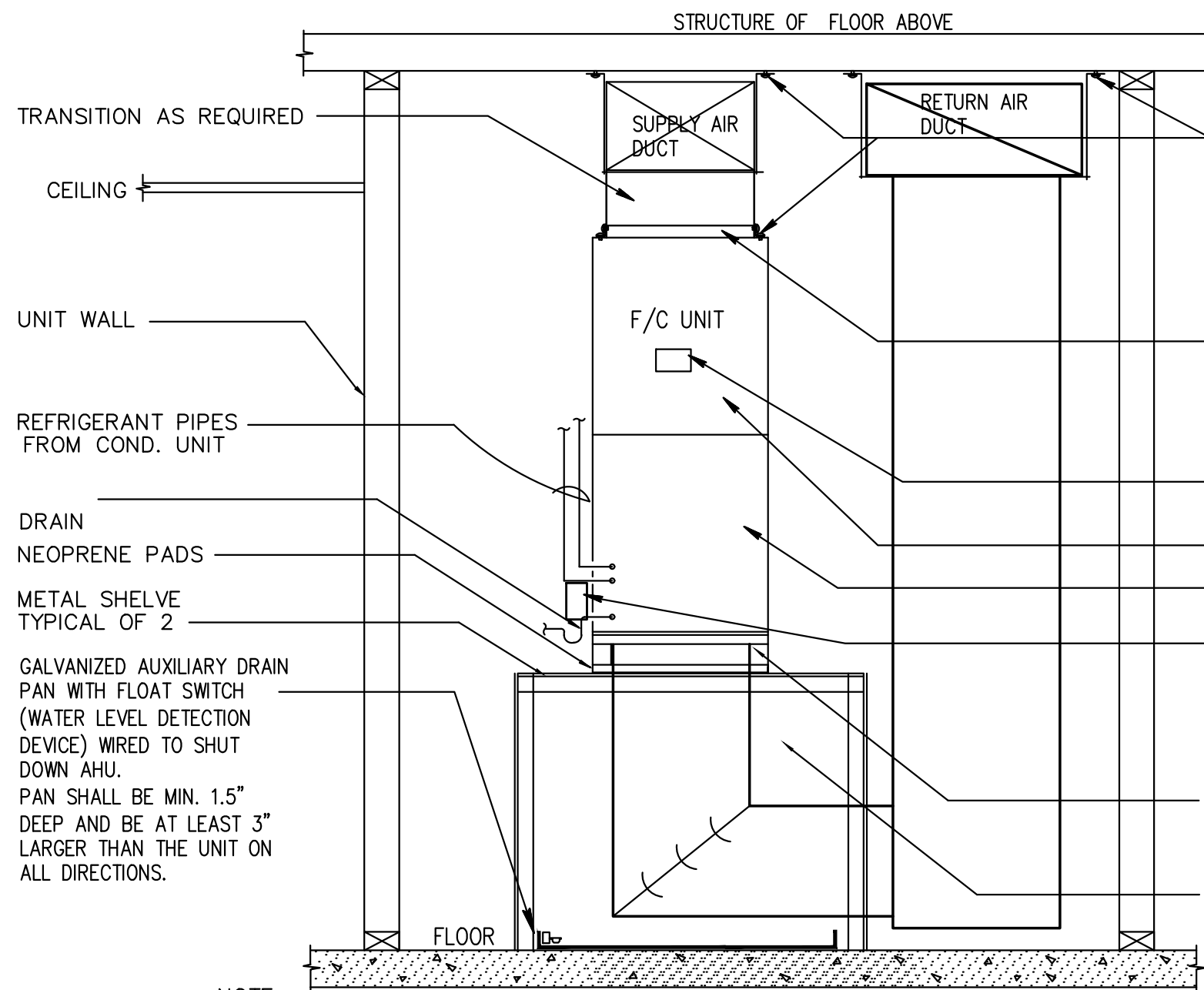
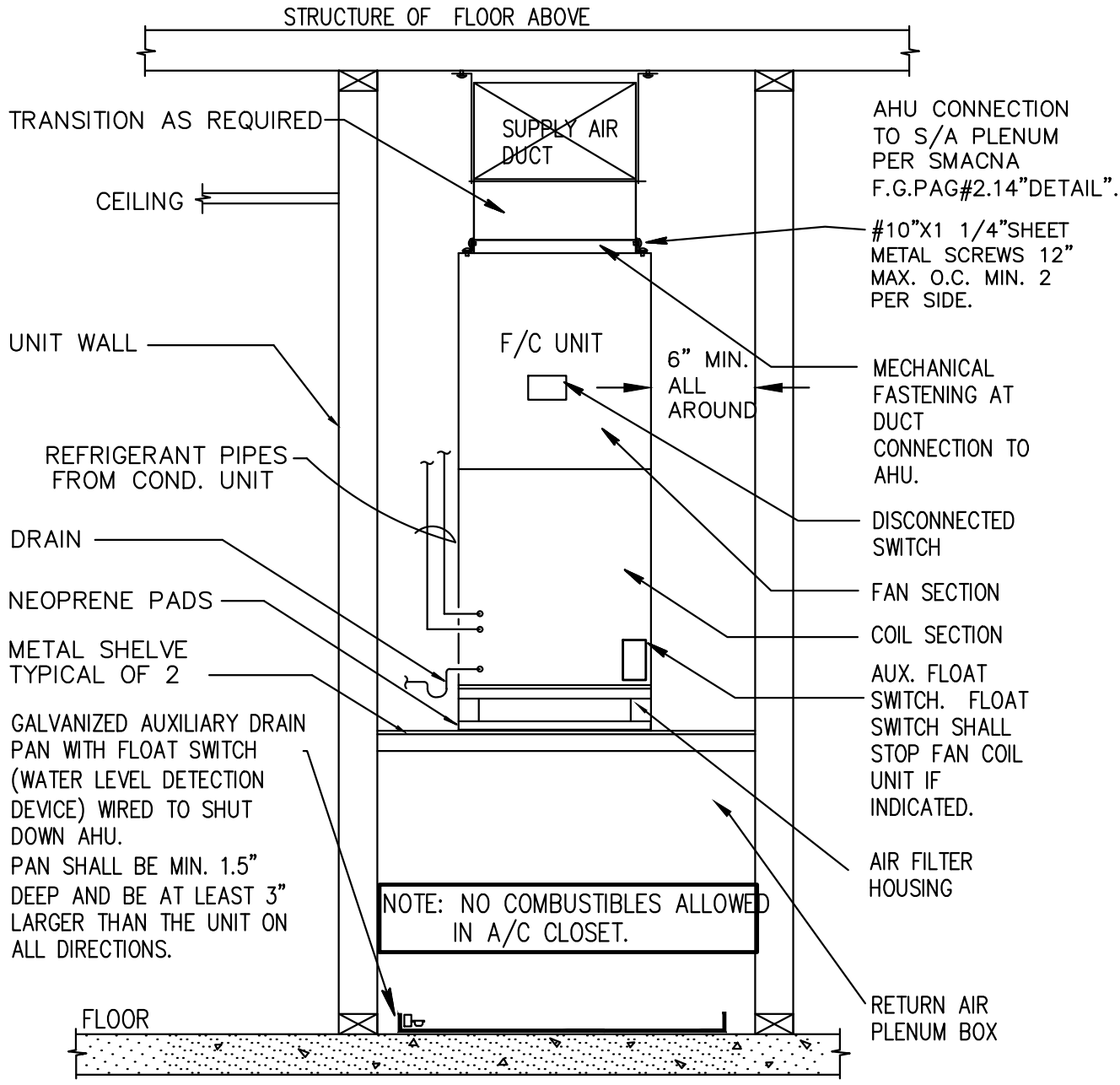
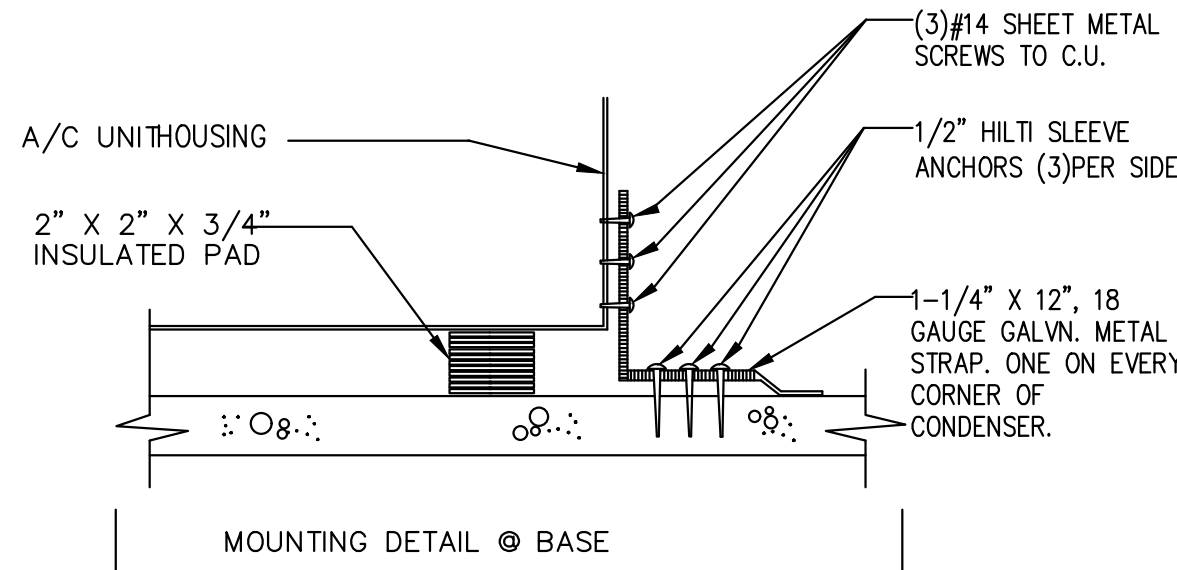




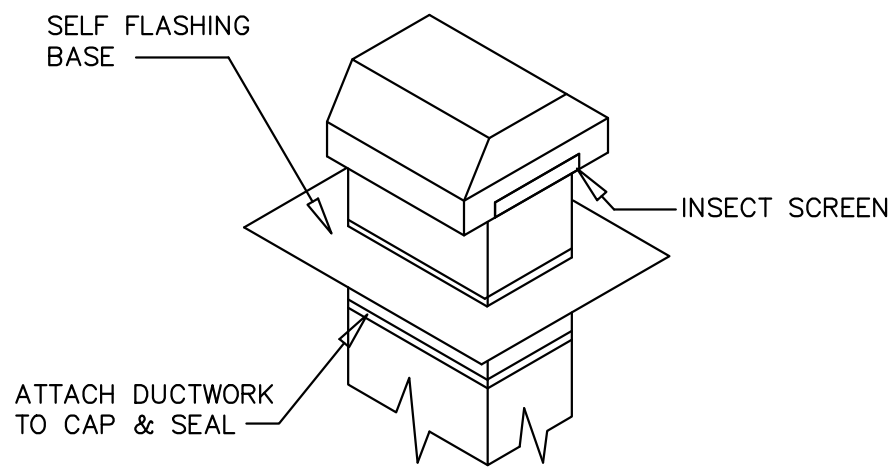
AIR HANDLER UNIT #1 MOUNTING DETAIL



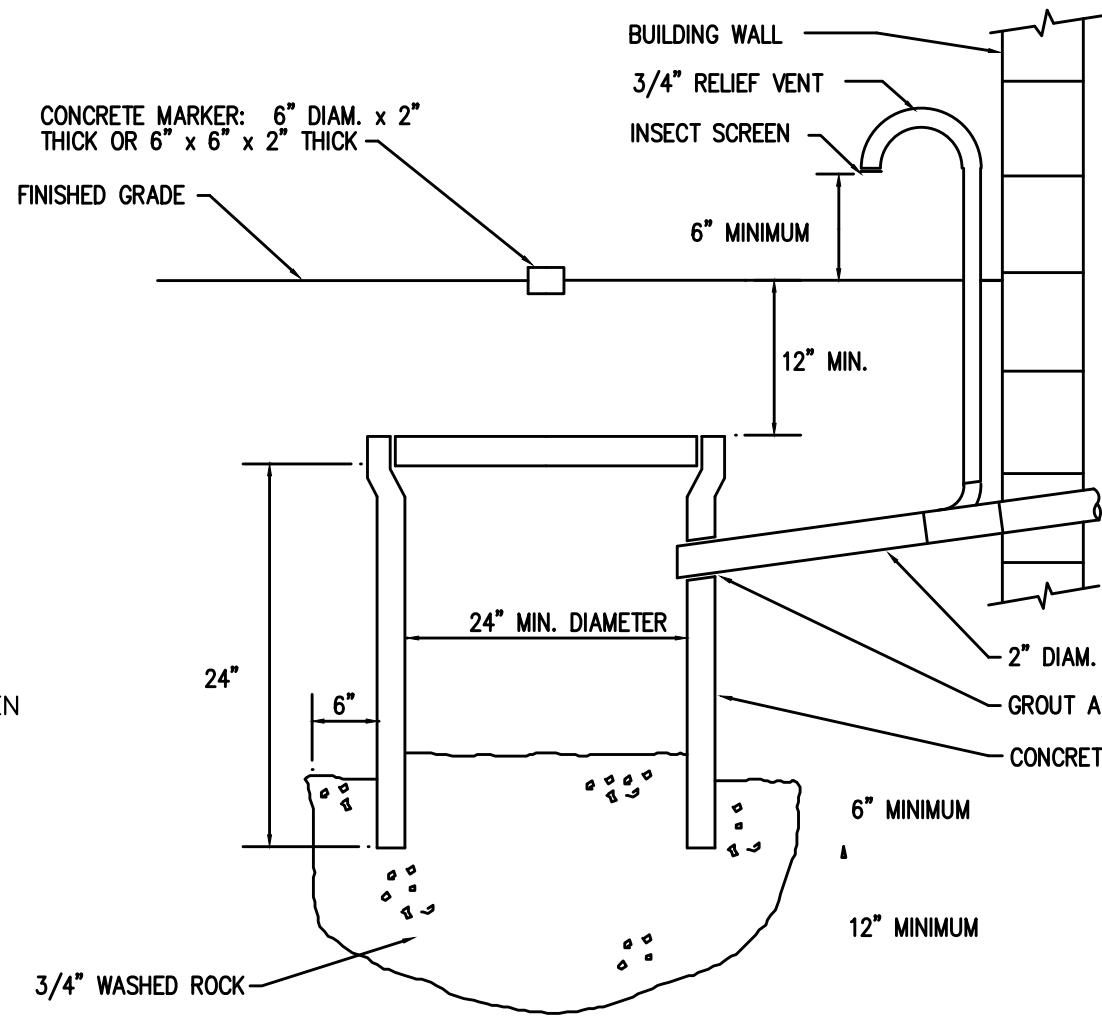
AIR HANDLER UNIT MOUNTING DETAIL



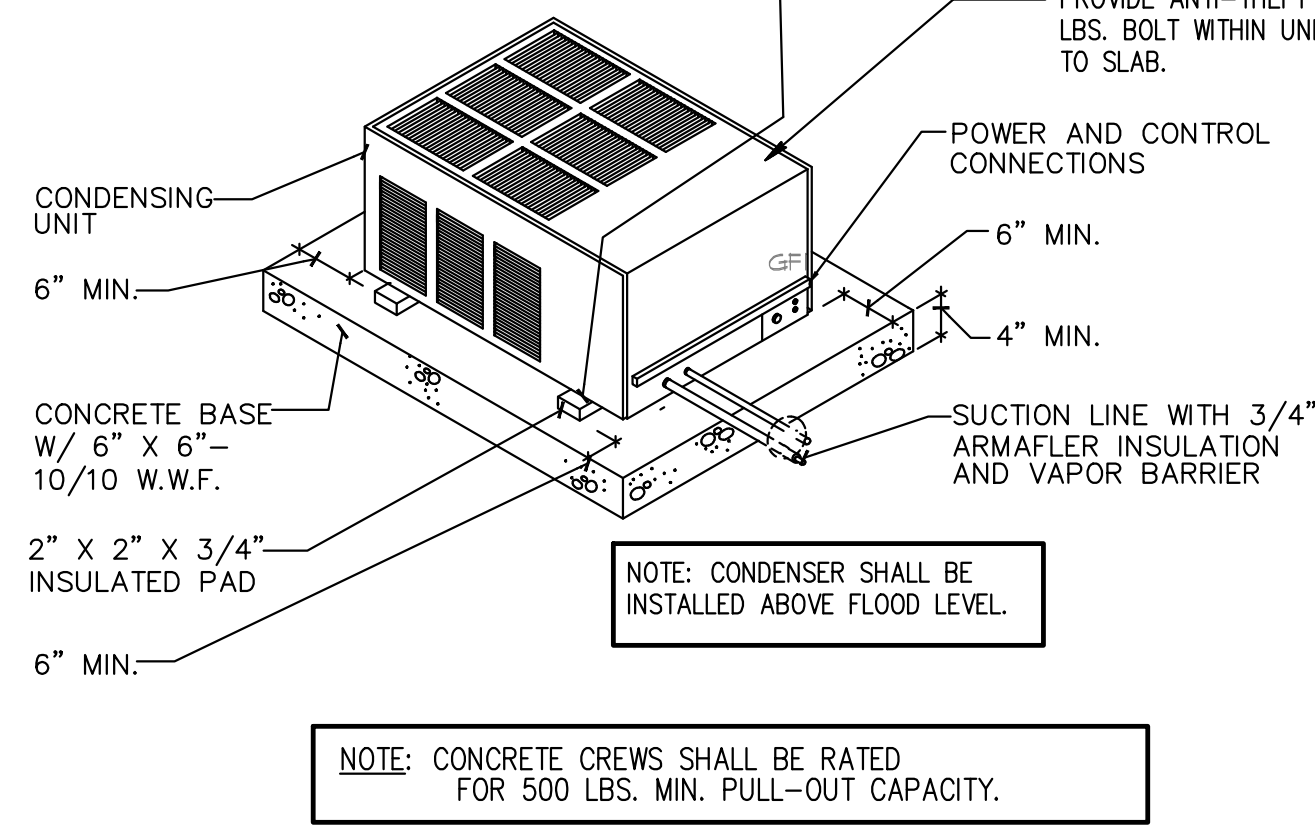
CONDENSATE HANGER DTL.



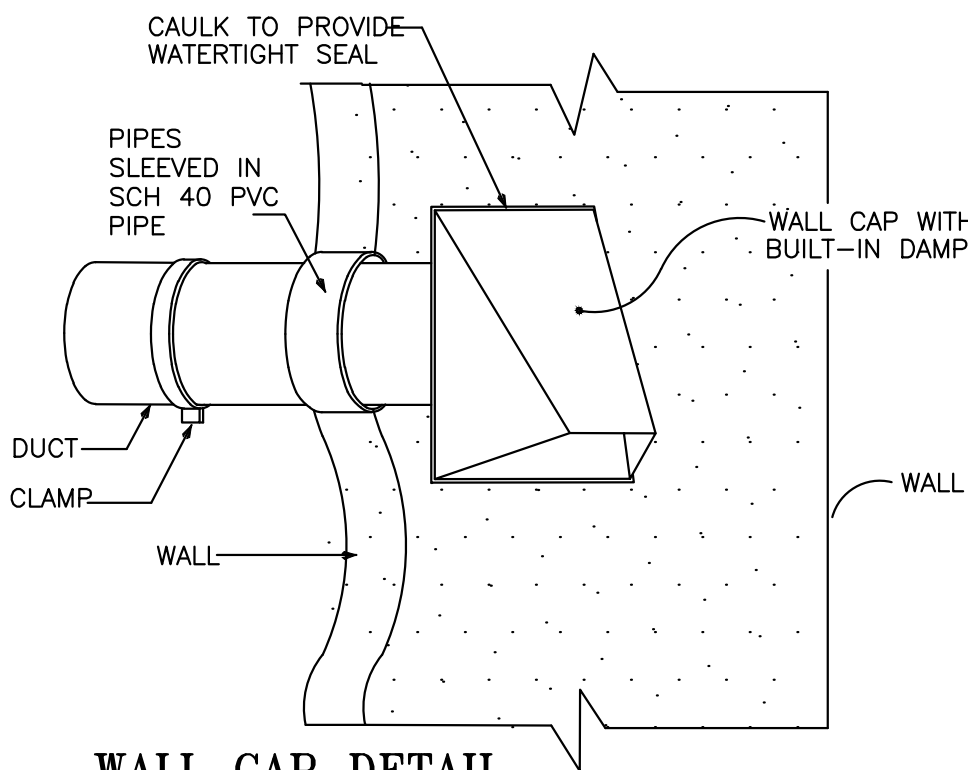
ROOF CAP TYPICAL DETAIL



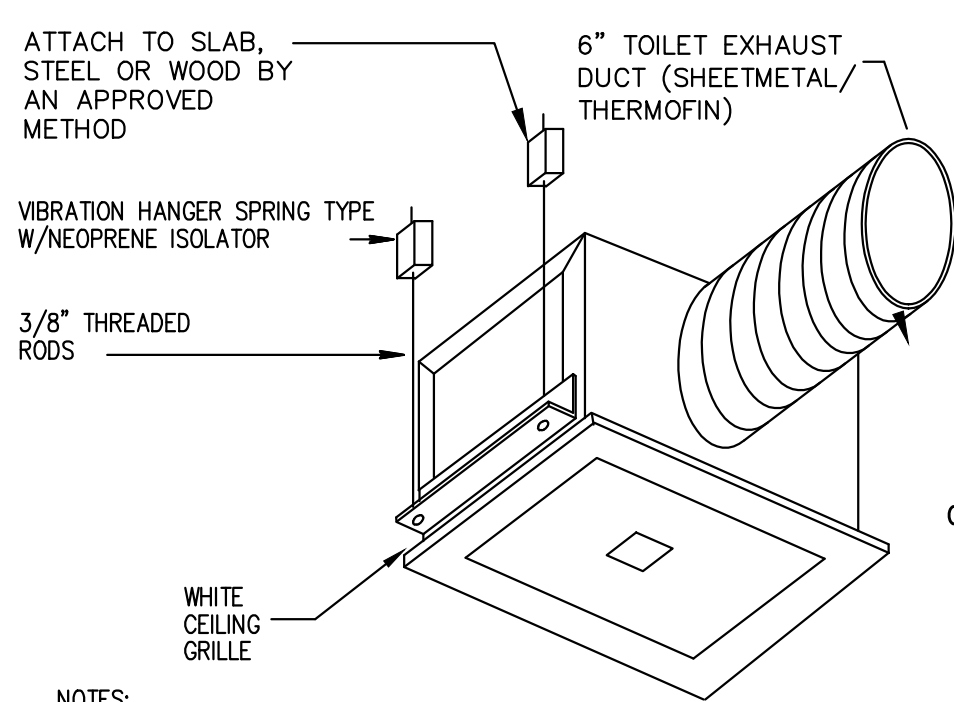
CONDENSATE DRYWELL DETAIL



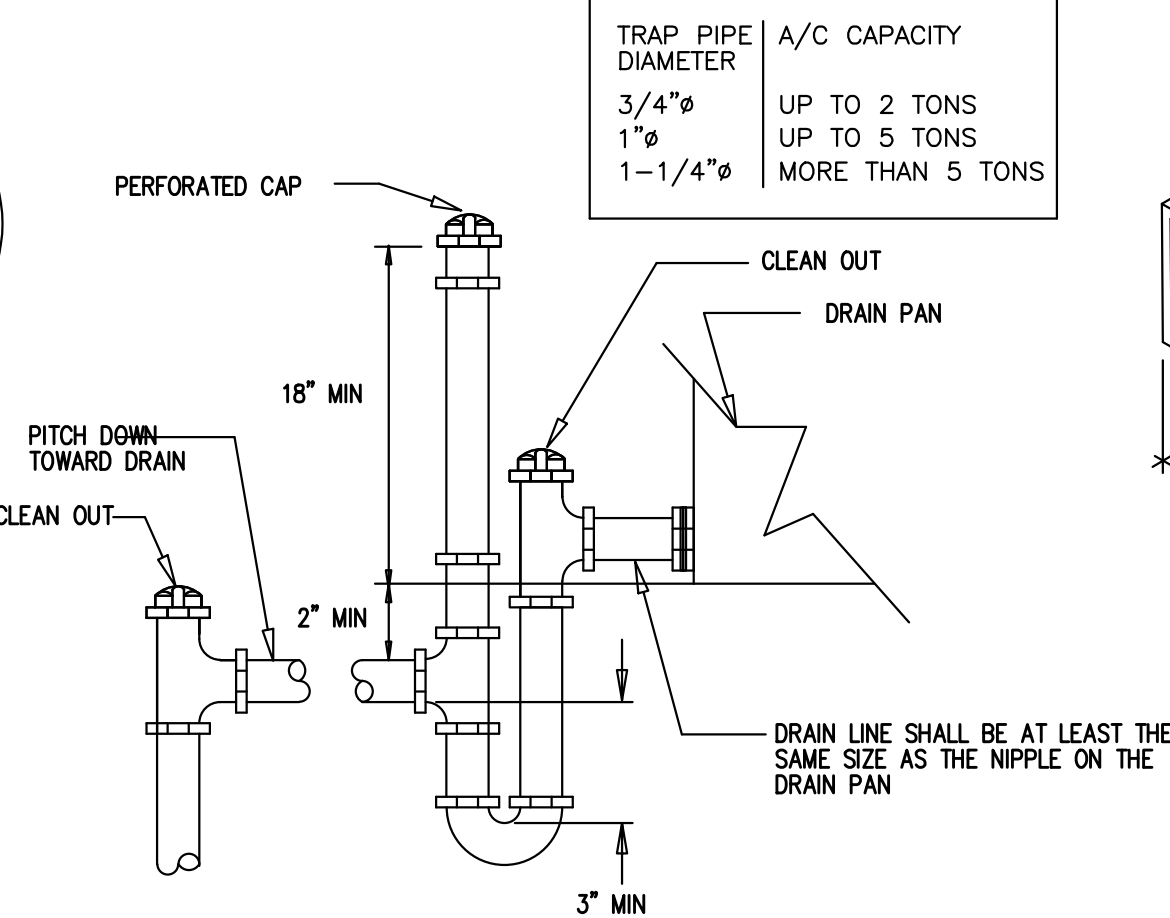
CONDENSING UNIT MOUNTING DETAIL



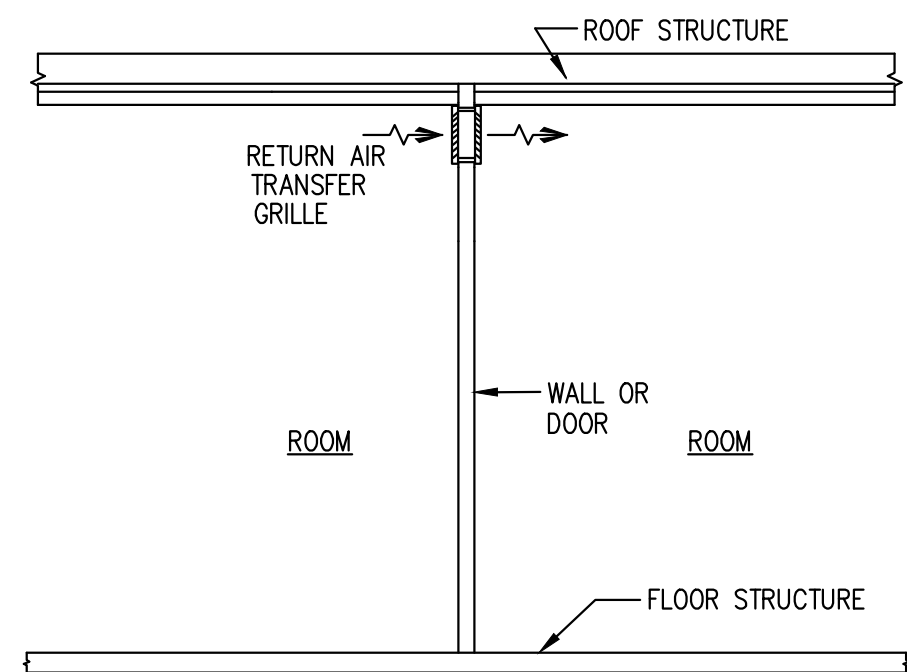
WALL CAP DETAIL



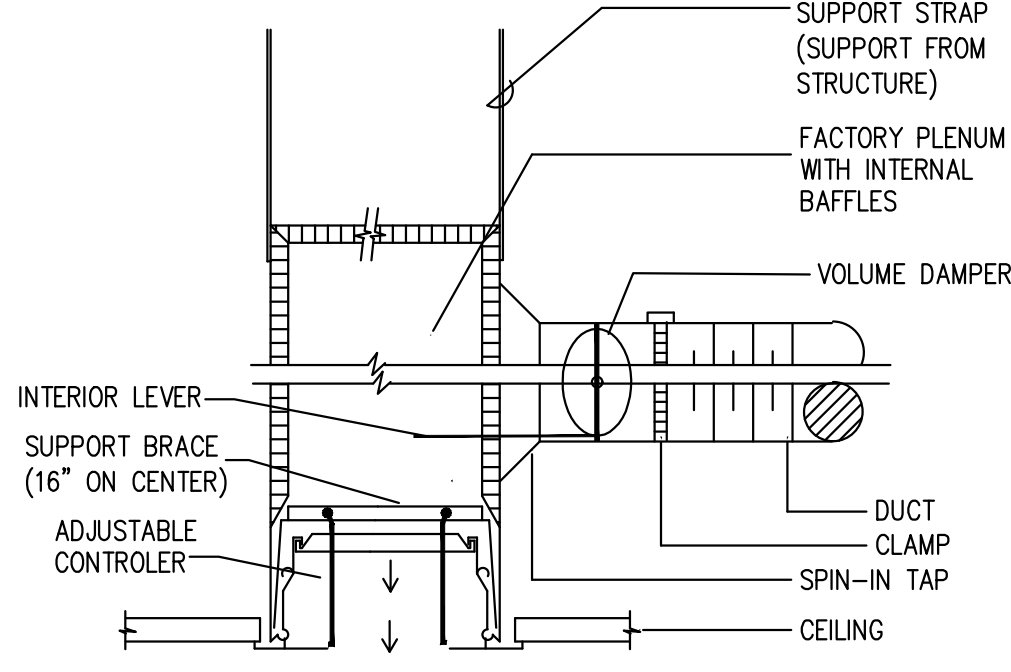
CABINET EXHAUST FAN DETAIL



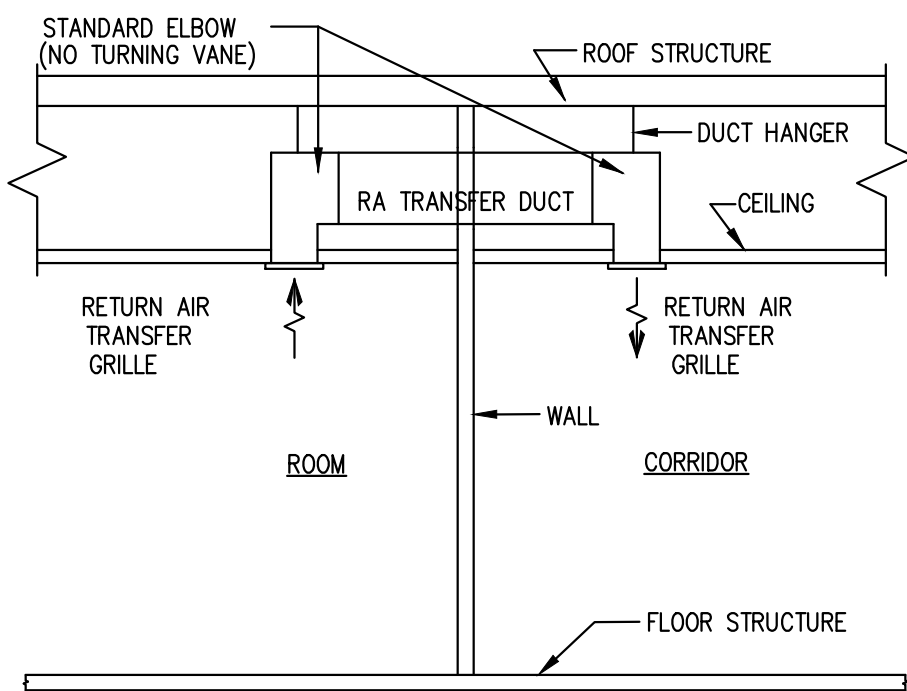
TYPICAL CONDENSATE DRAIN TRAP



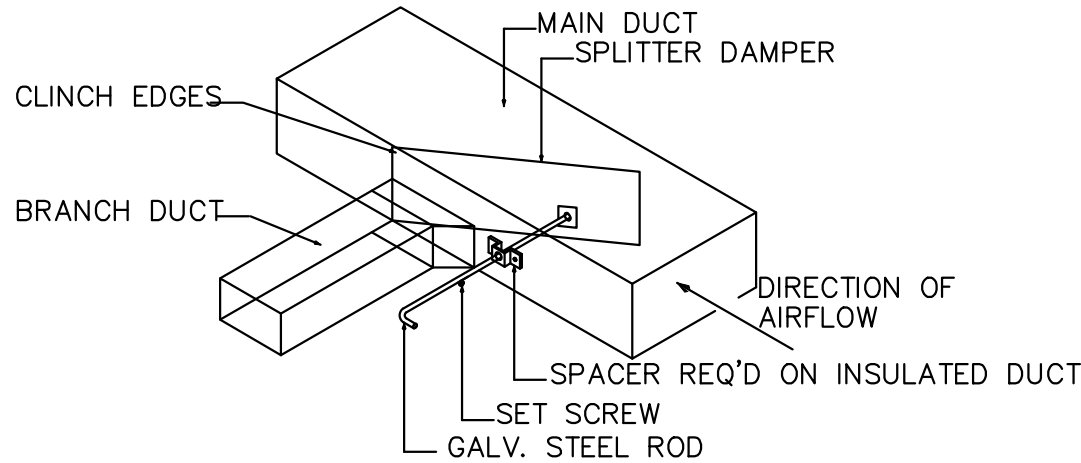
TRANSFER AIR DUCT DETAIL



SECTION FLOWBAR DIFFUSER

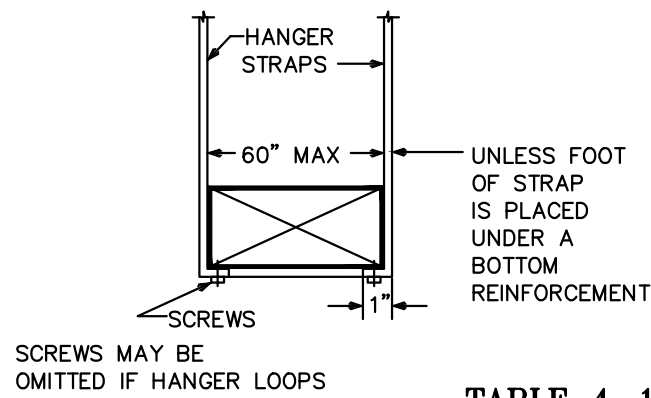


TRANSFER AIR DUCT DETAIL



TYPICAL DUCT TAP-OFF

STRAP HANGERS



TRAPEZE HANGERS

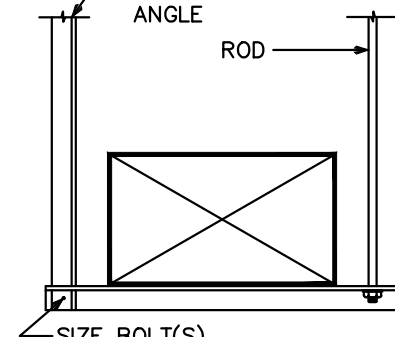
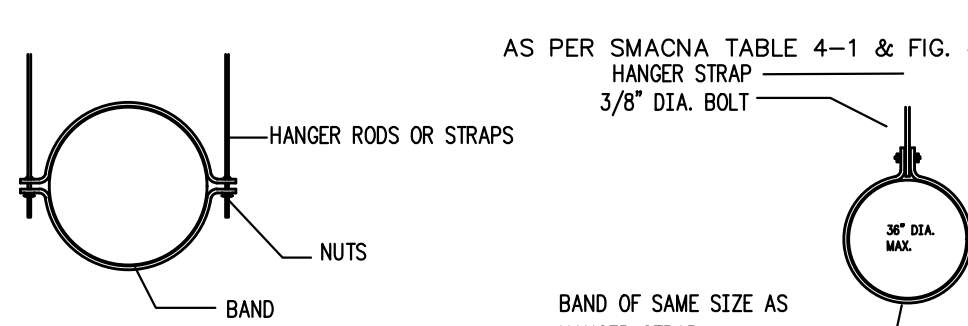


TABLE 4-1

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							

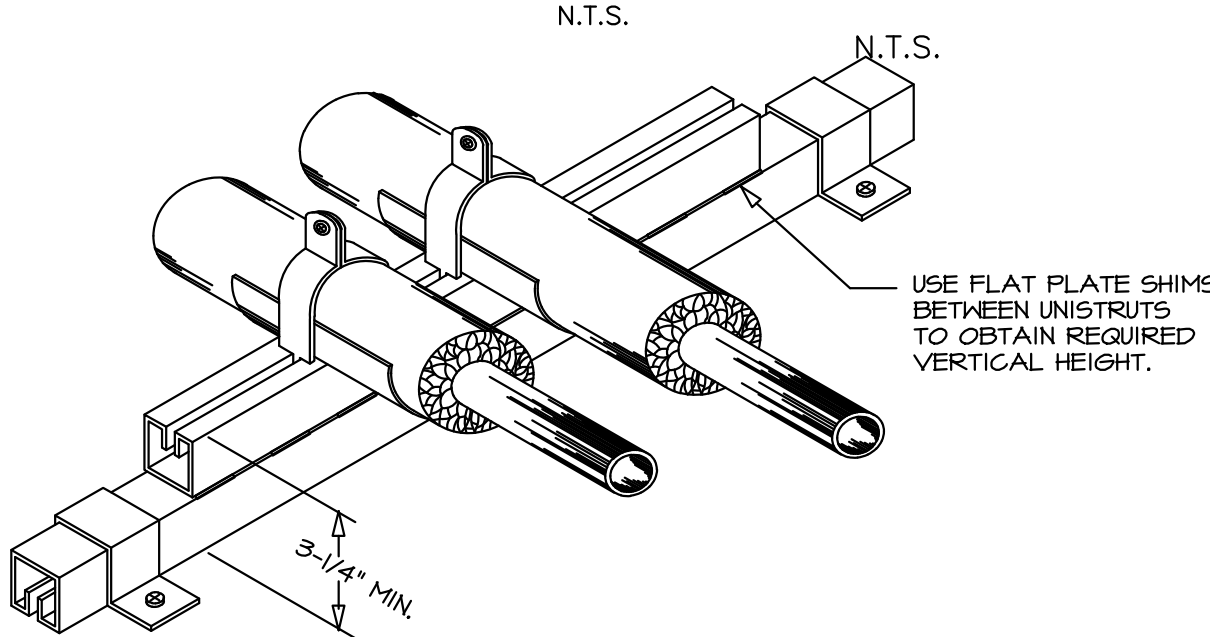


ROUND DUCT HANGERS

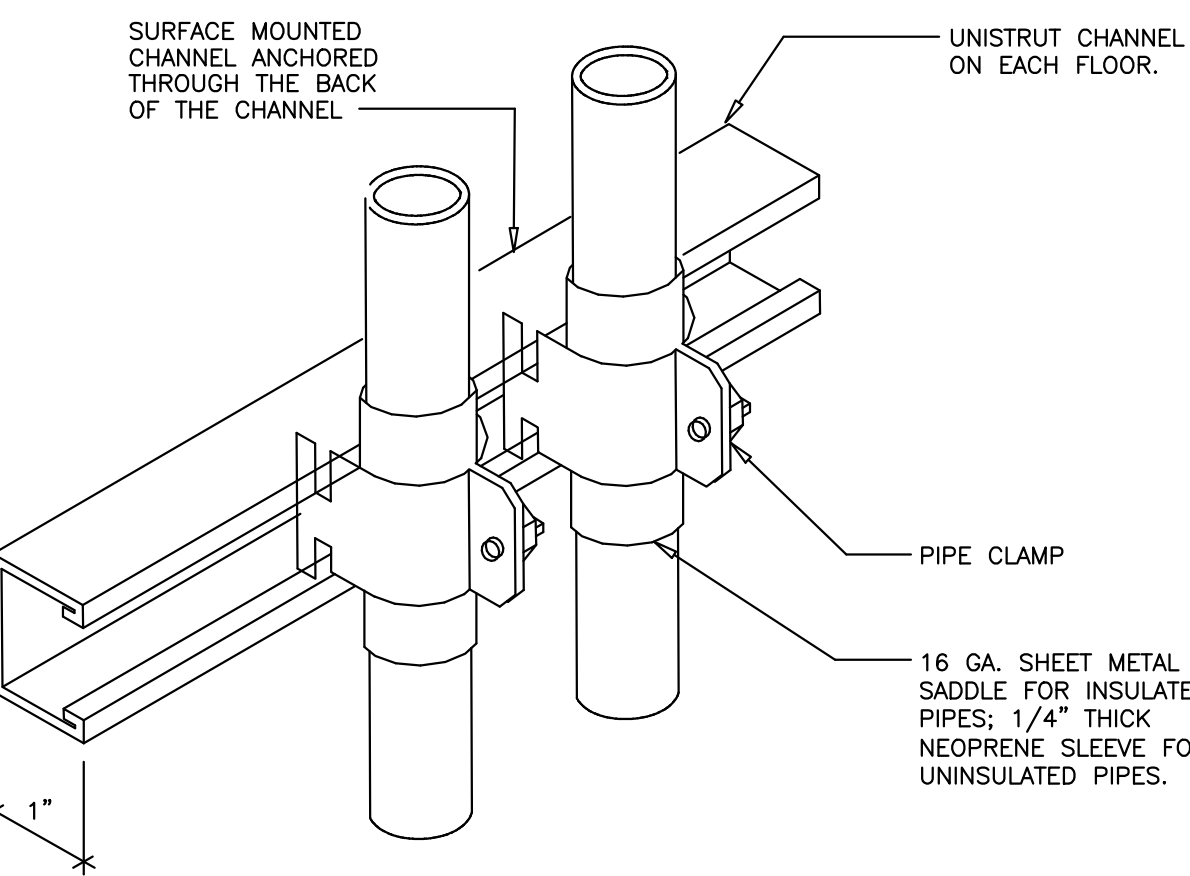
DUCT DIAMETER	MAXIMUM SPACING	MINIMUM HANGER SIZES FOR ROUND DUCT		WIRE		ROD		STRAP	
		QUAN	SIZE	QUAN	SIZE	QUAN	SIZE	QUAN	SIZE
10" OR LESS	12'-0"	1	12 GAUGE	1	1/4"	1	1"x22 GAUGE	1	1"x22 GAUGE
11"-18"	12'-0"	2	12 GAUGE	1	1/4"	1	1"x22 GAUGE	1	1"x22 GAUGE
19"-24"	12'-0"	2	10 GAUGE	1	1/4"	1	1"x22 GAUGE	1	1"x22 GAUGE
25"-36"	12'-0"	2	8 GAUGE	1	3/8"	1	1"x20 GAUGE	1	1"x20 GAUGE
37"-50"	12'-0"	---	---	2	3/8"	2	1"x20 GAUGE	2	1"x20 GAUGE
51"-60"	12'-0"	---	---	2	3/8"	2	1"x18 GAUGE	2	1"x18 GAUGE
61"-84"	12'-0"	---	---	2	3/8"	2	1"x18 GAUGE	2	1"x18 GAUGE

NOTES:
1. STRAPS ARE GALVANIZED STEEL; RODS ARE UNOATED OR GALVANIZED STEEL; WIRE IS BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED STEEL. ALL ARE ALTERNATIVES.
2. TABLE ALLOWS FOR CONVENTIONAL WALL THICKNESS, AND JOINTS SYSTEMS PLUS ONE LB/SF OF INSULATION WEIGHT. IF HEAVIER DUCTS ARE TO BE INSTALLED, ADJUST HANGER SIZES TO BE WITHIN THEIR LOAD LIMITS.

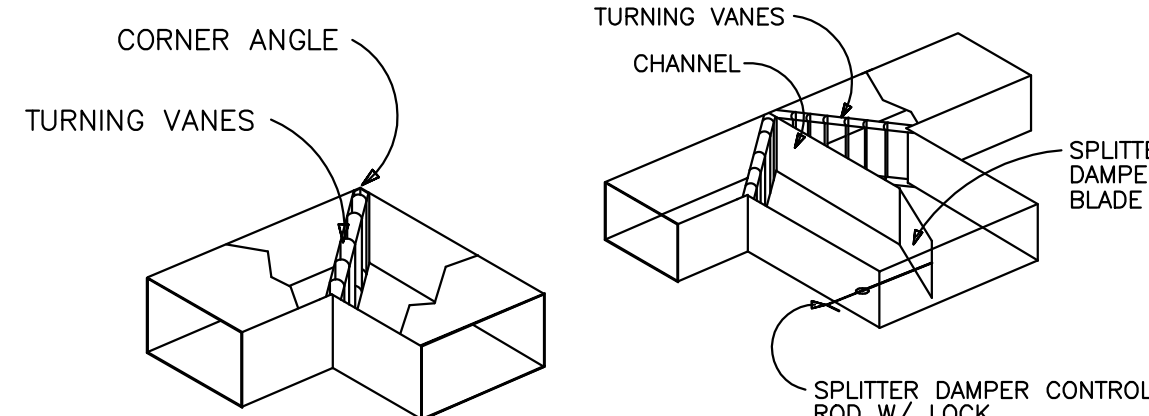
HVAC DUCTS HANGER SCHEDULE DETAILS



REFRIGERANT PIPE RISER SUPPORT DETAIL



REFRIGERANT PIPE RISER WALL SUPPORT DETAIL



HVAC DUCT CONNECTION DETAILS

This item has been digitally signed and sealed by Amarilis Rodriguez, PE, on 03/11/24. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

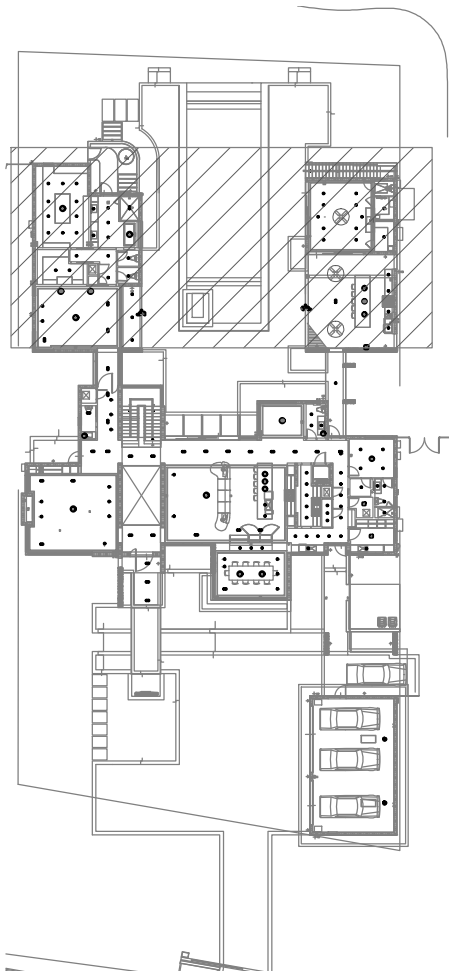
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Amarilis Rodriguez, P.E.
License Number 60236
C.A. 26359

Engineering Design:
> Mechanical > Electrical
> Plumbing > Fire Protection
www.arpe-eng.com

Signature _____
Date _____

NOTES



KEY PLAN
SCALE 1/4" = 1'-0"

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License AR 13937

CONSULTANT(S)

NO.	REVISION/SUBMISSION	DATE
1	OWNER REVIEW	03-11-24
2	PERMIT SUBMITTAL	06-07-24

PROJECT

New 2-Story Residence:
6100 W Suburban Dr. Pinecrest,
Fl 33156

DRAWING

Mechanical Details	SCALE As Shown
SEAL	DRAWN
	REVIEWED
Nelson de Leon AR 13937	PROJ. NO. 351

SHEET NO.

M-02.2