

EQUIPMENT SPECIFICATION:											
SYST.	TOTAL COOL	SENSIBLE	HEATING	SEER	HSPF	ESE	KW	CR1	VOLTAGE	LIQUID	SUCTION
1 - 4	58500 BTU	45100 BTU	417F DB = 58500 BTU 117F DB = 32000 BTU	13.50	8.00	3.0"	5.37 10.80	2000	240V - 1ø	3/8"	1 1/8"
2 - 5	47500 BTU	27800 BTU	417F DB = 49000 BTU 117F DB = 27000 BTU	14.00	8.00	3.0"	4.72 10.75	1600	240V - 1ø	3/8"	1 1/8"
3 - 6	35000 BTU	25000 BTU	417F DB = 35000 BTU 117F DB = 22000 BTU	14.00	8.00	3.0"	2.85 7.80	1200	240V - 1ø	3/8"	1 1/8"

EQUIPMENT BY LISTED MFG'S MEETING OR EXCEEDING THESE PERFORMANCE RATINGS ARE APPROVED, AS EQUAL

- A. RHEEM / RUID
- B. CARRIER
- C. TRANE
- D. YORK
- E. LENNOX
- F. BRYANT

H.V.A.C. Equipment SCHEDULE

SCALE: NONE

EQUIPMENT REQUIREMENTS

SYSTEM DISCRIPTION:

HVAC SYSTEM SHALL BE A SPLIT SYSTEM, WITH AN O/S CONDENSING UNIT AND 1/5 AIR HANDLERS. THE SYSTEM SHALL BE A HEAT PUMP CONFIGURATION.

NOTE: ELECTRICAL REQUIREMENTS WIRING, FUSES, STARTERS AND CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER FOR A COMPLETE & OPERATING SYSTEM. ACCESSORY ITEMS, IE: DRIERS, RECEIVERS, MOUNTING EQUIPMENT AND THE LIKE SHALL BE PART OF THE SYSTEM AS REQUIRED.

SUPPLY DIFFUSERS / RETURN GRILLES

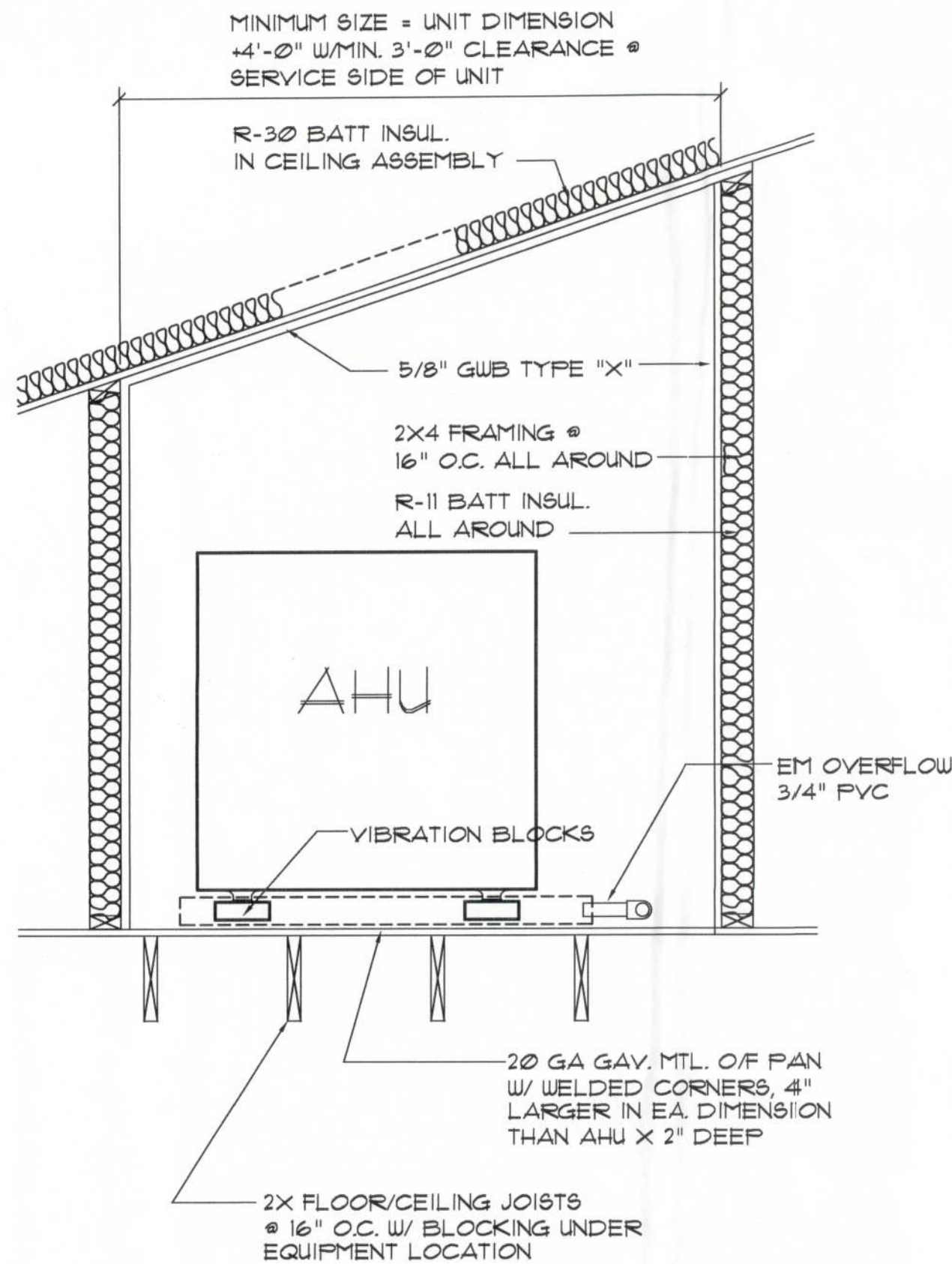
- AIR DEVICES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL AND CEILING LOCATIONS.
- DIFFUSERS SHALL HAVE OFFERABLE DAMPERS W/ CURVED BLADE ADJUSTABLE VANES IN ALL WALL & CEILING APPLICATIONS, AND OFFSEED BLADE DAMPERS IN FLOOR LOCATIONS.
- RETURN AIR GRILLES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL & CLG. LOCATIONS.
- RETURN AIR GRILLES SHALL HAVE AN OFFERABLE FACE W/ A FILTER HOLDER INCLUDED.

DUCTWORK

- DUCTWORK SHALL BE R42 FOIL FACED RIGID FIBERGLASS OR R60 FOIL FACED RIGID FIBERGLASS IN ATTIC AREAS, FOR ALL MAIN TRUNK LINES W/ FOIL FACED FLEX DUCT FOR ALL BRANCH DROPS.
- ALL TURNING VANES, EXTRACTORS AND DAMPERS SHALL BE INCLUDED AND SHALL BE FABRICATED FROM GALV. SHEET METAL.
- ALL JOINTS IN DUCTWORK SHALL BE LAP SPICED IN THE DIRECTION OF FLOW AND SEALED W/ FOIL FACED DUCT TAPE.

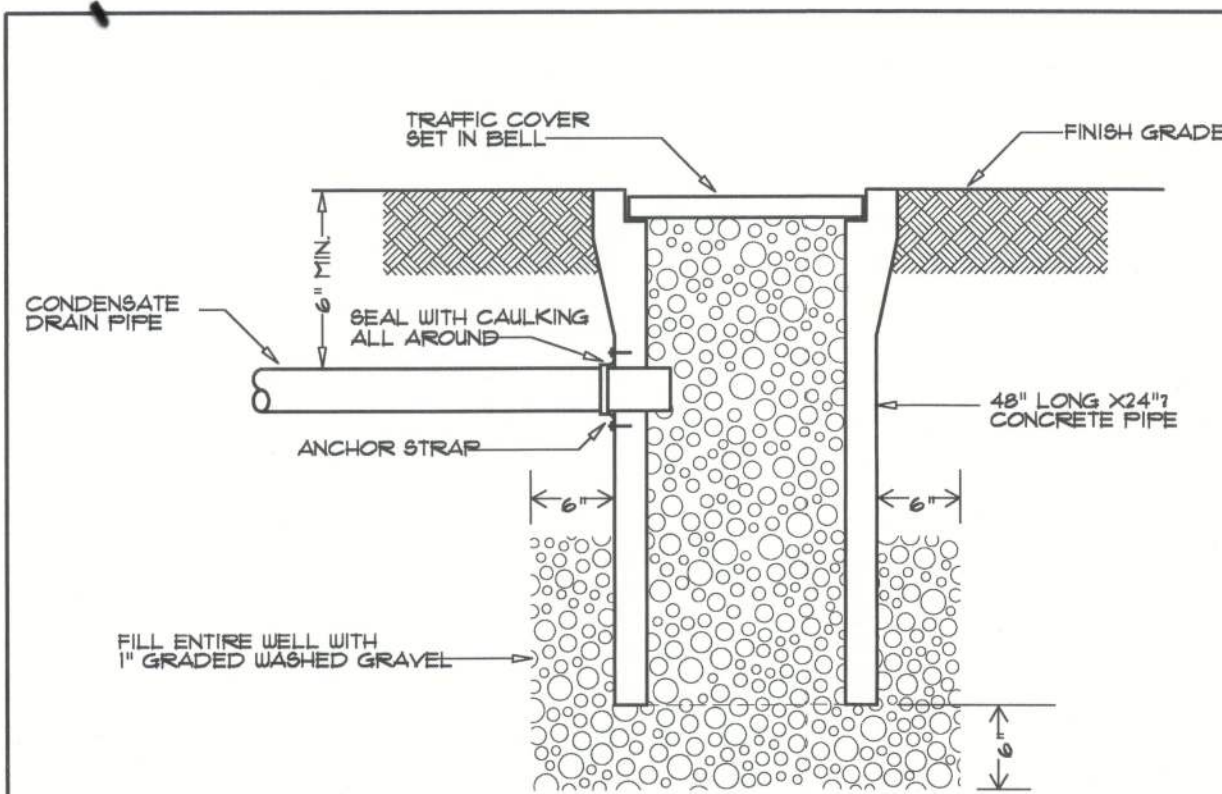
EXHAUST FAN SCHEDULE

MARK	HP/W	RPM	CFM	EXT. 9"	VOLT/Ø	COMMENTS
EF-1	1/5	1200	200	375	120/1	
EF-2	1/5	1200	200	375	120/1	



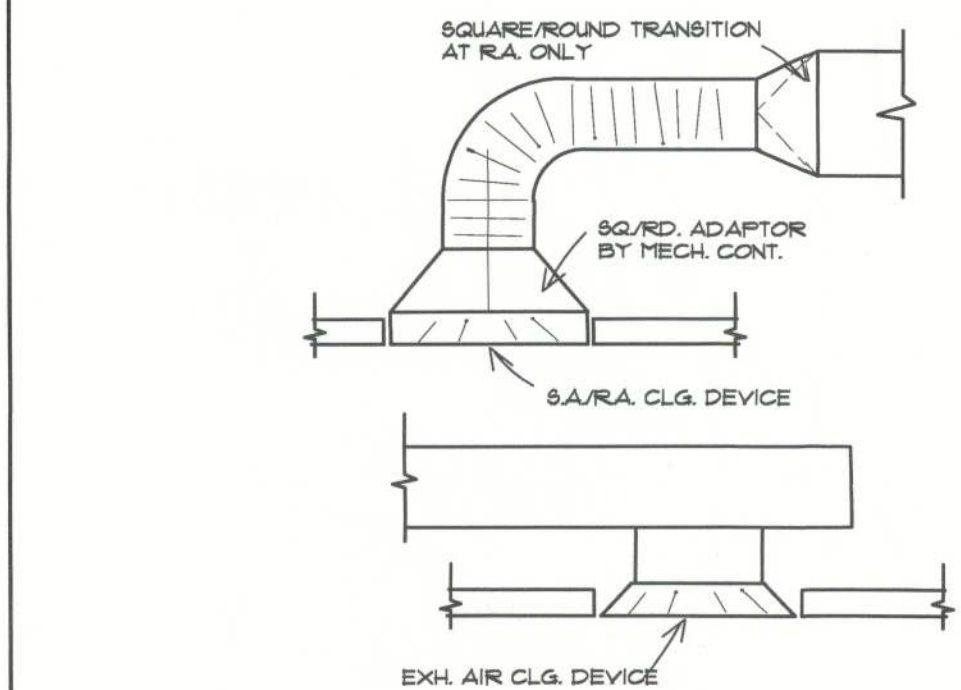
AHU Equip Mounting DET.

SCALE: 3/4" = 1'-0"



DRYWELL DETAIL (OPTIONAL)

DET #1
SHT M-4

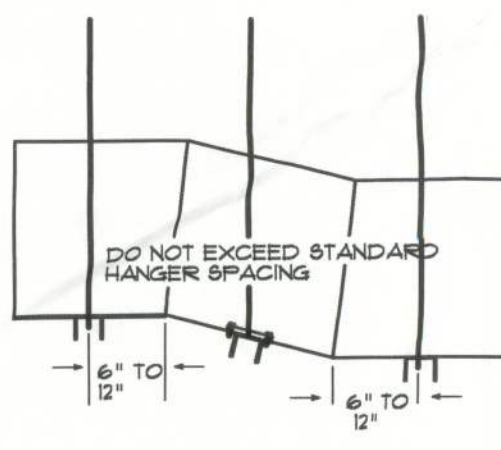


DIFFUSER CONNECTIONS

DET #4
NTS SHT M-4

SUPPORTING OFFSETS AND TRANTIONS WITH INCLINED BOTTOM

REQUIRED ONLY WHEN INCLINED PORTION OF DUCT IS GREATER THEN 48". HANGER IS ATTACHED TO DUCT PER DETAIL AS SHOWN BELOW. ADDITIONAL HANGERS MAY BE REQUIRED TO COMPLY WITH HANGER SPACING PER DETAIL 1.

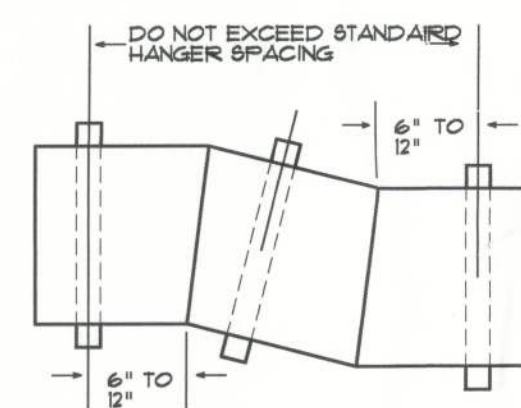


DUCTBOARD TRANSITIONS AND OFFSET SUPPORTS

DET #7
NTS SHT M-4

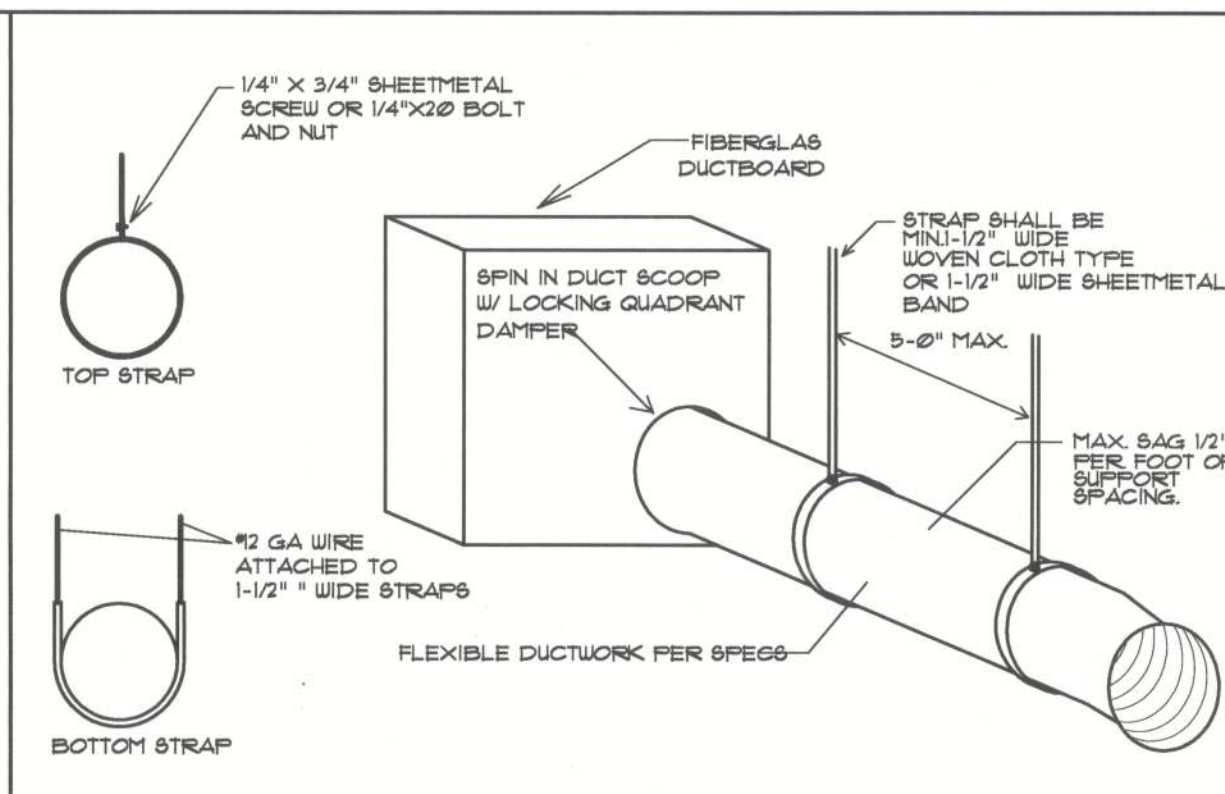
OFFSET SUPPORT (FLAT BOTTOM SUFACE)

REQUIRED ONLY WHEN ANGLED PORTION OF OFF SET IS GREATER THEN 48" LONG. ADDITIONAL HANGERS MAY BE REQUIRED TO COMPLY WITH SPACING.



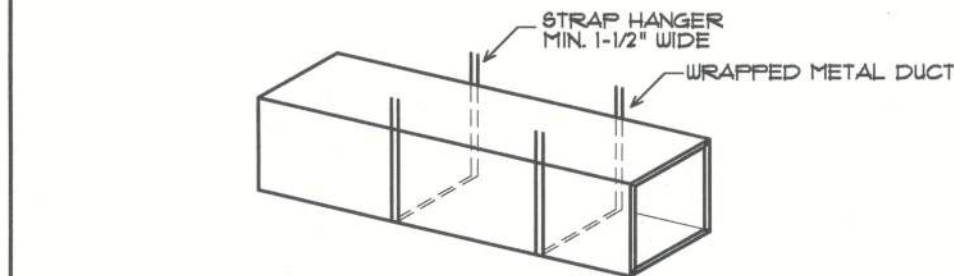
DUCTBOARD FLAT BOTTOM OFFSETS AND TEEs SUPPORTS

DET #8
SHT M-2



FLEXIBLE SUPPORTS DETAIL

NTS

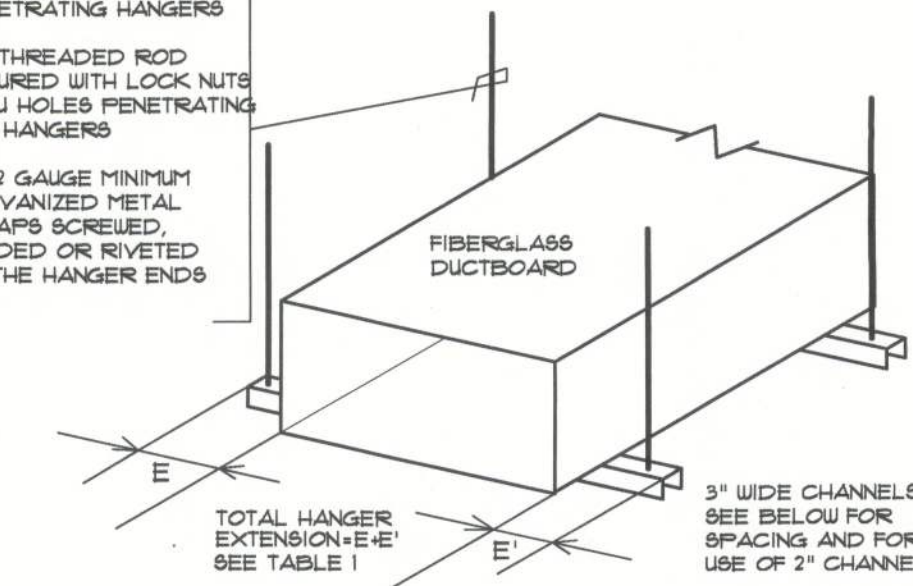


MAX. HALF OF DUCT PERIMETER	STRAP MATERIAL				
	10'-0" SPACING	8'-0" SPACING	5'-0" SPACING	4'-0" SPACING	
P/2 = 30"	15" X 22 GA	15" X 22 GA	15" X 22 GA	15" X 22 GA	
P/2 = 72"	15" X 18 GA	15" X 22 GA	15" X 22 GA	15" X 22 GA	
P/2 = 96"	15" X 16 GA	15" X 18 GA	15" X 20 GA	15" X 22 GA	
P/2 = 120"	15" X 16 GA	15" X 16 GA	15" X 18 GA	15" X 20 GA	
P/2 = 168"	15" X 16 GA	15" X 16 GA	15" X 16 GA	15" X 18 GA	

SHEETMETAL DUCT SUPPORT DETAIL

DET #5
SHT M-4

ATTACHMENT TO STRUCTURE BY ANY OF THE FOLLOWING:
#2 GA GALV STEEL WIRE SECURED THRU HOLES PENETRATING HANGERS
OR
1/4" THREADED ROD SECURED WITH LOCK NUTS THRU HOLES PENETRATING THE HANGERS
OR
1"x22 GAUGE MINIMUM GALVANIZED METAL STRAPS SCREWED, WELDED OR RIVETED TO THE HANGER ENDS OR



CHANNEL SELECTION

IF TOTAL EXTENSION NOT GREATER THAN	MINIMUM CHANNEL GAUGE	MINIMUM CHANNEL PROFILE
6"	24	3"x15"
18"	22	3"x2"
30"	18	3"x2"

MAXIMUM HANGER SPACING FOR 3" WIDE HANGERS

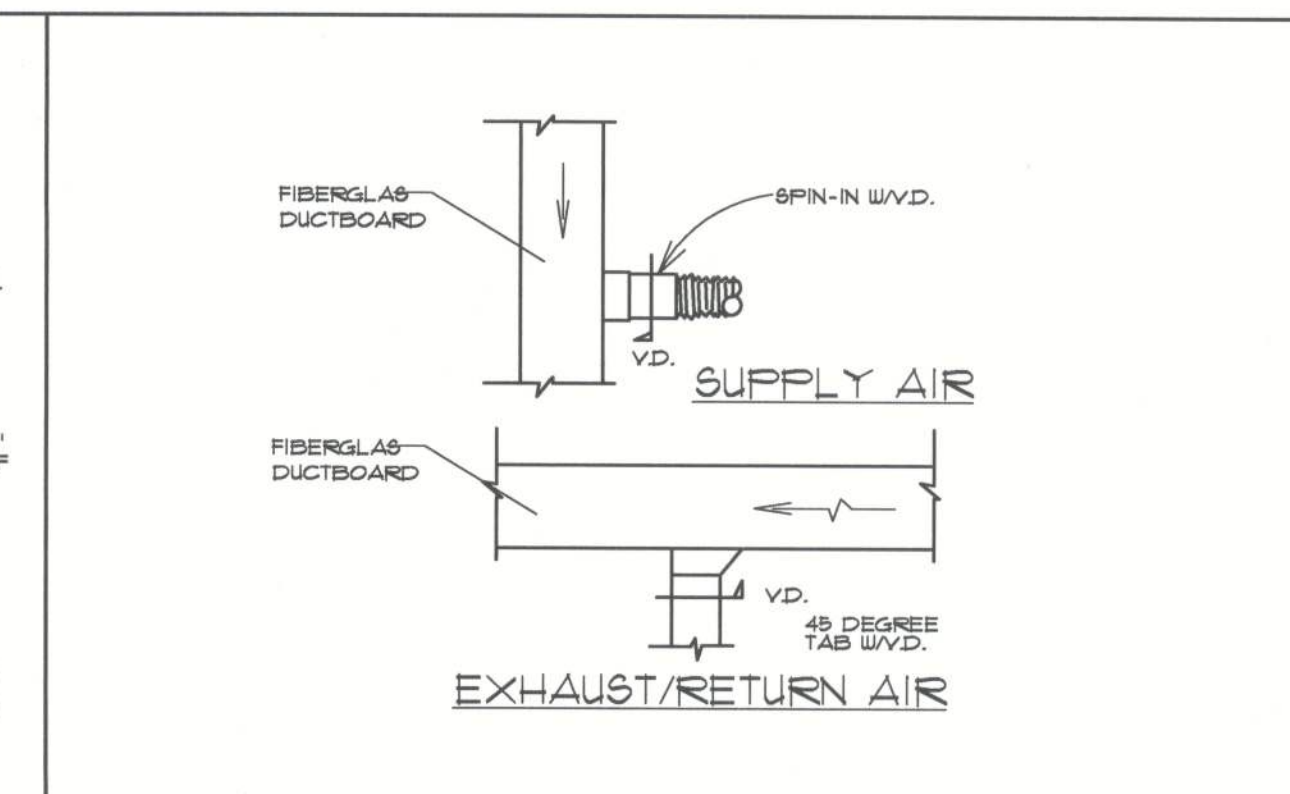
DUCT SIZE (INCHES)	MAXIMUM HANGER SPACING
48" WIDE OR MORE	4 FT
LESS THAN 48" WIDE AND GREATER THAN 24" DEEP	6 FT
WIDTH BETWEEN 24"x48" AND GREATER THAN 24" DEEP	6 FT
LESS THAN 48" WIDE AND DEPTH BETWEEN 12"x24"	8 FT
WIDTH 24" OR LESS AND DEPTH GREATER THAN 12"	8 FT
WIDE BOARD ANY WIDTH OR DEPTH	8 FT

MAXIMUM HANGER SPACING FOR 2" WIDE HANGERS

ANY DUCT LESS THAN 48" WIDE AND DEPTH NOT EXCEEDING 24" = 4'0" MAX SPACING

FIBERGLASS DUCT SUPPORT DETAIL

DET #9
SHT M-2

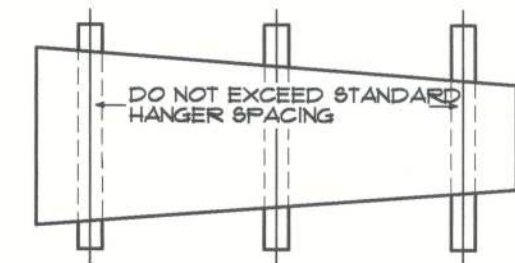


AIR DUCT DETAILS

DET #3
NTS SHT M-4

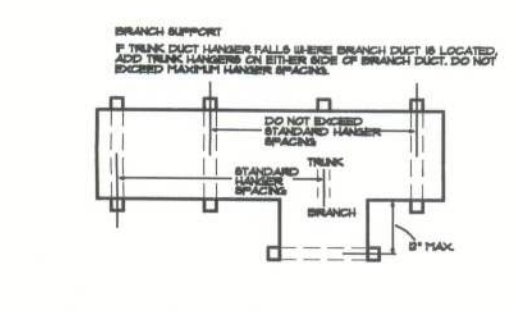
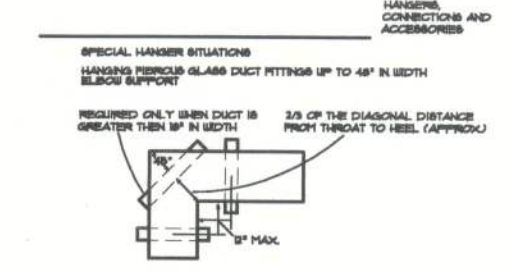
TRANSITION SUPPORT (FLAT BOTTOM SURFACE)

LOCATE HANGERS AS FOR STRAIGHT DUCT. NOTE: HANGER SPACING MAY CHANGE WHEN TRANSITION IS FROM ONE HANGER SIZE TO ANOTHER. USE CLOSEST SPACING DESCRIBED BY DETAIL 1.



DUCTBOARD TRANSITIONS AND OFFSET SUPPORTS

DET #6
NTS SHT M-4

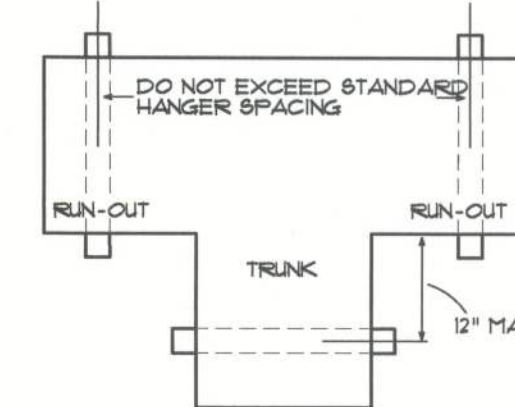


DUCTBOARD 90° ELBOW AND BRANCH LINE SUPPORTS

DET #10
NTS SHT M-2

TEE SUPPORT

IF A TEE RUN-OUT FALLS WHERE TRUNK DUCT IS LOCATED, ADD RUN-OUT HANGERS ON EITHER SIDE OF TRUNK. DO NOT EXCEED MAXIMUM HANGER SPACING.



DUCTBOARD FLAT BOTTOM OFFSETS AND TEEs SUPPORTS

DET #11
NTS SHT M-2

REVISION:

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N.P. Geisler, Architect

DRAWN

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WORSHIP CENTER for:
CROSS POINT COMMUNITY CHURCH
COLUMBIA COUNTY, FLORIDA
HVAC NOTES

Calculating
40
1972-2012
N.P. Geisler, Architect
AR0007005

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DATE:

30 JUL 2012

COMB:

2K1239

SHEET:

M.2

2 OF 2

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