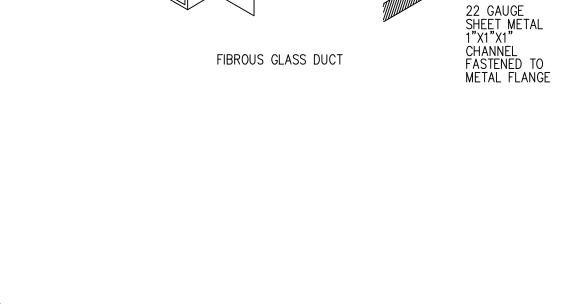
Date: 2.6.15 Job No. 1420



TRAPEZE HANGER

MINIMUM RECTANGULAR DUCT HANGER SIZES

134 10'-0" --- 1/2" 1-1/2"x16 GAUGE

154 8'-0" --- 1/2" 1-1/2"x16 GAUGE

NOTES:

1. STRAPS ARE GALVANIZED STEEL; RODS ARE UNDATED OR GALVANIZED STEEL; WIRE IS BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED STEEL. ALL ARE ALTERNATIVES.

RETANGULAR DUCT HANGERS

AHU ENCLOSURE

SEE EXPLODED VIEW FOR MORE DETAIL

2. TABLE ALLOWS FOR CONVENTIONAL WALL THICKNESS, AND JOINT SYSTEMS PLUS ONE LB/SF OF INSULATION WEIGHT. IF HEAVIER DUCTS ARE TO BE INSTALLED, ADJUST HANGER SIZES TO BE WITHIN THIER LOAD LIMITS.

3/8" 1"x18 GAUGE

3/8" 1"x16 GAUGE

1/2" 1-1/2"x16 GAUGE

ANGLES -

STRAP HANGER

3 SHEETMETAL SCREWS—

PER DUCT HANGER (MIN.)
SCREWS MAY BE ELIMINATED
IF HANGER LOOPS.

MAXIMUM MAXIMUM WIRE DUCT WIDTH SPACING SIZE

77 10'-0" ---

96 10'-0" ---

155 --- ---

3. WHEN STRAP HANGERS ARE LAP JOINED USE THES MINIMUM FASTENERS:

1"x 18, 20, 2GUAGE

1"x 16 GUAGE

2-#10 OR OR 1-1/4" BOLT

1"x 16 GUAGE

2-1/4" BOLTS

1"x 14 GUAGE

2-3/8" BOLTS

4. REFER TO SMACNA HVAC CONSTRUCTION STANDARDS FOR ADDITIONAL INFORMATION.

58 10'-0"

- 25/50 RATED INSUJLATION

20 GAUGE SHEET-METAL (SIZE AS REQ'D) ——

FLASHING AS RECOM. BY MANUF.

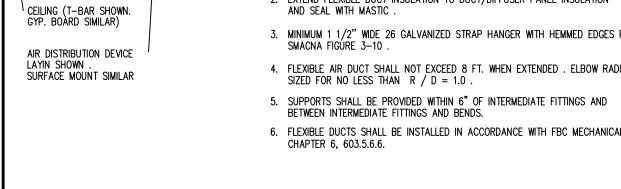
REFRIGERANT PIPE RAIN COVER DETAIL

MULTI-DUCT HANGER

1x1x1/8

2.5x2.5x1/8

GFM CLOSURE (OVER POCKET LOCK AND DUCT BOARD)



<u>NOTES</u>

LINEAR SLOT MUD-IN DIFFUSER DETAIL

MAX. SAG 1/2" PER FOOT BETWEEN SUPPORT POINTS

MAX. 5'-0" LEGNTH BETWEEN HANGERS

ADJUSTABLE CLAMP

SEE NOTE 3 —ADJUSTABLE CLAMP

— DUCT SEALER

—INSULATE TOP PANEL OF LAYIN DIFFUSER

45° TAKEOFF OR ROUND BELLMOUTH COLLAR MOUNT IN SIDE OF DUCT ——

1. FLEXIBLE DUCTS SHALL BE ONE PIECE AND SHALL NOT BE SPLICED TOGETHER . 2. EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL WITH MASTIC .

3. MINIMUM 1 1/2" WIDE 26 GALVANIZED STRAP HANGER WITH HEMMED EDGES PER SMACNA FIGURE 3-10 .

PRICE AS 210 SERIES
1 SLOT, 1" LINEAR SLOT,
TYPE 22C MOUNTING
INSTALL AS REQUIRED BY
MANUFACTURER

NOT TO SCALE

NOT TO SCALE

DUCT SEALER AT 45<sup>^</sup> TAKEOFF OR ROUND BELLMOUTH COLLAR CONNECTION TO MAIN

4" MIN CLEARANCE AROUND AHU

WALL STRUCTURE —

THERMOSTAT

PROVIDE AUX. DRAIN W/

DN THE AHU IN CASE OF CONDENSATE OVERFLOW. LITTLE GIANT ACS-2

4" MIN CLEARANCE AROUND AHU-

SUPPLY AIR DUCT-

WALL OF AHU CLOSET — +

AIR HANDLING UNIT-

GALVANIZED SHEET METAL STORM COLLAR-

GALVAZINED STEEL TAPCON ANCHORS SECURED TO ROOF STRUCTURE

PREFABRICATED

PITCHED ROOF CURB ~

FLOAT SWITCH TO SHUT

PROVIDE 2 SCREWS 1/4" WITH A SHEETMETAL STRAP TO ATTACH S/A PLENUM TO UNIT

\_\_ RETURN AIR DUCT

IN AHU CLOSET

NOT TO SCALE

AIR HANDLING UNIT

REFRIGERANT LINES

CONDENSATE DRAIN WITH TRAP (3" SEAL)

— AIR HANDLING UNIT SUPPORT ( 1"x1"x1/4" STEEL ANGLE FRAME)

14 GAUGE GALVANIZED STEEL SHEET METAL DUCT TO BELOW ROOF.

\_\_GALVANIZED STEEL SHEET METAL SCREWS AROUND PERIMETER. TYPICAL.

-SEE PLAN FOR

ROOF EXHAUST GOOSENECK DETAIL

SIZE REQUIRED

NOTE: ALL ROOF MOUNTED EQUIPMENT MUST ADHERE TO CURRENT HURRICANE CODES REGARDING ROOF TIE-IN AND WND RESISTANCE.

- NEOPRENE PAD

SIDE VIEW

AIR HANDLING UNIT DETAIL

4. FLEXIBLE AIR DUCT SHALL NOT EXCEED 8 FT. WHEN EXTENDED . ELBOW RADIUS SIZED FOR NO LESS THAN R / D = 1.0 .

6. FLEXIBLE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH FBC MECHANICAL CHAPTER 6, 603.5.6.6.

LOCKING VOLUME DAMPER -

ALTERNATE TAP LOCATION —/ FOR DIFFUSER BELOW DUCT

FLEXABLE DUCT TAKEOFF DETAIL

NOT TO SCALE

UPPER ATTACHMENT > PER SMACNA

MAXIMUM D/8 OFFSET \
ALLOWED IN LAST
D INCHES TO DEVICE
WHERE D IS THE
INTERNAL FLEX
DIAMETER

NECK SIZE TO MATCH FLEX N DUCT SIZE INDICATED

#10 X 1/ 1/4"
SHEET METAL
SCREWS 12" (MAX.)
O.C. MIN. 2 PER
SIDE

SHEETMETAL CONNECTION FOR DUCT TO EQUIPMENT

4.) FASTENING FLANGE 1 1/2"x10" CENTERED ON 12" (5.) RAW END OF PIPE 2" INSIDE OF BOX 6.) FLEX HOSE CONNECTION DRYER EXHAUST DETAIL NOT TO SCALE

NOT TO SCALE

CONNECTION

DRYER BY OTHERS

DRYER HOSE BOX

CONCRETE SLAB

1. 4" MALE END EXTENDING 4" ABOVE BOX

3. 1/2" HEMMED FLANGE FOR FLUSH MOUNT ON SHEET ROCK FACE

2.) CAULK TIGHT