

HANGER ROD

APPROVED

INSERT & ANCHOR -

LESS THAN 1"x1/8" —

SEE NOTE #3-

1"x1/8" 1"x1/8" 1"x1/8"

8'-0"

4'-0"

4'-0" 4'-0"

4'-0"

DUCT HANGERS NOT

ANGLES

1"x1"x1/8" 1"x1"x1/8" 1-1/2"x1-1/2"x1/8"

1-1/2"x1-1/2"x1/8"

2"x2"x1/8"

2"x2"x3/16"

2"x2"x1/4"

SLAB OR BEAM -

— HANGER

BEAM ATTACHMENT

1. ALL DUCTWORK TO BE HUNG FROM

SUPPORT FROM HUNG CEILING.

2. WHEN DUCT AREA EXCEEDS 8 SQ. FT.

ANGLE STIFFENERS ARE REQUIRED

AROUND CIRCUMFERENCE EVERY 4'-0"

3. FOR DUCTS OVER 48" WIDE, HANGERS

SHALL TURN UNDER DUCT AT LEAST

2" AND SHALL BE FASTENED TO THE

BOTTOM AS WELL AS TO THE SIDES

4. FOR DUCTS WITH A CROSS SECTIONAL

AREA OF 4 SQ. FT. OR LESS, HANGERS

SHALL BE NO MORE TAHN 8 FT. APART.

FOR DUCTS WITH A CROSS SECTIONAL

AREA OF MORE TAHN 4 SQ. FT. BUT NOT

MORE THAN 6 FT. APART. FOR DUCTS

WITH A CROS SECTIONAL AREA MORE

LINEARLY ALONG THE DUCT.

THAN 8 SQ. FT., HANGERS SHALL NOT BE

MORE THAN 4 FT. APART. THE DISTANCES

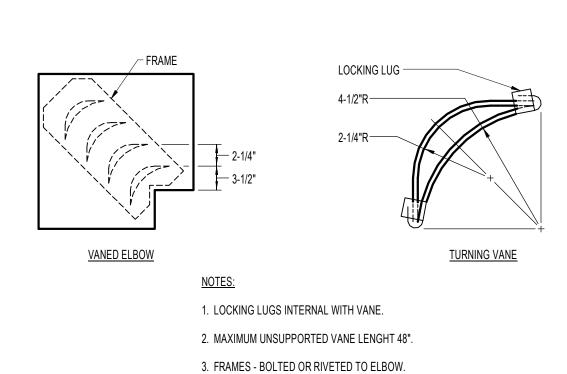
BETWEEN HANGERS SHALL BE MEASURED

OVER 8 SQ. FT., HANGERS SHALL NOT BE

OF THE DUCT.

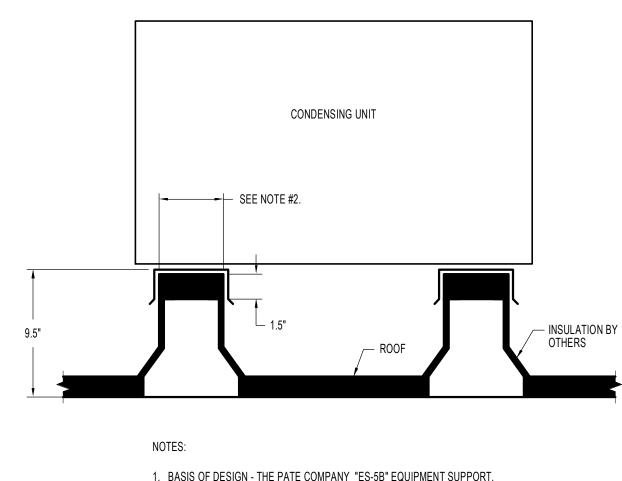
BUILDING CONSTRUCTION. DO NOT



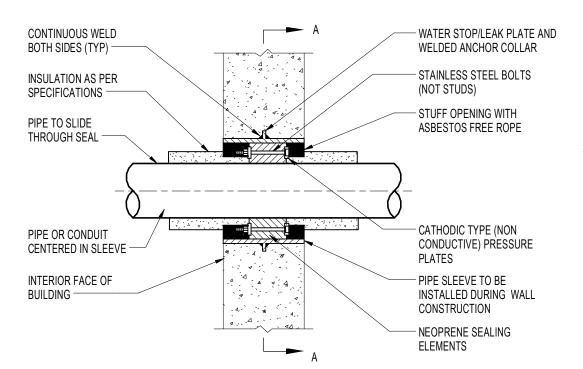


## DOUBLE THICKNESS TURNING VANES FOR SQUARE ELBOWS SCALE: NTS

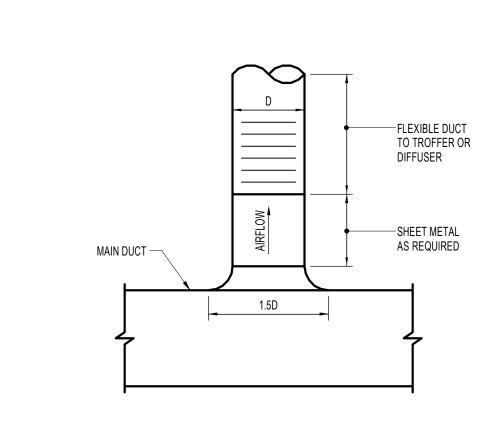
4. VANES AND FRAMES - SAME GAUGE AS ELBOW.



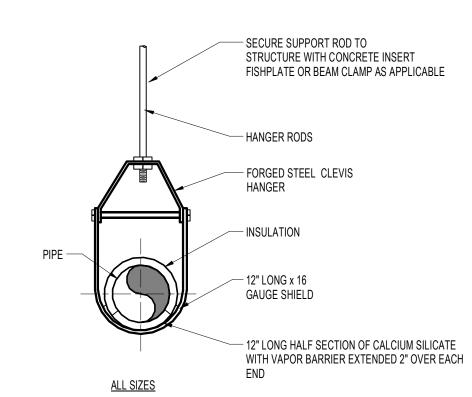
CONDENSING UNIT CURB DETAIL	
SCALE: NTS	



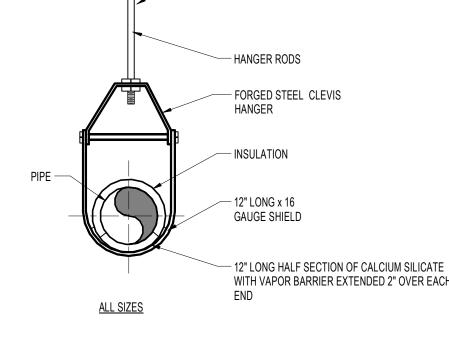
NOTES: 1. WHEN SEALING FLOOR PENETRATIONS, EXTEND SLEEVE 3" ABOVE FINISHED FLOOR. 2. WHEN CORE DRILL IS USED THE PIPE SLEEVE AND WATER STOP/LEAK PLATE ARE NOT REQUIRED.

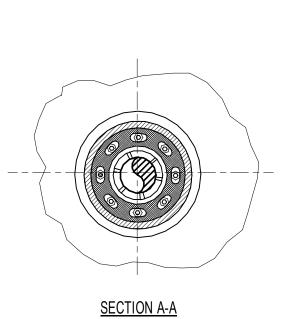


4 CIRCULAR BRANCH CONNECTION TO SINGLE OUTLET
SCALE: NTS



WHERE STRUCTURAL SLAB DOES NOT PERMIT INSERTS. SUPPORT PIPING FROM STRUCTURE WITH AUXILIARY STEEL IF REQUIRED.





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Job	<b>lob #</b> B150155-00		
Date	<b>e</b> JULY 31, 2015		
Sheet Information			
NO	ISSUE	DATE	
1	ADDENDUM 1	08.21.2015	
	ISSUED FOR PERMIT	08.21.2015	

**MECHANICAL DETAILS** 

M05-00

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1. BASIS OF DESIGN - THE PATE COMPANY "ES-5B" EQUIPMENT SUPPORT. 2. FOLLOW MANUFACTURER'S DESIGN GUIDELINE FOR WIDTH OF SUPPORT BASED ON WEIGHT OF CONDENSING UNIT.

BELOW LEVEL OF DRAIN PAN SEE NOTE 2 RETURN BEND 1. X" = MINIMUM DROP EQUAL TO NEGATIVE INTERNAL STATIC PRESSURE AT FAN INLET 2. X/2 + 1" = (MINIMUM 5 INCHES) 3. ADD STRUCTURAL STEEL TO RAISE THE BOTTOM OF THE UNIT TO ACCOMODATE DROP AND TRAP HEIGHT 4. PITCH DRAIN FOR PROPER RUN-OFF AND DISCHARGE TO APPROVED RECEPTACLE. 5. SUPPORT DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW. 6. MANUALLY PRIME FILL TRAP BEFORE START-UP TO TO FORM INITIAL DRAIN DRAIN PAN WATER SEAL PIPING DRAW THRU UNIT SCALE: NTS

1. LOCATE PIPE UNIONS AND ARRANGE PIPING TO FACILITATE COIL REMOVAL.

HOT WATER REHEAT COIL CONNECTIONS ONE HIGH

2. FOR SIZES "A" SEE PLANS AND FLOW DIAGRAMS.

MAXMIUM 5 FT. LENGTH FLEXIBLE DUCT FULLY EXTENDED —

ROUND DUCT CONNECTOR ACOUSTIC LINING —

THERMAL INSULATION -

MAXMIUM 5 FT. LENGTH

ROUND DUCT ADAPTOR

FOR RECTANGULAR

FLEXIBLE DUCT FULLY

EXTENDED —

D MINIMUM —

DIFFUSER —

CEILING -

3 DIFFUSER CONNECTION SCALE: NTS

MANUAL AIR VENTS AT ALL

NOTES:

DRAIN PAN

SEE NOTE 1 -

COIL HIGH POINTS —

AIRFLOW

6" MINIMUM

THERMAL INSULATION

----2-3/4 IN. MINIMUM

BALANCING VALVE

— CONTROL VALVE

SIDE CONNECTION

TOP CONNECTION

— 3/4" DRAIN VALVE WITH HOSE BIBB (TYP.)

DRAIN CONNECTION (1-1/4" FPT MINIMUM)

CLEANOUT PLUG

DISCHARGE MUST BE

— NIPPLE

- RUNOUTS SHALL BE SAME SIZE AS COIL CONNECTIONS

- DRAIN VALVES AT LOW POINTS OF ALL COIL HEADERS, SAME SIZE AS COIL OUTLET SIZES BUT NOT LESS THAN 3/8"

DIFFUSER

NECK SIZE-

MOLDED RUBBER BOLTED SEAL ASSEMBLY
SCALE: NTS