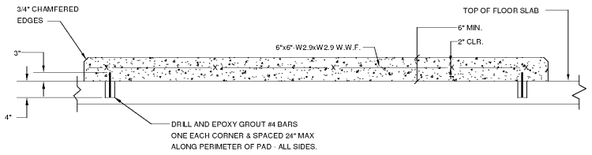
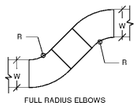


6" CONCRETE PAD

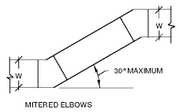
NOTE:

1. SIZE PAD 6" LARGER ALL AROUND TO SUIT EQUIPMENT FURNISHED

1 DETAIL - CONCRETE PAD
SCALE: N.T.S.

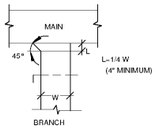


FULL RADIUS ELBOWS WHERE POSSIBLE (R = W)

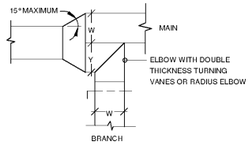


MITERED ELBOWS

DUCT OFFSETS

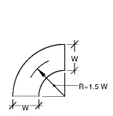


(BRANCH FLOW LESS THAN 25% OF MAIN FLOW)

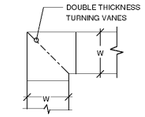


(BRANCH FLOW GREATER THAN 25% OF MAIN FLOW)

BRANCH TAKE OFFS

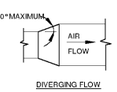


RADIUS ELBOW

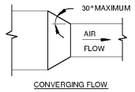


RECTANGULAR ELBOW

LOW VELOCITY ELBOWS



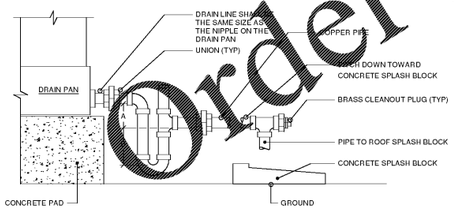
DIVERGING FLOW



CONVERGING FLOW

RECTANGULAR TO RECTANGULAR TRANSITIONS

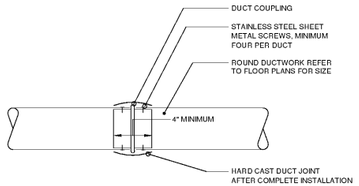
2 DETAIL - RECTANGULAR DUCT FITTINGS
SCALE: N.T.S.



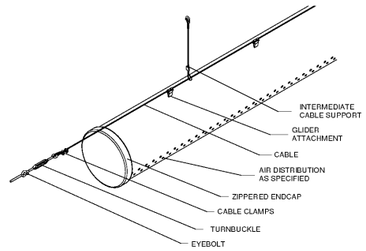
NOTES

1. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR PIPE SIZES AND TRAP CONFIGURATION.

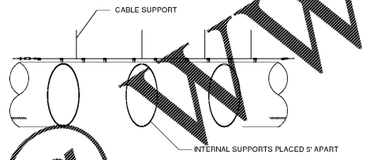
3 DETAIL - COIL CONDENSATE DEEP SEAL TRAP (PAD)
SCALE: N.T.S.



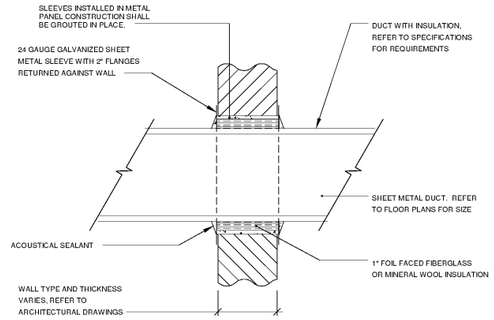
4 DETAIL - ROUND DUCT JOINT
SCALE: N.T.S.



5 DETAIL - SINGLE ROW SUSPENSION - FABRIC DUCT
SCALE: N.T.S.



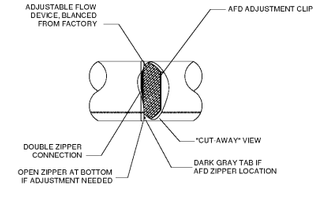
6 DETAIL - FABRIC DUCT INTERNAL SUPPORT
SCALE: N.T.S.



NOTES:

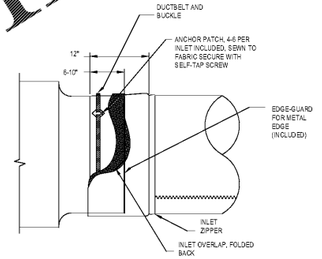
1. PROVIDE GALVANIZED SHEET METAL SLEEVES FOR DUCTWORK PASSING THROUGH ALL FULL HEIGHT WALLS, FIRE RATED PARTITIONS OR SMOKE PARTITIONS. DUCT SLEEVES SHALL BE LARGE ENOUGH TO PASS DUCT WITH INSULATION AND SHALL HAVE 2 (TWO) INCH FLANGES RETURNED AGAINST WALL OR PARTITION. WHERE FIRE DAMPERS ARE REQUIRED, PROVIDE SLEEVES AS REQUIRED BY THE DAMPER MANUFACTURER.
2. AT ALL SLEEVES, WHERE NOISE CAN BE TRANSMITTED AND AT FIRE RATED SEPARATIONS, SEAL ALL OPENINGS BETWEEN DUCTS AND CORRESPONDING SLEEVE TO PREVENT SOUND TRANSMISSION AND MAINTAIN FIRE RATING OF THE WALL. SUBMIT METHOD OF SEALING SLEEVES FOR APPROVAL. U.L. ASSEMBLY RATING OF FIRE WALLS SHALL BE MAINTAINED AT ALL TIMES. ALL SLEEVES INSTALLED IN METAL PANEL CONSTRUCTION SHALL BE GROUTED IN PLACE.

7 DETAIL - ACOUSTICAL DUCTWORK PENETRATION
SCALE: N.T.S.

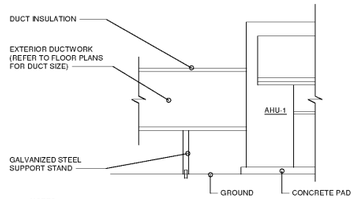


INSTALLED AT ZIPPER LOCATION AT INLET OR AS SPECIFIED IN OTHER LOCATIONS. ZIPPER TO ZIPPER CONNECTION AS SHOWN. EXTERNAL LABEL IDENTIFIES LOCATION.

8 DETAIL - ADJUSTABLE FLOW DEVICE
SCALE: N.T.S.



9 DETAIL - INLET ATTACHMENT
SCALE: N.T.S.



NOTES

1. COORDINATE EXTERIOR DUCT STRUCTURAL SUPPORTS WITH MANUFACTURER DUCT CONNECTION HEIGHTS. PROVIDE SUPPORTS EVERY 4'-0" OF HORIZONTAL RUN.

10 DETAIL - EXTERIOR DUCTWORK SUPPORTS
SCALE: N.T.S.

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