

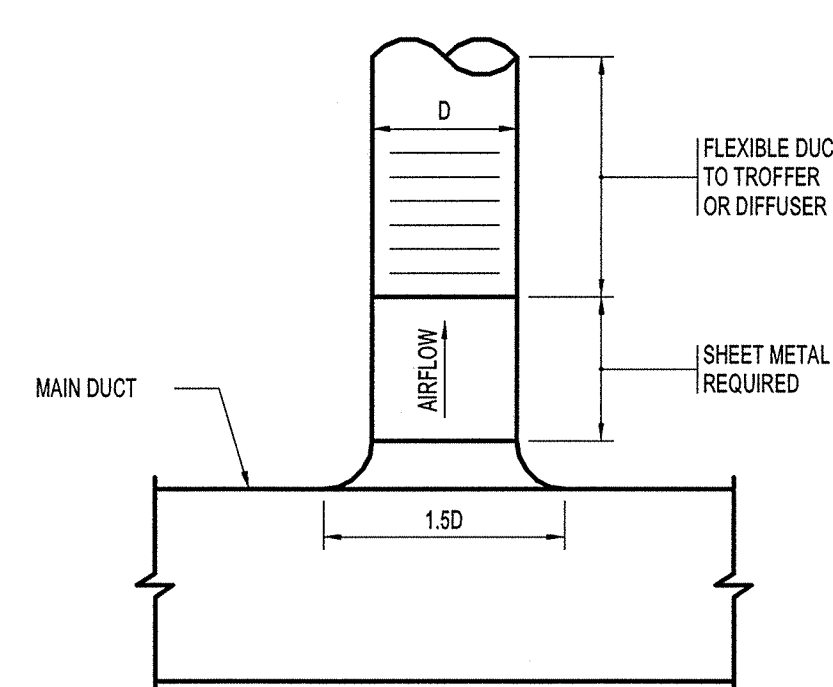
VANED ELBOW

TURNING VANE

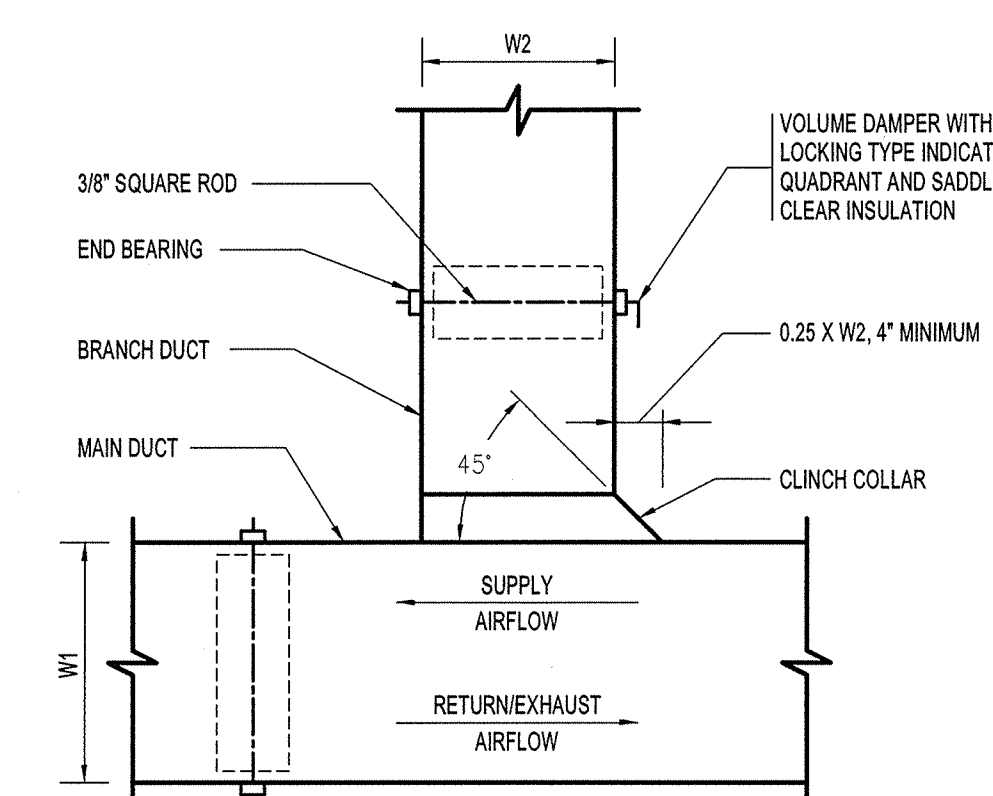
NOTES:

1. LOCKING LUGS INTERNAL WITH VANE
2. MAXIMUM UNSUPPORTED VANE LENGTH 48"
3. FRAMES - BOLTED OR RIVETED TO ELBOW
4. VANES AND FRAMES - SAME GAUGE AS ELBOW

DOUBLE THICKNESS TURNING VANES
FOR SQUARE ELBOWS



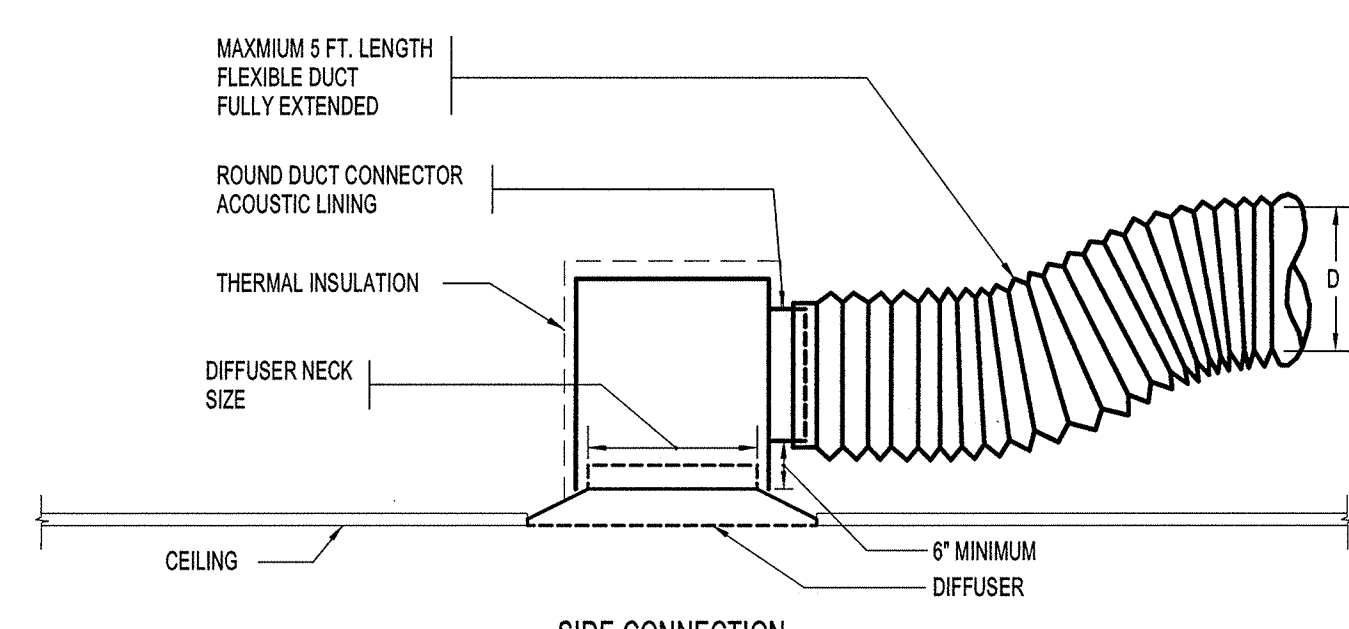
CIRCULAR BRANCH CONNECTION
TO SINGLE OUTLET



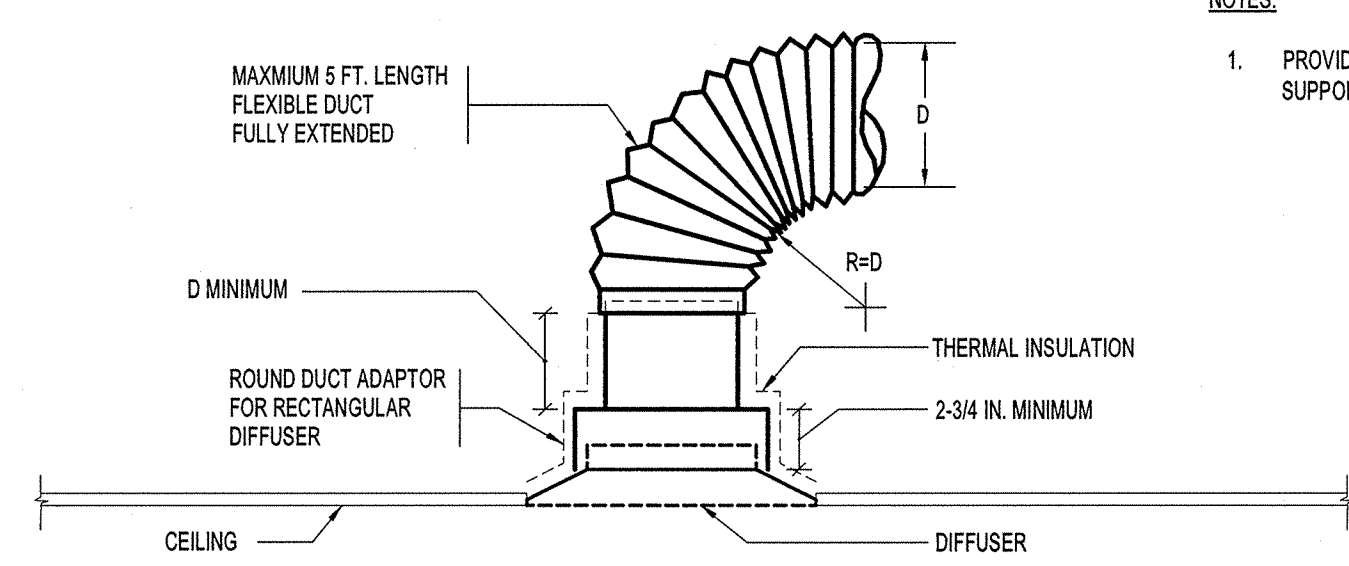
NOTES:

1. FURNISH THIS TYPE CONNECTION WHEN SINGLE LINE DUCTWORK IS INDICATED AS THIS FOR LOW PRESSURE BRANCHES WITH LESS THAN 700 CFM AND MEDIUM PRESSURE BRANCHES WITH LESS THAN 1,000 CFM.
2. NOT TO BE USED AS A SUBSTITUTE FOR AN ELBOW.

RECTANGULAR DUCT ANGULAR TAP
WITH VOLUME DAMPER



SIDE CONNECTION

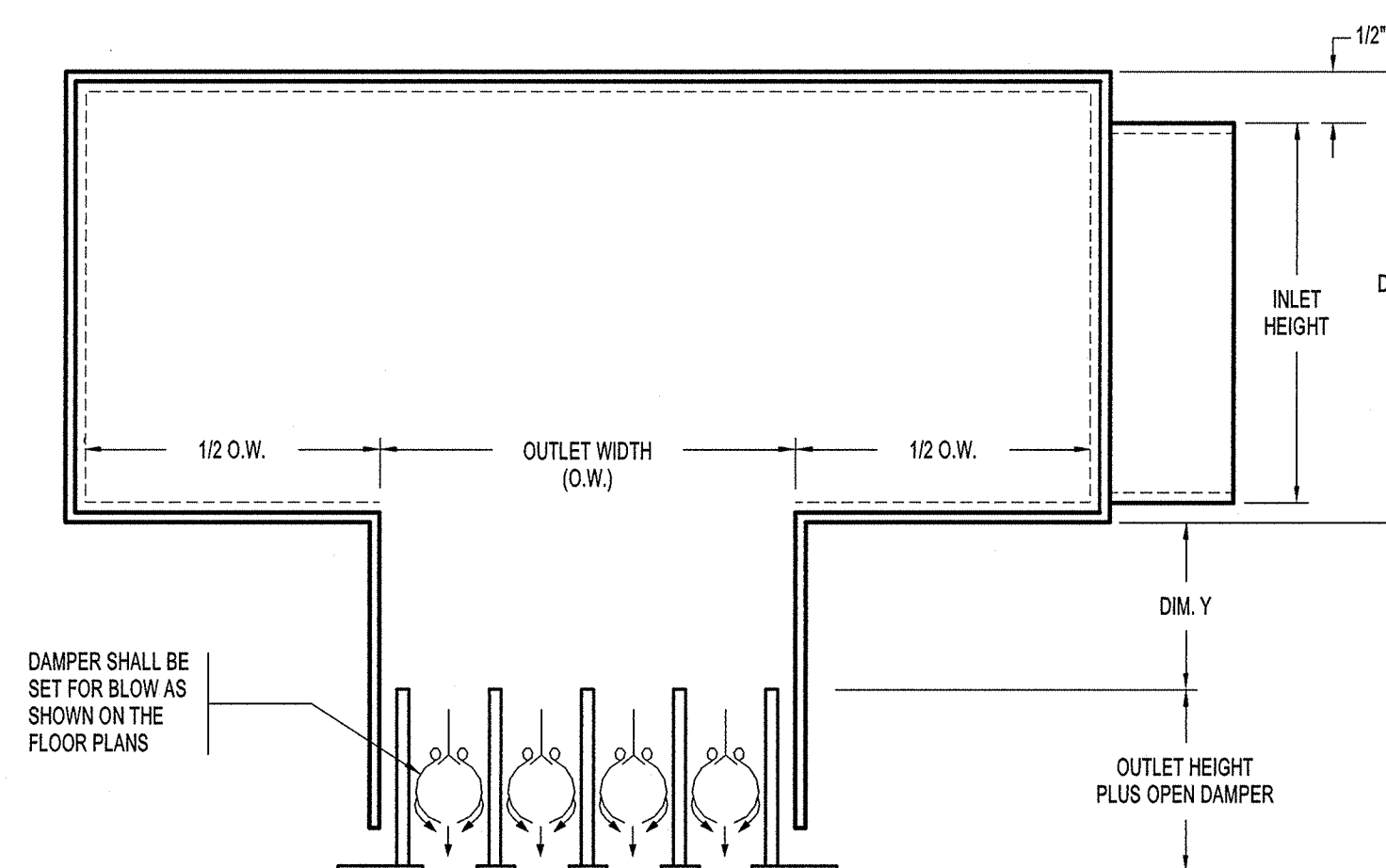


TOP CONNECTION

DIFFUSER CONNECTION DETAIL

NOTES:

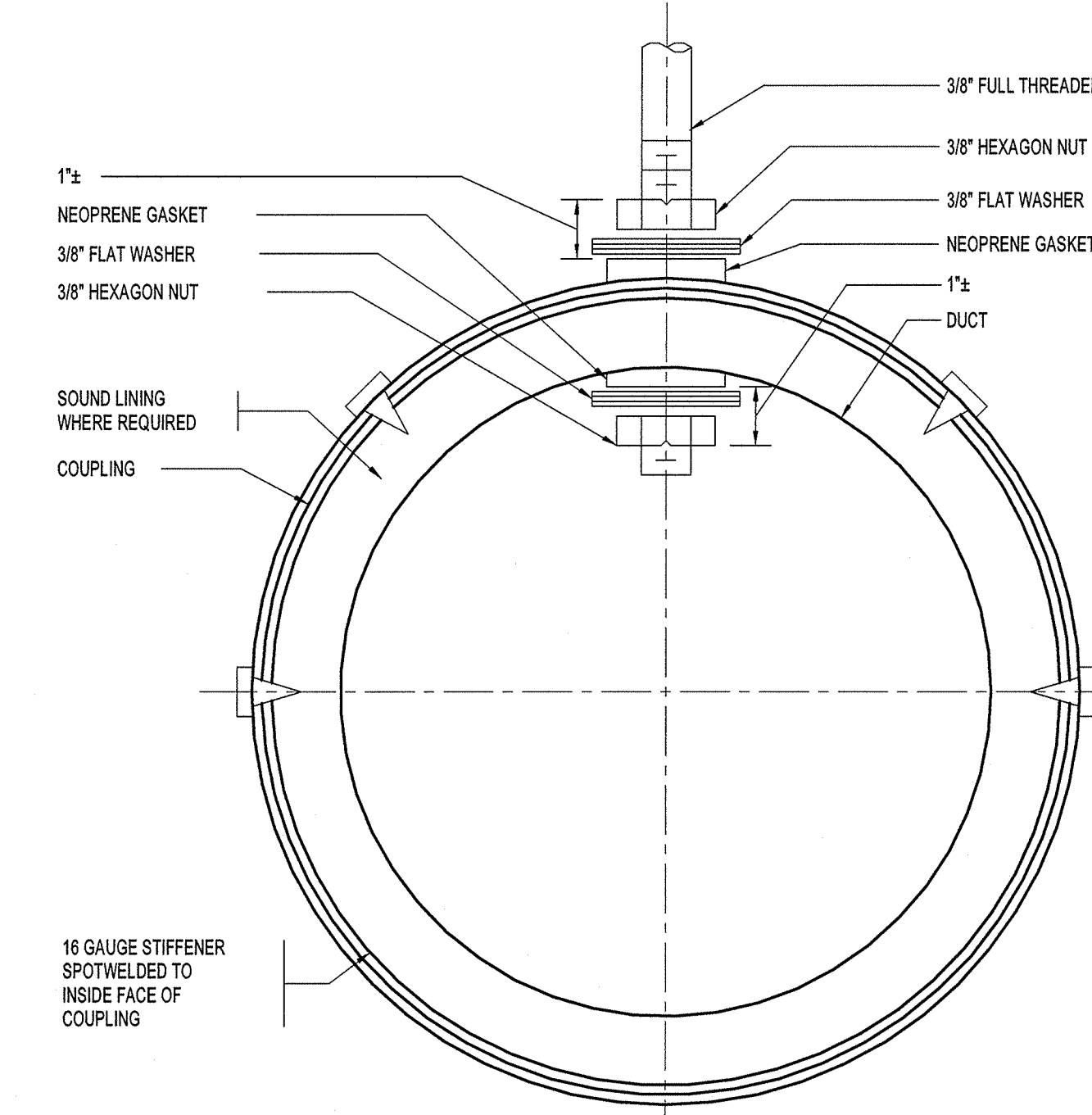
1. PROVIDE ELBOW SUPPORTS AND DUCT SUPPORT STRAPS, FLEX FLOW OR EQUAL.



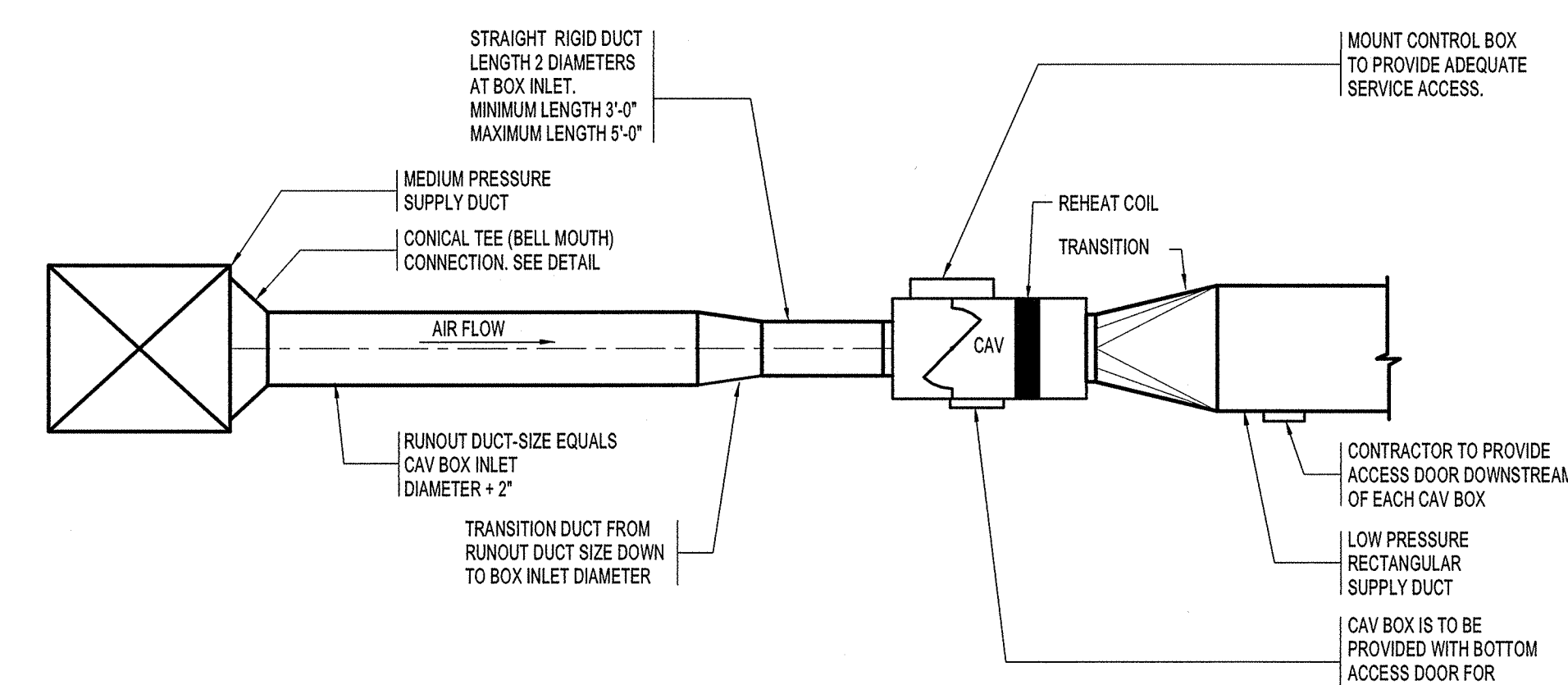
LINEAR DIFFUSER PLENUM DETAIL

FOR OUTLET WIDTHS UP TO 8\"/>

FOR OUTLET WIDTHS UP TO 6\"/>



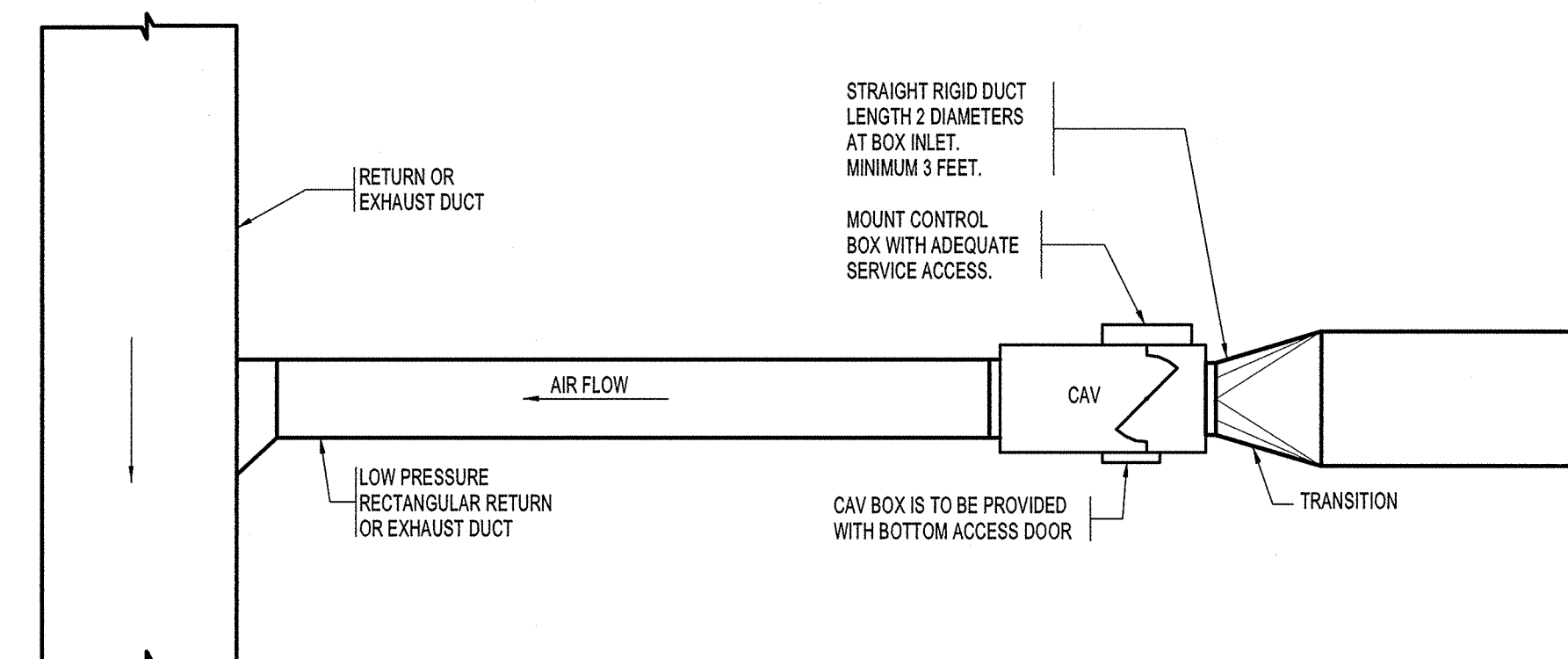
SUPPORT FOR LOW PRESSURE CIRCULAR DUCT



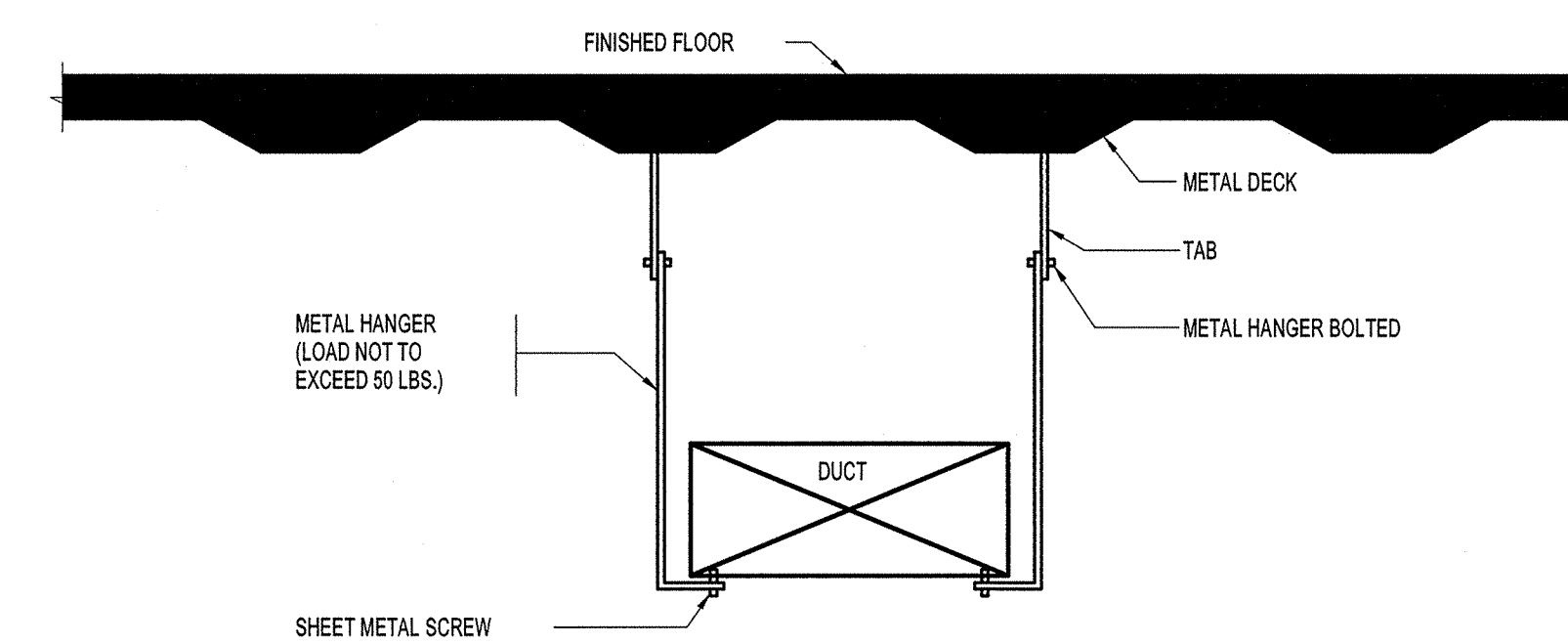
NOTES:

1. THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULENCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TOO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2. WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. MANUFACTURER OF TERMINAL UNIT SHALL PROVIDE CONTROLS ON LEFT OR RIGHT SIDE AS REQUIRED BY FIELD CONDITIONS.
4. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCE AND MAINTENANCE OF TERMINAL UNIT.

TERMINAL REHEAT BOX CONNECTIONS
(CAV OR VAV)



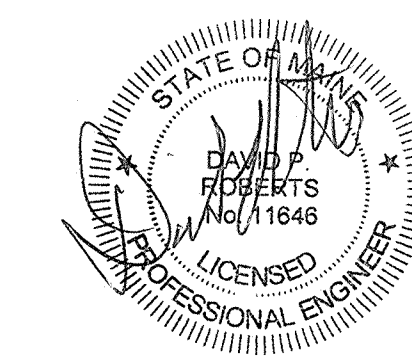
RETURN/EXHAUST TERMINAL BOX
CONNECTIONS (CAV OR VAV)



NOTES:

1. DUCTS SHALL NOT BE HUNG FROM OR SUPPORTED BY HUNG CEILING.
2. FOR DUCTS NOT EXCEEDING 2 SQ. FT. IN CROSS-SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1/8\"/>

DUCT SUPPORT FROM METAL DECK



Revisions

NO.	ISSUE DATE	DATE
1	ADDENDUM NO. 1	05-22-15
NO.	ISSUE DATE	DATE

ISSUED FOR PERMIT 06-08-15

Sheet Information
Date MAY 1, 2015
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Checked DR
Approved DR

Title

MECHANICAL
DETAILS