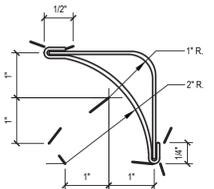
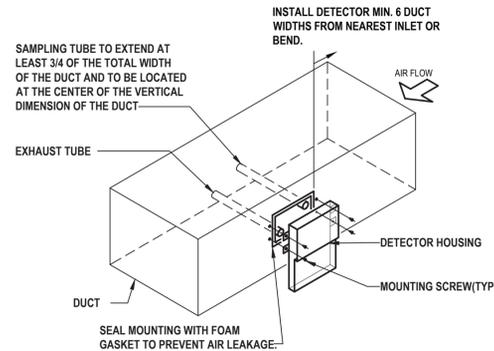


TYPE "A"
DOUBLE THICKNESS VANES FOR USE IN DUCTS GREATER THAN 24" x 24" IN SIZE. USE SAME GAUGE GALVANIZED IRON AS DUCT NOT TO EXCEED 20 GAUGE.

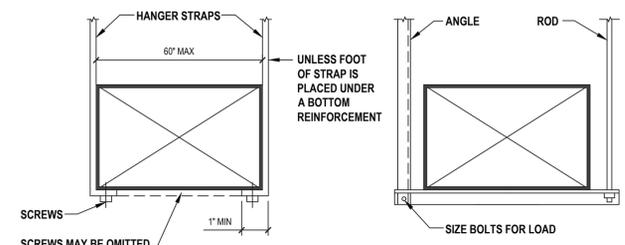


TYPE "B"
DOUBLE THICKNESS VANES FOR USE IN DUCTS 24" x 24" AND UNDER

NOTE:
USE GALVANIZED STEEL FOR VANES IN EITHER STEEL OR ALUMINUM DUCTWORK.



NOTES:
1. INTERFACE OF NEW DUCT SMOKE DETECTORS W/ EXISTING BUILDING FIRE ALARM SYSTEM BY CONTRACT 'E'.

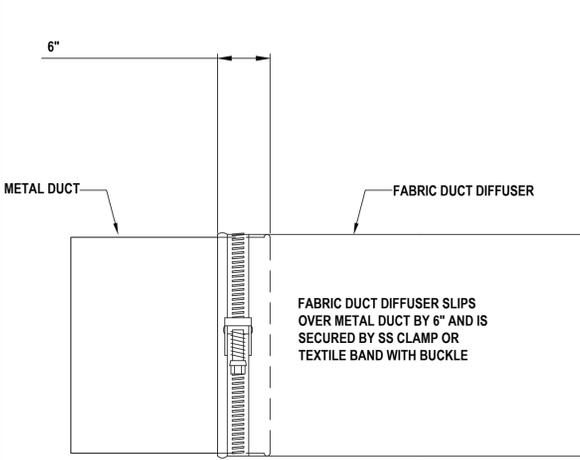


NOTES:
1. SIZE ALL SUPPORTS IN ACCORDANCE WITH THE SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION.

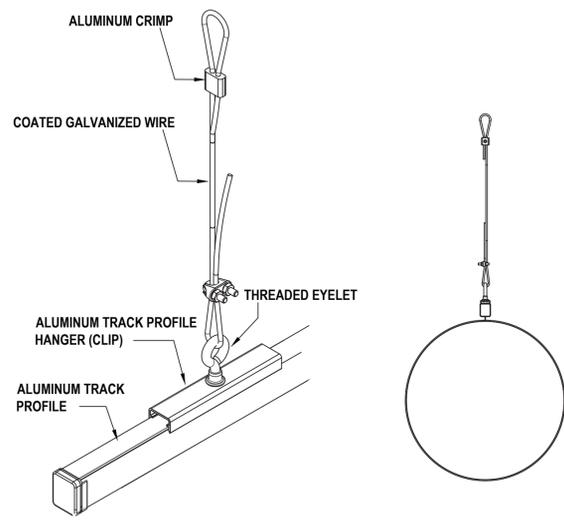
1 Turning Vanes Detail
SCALE: NTS (DETAIL #)

2 Duct Mounting Smoke Detector Detail
SCALE: NTS (DETAIL #)

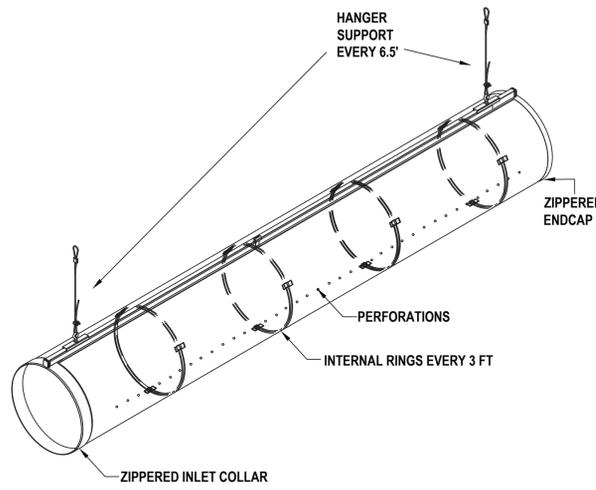
3 Hanger Detail
SCALE: NTS (DETAIL #)



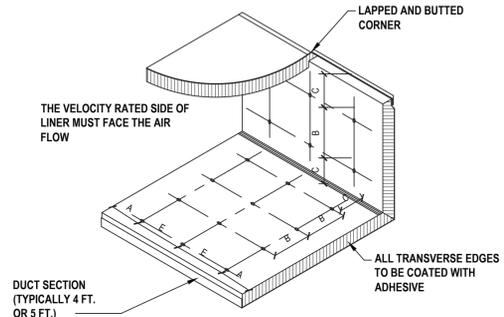
4 Fabric Duct Inlet Connection Detail
SCALE: NTS (DETAIL #)



5 Fabric Duct Hanger Detail
SCALE: NTS (DETAIL #)



6 Fabric Duct Installation Detail
SCALE: NTS (DETAIL #)

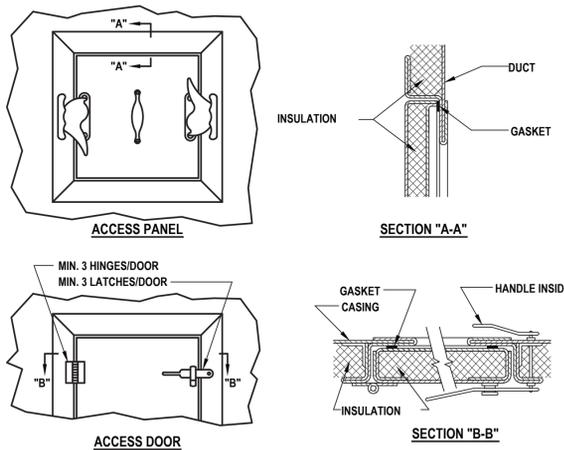


MAXIMUM SPACING FOR FASTENERS. ACTUAL INTERVALS ARE APPROXIMATE. LINER ADHERED TO THE DUCT WITH 90% MIN. AREA COVERAGE OF ADHESIVE.

VELOCITY*	DIMENSIONS			
	A	B	C	E
0-1500 FPM	3"	12"	4"	18"
1501-3500 FPM	3"	6"	4"	16"

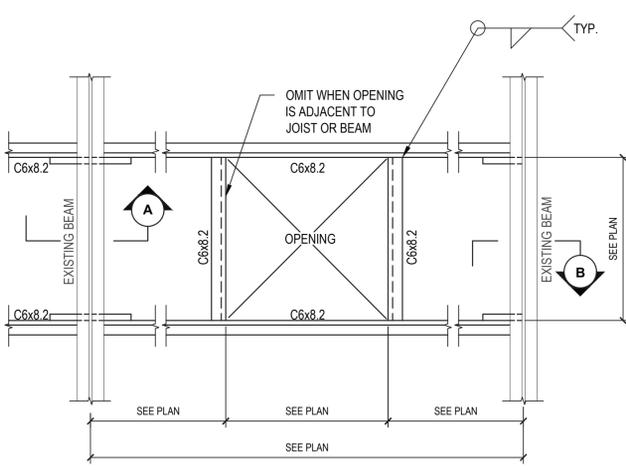
* UNLESS A LOWER LEVEL IS SET BY MANUFACTURER OR LISTING AGENCY

7 Acoustical Liner Fastening Detail
SCALE: NTS (DETAIL #)

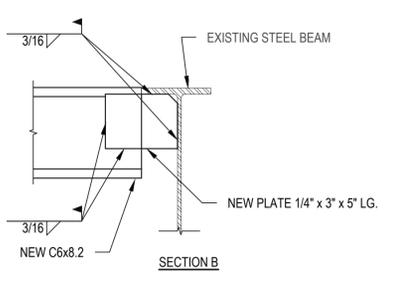
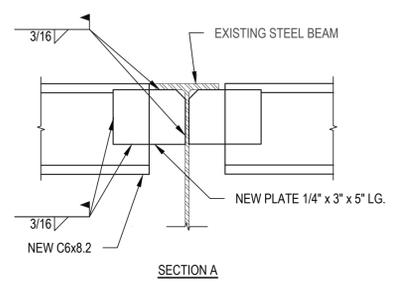


NOTES:
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. PROVIDE ACCESS DOORS ON AIR HANDLING UNITS AND DUCTWORK INSTALLED IN EQUIPMENT ROOMS. PROVIDE ACCESS PANELS ON ALL EQUIPMENT AND DUCTWORK INSTALLED ABOVE FINISHED CEILINGS WHERE SPACE LIMITATIONS DO NOT ALLOW HINGED DOORS TO OPEN.

8 Access Door & Panel Details
SCALE: NTS (DETAIL #)



9 Structural Roof Reinforcement Detail
SCALE: NTS (DETAIL #)



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NY Architecture & Landscape Architecture: No Certificate Required
NY Engineering Certificate of Authorization No. 0018178

CONSULTANTS:

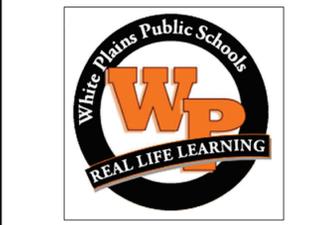
MARK	DATE	DESCRIPTION
	10-28-24	BID SET



BRIAN M. CASTELLI, P.E.
NY PROFESSIONAL ENGINEER LIC. NO. 099167
DESIGNED BY: RVS
DRAWN BY: RVS
CHECKED BY: BMC
REVIEWED BY: AEH
PROJECT NO.: WPSD2302
DATE: OCTOBER 2024
SCALE: AS SHOWN

CLIENT
WHITE PLAINS CITY SCHOOL DISTRICT

**RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL**



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-018

CONTRACT
SINGLE CONTRACT

STATUS
BID SUBMISSION

SHEET TITLE
MECHANICAL DETAILS

DRAWING No.
M500.00

X:\PSP\White Plains Central School District - 109911PSPD 2302 - George Washington ES Renovations and Upgrades\102-BIM\CADD\Doc\Draw\17-Mechanical\650.00-Mechanical Details.dwg, Last Modified: Oct 24, 2024, 10:17am, Plotted on: Oct 23, 2024, 3:56pm by bcastelli

