

EXHAUST FAN SCHEDULE

(GREENHECK AS STANDARD)

TAG NO.	AREA SERVED	CFM	SP. (IN)	BHP	MHP	RPM	ELECTRICAL DATA V/PH/Hz	DIMENSIONS (L x W x H) (IN)	APPROX. WT. (LBS)	MODEL & MANUFACTURER	SONES	REMARKS
EF-1-1	SERVERY / KITCHEN B02	600/1,500	0.5	0.30	3/4	1,349	120/1/60	21 x 21 x 21	59	SQ-130-VG GREENHECK	9.2	W/ VIBRATION ISOLATORS, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER 84-277VAC TO 24 VDC, VARI-GREEN TWO-SPEED CONTROL & BACK DRAFT DAMPER. UNIT TO BE TIED INTO NEW ANDOVER BUILDING MANAGEMENT SYSTEM (BMS). FOR CONTROLS REFER TO SEQUENCE OF OPERATIONS 230993 SECTION 1.13.
EF-1-2	UTILITY CLO. B04	75	0.5	0.03	⁴⁹ WATTS	900	120/1/60	14 x 12 x 11	23	CSP-A200 GREENHECK	2.2	W/ VIBRATION ISOLATORS, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER & BACK DRAFT DAMPER.
EF-1-3	MEDIA CENTER C02 & LIBRARY C05	975	0.25	0.29	1/3	1,120	120/1/60	14 x 24 x 15	49	CSP-A1050-VG GREENHECK	1.3	W/ VIBRATION ISOLATORS, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER & BACK DRAFT DAMPER.
EF-1-4	ART 06	1000	0.125	0.1	0.25	1250	120/1/60	25"Ø x 30	44	CUE-101-VG GREENHECK	8.0	WALL MOUNTED VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER & BACK DRAFT DAMPER.
EF-1-5	KILN ROOM / ART STORAGE C11	500	0.5	0.11	1/6	1,586	120/1/60	16 x 15 x 15	47	SQ-095-VG GREENHECK	8.3	W/ VIBRATION ISOLATORS, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER & BACK DRAFT DAMPER.
EF-2-1	SGI A104	450	0.5	0.12	1/3	1,284	120/1/60	24 x 12 x 12	39	CSP-A700-VG GREENHECK	1.3	W/ VIBRATION ISOLATORS, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER & BACK DRAFT DAMPER.
EF-R-1	ROOF SIDEWALL	300	0.25	0.04	0.07	1,644	120/1/60	20"Ø x 15	22	CUE-070-VG GREENHECK	5.6	WALL MOUNTED, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER 84-277VAC TO 24 VDC & BACK DRAFT DAMPER, PROVIDE THERMOSTAT IN ELEVATOR SHAFT AND SET FOR 80°F ADJUSTABLE. FAN TO BE TIED INTO NEW ANDOVER BUILDING MANAGEMENT SYSTEM (BMS).

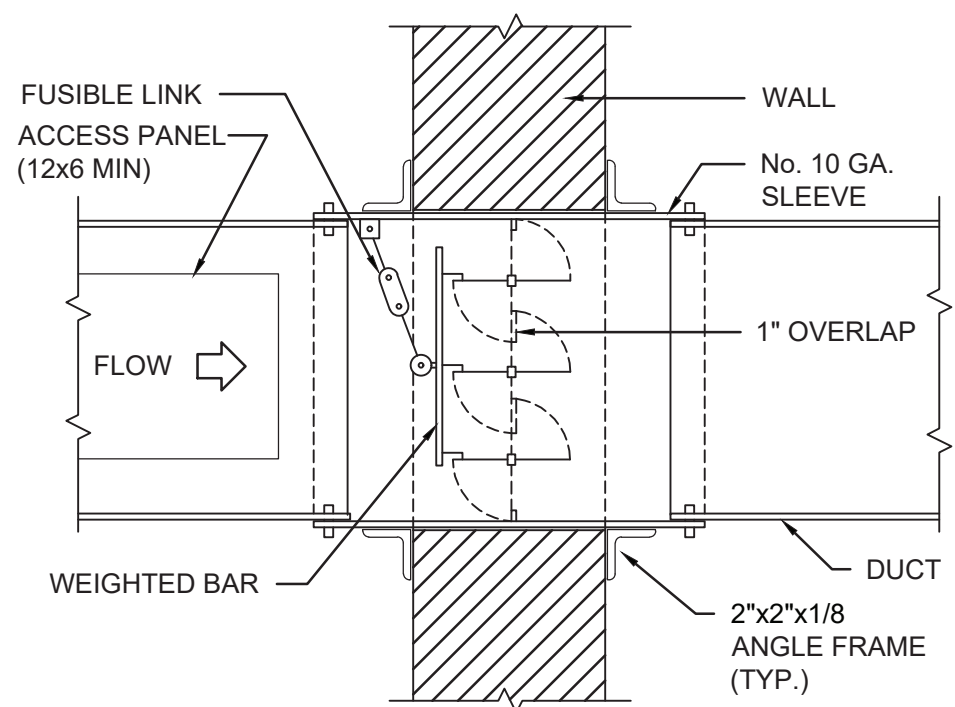
HOT WATER FINNED TUBE RADIATION SCHEDULE

(STERLING AS STANDARD)

TAG NO.	LOCATION	TUBE SIZE	FIN PER FT.	ACTIVE ELEMENT LENGTH	BTU/ HR-FT	HOT WATER HEATING				MODEL & MANUFACTURER	REMARKS
						MBH	EWT (°F)	LWT (°F)	GPM		
FTR-1-1	CAFETERIA B01	3/4"	50	(3) 7'-0"	1,200	8.4 EA.	180	160	0.8 EA.	JVB-T24 STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-2-1	COPY ROOM A202	3/4"	50	6'-0"	1,200	7.2	180	160	0.7	JVB-T24 STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-3-1	STOR. A302	3/4"	50	4'-0"	1,200	4.8	180	160	0.5	JVB-T24 STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.

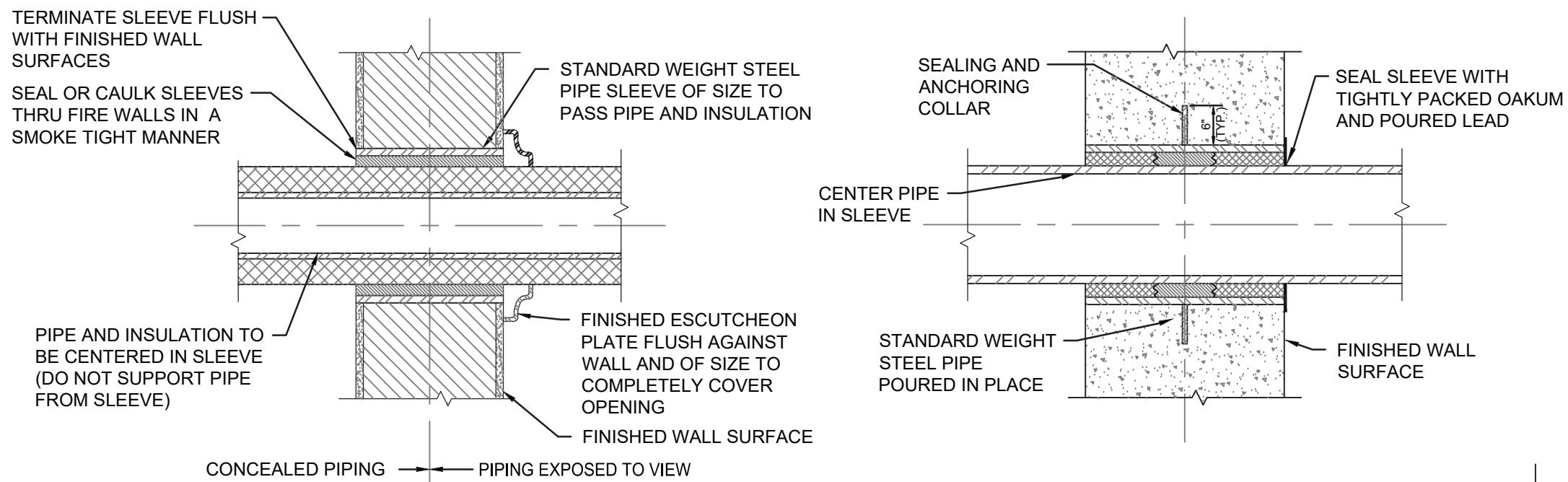
NOTES:

- ALL FTRs SHALL BE 24" H x 5-5/16" D. THE LENGTH INDICATED IN ABOVE SCHEDULE IS ACTIVE FINNED TUBE LENGTH. THE OVERALL LENGTH OF COVERS (ENCLOSURES) SHALL BE WALL TO WALL OR AS INDICATED ON FLOOR PLANS.
- PROVIDE W/ MIN. 14 GAUGE GALVANIZED STEEL FRONT COVER, 18 GA. FULL HEIGHT BACK PANEL, AIR VENT, CORNER PIECES, SPLICE PLATES, END CAPS, VALVE ENCLOSURE COVER & WALL TO WALL COVER, WATER BRACKETS & TAMPER RESISTANT DAMPERS.
- DDC CONTRACTOR SHALL PROVIDE CONTROL VALVES & FIELD-WIRE INTERLOCKS WITH RESPECTIVE AC UNIT. CONNECT TO NEW ANDOVER BMS.
- PROVIDE DANFOSS CONTROL VALVE W/ UNIT MOUNTED DIAL-CONTROL FOR EACH FTR FOR FTR-3-1 AND 2-1.
- UNIT COLOR SHALL BE SELECTED BY OWNER & PROVIDE A COLOR CHART.



FIRE DAMPER IN WALL

NOT TO SCALE

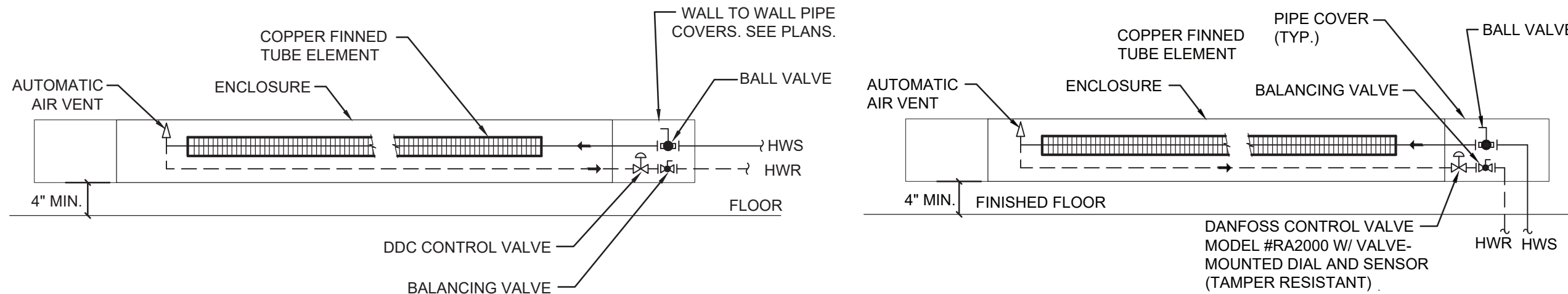


INTERIOR WALLS

EXTERIOR WALLS

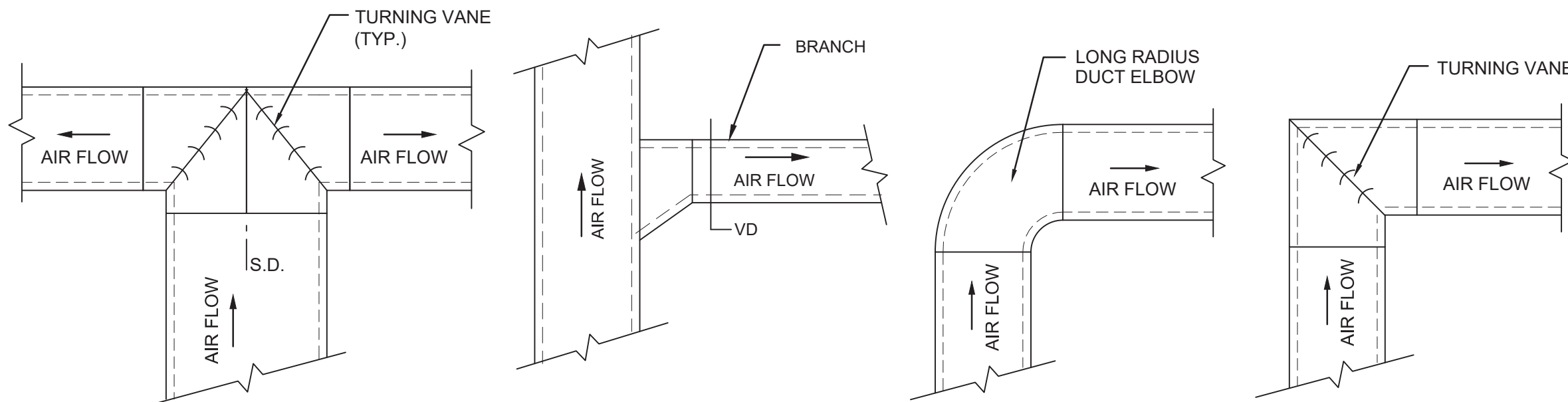
PIPE SLEEVES THRU WALL DETAILS

NOT TO SCALE



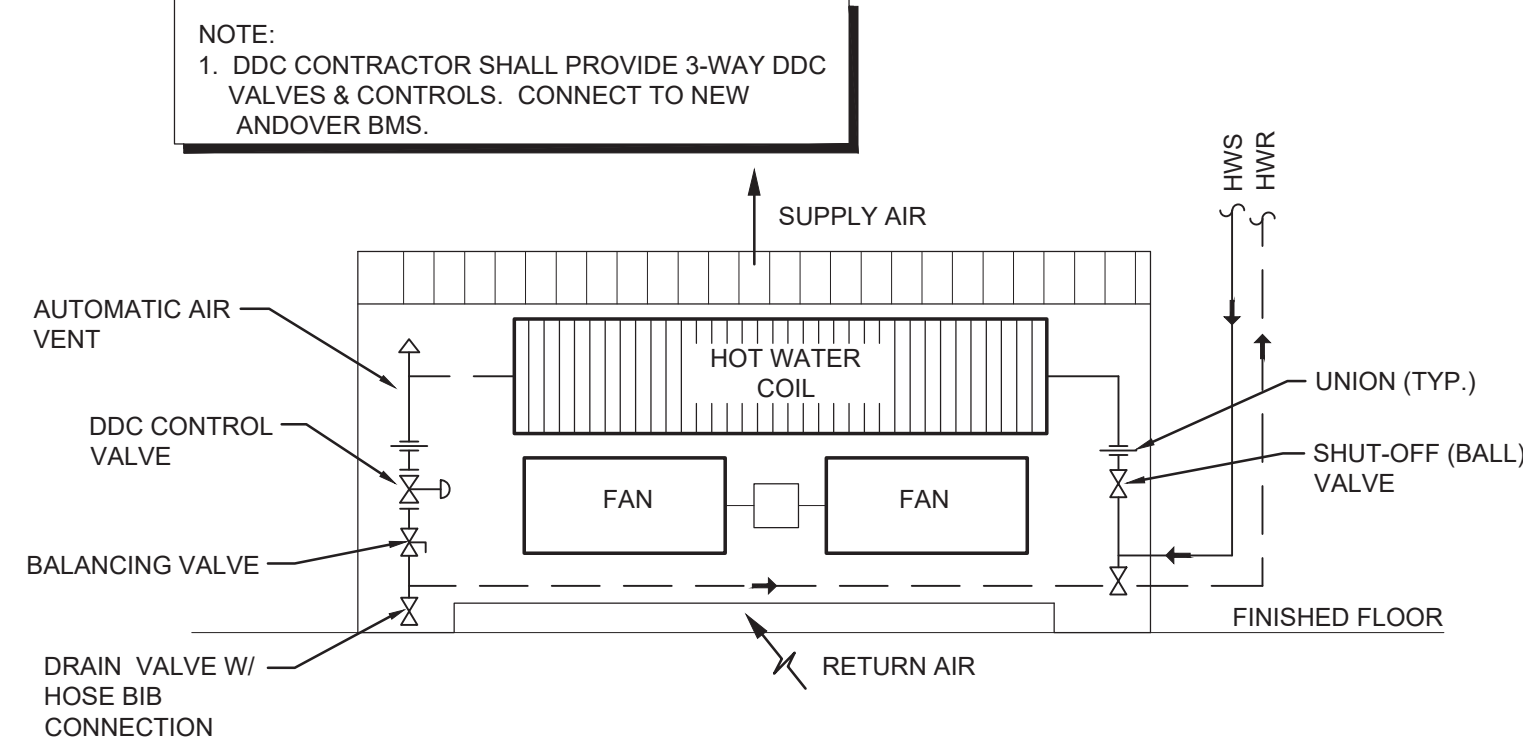
HOT WATER FTR PIPING W/ TWO TYPES OF CONTROL VALVES DETAIL

NOT TO SCALE



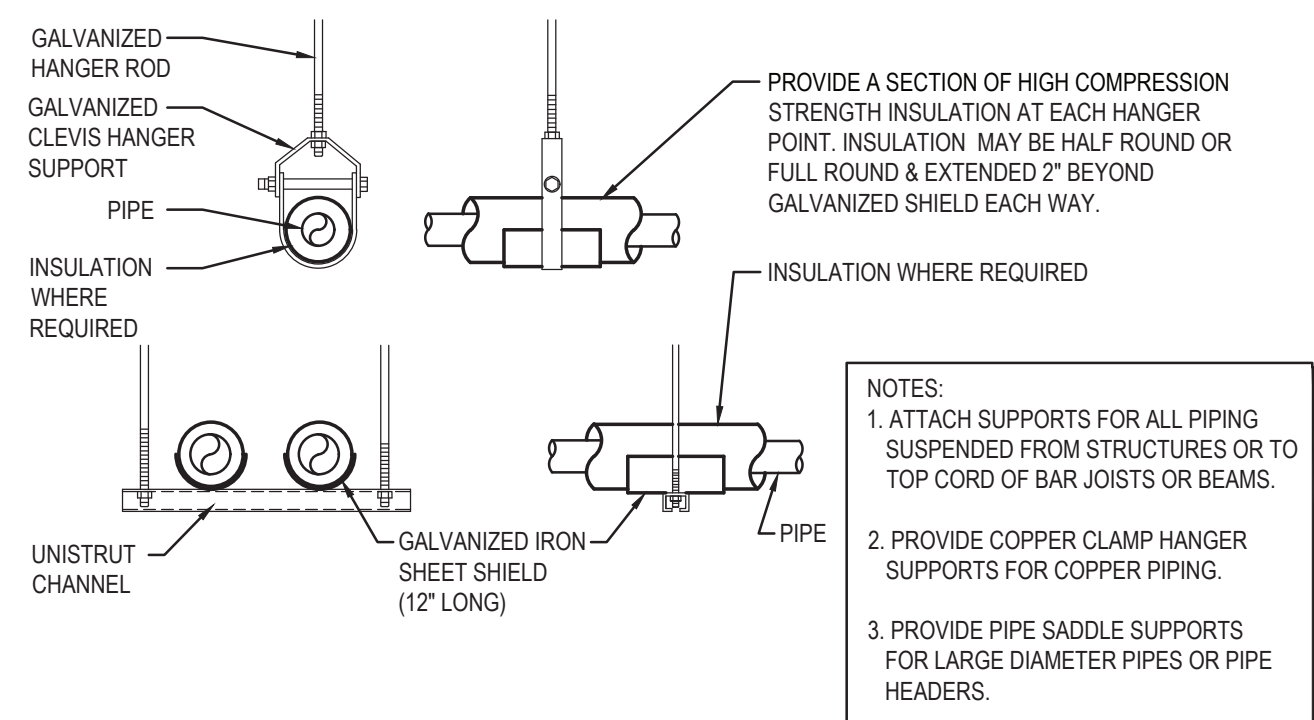
DUCT TAKE-OFF & TURN DETAIL

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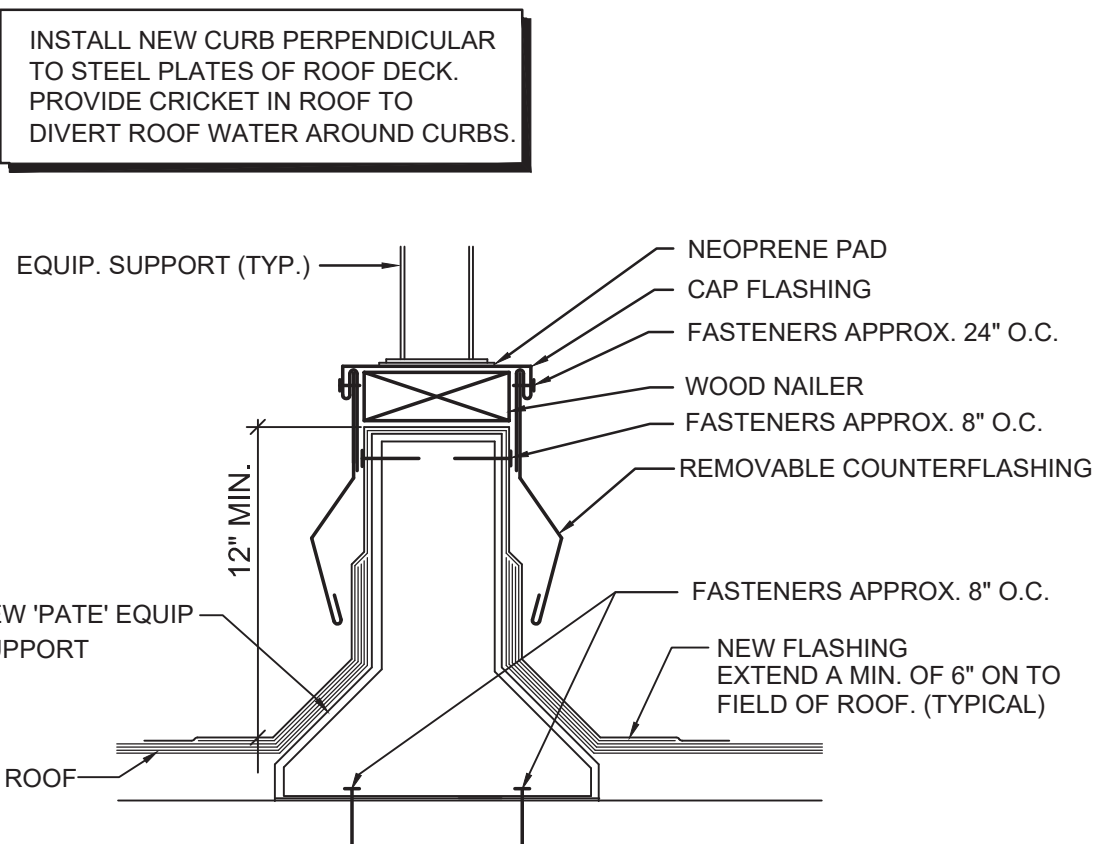
HOT WATER CABINET HEATER PIPING DETAIL

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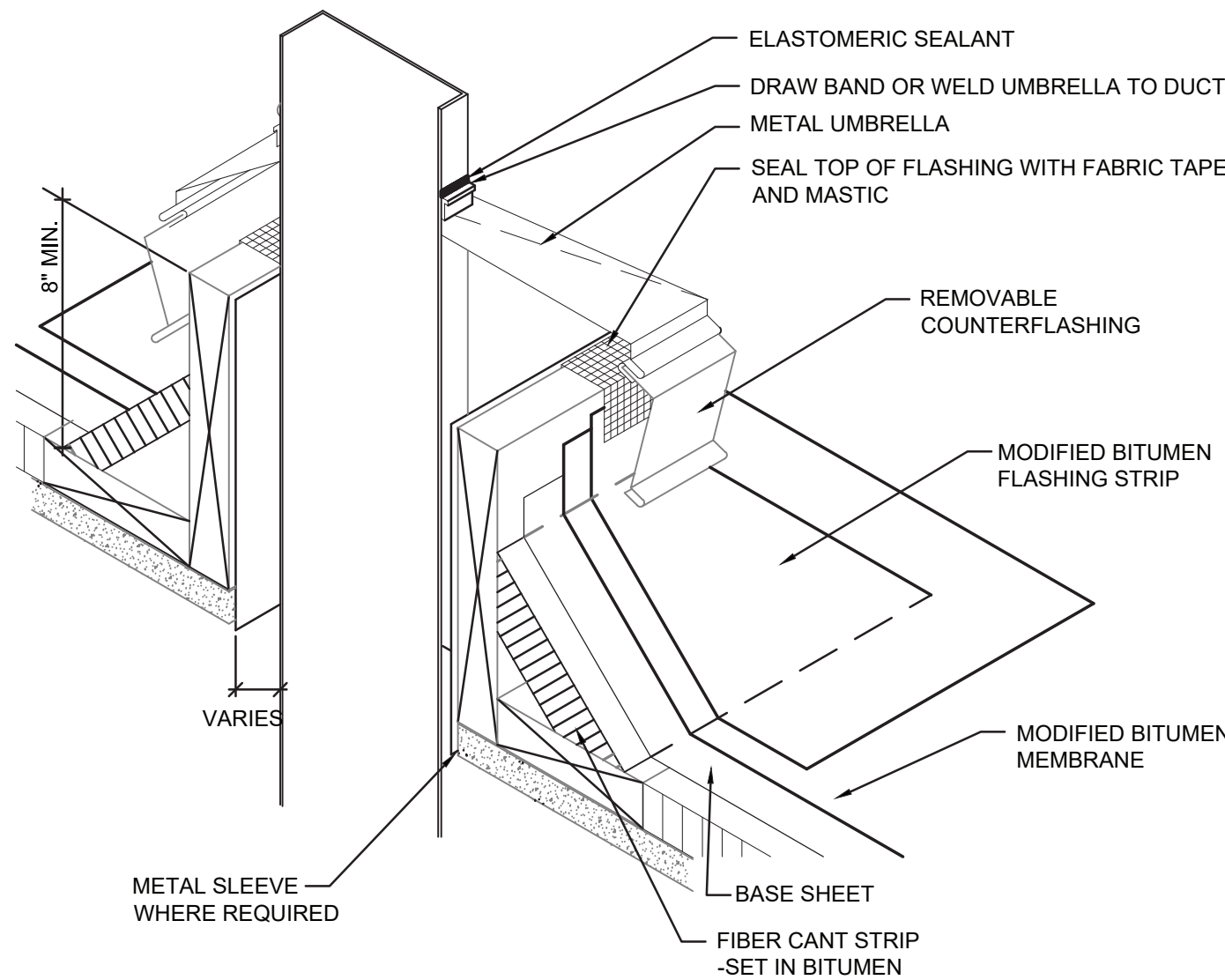
PIPE SUPPORT HANGERS

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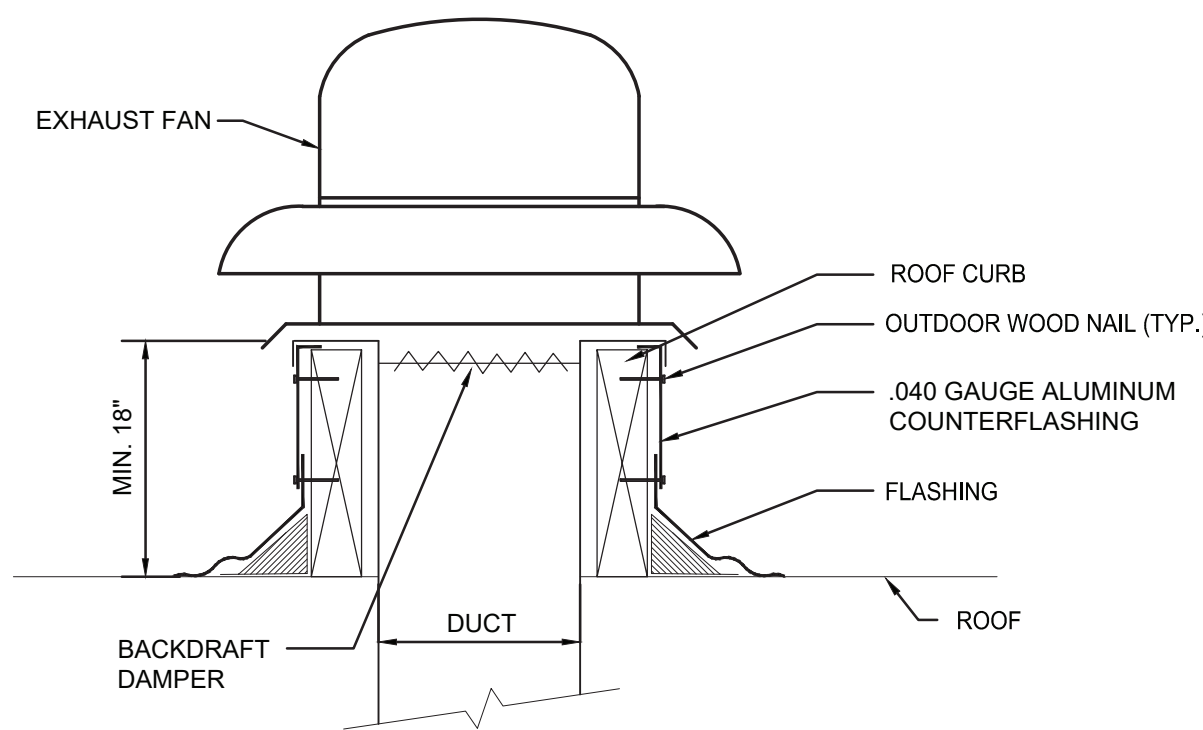
EQUIPMENT SUPPORT DETAIL

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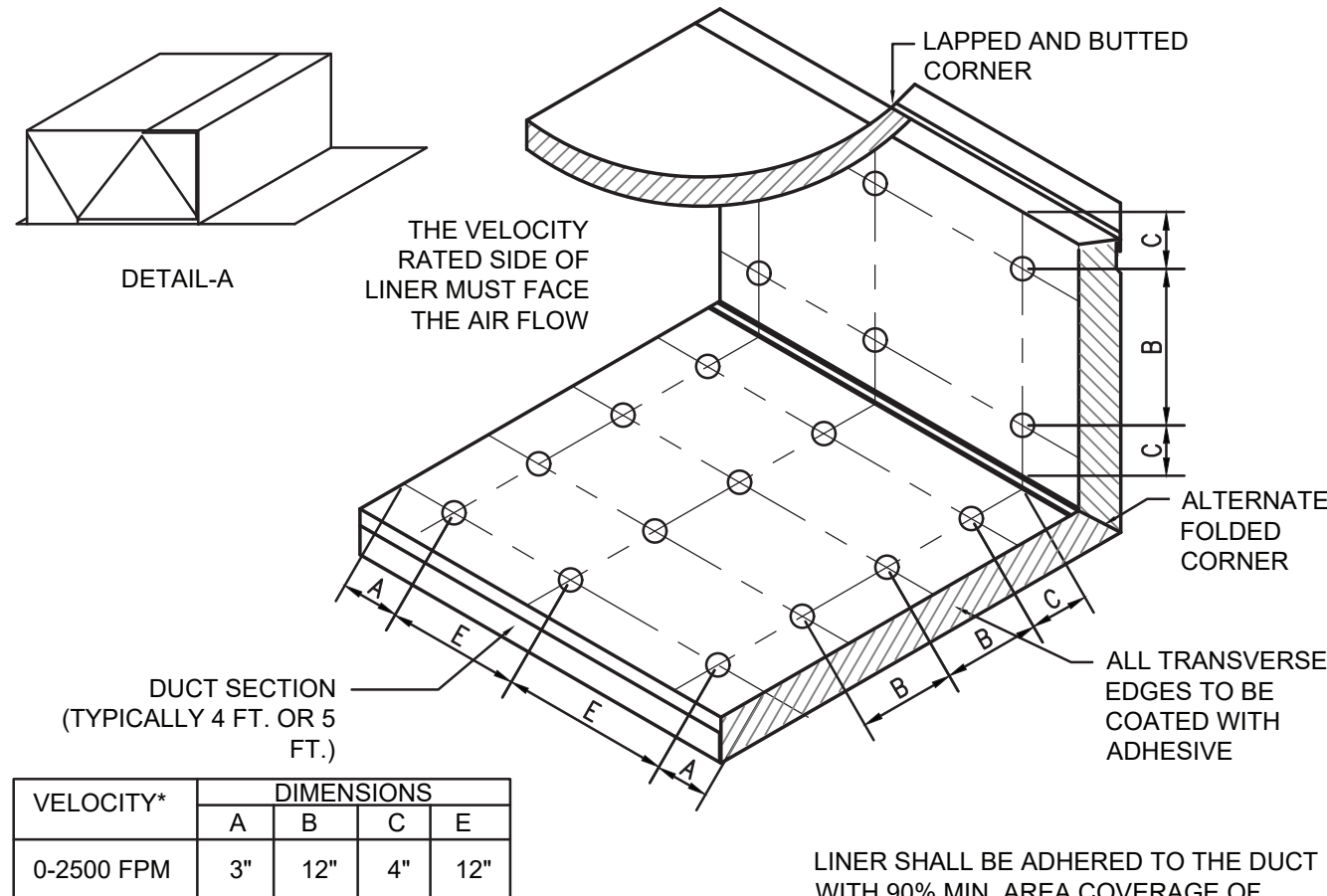
DUCT PENETRATION ROOF CURB DETAIL

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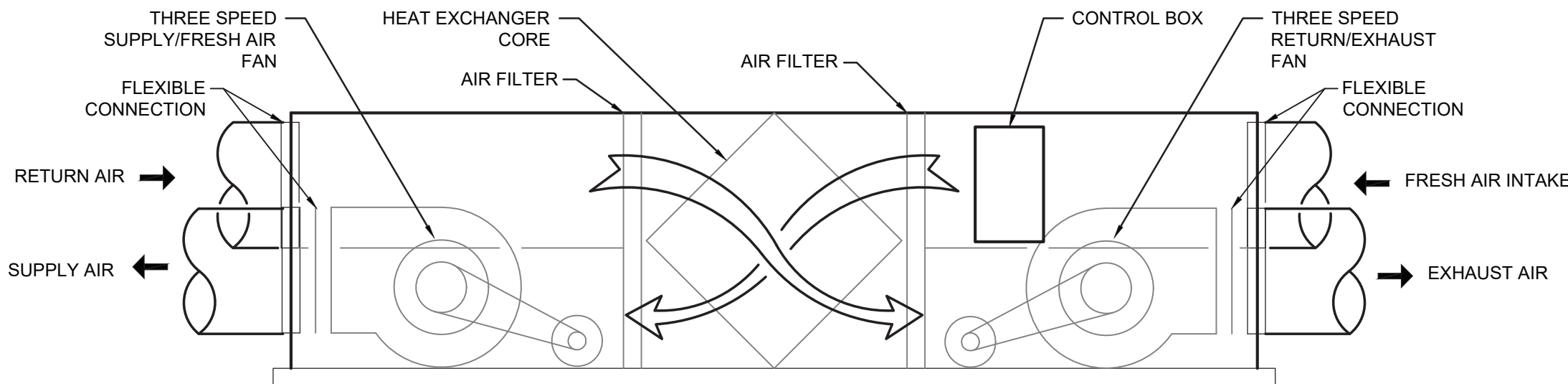
ROOF EXHAUST FAN DETAIL

NOT TO SCALE



DUCT LINER INSULATION DETAIL

NOT TO SCALE



LOW PROFILE HEAT RECOVERY UNIT DETAIL

NOT TO SCALE