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CABINET UNIT HEATER SCHEDULE

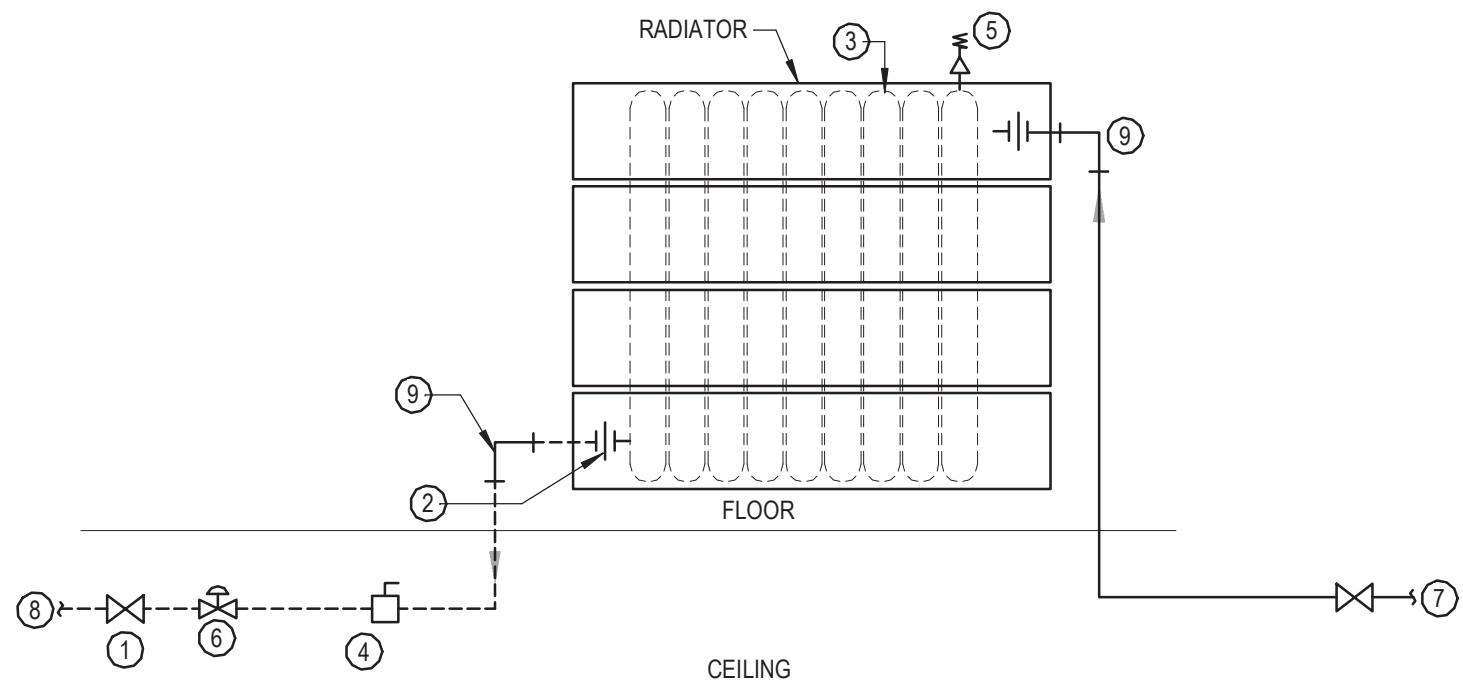
1. PROVIDE WITH ECM MOTOR WITH CONTROL BOARD, 3 SPEED SWITCH AND SERVICE SWITCH, DPST SERVICE SWITCH, AND ALUMINUM GRILLES

Mark	LOCATION	CFM	FAN MOTORS RPM VOLTS PH	AMPS	HP	CAPACITY (MBH)	TEMP EWT	TEMP LWT	WPD (FT)	GPM	TYPE	BASIS OF DESIGN MANUFACTURER AND MODEL	REMARKS
CUH-HE-1	LOWER LEVEL BOYS TOILET	230	1,050 120 1	0.45 A	1/15	14.0	180 °F	160 °F	0.06	0.84	RECESSED CEILING	STERLING RC-1200-02	1

HEATING WATER RADIATION SCHEDULE

1. PROVIDE WITH SAME END SERIES PIPING CONNECTIONS (SUPPLY AND RETURN CONNECTIONS ON SAME SIDE OF RADIATOR).
2. PROVIDE WITH OPPOSITE END SERIES PIPING CONNECTIONS (SUPPLY AND RETURN CONNECTIONS ON OPPOSITE SIDES OF RADIATOR).
3. PROVIDE WITH HIGH PRESSURE RATED RADIATORS.
4. PROVIDE WITH POST MOUNTS AS REQUIRED FOR FLOOR MOUNTING RADIATORS.
5. PROVIDE WITH APPROPRIATE WALL MOUNTING BRACKETS FOR WALL MOUNTING OF RADIATOR.

Mark	CAPACITY (BTUHR PER LINEAL FOOT)	AVERAGE WATER TEMP.	EAT	HEIGHT	SIZE DEPTH	FLOW RATE (GPM)	SIZE LENGTH	WATER PRESSURE DROP	FINS PER FOOT	BASIS OF DESIGN MFG. AND MODEL	REMARKS
R-HE-1	1,141	175.0 °F	65 °F	14.38 in	2.38 in	0.680	3'-0"	0.08 Feet	32	RUNTAL UFL1-5	2,3.5

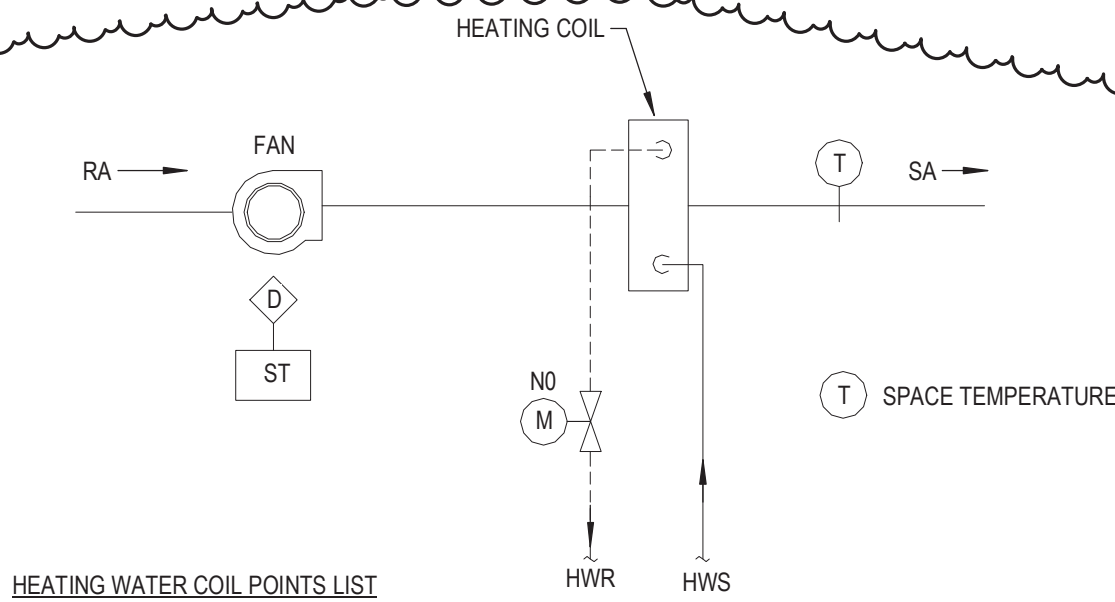


- 1 SHUT-OFF VALVE (TYP)
- 2 UNION (TYP)
- 3 FIN ELEMENT
- 4 BALANCE VALVE
- 5 AIR VENT
- 6 2-WAY MODULATING CONTROL VALVE
- 7 HWS
- 8 HWR
- 9 EXPANSION COMPENSATOR

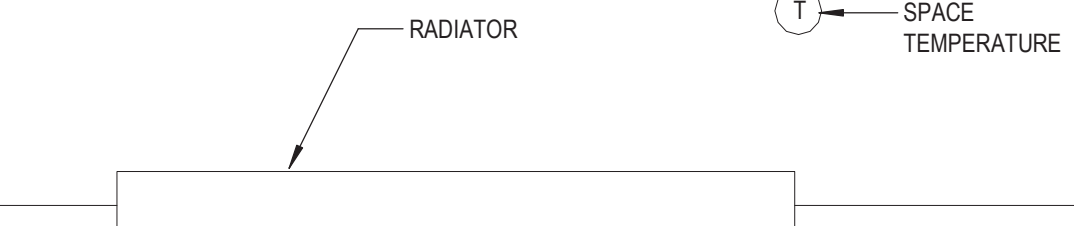
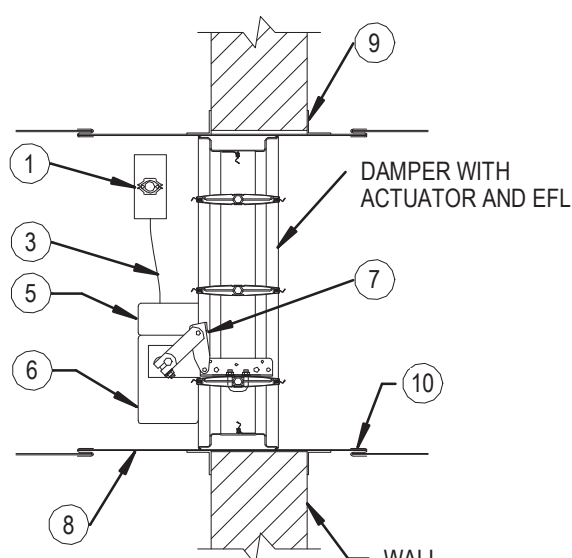
NOTE:

1. DETAIL FOR PIPING TO RADIATION PIPED FROM BELOW TO OPPOSITE END CONNECTIONS ON RADIATOR.

G18 HOT WATER FLOOR RADIATION DETAIL NOT TO SCALE



- ITEM DESCRIPTION
- 1 EFL ELECTRIC RESET LINK
- 2 CONTROL SWITCH (OPTIONAL)
- 3 FLEX CONDUIT
- 4 DAMPER FRAME
- 5 JUNCTION BOX
- 6 ACTUATOR
- 7 OVER CENTER LINK
- 8 SLEEVE
- 9 PFMA OR CONVENTIONAL MOUNTING ANGLES
- 10 SLEEVE TO DUCT CONNECTION (BY OTHERS)

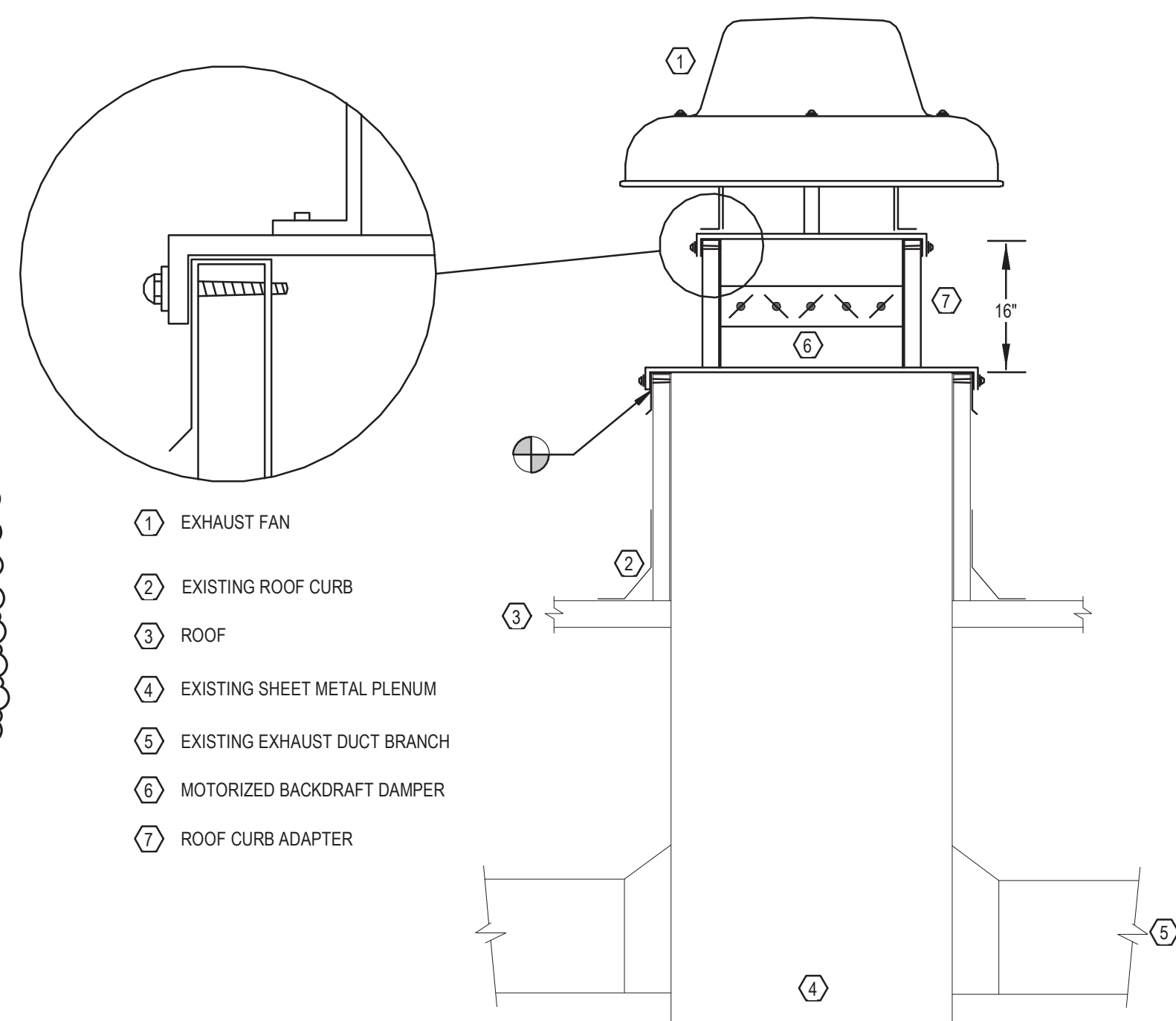


FIN TUBE RADIATION/WALL RADIATOR POINTS LIST

ITEM	DIGITAL INPUT	DIGITAL OUTPUT	ANALOG INPUT	ANALOG OUTPUT	NOTES
HEATING CONTROL VALVE					
SPACE TEMPERATURE			X		T, A

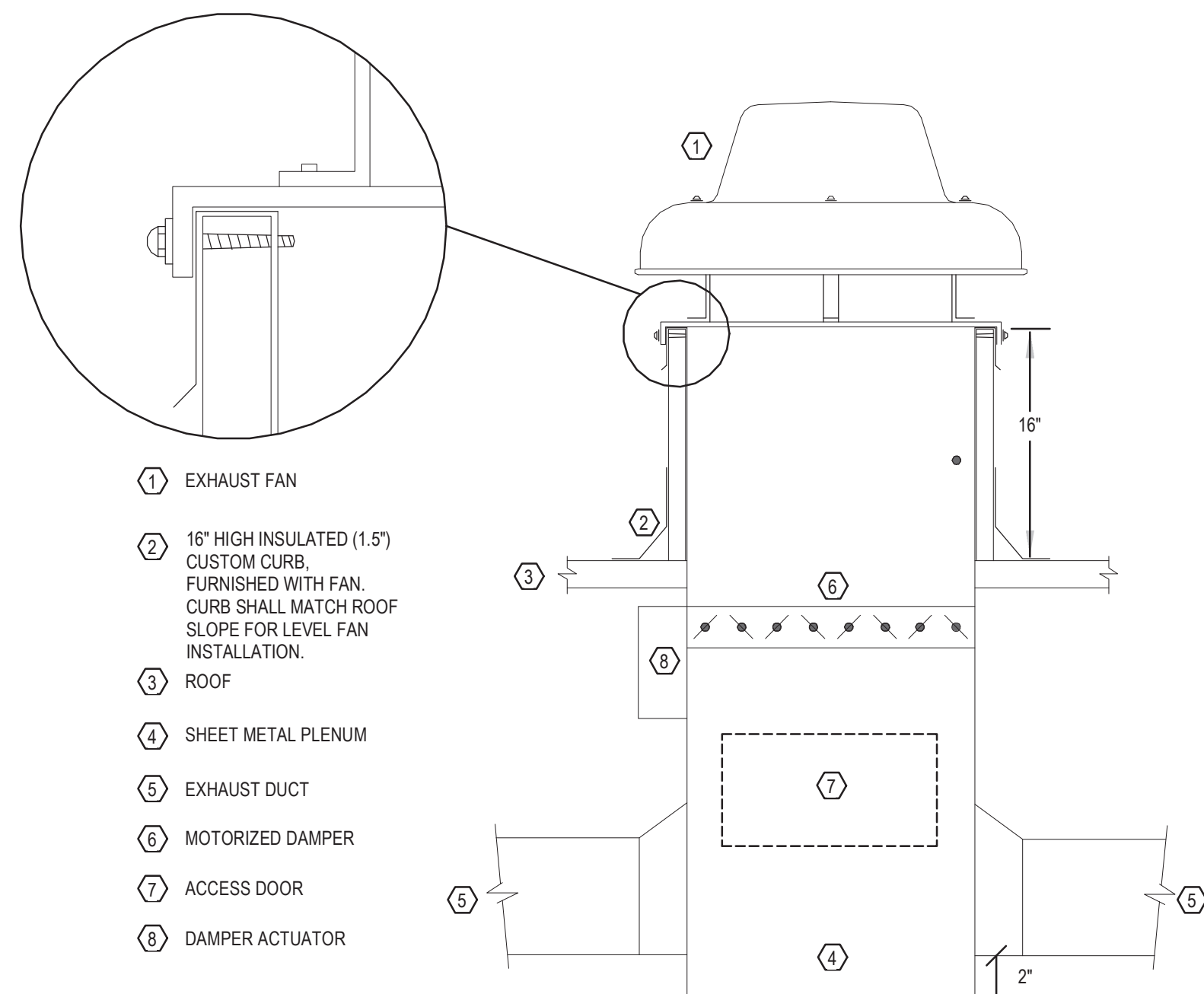
D9 FLOOR HEATING RADIATION CONTROL DIAGRAM NOT TO SCALE

E8 NON-GREASE APPLICATION EXHAUST FAN DETAIL - EXISTING ROOF PENETRATION NOT TO SCALE



- 1 EXHAUST FAN
- 2 16" HIGH INSULATED (1.5") CUSTOM CURB FURNISHED WITH FAN CURB SHALL MATCH ROOF SLOPE FOR LEVEL FAN INSTALLATION.
- 3 ROOF
- 4 SHEET METAL PLENUM
- 5 EXHAUST DUCT
- 6 MOTORIZED DAMPER
- 7 ACCESS DOOR
- 8 DAMPER ACTUATOR

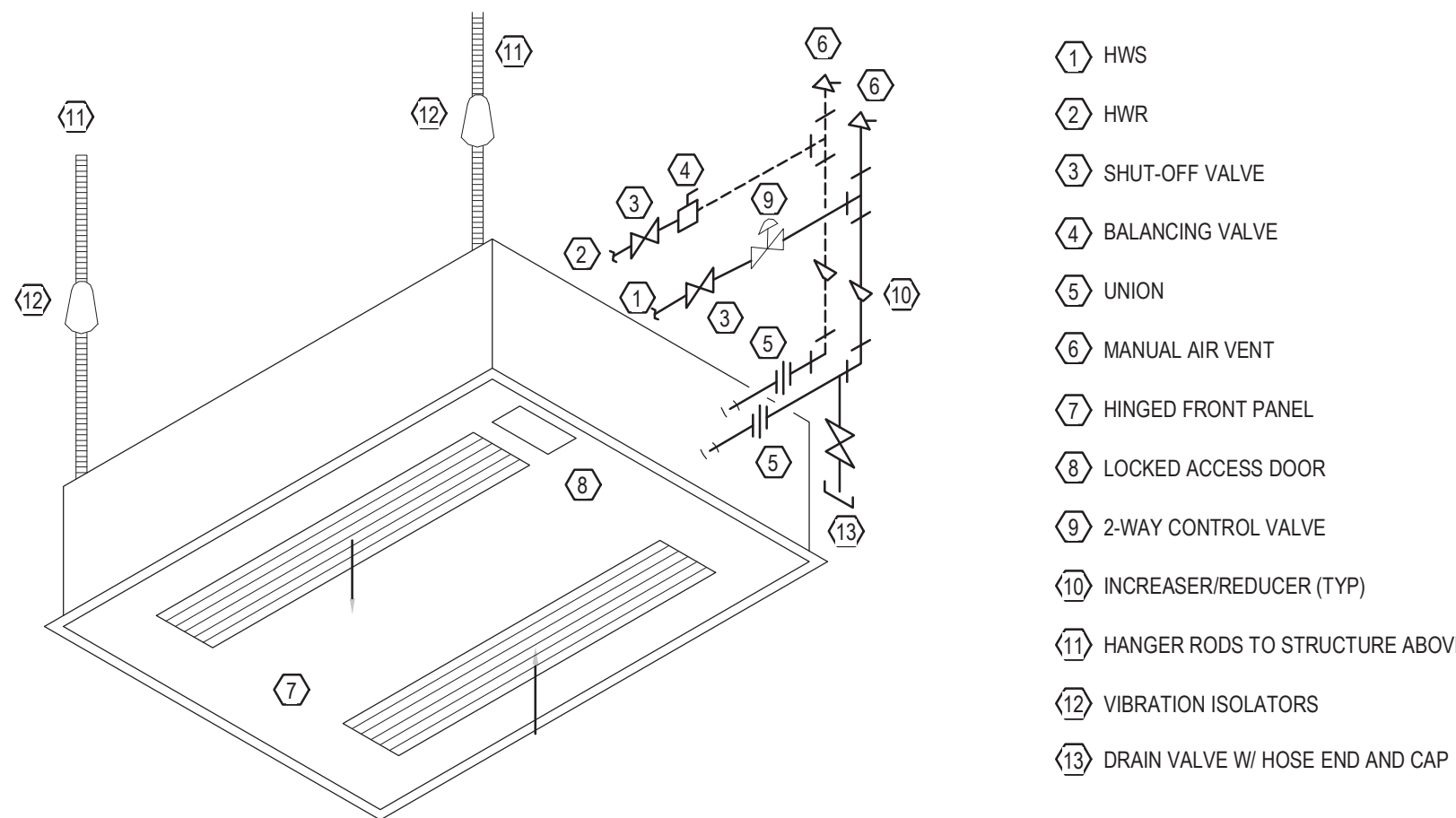
A8 NON-GREASE APPLICATION EXHAUST FAN DETAIL - NEW SINGLE ROOF PENETRATION NOT TO SCALE



KITCHEN GENERAL EXHAUST FAN F-HS-1 POINTS LIST

ITEM	DIGITAL INPUT	DIGITAL OUTPUT	ANALOG INPUT	ANALOG OUTPUT	LOCAL INTERLOCK	NOTES
FAN START/STOP		X				RT, T
FAN STATUS						A
EXHAUST AIR DAMPER	X		X			T

D18 CABINET UNIT HEATER CONTROL DIAGRAM NOT TO SCALE



- 1 HWS
- 2 HWR
- 3 SHUT-OFF VALVE
- 4 BALANCING VALVE
- 5 UNION
- 6 MANUAL AIR VENT
- 7 HINGED FRONT PANEL
- 8 LOCKED ACCESS DOOR
- 9 2-WAY CONTROL VALVE
- 10 INCREASER/REDUCER (TYP)
- 11 HANGER RODS TO STRUCTURE ABOVE
- 12 VIBRATION ISOLATORS
- 13 DRAIN VALVE W HOSE END AND CAP

A18 CEILING CABINET UNIT HEATER INSTALLATION DETAIL NOT TO SCALE

A13 EXHAUST FAN CONTROL DIAGRAM NOT TO SCALE

ARCHITECT

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Construction Manager

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www.jacobs.com



NUFSD BOND PROJECT PHASE 5 - HIGHVIEW

SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
SED#50-01-08-03-7-001-002 (Maintenance)
SED#50-01-08-03-7-012-004 (OEC)
SED#50-01-08-03-0-020-020 (MILLER ES)
SED#50-01-08-03-0-004-022 (BARR MG)

Highview Elementary School
24 Highview Ave
Nanuet, NY 10954

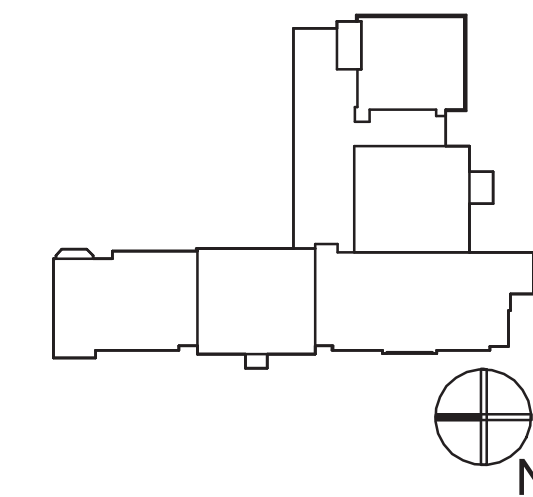
OEC Building
135 Convent Rd
Nanuet, NY 10954

Maintenance Building
103 Church St.
Nanuet, NY 10954

Miller Elementary School
50 Blauvelt Rd Unit 1
Nanuet, NY 10954

A MacArthur Barr Middle School
143 Church St
Nanuet, NY 10954

KEY PLAN



REVISIONS

No.	Description	Date
1	SED ADD 1	11/06/24

ISSUED: BID SET

DATE: 06/21/2024

SCALE: As indicated

SHEET NAME:

SCHEDULES, DETAILS,

AND CONTROL

DIAGRAMS

SHEET NUMBER:

HE-M002

ISSUE FOR BID SET