MULTI-ZONE INVERTER HEAT PUMP SCHEDULE

1.PROVIDE HEAT PUMP WITH MODEL QSTD3000 18" HIGH STAND AND MOUNT HEAT PUMP STAND ON TOP OF EXISTING EXTERIOR CONCRETE PAD. PROVIDE HEAT PUMP WITH DRAIN PAN HEATER AND INTAKE AND OUTLET SNOW HOODS.
2.PROVIDE EACH INDOOR UNIT WITH INLINE CONDENSATE PUMP (MODEL DACA-CP1-1) THAT FITS INSIDE THE FCU AND IS WIRED FROM THE INDOOR UNIT'S POWER SOURCE AND WIRED CONTROLLER (MODEL BRC944B2).
3.PROVIDE POWER CONNECTION AND ALL REQUIRED WIRING FOR INDOOR UNIT FROM OUTDOOR UNIT POWER SOURCE. PROVIDE ALL REQUIRED CONTROL WIRING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS BETWEEN OUTDOOR UNIT, INDOOR UNITS AND WIRED CONTROLLERS. PROVIDE WIRING FROM INDOOR FAN COIL UNIT TO INLINE CONDENSATE PUMP.

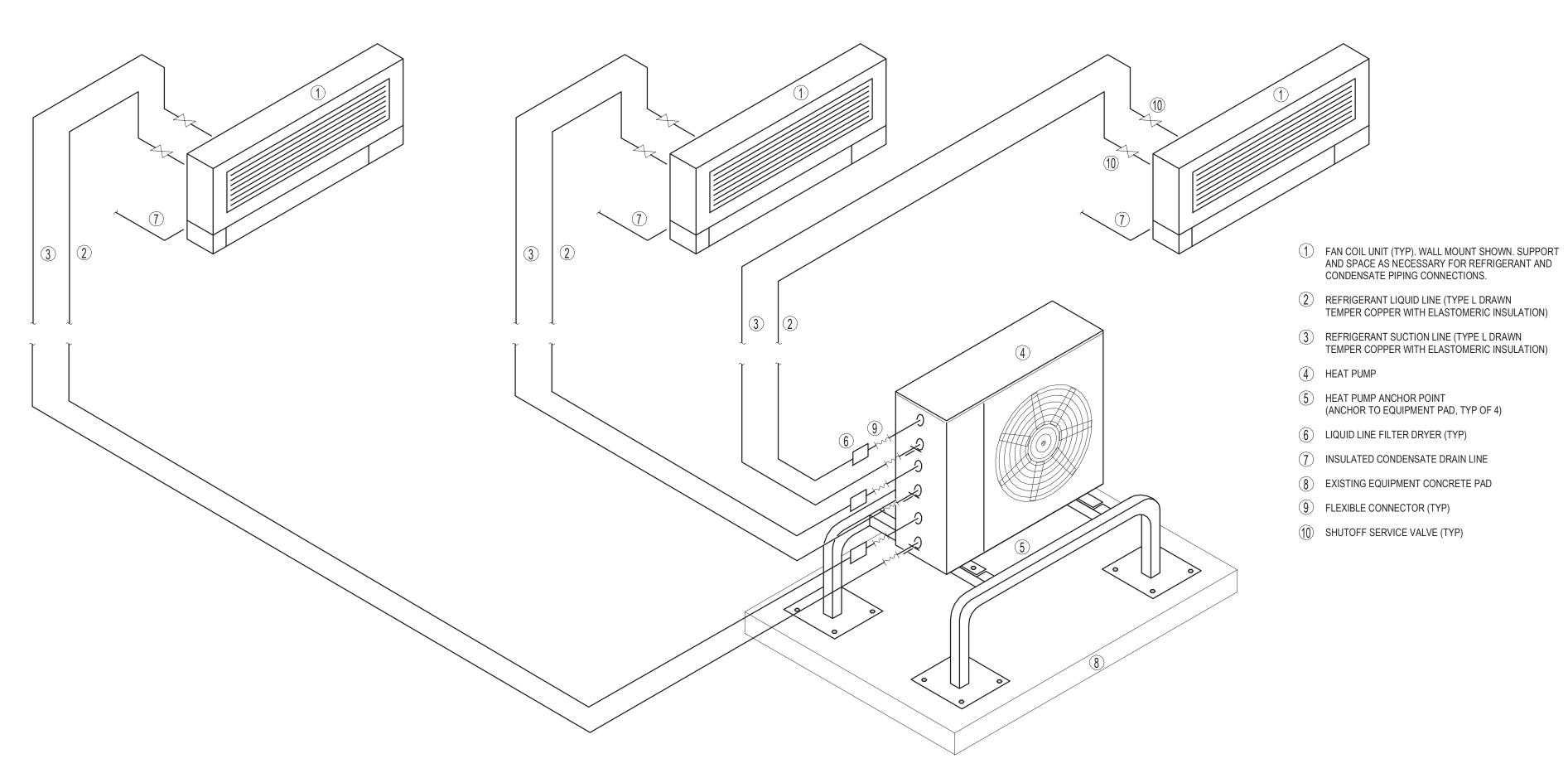
			COOLING		CFM			ELECTRICAL DATA						BASIS OF DESIGN MFG. AND	
Mark	SERVICE	DESCRIPTION	CAPACITY	CAPACITY HEATING	н	MID	LO	VOLTS	PHASE	HERTZ	RATED RUNNING AMPS	RATED POWER CONSUMPTION	WEIGHT	MODEL MODEL	
FCU-MB-1	SECY'S 405	WALL MOUNTED	9,000 Btu/h	9,000 Btu/h	381	279	194	208 V	1	60 Hz	0.11 A	21 W	20 lb	DAIKIN FTXS09LVJU	
FCU-MB-2	OFFICE 401	WALL MOUNTED	18,000 Btu/h	18,000 Btu/h	583	484	385	208 V	1	60 Hz	0.32 A	38 W	31 lb	DAIKIN FTXS18LVJU	
FCU-MB-3	MAINTENANCE BREAK AREA	WALL MOUNTED	9,000 Btu/h	9,000 Btu/h	381	279	194	208 V	1	60 Hz	0.11 A	21 W	20 lb	DAIKIN FTXS09LVJU	

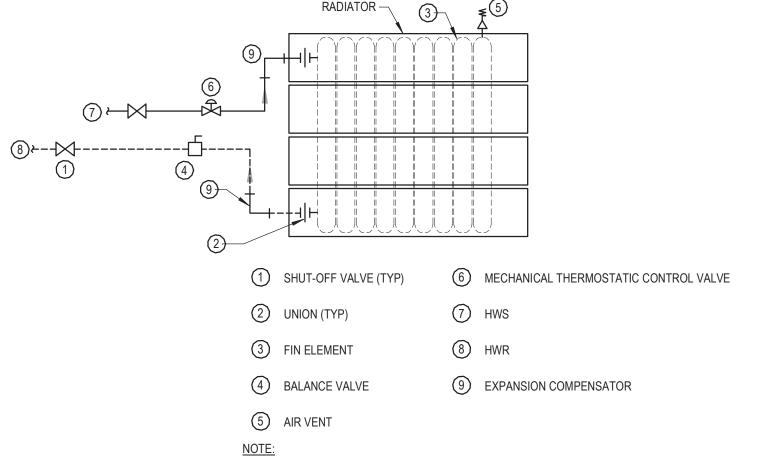
	Mark	COOLING OPERATING RANGE (DEGREE F DB)		CAPACITY HEATING (@ 5 DEGRESS F DB)	CAPACITY COOLING	VOLTS PH MCA MFA		REFRIGERANT	REFRIGERANT SEER	REFRIGERANT HSPF	WEIGHT	BASIS OF DESIGN MFG. AND MODEL	REMARKS		
\neg	HP-MB-1	14-115	-13-60	21,700 Btu/h	24,000 Btu/h	208	1	22.6	25	R-410A	18	12.5	140 lb	DAIKIN 3MXL24RMVJU	1,2,3
	•	•				•				•	•			•	

VERTICAL RADIATOR SCHEDULE

PROVIDE WITH SAME END SERIES PIPING CONNECTIONS (SUPPLY AND RETURN CONNECTIONS ON SAME SIDE OF RADIATOR).
 PROVIDE WITH OPPOSITE END SERIES PIPING CONNECTIONS (SUPPLY AND RETURN CONNECTIONS ON OPPOSITE SIDES OF RADIATOR).
 PROVIDE WITH TYPE C LEFTHAND SUPPLY CONNECTIONS AND STANDARD, STRAIGHT MECHANICAL THERMOSTATIC CONTROL VALVE.

- 1											
		CAPACITY (BTU/HR	ACITY (BTU/HR AVERAGE			FLOW RATE		WATER	BASIS OF DESIGN MFG.		
	Mark	PER LINEAL FOOT)	WATER TEMP.	HEIGHT	SIZE DEPTH	(GPM)	SIZE LENGTH	PRESSURE DROP	AND MODEL	REMARKS	
	R-MB-1	998	170.0 °F	4.0 ft	2.0 in	0.5	1' - 11 1/8"	0.03 Feet	RUNTAL RV-8	3	
	R-MB-2	748	170.0 °F	3.0 ft	2.0 in	0.5	1' - 5 1/4"	0.04 Feet	RUNTAL RV-6	3	
I	R-MB-3	748	170.0 °F	3.0 ft	2.0 in	0.5	1' - 5 1/4"	0.04 Feet	RUNTAL RV-6	3	





DETAIL FOR PIPING TO RADIATION PIPED FROM THE SIDE TO SAME END CONNECTIONS ON RADIATOR.

HOT WATER RADIATION PANEL DETAIL
NOT TO SCALE

6/19/2024 2:52:34 PM

A12 DUCTLESS MULTI-SPLIT DETAIL WITH WALL MOUNTED FAN COIL UNIT

ARCHITECT

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NUFSD BOND PROJECT PHASE 5 -MAINTENANCE

□ SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
■ SED#50-01-08-03-7-007-002 (Maintenance)
□ SED#50-01-08-03-7-012-004 (OEC)
□ SED#50-01-08-03-0-001-026 (MILLER ES)
□ SED#50-01-08-03-0-004-022 (BARR MS)

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 Unit1
Nanuet, NY 10954

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

REVISIONS

KEY PLAN

No. Description Date

ISSUED: BID SET

DATE: 06/21/2024

SCALE: NOT TO SCALE

SHEET NAME:

HVAC SCHEDULES AND
DETAILS

SHEET NUMBER:

MB-M002