ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT

TAG	DESCRIPTION	VOLTS	PH	LOAD	MCA	MOPD	DISCONNECT SWITCH					STARTER (NEMA)		CONTROL WIRING BY DIV	PANEL	WIRING IN CONDUIT	NOTES
							FRAME	POLES	FUSE	NEMA ENCL	FBD	SIZE/ VFD	FBD				
CU-1	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G,3/4"C	3
	INDOOR UNIT HP1-1	208	1		1												3
	INDOOR UNIT HP1-2	208	1		1												3
	INDOOR UNIT HP1-3	208	1		1												3
CU-2	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP2-1	208	1		1												3
	INDOOR UNIT HP2-2	208	1		1												3
CU-3	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	-	-	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP3-1	208	1		1												3
	INDOOR UNIT HP3-2	208	1		1												3
	INDOOR UNIT HP3-3	208	1		1												3
CU-4	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP4-1	208	1		1												3
	INDOOR UNIT HP4-2	208	1		1												3
	INDOOR UNIT HP4-3	208	1		2.63												3
CU-5	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP5-1	208	1		1												3
	INDOOR UNIT HP5-2	208	1		3.3												3
CU-6	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP6-1	208	1		1												3
	INDOOR UNIT HP6-2	208	1		1												3
	INDOOR UNIT HP6-3	208	1		1												3
CU-7	CONDENSING UNIT	208	1		30	40	60	2	40	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP7-1	208	1		1												3
	INDOOR UNIT HP7-2	208	1		1												3
	INDOOR UNIT HP7-3	208	1		1												3
CU-8	CONDENSING UNIT	208	1		30	40	60	2	40	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP8-1	208	1		1												3
	INDOOR UNIT HP8-2	208	1		1												3
	INDOOR UNIT HP8-3	208	1		1												3
CU-9	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP9-1	208	1		1												3
	INDOOR UNIT HP9-2	208	1		1												3
	INDOOR UNIT HP9-3	208	1		1												3
	INDOOR UNIT HP9-4	208	1		1												3
CU-10	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP10-1	208	1		2.63												3
	INDOOR UNIT HP10-2	208	1		3.3												3
CU-11	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP11-1	208	1		2.63												3
	INDOOR UNIT HP11-2	208	1		1												3
	INDOOR UNIT HP11-3	208	1		1												3
	INDOOR UNIT HP11-4	208	1		1												3
CU-12	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP12-1	208	1		2.63												3
	INDOOR UNIT HP12-2	208	1		1												3
	INDOOR UNIT HP12-3	208	1		1												3
CU-13	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP13-1	208	1		3.3												3
	INDOOR UNIT HP13-2	208	1		2.63												3
CU-14	CONDENSING UNIT	208	1		42	50	60	2	50	3R	26	-	-	23	S21	(2)#8+(1)#10G, 3/4"C	3
	INDOOR UNIT HP14-1	208	1		2.63												3
	INDOOR UNIT HP14-2	208	1		1												3
	INDOOR UNIT HP14-3	208	1		1												3

	NOTES:
1	LEAD/LAG
2	DUCT SMOKE DETECTORS FURNISHED BY DIVISION 26, INSTALLED BY DIVISION 23, WIRED TO FIRE ALARM BY DIVISION 26.
3	POWER TO CU BY DIVISION 26, WIRING BETWEEN AC AND CU PROVIDED BY DIVISION 23
4	WIRE AND CONNECT MOTORIZED DAMPER AT EXHAUST FAN. CONNECT DAMPER TO SAME BRANCH CIRCUIT THAT SUPPLIES FAN.
5	UNIT IS CONSISTS OF MULTIPLE MOTORS FACTORY WIRED FOR SINGLE-POINT POWER CONNECTION.
6	CORD AND PLUG FURNISHED WITH EQUIPMENT

	ABBREVIATIONS:
FWE	FURNISHED WITH EQUIPMENT
NF	NOT FUSED
SWBD	SWITCHBOARD
FBD	FURNISHED BY DIVISION
CBD	CONTROL WIRING BY DIVISION

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT

TAG	DESCRIPTION	VOLTS	PH	LOAD	MCA	MOPD	DISCONNECT SWITCH					STARTER (NEMA)			PANEL	WIRING IN CONDUIT	NOTES
							FRAME	POLES	FUSE	NEMA ENCL	FBD	SIZE/ VFD	FBD	CBD			
ERU-1	ENERGY RECOVERY UNIT	208	1		11.5	15			FWE			VFD	FWE	23	S22	(2)#12+(1)#12G, 1/2"C	
ERU-2	ENERGY RECOVERY UNIT	208	1		11.5	15			FWE			VFD	FWE	23	S22	(2)#12+(1)#12G, 1/2"C	
ERU-3	ENERGY RECOVERY UNIT	208	1		11.5	15			FWE			VFD	FWE	23	S22	(2)#12+(1)#12G, 1/2"C	
ERU-4	ENERGY RECOVERY UNIT	208	1		11.5	15			FWE			VFD	FWE	23	S22	(2)#12+(1)#12G, 1/2"C	
WH-1	ELECTRIC WATER HEATER	208	3	12KW/33.3A			60	3	50	1	26	-	-	23	S21	(3)#8+(1)#10G, 3/4"C	
EH-1	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-2	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-3	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-4	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-5	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-6	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-7	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-8	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-9	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-10	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
EH-11	ELECTRIC HEATER	208	1	3KW/11.2A					FWE			-	-	23	S22	(2)#12+(1)#12G, 1/2"C	
DC-1	ELECTRIC DUCT HEATING COIL	208	3	7.7KW/20.8A					FWE			-	-	23	P22	(3)#10+(1)#12G, 1/2"C	
DC-2	ELECTRIC DUCT HEATING COIL	208	3	7.8KW/17.5A					FWE			-	-	23	P22	(3)#10+(1)#12G, 1/2"C	
DC-3	ELECTRIC DUCT HEATING COIL	208	3	6.4KW/15A					FWE			-	-	23	P22	(3)#12+(1)#12G, 1/2"C	
DC-4	ELECTRIC DUCT HEATING COIL	208	3	7.6KW/17A					FWE			-	-	23	P22	(3)#12+(1)#12G, 1/2"C	
CU-AC-1	SPLIT AC CONDENSING UNIT	208	1		18	30A	60	2	30	3R	26	-	-	23	S22	(3)#10+(1)#12G, 1/2"C	
AC-1	SPLIT AC INDOOR UNIT	208	1		1	-	-	-	-	-	-	-	-	-	-		3
RCP-1	DHW RECIRC PUMP	120	1	1/20 HP			20	1	NF	1	26	-	-	22	S22	(2)#12+(1)#12G, 1/2"C	

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PORTLAND TECHNOLOGY PARK
RAND ROAD, PORTLAND, ME

SEAL:

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ELECTRICAL SCHEDULES

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