ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

GENERAL NOTES:
A. ALL DEVICES PROVIDED BY THE DIVISION 26 CONTRACTOR.
B. ITEM NUMBER INDICATES EQUIPMENT NUMBER
C. ALL DEVICES SHALL BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
D. PROVIDE OVERLOADS, SIZE AS REQUIRED, BY THE DIVISION 22/23 CONTRACTOR.
E. "AU" INDICATES CONTROL DEVICES IS LOCATED AT THE UNIT.
F. "NF" INDICATES NON-FUSED.
G. "IU" INDICATES INTEGRAL WITH UNIT.

EQUIPMENT								POWER SOURCE, PROTECTION & WIRING							CONTROL DEVICES AS SHOWN ON THE PLANS BY ITEM DESIGNATION																											
ITEM ID	NAME	ROOM LOCATION	HP	KW	PHASE	SYSTEM VOLTS	MCA or SYSTEM AMPS	PANEL or CONTROL CENTER	CIRCUIT BREAKER or "FU" FOR FUSE	POWER WIRING FROM PANEL TO CONTROL UNIT			POWER WIRING FROM CONTROL UNIT TO EQUIPMENT			NEMA SIZE STARTER	NEMA TYPE	MANUAL MOTOR STARTER	MANUAL MOTOR STARTER WITH RELAY	MAGNETIC STARTER	COMBINATION MAGNETIC STARTER	COMBINATION REDUCED VOLTAGE STARTER	COMBINATION STARTER MP/FUSE (F) SIZE	ADJUSTABLE SPEED DRIVE	ADJUSTABLE SPEED DRIVE WITH BYPASS	ADJUSTABLE SPEED DRIVE WITH REDUNDANT ASD	PACKAGED CONTROL UNIT INTERLOCKED BY OTHERS	DUPLEX PUMP CONTROLLER BY OTHERS	FIRE ALARM FAN SHUTDOWN REQUIRED	SUPPLY DUCT SMOKE DETECTOR W/ REMOTE TEST STATION	RETURN DUCT SMOKE DETECTOR W/ REMOTE TEST STATION	EXHAUST DUCT SMOKE DETECTOR W/ REMOTE TEST STATION	THERMOSTAT CONNECTION	AQUASTAT CONNECTION	MOTORIZED DAMPER CONNECTION	START/STOP PUSHBUTTONS	HAND/OFF/AUTO SELECTOR SWITCH	CONTROL DEVICE LOCATION	SAFETY SWITCH					ITEM ID
																																							SWITCH AMPS	FUSE SIZE	LOC.	WEATHER PROOF	REF. NOTES	
										PHASE	GROUND	CONDUIT	PHASE	GROUND	CONDUIT																													
UH-1	UNIT HEATER	VARIOUS		0.05	1	120	0.4	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			UH-1
EF-A	EXHAUST FAN	TYPICAL BATHROOMS		0.05	1	120	0.4	LC	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			EF-A
EF-B	EXHAUST FAN	TYPICAL KITCHENS		0.05	1	120	0.4	LC	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			EF-B
B-1	BOILER	MECHANICAL ROOM			1	120	2.7	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			B-1
B-2	BOILER	MECHANICAL ROOM			1	120	2.7	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			B-2
B-3	BOILER	MECHANICAL ROOM			1	120	2.7	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			B-3
CU-1	CONDENSING UNIT	MECHANICAL ROOM			1	208	15.5	L2	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C																								AU	30	NF	AU		1	CU-1
DSS-1A	DUCTLESS SPLIT SYSTEM	VARIOUS			1	208	1.0	LC		2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU		1	DSS-1A
DSS-1B	DUCTLESS SPLIT SYSTEM	VARIOUS			1	208	1.0	LC		2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU		1	DSS-1B
DSS-2A	DUCTLESS SPLIT SYSTEM	VARIOUS			1	208	1.0	LC		2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU		1	DSS-2A
DSS-2B	DUCTLESS SPLIT SYSTEM	VARIOUS			1	208	1.0	LC		2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU		1	DSS-2B
DSS-3A	DUCTLESS SPLIT SYSTEM	VARIOUS			1	208	1.0	LC		2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU		1	DSS-3A
ACCU-1	AIR COOLED CONDENSING UNIT	EXTERIOR			1	208	15.8	LC	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU	WP	3	ACCU-1
ACCU-2	AIR COOLED CONDENSING UNIT	EXTERIOR			1	208	15.8	LC	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU	WP	3	ACCU-2
ACCU-3	AIR COOLED CONDENSING UNIT	EXTERIOR			1	208	8.8	LC	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU	WP	3	ACCU-3
DHW-2	WATER HEATER	MECHANICAL ROOM			1	120	5.0	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			DHW-2
DHW-3	WATER HEATER	MECHANICAL ROOM			1	120	5.0	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			DHW-3
RP-2	DOMESTIC HW PUMP	MECHANICAL ROOM		0.05	1	120	0.4	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			RP-2
SP-1	SUMP PUMP	MECHANICAL ROOM			1	120	10.0	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			SP-1
CUH-1	CABINET UNIT HEATER	VARIOUS	1/8		1	120	3.9	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C			X																					AU	30	NF	AU			CUH-1
PTAC-1	HEATING/AIR CONDITIONING	APT		3.6	1	230	4.6	LC	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			PTAC-1
PTAC-2	HEATING/AIR CONDITIONING	APT		5	1	230	6.0	LC	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			PTAC-2
P-1	PUMP	MECHANICAL ROOM	3		3	208	10.6	L2	30/3	3#12	1#12 EG	1/2"C	3#12	1#12 EG	1/2"C																					X		AU	30	NF	AU			P-1
P-2	PUMP	MECHANICAL ROOM	3		3	208	10.6	L2	30/3	3#12	1#12 EG	1/2"C	3#12	1#12 EG	1/2"C																					X		AU	30	NF	AU			P-2
P-3	PUMP	MECHANICAL ROOM	3		3	208	10.6	L2	30/3	3#12	1#12 EG	1/2"C	3#12	1#12 EG	1/2"C																					X		AU	30	NF	AU			P-3
SP-4	SUMP PUMP	MECHANICAL ROOM			1	120	10.0	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU		1	SP-4
P-5	PUMP	MECHANICAL ROOM		0.06	1	120	0.5	L2	20/1	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			P-5
BP-1	BOILER PUMP	MECHANICAL ROOM		1	1	208	4.8	L2	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			BP-1
BP-2	BOILER PUMP	MECHANICAL ROOM		1	1	208	4.8	L2	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			BP-2
BP-3	BOILER PUMP	MECHANICAL ROOM		1	1	208	4.8	L2	20/2	2#12	1#12	1/2"C	2#12	1#12	1/2"C													X									AU	30	NF	AU			BP-3

REFERENCE NOTES:

1. INDOOR UNIT IS FED FROM OUTDOOR UNIT.
2. CONNECT TO NEAREST HOUSE PANEL. PROVIDE UP TO FIVE (5) PER CIRCUIT.
3. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL TO MATCH EXISTING.

PANELBOARD SCHEDULE

PANEL INFORMATION		TYPE		VOLTAGE RATING			BUS RATING	MAIN AMPERE RATING			KAIC (RMS SYM)	MOUNT		BRANCH CIRCUIT DEVICES					TOTAL NO. OF CIRCUITS	NOTES
NAME	ROOM LOCATION	DIST.	BRANCH CIR.	VOLT	PHASE	WIRE		MLO	MCB	MFS		F	S	QUANTITY ACTIVE	QUANTITY SPARE	QUANTITY SPACE	TRIP / FUSE SIZE-FU	POLES		
L2	MECH		X	208/120	3	4	225	150			10k		X	14	2		20A	1	42	
														4			20A	2		
														4			30A	3		
														2			45A	3		
LC	TENANT SPACES		X	240/120	1	3	150	100			10k	X		15	11		20A	1	30	1
														1	1		20A	2		

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PANELBOARD SCHEDULE NOTES:

1. PROVIDE QUANITY OF CIRCUIT BREAKERS PER PLANS CIRCUITING.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MFR. & CATALOG No.	LAMP	VOLTAGE/BALLAST	MOUNTING	REFERENCE NOTES
L1	SURFACE MOUNTED INTERIOR 11" DIAMETER	PROGRESS LIGHTING MODEL: P2304 - 3030K9	LED	120V	SURFACE	1,2
L2	BATHROOM WALL MOUNTED SCONCE	PROGRESS LIGHTING MODEL: P2093 - 0930K9	LED	120V	SURFACE	1,2
L3	1'x4' SURFACE MOUNTED 1'X4' WITH INTEGRAL OCCUPANCY SENSOR WITH HI/LOW TRIM	DAY-BRITE MODEL: FSW-4-40L-835-UNV-DIM-LSXR10ADC	LED	120V	SURFACE	1,2
L4	SURFACE MOUNTED INTERIOR LED 7-1/2"	PROGRESS LIGHTING MODEL: P3408 - 0930K9	LED	120V	SURFACE	1,2
L5	EXTERIOR LED WALL MOUNTED SCONCE WITH INTEGRAL PHOTOCELL	PROGRESS LIGHTING MODEL: P6056 - 3130K9	LED	120V	SURFACE	1,2
L6	6" RECESSED WET LOCATION DOWNLIGHT	LIGHTOLIER MODEL: L6R-15-R-E-1-VA-L6R-15-8-35-VA-L6R-D-D	LED	120V	SURFACE	1,2
L7	SURFACE MOUNTED 2'X 2' LED TROFFER	METALUX MODEL: 22EN-LD2-34-UNV-L830-CD-1	LED	120V	SURFACE	2
L8	SURFACE MOUNTED 2'X 4' LED TROFFER	METALUX MODEL: 24EN-LD2-45-UNV-L830-CD-1	LED	120V	SURFACE	2
L9	SURFACE MOUNTED 1'X2' LED STRIP LIGHT	ASD MODEL: ASD-LSF-2D2040	LED	120V	SURFACE	2
WP	EXTERIOR WALL PACK - DARK SKY COMPLIANT WITH INTEGRAL PHOTOCELL	PHILIPS STONCO MODEL - LPW32 - 71BZPCB	LED	120V	SURFACE	2,3
EM	EMERGENCY BATTERY PACK LUMINAIRE WITH SELF DIAGNOSTIC TESTING.	EXITRONIX MODEL: LLH50 SERIES	LED	120V	SURFACE	2
X1	POLYCARBONATE EXIT SIGN WITH RED LETTERS AND ARROWS AND MOUNTING PER FIELD CONDITIONS. PROVIDE WITH BATTERY BACKUP AND SELF DIAGNOSTIC TESTING.	EXITRONIX MODEL: VEX SERIES	120V	120V	SURFACE	2

REFERENCE NOTES:

1. FIXTURES SHALL BE ENERGY STAR RATED.
2. COORDINATE WITH ARCHITECT FOR FIXTURE COLOR.
3. FIXTURE SHALL BE PROVIDED AS HISTORICAL FIXTURE AND IF HISTORICAL FIXTURES NOT AVAILABLE THE SELECTED FIXTURE SHALL REPLACE IT.

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