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EQUIPMENT SCHEDULES GENERAL NOTES AND ABBREVIATIONS																	
• SEE POWER DRAWINGS FOR EQUIPMENT LOCATIONS. • SEE EQUIPMENT SCHEDULES FOR PANELBOARD FEEDER/BRANCH CIRCUIT NUMBERS AND FEEDER/BRANCH CIRCUIT SIZE. • SEE PANELBOARD SCHEDULES FOR OVERCURRENT PROTECTION DEVICE (OCPD) RATINGS. • FEEDER/BRANCH CIRCUIT SIZE AND OCPD RATINGS ARE DERIVED FROM DESIGN MANUFACTURER SPECIFICATIONS OR STANDARD MOTOR SIZING PER THE NEC FOR ALL THE SYSTEMS.			• PRIOR TO INSTALLING CONDUIT, CONTRACTOR SHALL REVIEW AND CONFIRM CONTRACT DRAWINGS, REVISIONS, SUBMITTALS AND SHOP DRAWINGS FOR FINAL EQUIPMENT LOCATION, ELEVATION, POWER, AND CONNECTION REQUIREMENTS WITH SPECIFIC TRADES AND THEIR SELECTED MANUFACTURERS • PRIOR TO INSTALLING CONDUIT, ALL FEEDER/BRANCH CIRCUIT SIZES, OCPD SIZES, CONTROLLER/STARTER RATINGS, DISCONNECT SWITCH RATINGS, AND THERMAL OVERLOAD RATINGS SHALL BE CONFIRMED IN THE FIELD AND PROVIDED PER SELECTED MANUFACTURER'S RECOMMENDATIONS.			• PROVIDE CONNECTION TO MOTOR/LISTED EQUIPMENT. • CONFIRM MOTOR ROTATION/OPERATION WITH THE MANUFACTURER PRIOR TO ENERGIZING MOTOR(S)/EQUIPMENT. • ALL DISCONNECT SWITCHES SHALL BE INSTALLED WITHIN 5FT AND WITHIN SIGHT OF THE MOTOR/LISTED EQUIPMENT. • MAXIMUM HEIGHT ABOVE FINISH FLOOR OF DISCONNECT SWITCH HANDLE SHALL NOT EXCEED 6'-3". • PROVIDE A GROUNDING (EGC) FROM DISCONNECT SWITCH TO MOTOR/LISTED EQUIPMENT CONNECTION POINT/JUNCTION BOX PER MANUFACTURER SPECIFICATIONS. • EQUIPMENT FLEXIBLE WHIPS SHALL NOT EXCEED 72" MAX LENGTH			• PROVIDE MOUNTING/RACKING FOR CONTROLLERS/STARTERS AND DISCONNECT SWITCHES • PROVIDE TWO SETS OF FORM "C" AUX CONTACTS FOR STARTERS • PROVIDE FOUR SETS OF FORM "C" AUX CONTACTS FOR VFC WITHIN THE VFC ENCLOSURE • PROVIDE 24vac CONTROL COIL FOR MANUAL STARTERS PER MANUFACTURER REQUIREMENTS • PROVIDE 120vac CONTROL COIL FOR MAGNETIC STARTERS PER MANUFACTURER REQUIREMENTS • PROVIDE MANUFACTURER START-UP AND COMMISSIONING OF VFC PRIOR TO FINAL PUNCHLIST • PROVIDE WRITTEN FORM OF VFC FIELD PROGRAMMED PARAMETER SETTINGS			• MAN/STR: MANUAL STARTER (WITH THERMAL OVERLOADS) • MAG/STR: MAGNETIC STARTER (FULL VOLTAGE NON-REVERSING) • VFC: VARIABLE FREQUENCY CONTROLLER • UMC: UNIT MOUNTED CONTROLLER/STARTER (FACTORY FURNISHED AND INSTALLED)			• FB: FURNISHED BY • IB: INSTALLED BY • PB: PROVIDED BY • GC: GENERAL CONTRACTOR • KC: KITCHEN CONTRACTOR • MC: MECHANICAL CONTRACTOR • PC: PLUMBING CONTRACTOR • FPC: FIRE PROTECTION CONTRACTOR • OWN: OWNER		

KITCHEN EQUIPMENT														
EQUIPMENT TAG	DESCRIPTION	VOLTAGE	PHASE	FLA	DESIGN LOAD	CONTINUOUS LOAD	FEEDER SIZE	FEED FROM PANEL	CIRCUIT NUMBER	CONTROLLER AND STARTER TYPE	LOCAL SAFETY DISCONNECT SWITCH	CONNECTION TYPE	REMARKS	
CR	COOKING RANGE	120 V	1	12.00 A	1,440 VA		F20	P1	27		N/A	Plug-In		
IM	ICE MACHINE	120 V	1	6.00 A	720 VA		F20	P2	37		N/A	Plug-In		
REF	REFRIGERATOR	120 V	1	6.00 A	720 VA		F20	P1	30		N/A	Plug-In		
LUC REF	UNDER COUNTER REFRIGERATOR	120 V	1	5.00 A	600 VA		F20	P1	15		N/A	Plug-In		
LUC REF	UNDER COUNTER REFRIGERATOR	120 V	1	5.00 A	600 VA		F20	P1	10		N/A	Plug-In		
LUC REF	UNDER COUNTER REFRIGERATOR	120 V	1	5.00 A	600 VA		F20	P1	10		N/A	Plug-In		

ARCHITECTURAL EQUIPMENT														
EQUIPMENT TAG	DESCRIPTION	VOLTAGE	PHASE	FLA	DESIGN LOAD	CONTINUOUS LOAD	FEEDER SIZE	FEED FROM PANEL	CIRCUIT NUMBER	CONTROLLER AND STARTER TYPE	LOCAL SAFETY DISCONNECT SWITCH	CONNECTION TYPE	REMARKS	
BATTERY	BATTERY CHARGER	120 V	1	10.00 A	1,200 VA		F20	P2	14	N/A	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
BATT HEATER	BATTERY HEATER	120 V	1	10.00 A	1,200 VA		F20	P2	17	N/A	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
BLOCK HEAT	BLOCK HEATER	120 V	1	15.00 A	1,800 VA		F20	P2	16	N/A	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	33	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	35	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	35	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	36	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	36	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	36	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	38	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	38	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
CHD	OVERHEAD DOOR	120 V	1	5.00 A	600 VA		F20	P2	33	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	

LUMINAIRES										
MARK	LAMP TYPE	DESCRIPTION	MANUFACTURER	MODEL	LUMENS	TEMPERATURE	CRI	APPARENT LOAD	VOLTAGE	
A	LED	2X4 RECESSED LED WITH 22 GAUGE COLD ROLLED STEEL HOUSING AND EXTRUDED ALUMINUM FRAME.	MARK LIGHTING	WHSPR 2X4 80CRI 40K 4000LM YBC OR APPROVED EQUIVALENT.	4300	4000K	80	30 W	120 V	
B	LED	2X4 RECESSED LED WITH 22 GAUGE COLD ROLLED STEEL HOUSING AND EXTRUDED ALUMINUM FRAME.	MARK LIGHTING	WHSPR 2X4 80CRI 40K 3000LM YBC OR APPROVED EQUIVALENT.	3000	4000K	80	25 W	120 V	
B1	LED	30 DEGREE LIGHT DISTRIBUTED BOLLARD LIGHT WITH ALUMINUM ALLOY HIGH TEMPERATURE SILICONE GASKET.	BEGA	B84705 OR APPROVED EQUIVALENT.	1500	3000K	80	25 W	120 V	
C	LED	12 INCH WIDE FLUSH MOUNTED WITH INJECTION MOLDED, UV RATED ACRYLIC DIFFUSER AND DURABLE WATER PROOF OUTDOOR FIXTURE.	WAC LIGHTING	FM-W57812 OR APPROVED EQUIVALENT.	2500	3500K	80	15 W	120 V	
CF	LED	70 INCH W CEILING FAN WITH LIGHT KIT AND REMOTE CONTROL.	LIGHTLOGY	OXV671252 OR APPROVED EQUIVALENT.	-	-	-	100 W	120 V	
D1	LED	6" LED RECESSED DOWNLIGHT.	GOTHAM	EVOR 40/15 AR MD LS OR APPROVED EQUIVALENT.	1500	4000K	80	15 W	120 V	
D2	LED	6" LED RECESSED DOWNLIGHT, SUITABLE FOR WET LOCATION.	GOTHAM	EVOR 40/20 AR WD LS OR APPROVED EQUIVALENT.	2000	4000K	80	20 W	120 V	
E	LED	3 1/4" LOW PROFILE LED WITH DIE CAST ALUMINUM FRAME.	MAXIM LIGHTING	38714 OR APPROVED EQUIVALENT.	2200	4000K	80	20 W	120 V	
F	LED	4 LED LINEAR STRIP LIGHT WITH COLD GAUGE ROLLED STEEL HOUSING AND ACRYLIC LENS.	LITHONIA	CLX L48 4000LM HEF FDL 35K 80CRI OR APPROVED EQUIVALENT.	4000	3500K	80	28 W	120 V	
G	LED	HIGH BAY LIGHT FIXTURE, FROSTED GLASS LENS, MOUNTED BY USING AIRCRAFT CABLE WITH HOOK.	LITHONIA	XIB L24 15000LM FRGL 35K 80CRI OR APPROVED EQUIVALENT.	15000	3500K	80	100 W	120 V	
H	LED	24 INCH LED VANITY LIGHT	MAXIM LIGHTING	S2182 OR APPROVED EQUIVALENT.	1400	3000K	80	16 W	120 V	
P1	LED	1/8" B6 RATED LED POLE MOUNTED SITE AND AREA LIGHT ENABLED WITH SENSOR TO BE PROVIDED BY THE OWNER.	LITHONIA	DSX0 LED P5 35K 80CRI T2M OR APPROVED EQUIVALENT.	11000	3500K	80	90 W	120 V	
TL	LED	TO BE PROVIDED BY THE OWNER.	-	-	-	-	-	50 W	120 V	
WL	LED	3" LED CYLINDRICAL DOWN LIGHT WITH ALUMINUM DIE CAST, POWDER COAT FINISH, WET LOCATION RATED.	RP LIGHTING	44240B-13-3K OR APPROVED EQUIVALENT.	1280	3000K	80	13 W	120 V	
X	LED	LED DIE-CAST ALUMINUM EXIT SIGN WITH CEILING OR WALL MOUNT. AS SHOWN ON DRAWINGS, WHITE HOUSING WITH WHITE FACE AND RED LETTERS.	LITHONIA	LE OR APPROVED EQUIVALENT.	-	-	-	5 W	120 V	
X1	LED	LED DIE-CAST ALUMINUM EXIT SIGN WITH CEILING OR WALL MOUNT. AS SHOWN ON DRAWINGS, WHITE HOUSING WITH WHITE FACE, RED LETTERS, AND DIRECTIONAL ARROWS.	LITHONIA	LE OR APPROVED EQUIVALENT.	-	-	-	5 W	120 V	

NOTES
1. LIGHT FIXTURE FINISH TO BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO PURCHASING.

ELECTRICAL SCHEDULES - MECHANICAL EQUIPMENT																	
EQUIPMENT TAG	DESCRIPTION	LOCATION	VOLTAGE	PHASE	HP	FLA	MOCP	FULL LOAD	CONTINUOUS LOAD	FEEDER SIZE	FEED FROM PANEL	CIRCUIT NUMBER	CONTROLLER AND STARTER TYPE	LOCAL SAFETY DISCONNECT SWITCH	CONNECTION TYPE	REMARKS	
ACCU-1	AIR COOLED CONDENSING UNIT	AT EXTERIOR GRADE	208 V	1		14.40 A	25 A	2,995 VA		F30	H1	19,21	UMC	PB-EC 30A NEMA 3R FUSED 25A	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
EF-5	COINQZ EXHAUST FAN	APPARATUS BAY 129	208 V	1		11.00 A	20 A	2,288 VA		F20	H1	11,13	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
EF-6	COINQZ EXHAUST FAN	APPARATUS BAY 129	208 V	1		11.00 A	20 A	2,288 VA		F20	H1	15,17	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
EUR-1	ELECTRIC UNIT HEATER	MAINTENANCE 130	208 V	1		14.40 A	25 A	2,995 VA		F30	H1	22,25	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-1	FAN COIL UNIT	DAYROOM 123	208 V	1		1.00 A	15 A	208 VA		F20	H1	10,12	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-2	FAN COIL UNIT	CORRIDOR 111	208 V	1		1.00 A	15 A	208 VA		F20	H1	10,12	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-3	FAN COIL UNIT	OFFICE 108	208 V	1		1.00 A	15 A	208 VA		F20	H1	10,12	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-4	FAN COIL UNIT	CORRIDOR 103	208 V	1		1.00 A	15 A	208 VA		F20	H1	10,12	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-4	FAN COIL UNIT	CORRIDOR 103	208 V	1		1.00 A	15 A	208 VA		F20	H1	10,12	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-5	FAN COIL UNIT	CORRIDOR 103	208 V	1		1.00 A	15 A	208 VA		F20	H1	10,12	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-6	FAN COIL UNIT	FFR1 110	208 V	1		1.00 A	15 A	208 VA		F20	H1	14,16	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-7	FAN COIL UNIT	FFR2 112	208 V	1		1.00 A	15 A	208 VA		F20	H1	14,16	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-8	FAN COIL UNIT	FFR3 114	208 V	1		1.00 A	15 A	208 VA		F20	H1	14,16	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-9	FAN COIL UNIT	FFR4 116	208 V	1		1.00 A	15 A	208 VA		F20	H1	14,16	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-10	FAN COIL UNIT	FFR5 118	208 V	1		1.00 A	15 A	208 VA		F20	H1	14,16	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
FCU-11	FAN COIL UNIT	FFR6 120	208 V	1		1.00 A	15 A	208 VA		F20	H1	14,16	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
HVLS-1	BIGASS FAN	APPARATUS BAY 129	208 V	1		10.00 A	20 A	2,080 VA	Yes	F20	H1	7,9	UMC	PB-EC 20A 2P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
HVLS-1	HVLS FAN CONTROLLER	APPARATUS BAY 129	208 V	1		0.00 A		0 VA	Yes	F20			UMC		Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
RH-1	RADIANT HEATER	APPARATUS BAY 129	120 V	1		1.80 A	15 A	216 VA		F20	H1	2	UMC	PB-EC 20A 1P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
RH-2	RADIANT HEATER	APPARATUS BAY 129	120 V	1		1.80 A	15 A	216 VA		F20	H1	4	UMC	PB-EC 20A 1P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
RH-3	RADIANT HEATER	APPARATUS BAY 129	120 V	1		1.80 A	15 A	216 VA		F20	H1	6	UMC	PB-EC 20A 1P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
RH-4	RADIANT HEATER	APPARATUS BAY 129	120 V	1		1.80 A	15 A	216 VA		F20	H1	8	UMC	PB-EC 20A 1P TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	
VRPH-P-1	VRP HEAT PUMP	AT EXTERIOR GRADE	208 V	3		48.00 A	100 A	17,293 VA		F60	MSB	4	UMC	PB-EC 100A NEMA 3R FUSED 70A	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.	

NOTES
1. DISCONNECTING MEANS AND CONTROLLER/STARTER TO BE PROVIDED AS INDICATED IN SCHEDULE UNLESS FURNISHED BY OTHERS. REFER TO MECHANICAL SCHEDULES/SUBMITTALS. CONFIRM RESPONSIBILITY PRIOR TO PROCUREMENT.

PLUMBING EQUIPMENT																
EQUIPMENT TAG	DESCRIPTION	VOLTAGE	PHASE	HP	FLA	MOCP	FULL LOAD	DESIGN LOAD	CONTINUOUS LOAD	FEEDER SIZE	FEED FROM PANEL	CIRCUIT NUMBER	CONTROLLER AND STARTER TYPE	LOCAL SAFETY DISCONNECT SWITCH	CONNECTION TYPE	REMARKS
DWH-1	DOMESTIC WATER HEATER	120 V	1		1.00 A		120 VA	120 VA		F20	H1	18	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.
HWCP-1	HOT WATER CIRCULATION PUMP	120 V	1		1.00 A		120 VA	120 VA		F20	H1	18	UMC	PB-EC 20A WP TOGGLE	Hard-Wired	VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER.



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RFP 2027-3500-01

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BID DOCUMENTS

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ELECTRICAL
SCHEDULES

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