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TYPE: ITE SIEMENS SERVICE: 3Ø_4W VOLTAGE: 120/208_V MOUNTING: SURFACE										MAIN BUS: 800 AMP NEUTRAL: F/N MAIN: 600 AMP MAIN LOCATION: WALL																	
PANEL P 65 KAIC										PANEL A 42 KAIC																	
K/VOLT AMP	POLE	TRIP	CONDUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CONDUIT	TRIP	POLE	K/VOLT AMP.	K/VOLT AMP	POLE	TRIP	CONDUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CONDUIT	TRIP	POLE	K/VOLT AMP.
36.00	3	125	2"	#1	RTU#1 W/25.00 KW HEATHER	1	2	RTU#2 W/25.00 KW HEATHER	#1	2"	125	3	36.00	1.20	1	20	3/4"	#12	LIGHTING *	1	2	LIGHTS *	#12	3/4"	20	1	1.20
36.00	3	125	2"	#1	RTU#1 W/25.00 KW HEATHER	3	4							1.20	1	20	3/4"	#12	LIGHTING *	3	4	LIGHTS *	#12	3/4"	20	1	1.20
33.00	3	150	2"	#1/0	PANEL B	5	6							1.20	1	20	3/4"	#12	LIGHTING *	5	6	LIGHTS *	#12	3/4"	20	1	1.20
4.00	2	20	1"	#10	SITE LIGHTING ⚡	7	8							1.20	1	20	3/4"	#12	LIGHTING *	7	8	LIGHTS *	#12	3/4"	20	1	1.20
4.00	2	20	1"	#10	SITE LIGHTING ⚡	9	10	PANEL A	#1/0	2"	150	3	37.00	1.20	1	20	3/4"	#12	LIGHTING *	9	10	LIGHTS *	#12	3/4"	20	1	1.20
1.50	1	---	---	---	SPACE	11	12	LIFT STATION	#10	1"	20	2	4.00	1.20	1	20	3/4"	#12	LIGHTING *	11	12	LIGHTS *	#12	3/4"	20	1	1.20
---	1	---	---	---	SPACE	13	14							1.20	1	20	3/4"	#12	LIGHTING *	13	14	LIGHTS *	#12	3/4"	20	1	1.20
---	1	---	---	---	SPACE	15	16							1.20	1	20	3/4"	#12	LIGHTING *	15	16	LIGHTS *	#12	3/4"	20	1	1.20
---	1	---	---	---	SPACE	17	18	SPARE						1.20	1	20	3/4"	#12	LIGHTING *	17	18	LIGHTS **	#12	3/4"	20	1	1.20
---	1	---	---	---	SPACE	19	20	SPARE						1.20	1	20	3/4"	#12	LIGHTING *	19	20	LIGHTS **	#12	3/4"	20	1	1.20
---	1	---	---	---	SPACE	21	22	SPARE						1.20	1	20	3/4"	#12	LIGHTING *	21	22	LIGHTS *	#12	3/4"	20	1	1.20
---	1	---	---	---	SPACE	23	24	SPACE						1.20	1	20	3/4"	#12	LIGHTING *	23	24	LIGHTS *	#12	3/4"	20	1	1.20
---	1	---	---	---	SPACE	25	26	SPACE						1.20	1	20	3/4"	#12	LIGHTING AT CRYING ROOM *	25	26	EXTR SIGN	#12	3/4"	20	1	1.00
---	1	---	---	---	SPACE	27	28	SPACE						1.00	1	20	3/4"	#12	LIGHTING *	27	28	SPACE					
---	1	---	---	---	SPACE	29	30	SPACE						1.50	1	---	---	---	SPACE	29	30	SPACE					
---	1	---	---	---	SPACE	31	32	SPACE						1.00	1	---	---	---	SPACE	31	32	SPACE					
---	1	---	---	---	SPACE	33	34	SPACE						---	1	---	---	---	SPACE	33	34	SPACE					
---	1	---	---	---	SPACE	35	36	SPACE						---	1	---	---	---	SPACE	35	36	SPACE					
---	1	---	---	---	SPACE	37	38	SPACE						---	1	---	---	---	SPACE	37	38	SPACE					
---	1	---	---	---	SPACE	39	40	SPACE						---	1	---	---	---	SPACE	39	40	SPACE					
---	1	---	---	---	SPACE	41	42	SPACE						---	1	---	---	---	SPACE	41	42	SPACE					
114.50	TOTAL										TOTAL										81.50						
TOTAL CONNECTED LOAD: 196.00 KVA										TOTAL CONNECTED LOAD: 37.00 KVA																	
NOTE: ALL DISCONNECTS TO BE CONTINUOUS DUTY. I=544 AMPS.										NOTE: ALL DISCONNECTS TO BE CONTINUOUS DUTY. I=103 AMPS.																	
* INSTALL THRU CONTACTOR AND PHOTOCCELL (SEE NOTE ON DWGS.)										* CONNECTED THRU MANAGEMENT SYSTEM																	
** PROVIDE AND INSTALL TIMER/CLOCK										** PROVIDE AND INSTALL TIMER/CLOCK																	

2

LIGHTING OCCUPANCY
PROVIDE OCCUPANCY SENSORS AS PER FBC 13-415 AND AS INDICATED BELOW:
1-WALL MOUNT OCCUPANCY SENSORS: \$
PROVIDE WALL OCCUPANCY SENSOR WITH BUTTON AS PER HUBBELL BUILDING AUTOMATION.
2-PROVIDE SUBMITTAL, SPECS, AND FLOOR PLAN LAYOUT FOR OCCUPANCY SENSORS PROPOSED FOR CONSTRUCTION TO ENGINEER FOR REVIEW.

1

THIS CONTRACTOR SHALL PROVIDE AND INSTALL AN AUTOMATIC MANAGEMENT SYSTEM TO SHUT OFF ALL LIGHTING AT THE BUILDING AFTER MIDNIGHT OR THE TIME SELECTED BY OWNER/MANAGEMENT.

1

VOLTAGE DROP CALCULATION NOTE:
ALL FEEDERS LENGTH ARE BELOW 100FT; HOWEVER, IN THE EVENT OF AN INSTALLATION OVER 100FT, THE WIRE SIZE SHALL BE INCREASED BY ONE SIZE UP OR THE WIRE SIZE REQUIRED FOR A MAXIMUM OF 2% VOLTAGE DROP.

3

TYPE: ITE SIEMENS SERVICE: 3Ø_4W VOLTAGE: 120/208_V MOUNTING: SURFACE										MAIN BUS: 800 AMP NEUTRAL: F/N MAIN: 600 AMP MAIN LOCATION: WALL																	
PANEL PP 65 KAIC										PANEL AA 42 KAIC																	
K/VOLT AMP	POLE	TRIP	CONDUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CONDUIT	TRIP	POLE	K/VOLT AMP.	K/VOLT AMP	POLE	TRIP	CONDUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CONDUIT	TRIP	POLE	K/VOLT AMP.
30.00	3	100	2"	#2	RTU #4 W/20.00 KW HEATHER	1	2	RTU #5 W/15.00 KW HEATHER	#4	1 1/2"	80	3	25.00	1.20	1	20	3/4"	#12	LIGHTING *	1	2	LIGHTS *	#12	3/4"	20	1	1.20
15.00	3	60	1 1/2"	#4	RTU #6 W/10.00 KW HEATHER	3	4							1.20	1	20	3/4"	#12	LIGHTING *	3	4	LIGHTS *	#12	3/4"	20	1	1.20
4.00	2	20	1"	#10	SITE LIGHTING ⚡	5	6							1.20	1	20	3/4"	#12	LIGHTING *	5	6	LIGHTS *	#12	3/4"	20	1	1.20
4.00	2	20	1"	#10	SITE LIGHTING ⚡	7	8							1.20	1	20	3/4"	#12	LIGHTS STAIRS *	7	8	LIGHTS *	#12	3/4"	20	1	1.20
2.00	2	20	1"	#10	KITCHEN EXHAUST FAN (SEPARATE PERMIT)	9	10	PANEL AA	#1/0	2"	150	3	51.60	1.20	1	20	3/4"	#12	LIGHTS 2ND FLOOR *	9	10	HOOD LIGHTS -COOKING AREA	#12	3/4"	20	1	1.50
2.00	2	20	1"	#10	KITCHEN MAKE UP FAN (SEPARATE PERMIT)	11	12							1.20	1	20	3/4"	#12	LIGHTS 2ND FLOOR *	11	12	HOOD LIGHTS -DISHWASHING A.	#12	3/4"	20	1	1.50
1.00	1	20	3/4"	#12	DISHWASHE EXHAUST HOOD HEAT PAN (SEPARATE PERMIT)	13	14	PANEL CC	#1/0	2"	150	3	29.58	1.20	1	20	3/4"	#12	LIGHTS STORAGE *	13	14	LIGHTS *	#12	3/4"	20	1	1.50
1.50	1	20	3/4"	#12	FIRE EXTINGUISHER SYSTEM	15	16							1.20	1	20	3/4"	#12	LIGHTS BATHROOM *	15	16	WATER FOUNTAIN	#12	3/4"	20	1	1.50
1.50	1	20	3/4"	#12	KITCHEN HOOD/EXHAUST PERMIT	17	18							1.20	1	20	3/4"	#12	LIGHTS BATHROOM *	17	18	SPACE					
---	1	---	---	---	SPACE	19	20	LIFT STATION	#10	1"	20	2	4.00	1.50	1	20	3/4"	#12	SERVICE RECEPTACLES GPCI	19	20	SPACE					
---	1	---	---	---	SPACE	21	22							1.50	1	20	3/4"	#12	SERVICE RECEPTACLES GPCI	21	22	SPACE					
---	1	---	---	---	SPACE	23	24	HOOD EF-1 (1.5HP)	#10	3/4"	20	1	1.50	1.50	1	20	3/4"	#12	SERVICE RECEPTACLES GPCI	23	24	SPACE					
---	1	---	---	---	SPACE	25	26	HOOD EF-2 (1.4HP)	#12	3/4"	15	1	0.80	1.50	1	20	3/4"	#12	SERVICE RECEPTACLES GPCI	25	26	SPACE					
---	1	---	---	---	SPACE	27	28	HOOD EF-1 (1.5HP)	#10	3/4"	20	1	1.50	1.50	1	---	---	---	SPACE	27	28	SPACE					
---	1	---	---	---	SPACE	29	30	SPACE						1.50	1	---	---	---	SPACE	29	30	SPACE					
---	1	---	---	---	SPACE	31	32	SPACE						1.50	1	---	---	---	SPACE	31	32	SPACE					
---	1	---	---	---	SPACE	33	34	SPACE						1.50	1	---	---	---	SPACE	33	34	SPACE					
---	1	---	---	---	SPACE	35	36	SPACE						1.50	1	---	---	---	SPACE	35	36	SPACE					
---	1	---	---	---	SPACE	37	38	SPACE						1.50	1	---	---	---	SPACE	37	38	SPACE					
---	1	---	---	---	SPACE	39	40	SPACE						1.50	1	---	---	---	SPACE	39	40	SPACE					
---	1	---	---	---	SPACE	41	42	SPACE						1.50	1	---	---	---	SPACE	41	42	SPACE					
61.00	TOTAL										TOTAL										113.98						
TOTAL CONNECTED LOAD: 174.98 KVA										TOTAL CONNECTED LOAD: 51.60 KVA																	
NOTE: ALL DISCONNECTS TO BE CONTINUOUS DUTY. I=486 AMPS.										NOTE: ALL DISCONNECTS TO BE CONTINUOUS DUTY. I=143 AMPS.																	
* INSTALL THRU CONTACTOR AND PHOTOCCELL (SEE NOTE ON DWGS.)										* CONNECTED THRU MANAGEMENT SYSTEM																	
** PROVIDE AND INSTALL TIMER/CLOCK										** PROVIDE AND INSTALL TIMER/CLOCK																	

TYPE: ITE SIEMENS SERVICE: 3Ø_4W VOLTAGE: 120/208_V MOUNTING: SURFACE										MAIN BUS: 150 AMP NEUTRAL: F/N MAIN: M.L.O. LOCATION: WALL																	
PANEL CC 42 KAIC										PANEL CC 42 KAIC																	
K/VOLT AMP	POLE	TRIP	CONDUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CONDUIT	TRIP	POLE	K/VOLT AMP.	K/VOLT AMP	POLE	TRIP	CONDUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CONDUIT	TRIP	POLE	K/VOLT AMP.
1.20	1	20	3/4"	#12	RECEPTACLES	1	2	BATH GPCI	#12	3/4"	20	1	0.30	1.20	1	20	3/4"	#12	RECEPTACLES	1	2	BATH GPCI	#12	3/4"	20	1	0.30
1.20	1	20	3/4"	#12	RECEPTACLES	3	4	BATH GPCI	#12	3/4"	20	1	0.30	1.20	1	20	3/4"	#12	RECEPTACLES	3	4	BATH GPCI	#12	3/4"	20	1	0.30
1.20	1	20	3/4"	#12	RECEPTACLES	5	6	HAND DRYER	#12	3/4"	20	1	1.50	1.20	1	20	3/4"	#12	RECEPTACLES	5	6	HAND DRYER	#12	3/4"	20	1	1.50
1.20	1	20	3/4"	#12	RECEPTACLES	7	8	HAND DRYER	#12	3/4"	20	1	1.50	1.20	1	20	3/4"	#12	RECEPTACLES	7	8	HAND DRYER	#12	3/4"	20	1	1.50
1.20	1	20	3/4"	#12	RECEPTACLES	9	10	RECEPTACLES 2ND FLOOR	#12	3/4"	20	1	1.08	1.20	1	20	3/4"	#12	RECEPTACLES	9	10	RECEPTACLES 2ND FLOOR	#12	3/4"	20	1	1.08
0.60	1	20	3/4"	#12	BATH GPCI	11	12	WATER FOUNTAIN	#12	3/4"	20	1	1.20	0.60	1	20	3/4"	#12	BATH GPCI	11	12	WATER FOUNTAIN	#12	3/4"	20	1	1.20
1.50	1	20	3/4"	#12	ELECTRIC WATER FOUNTAIN	13	14	HAND DRYER	#12	3/4"	20	1	1.50	1.50	1	20	3/4"	#12	ELECTRIC WATER FOUNTAIN	13	14	HAND DRYER	#12	3/4"	20	1	1.50
1.50	1	20	3/4"	#12	EXISTING LIGHTING	15	16	HAND DRYER	#12	3/4"	20	1	1.50	1.50	1	20	3/4"	#12	EXISTING LIGHTING	15	16	HAND DRYER	#12	3/4"	20	1	1.50
1.20	1	20	3/4"	#12	WARMING & HOLDING CABINETS	17	18	BATH GPCI	#12	3/4"	20	1	0.30	1.20	1	20	3/4"	#12	WARMING & HOLDING CABINETS	17	18	BATH GPCI	#12	3/4"	20	1	0.30
1.04	1	20	3/4"	#12	CONVECTION OVEN GPCI	19	20	BATH GPCI	#12	3/4"	20	1	0.30	1.04	1	20	3/4"	#12	CONVECTION OVEN GPCI	19	20	BATH GPCI	#12	3/4"	20	1	0.30
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