

ALL PANELBOARDS, TRANSFORMERS, TRANSFER SWITCH KIT AND DISCONNECTS WILL BE SUPPLIED BY THE OWNER (O'REILLY). ELECTRICAL GEAR SHALL BE DIRECT ORDERED AND/OR RELEASED FROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR. SEE "ELECTRIC SERVICE RESPONSIBILITIES" FOR ADDITIONAL CLARIFICATION:

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**PANELBOARD SCHEDULE**

VOLTAGE: 120/240	POLES: 42	MOUNTING: SURFACE	ENCLOSURE: NEMA 1	SQUARE D: MP							
PHASE / WIRE: 3/4	KAIC AMPS (RMS): 400	LOCATION: PARTS AREA C	MANUFACTURER: MODEL:	NO							
1	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-1	2
2	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-2	9
3	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-3	12
4	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-4	14
5	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-5	16
6	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-6	18
7	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-7	20
8	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-8	22
9	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-9	24
10	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-10	26
11	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-11	28
12	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-12	30
13	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-13	32
14	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-14	34
15	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-15	36
16	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-16	38
17	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-17	40
18	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-18	42
19	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-19	44
20	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-20	46
21	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-21	48
22	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-22	50
23	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-23	52
24	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-24	54
25	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-25	56
26	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-26	58
27	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-27	60
28	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-28	62
29	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-29	64
30	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-30	66
31	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-31	68
32	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-32	70
33	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-33	72
34	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-34	74
35	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-35	76
36	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-36	78
37	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-37	80
38	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-38	82
39	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-39	84
40	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-40	86
41	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-41	88
42	20 1	#12s 1405	5505	4160	4160	80s	HACR	3	45	RTU-42	90

**PANELBOARD SCHEDULE**

VOLTAGE: 120/240	POLES: 42	MOUNTING: SURFACE	ENCLOSURE: NEMA 1	SQUARE D: PLP							
PHASE / WIRE: 1/3	KAIC AMPS (RMS): 225	LOCATION: PARTS AREA "B"	MANUFACTURER: MODEL:	NO							
1	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	CHECK IN RECEPTACLE (E.G.)	2
2	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	4
3	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	6
4	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	8
5	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	10
6	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	12
7	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	14
8	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	16
9	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	18
10	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	20
11	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	22
12	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	24
13	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	26
14	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	28
15	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	30
16	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	32
17	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	34
18	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	36
19	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	38
20	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	40
21	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	42
22	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	44
23	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	46
24	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	48
25	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	50
26	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	52
27	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	54
28	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	56
29	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	58
30	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	60
31	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	62
32	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	64
33	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	66
34	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	68
35	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	70
36	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	72
37	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	74
38	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	76
39	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	78
40	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	80
41	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	82
42	20 1	#12s 1700	1800	1800	1800	12s	-	1	20	BATTERY RACK RECEPTACLE	84

PHASE BALANCE:	LOAD TYPE:	CONNECTED (VA):	DEMAND (VA):	DEMAND FORMULA:
A	315M	36.6%	1980	1980
B	315M	36.6%	1980	1980
C	315M	36.6%	1980	1980

TOTAL ELECTRICAL SERVICE LOAD	CONNECTED	DEMAND	VA	AMPS
A	6292	202	202	202
B	6292	202	202	202
C	6292	202	202	202

**E TRANSFER SWITCH SCHEDULE**

POSITION	CIRCUIT BREAKER	LOAD DESCRIPTION	(KVA)	BREAKER
A	20A/1P	OFFICE COMPUTER	0.36	PLP-38
B	20A/1P	COUNTER RECEPTACLES	0.36	PLP-34
C	20A/1P	PRINTER	0.50	PLP-38
D	20A/1P	TELEPHONE EQUIPMENT RECEPTACLE	0.72	PLP-40
E	20A/1P	LIGHTING OFFICE/BATHROOMS (100% ON)	0.53	MP-1
F	20A/1P	LIGHTING SECURITY (100% ON)	0.52	MP-13
G	20A/1P	LIGHTING HWRD PARTS (DIMMED TO 30% ON)	0.40	MP-15
H	20A/1P	LIGHTING HWRD PARTS (DIMMED TO 30% ON)	0.42	MP-19
J	20A/1P	INSTALLER (ISOLATED GRD RECEPTACLE)	0.72	PLP-17
K	20A/1P	INSTALLER (RECEPTACLE)	0.36	PLP-19
GENERATOR (6,000 WATTS) RATED. MAX KVA=5.0 LOAD			4.89	TOTAL

NOTE: ALL BRANCH CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE CIRCUIT CONDUCTORS. THIS MEANS ALL CONDUITS MUST HAVE A GREEN WIRE INSTALLED IN THEM AND SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE N.E.C.

**WIRING & LABELING OF EXIT & EMERGENCY LIGHT CIRCUITS**

- SEE DETAIL 1/E1 FOR WIRING OF EXIT & EMERGENCY LIGHTS ON THESE CIRCUITS.
- ALL EXIT & EMERGENCY LIGHTING CIRCUITS SHALL BE LABELED BY THE CONTRACTOR ON THE "PANEL DIRECTORY".

**ELECTRIC SERVICE RESPONSIBILITIES**