

208Y/120V 3-Phase 4-Wire POWER PANEL Name: DP
 Mins: 400A Main molded case breaker Min Syn ICI: 65000
 Trls: Surface Door: Yes Fed Trns: UTILITY
 Branch COP: Molded case breaker Provide UL SE Label
 Neutral: S/N Ground bar: As required for service entrance equipment Feeder: Note 1

CIR DESCRIPTION	TRIP	PHASE LOADS			CONDUITS	PHASES	NEUTRAL	GROUND	WIRE TYPE	CIR
		A	B	C						
1 ELEVATOR	150 3	8983	8983	8983	(1)1-1/2"	3#1/0	-	#6	THWN Copper	2
2 ELEV CAB & LITS	20 1	628	---	---	1/2"	1#12	#12	#12	THWN Copper	4
3 LRT	150 3	2316	3940	3100	(1)1-1/2"	3#1/0	1/0	#6	THWN Copper	4
4 LRTS ELEV PIT	20 1	---	11	---	1/2"	1#12	#12	#12	THWN Copper	6
5 Space only	400 3	---	---	---	---	---	---	---	---	10
6 LRTS 119,120	20 1	1061	---	---	1/2"	1#12	#12	#12	THWN Copper	12
7 Space only	400 3	---	---	---	---	---	---	---	---	14
8 LRTS 122,123,124	20 1	---	992	---	1/2"	1#12	#12	#12	THWN Copper	16
9 LRTS 129,110,111	20 1	---	---	1077	1/2"	1#12	#12	#12	THWN Copper	18
10 LRTS 201	20 1	828	---	---	1/2"	1#12	#12	#12	THWN Copper	20
11 LRTS 115,116,128	20 1	---	1335	---	1/2"	1#12	#12	#12	THWN Copper	22
12 LRTS 201	20 1	---	---	1024	1/2"	1#12	#12	#12	THWN Copper	24
13 LRTS 115,116,128	20 1	1418	---	---	1/2"	1#12	#12	#12	THWN Copper	26
14 LRTS 201	20 1	---	905	---	1/2"	1#12	#12	#12	THWN Copper	28
15 Space only	400 3	---	---	---	---	---	---	---	---	30
16 EXTENSION LITS	20 1	---	---	1162	1/2"	1#10	#10	#10	THWN Copper	32
17 Space only	400 3	---	---	---	---	---	---	---	---	34
18 Space only	400 3	---	---	---	---	---	---	---	---	36
19 LRT	225 3	19476	25216	24160	(1)2-1/2"	3#4/0	4/0	#4	THWN Copper	38
20 LM	300 3	33787	33448	34112	(1) 3"	3#350kcmil	350kcmil	#4	THWN Copper	40

Phase load totals A 66497 B 74790 C 73617

Notes for DP:
 1 Feeder is (3) 3" - 4#350kcmil THWN Copper
 2 Provide Shunt trip - circuit 1

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LR1
 Section 1
 Mins: 225A MLO Min Syn ICI: 65000
 Trls: Surface Door: Yes Fed Trns: DP
 Neutral: S/N Ground bar: Yes Provide 225A Feed-thru Lug Feeder: Note 1

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
						A	B	C						
1 REC 115,116,129	Note 2	#12	#12	#12	20	1	720	600	1	Note 2	#12	#12	REC 124	2
3 FACP	Note 2	#12	#12	#12	20	1	600	600	1	Note 2	#12	#12	REC 124	4
5 REC ELEV PIT	Note 2	#12	#12	#12	20	1	180	180	1	Note 2	#12	#12	REC 124	6
7 MOP POWER	Note 2	#12	#12	#12	20	1	1200	1200	1	Note 2	#12	#12	REC 128	8
9 MOP POWER	Note 2	#12	#12	#12	20	1	720	720	1	Note 2	#12	#12	REC 118,121	10
11 REC 124	Note 2	#12	#12	#12	20	1	600	720	1	Note 2	#12	#12	REC 120	12
13 REC 101	Note 2	#12	#12	#12	20	1	1260	1080	1	Note 2	#12	#12	REC 104	14
15 REC 101,102,103	Note 2	#12	#12	#12	20	1	900	900	1	Note 2	#12	#12	REC 106	16
17 REC 104	Note 2	#12	#12	#12	20	1	1080	1080	1	Note 2	#12	#12	REC 108	18
19 REC 107	Note 2	#12	#12	#12	20	1	1080	900	1	Note 2	#12	#12	REC 110	20
21 REC 108	Note 2	#12	#12	#12	20	1	1080	1080	1	Note 2	#12	#12	REC 112	22
23 REC 109	Note 2	#12	#12	#12	20	1	1080	1080	1	Note 2	#12	#12	REC 114	24
25 REC 126	Note 2	#12	#12	#12	20	1	720	1080	1	Note 2	#12	#12	REC 126	26
27 COP/ER	Note 2	#12	#12	#12	20	1	1200	180	1	Note 2	#12	#12	REC 127	28
29 COP/ER	Note 2	#12	#12	#12	20	1	1200	180	1	Note 2	#12	#12	REC 127	30
31 REC 127	Note 2	#12	#12	#12	20	1	180	180	1	Note 2	#12	#12	REC 127	32
33 REC 127	Note 2	#12	#12	#12	20	1	600	180	1	Note 2	#12	#12	PROJECTOR	34
35 REC 113	Note 2	#12	#12	#12	20	1	540	600	1	Note 2	#12	#12	PROJECTOR	36
37 REC 122	Note 2	#12	#12	#12	20	1	720	900	1	Note 2	#12	#12	REC 122	38
39 REC 128	Note 2	#12	#12	#12	20	1	540	720	1	Note 2	#12	#12	REC 128	40
41 REC 128	Note 2	#12	#12	#12	20	1	180	180	1	Note 2	#12	#12	REC MACH ROOM	42

Refer to LR1 - Section 2 for notes

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LR1
 Section 2
 Mins: 225A MLO Min Syn ICI: 65000
 Trls: Surface Door: Yes Fed Trns: Section 1
 Neutral: S/N Ground bar: Yes

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
						A	B	C						
43 REC 204,205,206	Note 2	#12	#12	#12	20	1	540	1500	2	Note 2	#10	#10	ICE MAKER	44
45 REC 203	Note 2	#12	#12	#12	20	1	180	1500	1	Note 2	#10	#10	-	46
47 REC 202	Note 2	#12	#12	#12	20	1	180	360	1	Note 2	#12	#12	REC 202	48
49 REC 202	Note 2	#12	#12	#12	20	1	360	360	1	Note 2	#12	#12	REC 202	50
51 RANGE	Note 2	#12	#12	#12	20	1	360	1200	1	Note 2	#12	#12	REFRIGERATOR	52
53 -	Note 2	#12	#12	#12	20	1	4000	1200	1	Note 2	#12	#12	REC 202	54
55 (Shunt trip)	Note 2	#12	#12	#12	20	1	360	360	1	Note 2	#12	#12	REC 202	56
57 DRINK COOLER	Note 2	#12	#12	#12	20	1	540	1200	1	Note 2	#12	#12	REC 119	58
59 DRINK COOLER	Note 2	#12	#12	#12	20	1	1200	540	1	Note 2	#12	#12	REC 117	60
61 REC 201	Note 2	#12	#12	#12	20	1	720	720	1	Note 2	#12	#12	REC 201	62
63 REC 201	Note 2	#12	#12	#12	20	1	1200	540	1	Note 2	#12	#12	REC 201	64
65 MSSC POWER	Note 2	#12	#12	#12	20	1	540	1200	1	Note 2	#12	#12	REC 201	66
67 PROJECTOR SCREEN	Note 2	#12	#12	#12	20	1	1176	540	1	Note 2	#12	#12	REC 201	68
69 PROJECTOR SCREEN	Note 2	#12	#12	#12	20	1	540	1176	1	Note 2	#12	#12	REAR ROOM TV	70
71 BSSC POWER	Note 2	#12	#12	#12	20	1	180	1200	1	Note 2	#12	#12	REC 122	72
73 REC 122	Note 2	#12	#12	#12	20	1	180	360	1	Note 2	#12	#12	REC 122	74
75 COP/ER	Note 2	#12	#12	#12	20	1	600	600	1	Note 2	#12	#12	REC POKE-THRU	76
77 COP/ER	Note 2	#12	#12	#12	20	1	720	720	1	Note 2	#12	#12	REC POKE-THRU	78
79 REC POKE-THRU	Note 2	#12	#12	#12	20	1	720	720	1	Note 2	#12	#12	REC POKE-THRU	80
81 REC POKE-THRU	Note 2	#12	#12	#12	20	1	720	720	1	Note 2	#12	#12	REC POKE-THRU	82
83 REC POKE-THRU	Note 2	#12	#12	#12	20	1	720	720	1	Note 2	#12	#12	REC POKE-THRU	84

Phase load totals A 19476 B 25216 C 24160

Notes for LR1:
 1 Feeder is (1) 2-1/2" - 4#4/0 + #4 GND THWN Copper
 2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating
 3 Use breaker suitable for 75C conductors for circuits 51-55
 4 Provide GFCI - circuits 52-57
 5 Provide Shunt trip - circuit 51

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LR2
 Section 3
 Mins: 225A MLO Min Syn ICI: 65000
 Trls: Surface Door: Yes Fed Trns: DP
 Neutral: S/N Ground bar: Yes

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
						A	B	C						
1 REC 117	Note 2	#12	#12	#12	20	1	360	180	1	Note 2	#12	#12	REC 119	2
3 REC 117	Note 2	#12	#12	#12	20	1	360	360	1	Note 2	#12	#12	REC 119	4
5 REC 117	Note 2	#12	#12	#12	20	1	360	360	1	Note 2	#12	#12	REC 119	6
7 REC 126	Note 2	#12	#12	#12	20	1	720	594	1	Note 2	#12	#12	HOOD LITS/FAN	8
9 EDF'S	Note 2	#12	#12	#12	20	1	1200	2200	1	Note 2	#10	#10	REC DATA 124	10
11 POKE-THRU 201	Note 2	#12	#12	#12	20	1	360	2200	1	Note 2	#10	#10	REC DATA 124	12
13 SPARE	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	SPARE	14
15 SPARE	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	SPARE	16
17 SPARE	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	SPARE	18
19 SPARE	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	SPARE	20
21 SPARE	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	SPARE	22
23 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	24
25 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	26
27 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	28
29 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	30
31 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	32
33 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	34
35 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	36
37 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	38
39 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	40
41 Space only	Note 2	#12	#12	#12	20	1	---	---	1	Note 2	---	---	Space only	42

Phase load totals A 2316 B 3940 C 3100

Notes for LR2:
 1 Feeder is (1) 1-1/2" - 4#1/0 + #4 GND THWN Copper
 2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating
 3 Provide GFCI - circuit 3