

480Y/277V 3-Phase 4-Wire LIGHTING PANEL Name: RA

Main: 100A MLO Door: Yes Min Sys IC: 15000 Fed from: MSG Neutral: 5/A Ground bar: Yes Provide 225A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	PHASE LOADS			TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
					A	B	C							
1 LIGHTS STAGE	Note 2	#12	#12	#12	20	1	1002	20	Note 2	#12	#12	#12	LIGHTS WORKSHOP	2
3 LIGHTS CTRL, OFF	Note 2	#12	#12	#12	20	1	2385	1	20	Note 2	#12	#12	LTS LOBBY MALL	4
5 LIGHTS TOILETS	Note 2	#12	#12	#12	20	1	1310	1	20	Note 2	#12	#12	LIGHTS RDM#1	6
7 LIGHTS RDM2	Note 2	#12	#12	#12	20	1	368	1	20	Note 2	#12	#12	LIGHTS RDM#8	8
9 LIGHTS RDM4	Note 2	#12	#12	#12	20	1	368	1	20	Note 2	#12	#12	LIGHTS RDM#5	10
11 LIGHTS RDM6	Note 2	#12	#12	#12	20	1	368	1	20	Note 2	#12	#12	LIGHTS RDM#7	12
13 LIGHTS RDM8	Note 2	#12	#12	#12	20	1	368	1	20	Note 2	#12	#12	LTS AUD FLR.MALL	14
15 LIGHTS HOUSE	Note 2	#12	#12	#12	20	1	1300	1	20	Note 2	#12	#12	LTS AUDI MEZZ	16
17 LIGHTS HOUSE	Note 2	#12	#12	#12	20	1	1105	1	20	Note 2	#12	#12	LTS AUDI ENTRY	18
19 AUDITORIUM HOIST	3/4"	#10	-	#10	20	3	2107	1	20	-	-	-	SPARE	20
21 -	-	#10	-	-	20	1	2106	1	20	-	-	-	SPARE	22
23 -	-	#10	-	-	20	1	2106	1	20	-	-	-	Space only	24
25 SPARE	-	-	-	-	20	1	---	---	---	-	-	-	Space only	26
27 SPARE	-	-	-	-	20	1	---	---	---	-	-	-	Space only	28
29 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space only	30

Phase load totals A 7480 B 7253 C 8601

Notes for RA:
 1 Feeder is (1) 1-1/2" - 482/0 - #6 GND THM Copper
 2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LE Section 1

Main: 225A MLO Door: Yes Min Sys IC: 10000 Fed from: DPL Neutral: 5/A Ground bar: Yes Provide 225A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	PHASE LOADS			TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
					A	B	C							
1 REC 155	Note 2	#12	#12	#12	20	1	720	1	20	Note 2	#12	#12	REC 148	2
3 REC 154	Note 2	#12	#12	#12	20	1	540	1	20	Note 2	#12	#12	REC 158	4
5 REC 151	Note 2	#12	#12	#12	20	1	540	1	20	Note 2	#12	#12	REC 158	6
7 BOF'S	Note 2	#12	#12	#12	20	1	1200	1	20	Note 2	#12	#12	REC 158	8
9 BOF'S	Note 2	#12	#12	#12	20	1	600	1	20	Note 2	#12	#12	REC 140	10
11 REC 158	Note 2	#12	#12	#12	20	1	540	1	20	Note 2	#12	#12	REC 147	12
13 REC 140	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	REC 140	14
15 REC 140	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	REC 140	16
17 REC 140	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	REC 140	18
19 REC 144	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	REC 141	20
21 REC 144	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	BOOTH A/V RACK	22
23 REC 142	Note 2	#12	#12	#12	20	1	1200	1	20	1/2"	#10	#10	BOOTH A/V RACK	24
25 REC 215	Note 2	#12	#12	#12	20	1	540	1	20	1/2"	#10	#10	FOLLOW SPOTLIGHT	26
27 REC 215	Note 2	#12	#12	#12	20	1	540	1	20	1/2"	#10	#10	REC MEZZARDNE	28
29 FOLLOW SPOTLIGHT	1/2"	#10	#10	#10	20	1	180	1	20	Note 2	#12	#12	REC MEZZARDNE	30
31 REC ROOFTOP	Note 2	#12	#12	#12	20	1	540	1	20	1/2"	#12	-	MANU/HRP-5	32
33 REC 144	Note 2	#12	#12	#12	20	1	720	1	20	Note 2	#12	#12	REC 144	34
35 REC 144	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	REC 144	36
37 SPARE	-	-	-	-	20	1	---	---	---	-	-	-	SPARE	38
39 SPARE	-	-	-	-	20	1	---	---	---	-	-	-	SPARE	40
41 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space only	42

Phase load totals A 8212 B 6660 C 7852

Notes for LE:
 1 Feeder is (1) 2-1/2" - 482/0 - #4 GND THM Copper
 2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating
 3 Provide GFCI - circuits 7-9

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: RP1 Section 1

Main: 225A MLO Door: Yes Min Sys IC: 10000 Fed from: DPL Neutral: 5/A Ground bar: Yes Provide 225A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	PHASE LOADS			TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
					A	B	C							
1 FPH-B CKT #1	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-B CKT #2	2
3 FPH-B CKT #3	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-B CKT #4	4
5 FPH-B CKT #5	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-B CKT #5	6
7 FPH-B CKT #7	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-B CKT #6	8
9 FPH-A CKT #1	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-A CKT #2	10
11 FPH-A CKT #3	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-A CKT #4	12
13 FPH-A CKT #5	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-A CKT #5	14
15 FPH-A CKT #7	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	FPH-A CKT #6	16
17 #1 CKT #1	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E1 CKT #2	18
19 #1 CKT #3	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E1 CKT #4	20
21 #1 CKT #5	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E1 CKT #6	22
23 #1 CKT #7	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E1 CKT #8	24
25 #2 CKT #1	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E2 CKT #2	26
27 #2 CKT #3	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E2 CKT #4	28
29 #2 CKT #5	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E2 CKT #6	30
31 #2 CKT #7	1/2"	#10	#10	#10	20	1	750	1	20	1/2"	#10	#10	E2 CKT #8	32
33 FB-USR CKT #1	1/2"	#10	#10	#10	20	1	300	1	20	1/2"	#10	#10	FB-USL CKT #1	34
35 FB-USR CKT #3	1/2"	#10	#10	#10	20	1	300	1	20	1/2"	#10	#10	FB-USL CKT #2	36
37 FB-USR CKT #5	1/2"	#10	#10	#10	20	1	300	1	20	1/2"	#10	#10	FB-USL CKT #3	38
39 FB-USR CKT #7	1/2"	#10	#10	#10	20	1	300	1	20	1/2"	#10	#10	FB-USL CKT #4	40
41 SPARE (D1M)	-	-	-	-	20	1	---	---	---	-	-	-	SPARE (REL)	42

Phase load totals A 9000 B 8700 C 8100

Notes for RP1:
 1 Feeder is (1) 3" - 482/0 - #4 GND THM Copper

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LA Section 1

Main: 225A MLO Door: Yes Min Sys IC: 10000 Fed from: DPL Neutral: 5/A Ground bar: Yes Provide 225A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	PHASE LOADS			TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
					A	B	C							
1 REC 213	Note 2	#12	#12	#12	20	1	900	1	20	Note 2	#12	#12	REC 170	2
3 REC 214	Note 2	#12	#12	#12	20	1	720	1	20	Note 2	#12	#12	REC 168	4
5 REC 170	Note 2	#12	#12	#12	20	1	720	1	20	Note 2	#12	#12	REC 168	6
7 REC 164	Note 2	#12	#12	#12	20	1	540	1	20	Note 2	#12	#12	REC 163	8
9 REC 164	Note 2	#12	#12	#12	20	1	300	1	20	Note 2	#12	#12	REC 163	10
11 REC 163	Note 2	#12	#12	#12	20	1	180	1	20	Note 2	#12	#12	REC 163	12
13 REC 163	Note 2	#12	#12	#12	20	1	180	1	20	Note 2	#12	#12	REC 163	14
15 REC 163	Note 2	#12	#12	#12	20	1	180	1	20	Note 2	#12	#12	REC 163	16
17 REC 163	Note 2	#12	#12	#12	20	1	180	1	20	Note 2	#12	#12	REC 163	18
19 COILING DOOR	1/2"	#10	#10	#10	30	1	1656	1	20	Note 2	#12	#12	REC 163	20
21 COILING DOOR	1/2"	#10	#10	#10	30	1	540	1	20	Note 2	#12	#12	REC 162	22
23 REC 159	Note 2	#12	#12	#12	20	1	1656	1	20	Note 2	#12	#12	REC 161	24
25 COILING DOOR	1/2"	#10	#10	#10	30	1	720	1	20	Note 2	#12	#12	REC 161	26
27 REC STAGE 159 BW	Note 2	#12	#12	#12	20	1	720	1	20	Note 2	#12	#12	REC 159	28
29 REC 159	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	REC 159	30
31 REC FB-1	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	REC 159	32
33 REC FB-1	Note 2	#12	#12	#12	20	1	360	1	20	Note 2	#12	#12	SWP-1	34
35 REC 159	Note 2	#12	#12	#12	20	1	540	1	20	Note 2	#12	#12	STAGE BACK	36
37 STAGE BACK	Note 2	#12	#12	#12	20	1	1200	1	20	Note 2	#12	#12	TOMH	38
39 PROJECTOR SCREEN	Note 2	#12	#12	#12	20	1	600	1	20	Note 2	#12	#12	REC AVB-USL	40
41 TOMH	Note 2	#12	#12	#12	20	1	360	1	20	1/2"	#10	#10	REC AVB-USR	42

Phase load totals A 15816 B 15215 C 12975

Notes for LA:
 1 Feeder is (1) 2-1/2" - 482/0 - #4 GND THM Copper
 2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LE Section 2

Main: 225A MLO Door: Yes Min Sys IC: 10000 Fed from: Section 1 Neutral: 5/A Ground bar: Yes

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	PHASE LOADS			TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
					A	B	C							
43 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space only	44
45 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space (RELAY)	46
47 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space (RELAY)	48
49 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space only	50
51 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space only	52
53 Space only	-	-	-	-	---	---	---	---	---	-	-	-	Space only	54

Phase load totals A 8212 B 6660 C 7852

Notes for LE:
 1 Feeder is (1) 2-1/2" - 482/0 - #4 GND THM Copper
 2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating
 3 Provide GFCI - circuits 7-9

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: RP1 Section 2

Main: 225A MLO Door: Yes Min Sys IC: 10000 Fed from: Section 1 Neutral: 5/A Ground bar: Yes

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	PHASE LOADS			TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
					A	B	C							
43 SPARE (D1M)	-	-	-	-	---	---	---	---	---	-	-	-	SPARE (RELAY)	44
45 SPARE (D1M)	-	-	-	-	---	---	---	---	---	-	-	-	SPARE (RELAY)	46
47 SPARE (D1M)	-	-	-	-	---	---	---	---	---					