Branch Panel: A8

Location: EQUIPMENT PLATFORM 200 **Supply From:** LVDP **Mounting:** Surface **Enclosure:** Type 1

Volts: 120/208 Wye **Phases:** 3 **Wires:** 4

A.I.C. Rating: **Mains Type:** MLO **Mains Rating:** 100 A **Isolated Ground Bus:**

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	AUD #8 LIGHTING	20 A	1	313 VA			707 VA			1	20 A	AUD #8 SEATING ROW A	2
3	AUD #8 SEATING ROW B	20 A	1		808 VA			808 VA		1	20 A	AUD #8 SEATING ROW C	4
5	AUD #8 SEATING ROW D	20 A	1			808 VA			404 VA	1	20 A	AUD #8 SEATING ROW E	6
7	AUD #8 SEATING ROW F	20 A	1	606 VA			606 VA			1	20 A	AUD #8 SEATING ROW G	8
9	AUD #8 SEATING ROW H	20 A	1		707 VA			909 VA		1	20 A	AUD #8 SEATING ROW I	10
11	AUD #8 PLATFORM RECEPTACLES	20 A	1			360 VA			2500...	3	50 A	AUD #8 PROJECTOR CONSOLE	12,14...
13	AUD #8 AISLE LIGHTING TRANSFORMERS	20 A	1	500 VA			2500...			--	--	--	
15,17	AUD #8 AUDIO RACK	60 A	2		2500...			2500...		--	--	--	
	--	--	--			2500...			360 VA	1	20 A	AUD #8 DTDS	18
19	AUD #8 PROJECTOR EXHAUST EF-8	20 A	1	528 VA			720 VA			1	20 A	AUD #8 CONVENIENCE RECEPTACLES	20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	6404 VA		8232 VA		6932 VA					
			Total Amps:	53 A		69 A		58 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	5000 VA	125.00%	6250 VA		
Other	95 VA	100.00%	95 VA	Total Conn. Load:	21565 VA
Receptacle	1440 VA	100.00%	1440 VA	Total Est. Demand:	23919 VA
Power	528 VA	100.00%	528 VA	Total Conn.:	60 A
Lighting	8234 VA	125.00%	10293 VA	Total Est. Demand:	66 A
Seating Motors	6363 VA	85.00%	5409 VA		

Notes:

Branch Panel: P1

Location: ELECTRICAL 132 **Supply From:** XFMR P1 **Mounting:** Surface **Enclosure:** Type 1

Volts: 120/208 Wye **Phases:** 3 **Wires:** 4

A.I.C. Rating: 10,000 **Mains Type:** **Mains Rating:** 225 A **MCB Rating:** 225 A **Isolated Ground Bus:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1,3	BASEBOARD HEATERS BH-3 & BH-4	20 A	2	998 VA	894 VA					2	20 A	BASEBOARD HEATERS BH-1 & BH-2	2,4
	--	--	--			998 VA	894 VA			--	--	--	
5,7	BASEBOARD HEATERS BH-7 & BH-8	20 A	2					998 VA	998 VA	2	20 A	BASEBOARD HEATERS BH-5 & BH-6	6,8
	--	--	--	998 VA	998 VA					--	--	--	
9,11	UNIT HEATER UH-1	35 A	2			3130...	360 VA			1	20 A	SECURITY OFFICE IG RECEPTACLES	10
	--	--	--					3130...	1080...	1	20 A	ILLUMINATED POSTER CASES	12
13	ILLUMINATED POSTER CASES	20 A	1	1260...	1260...					1	20 A	ILLUMINATED POSTER CASES	14
15	DIGITAL AUDITORIUM SIGNAGE	20 A	1			720 VA	900 VA			1	20 A	DIGITAL AUDITORIUM SIGNAGE	16
17	HAND DRYER	20 A	1					1440...	1440...	1	20 A	HAND DRYER	18
19	HAND DRYER	20 A	1	1440...	1440...					1	20 A	HAND DRYER	20
21	PAPER TOWEL DISPENSERS	20 A	1			540 VA	720 VA			1	20 A	DIGITAL BOX OFFICE MONITORS	22
23	POLYTOUCH MONITORS	20 A	1					900 VA	720 VA	1	20 A	BOX OFFICE POINT OF SALE	24
25	GUEST SERVICES POINT OF SALE	20 A	1	720 VA	1080...					1	20 A	Receptacle	26
27	FLOOR LAMP RECEPTACLES	20 A	1			540 VA	360 VA			1	20 A	SECURITY OFFICE IG RECEPTACLES	28
29	SECURITY OFFICE IG RECEPTACLES	20 A	1					360 VA	360 VA	1	20 A	SECURITY OFFICE IG RECEPTACLES	30
31	SECURITY POWER SUPPLY	20 A	1	0 VA	0 VA					1	20 A	SECURITY POWER SUPPLY	32
33	SECURITY CONTROL PANEL	20 A	1			180 VA	180 VA			1	20 A	SECURITY CONTROL PANEL	34
35	MANAGER'S OFFICE IG RECEPTACLES	20 A	1					360 VA	1260...	1	20 A	MANAGER'S OFFICE AND ADMIN OFFICE...	36
37	ADMIN OFFICE IG RECEPTACLES	20 A	1	540 VA	360 VA					1	20 A	ADMIN OFFICE IG RECEPTACLES	38
39	ADMIN OFFICE RECEPTACLES	20 A	1			1080...	720 VA			1	20 A	COUNT ROOM AND VAULT RECEPTACLES	40
41	COUNT ROOM IG RECEPTACLES	20 A	1					360 VA	1260...	1	20 A	ELECTRICAL AND SUPPORT RECEPTACLES	42
43	DCDC RACK	20 A	1	500 VA	1800...					1	30 A	LIBRARY SERVER RACK L5-30R	44
45	PRESHOW RACK	20 A	1			500 VA	500 VA			1	20 A	MDF RACK	46
47	I.T. ROOM RECEPTACLES	20 A	1					540 VA	1440...	1	20 A	BREAK ROOM AND SUPPORT RECEPTACLES	48
49	HALLWAY CONVENIENCE RECEPTACLES	20 A	1	1080...	900 VA					1	20 A	HALLWAY CONVENIENCE RECEPTACLES	50
51	HOT WATER CIRC. PUMP PP-1	20 A	1			528 VA	528 VA			1	20 A	HOT WATER CIRC. PUMP PP-2	52
53	PNEUMATIC TUBE SYSTEM	20 A	1					400 VA	500 VA	1	20 A	FIRE ALARM CONTROL PANEL	54
55	SUPPORT AND ELECTRICAL ROOM LIGHTING	20 A	1	512 VA	250 VA					1	20 A	OFFICE LIGHTING	56
57	RESTROOM LIGHTING	20 A	1			680 VA	55 VA			1	20 A	OFFICE AND BREAK ROOM LIGHTING	[illegible]
59	SPARE	20 A	1					0 VA	1115...	1	20 A	CORRIDOR LIGHTING	[illegible]
61	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	[illegible]
63	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	[illegible]
65	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	68
69	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	70
71	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	[illegible]
73	SPARE	20 A	1	0 VA	0 VA					1	[illegible]	SPARE	[illegible]
75	SPARE	20 A	1			0 VA	0 VA			1	[illegible]	SPARE	[illegible]
77	SPARE	20 A	1					0 VA	0 VA	1	[illegible]	SPARE	78
79	SPARE	20 A	1	0 VA	0 VA					1	[illegible]	SPARE	80
81	SPARE	20 A	1			0 VA	0 VA			[illegible]	20 A	[illegible]	82
83	SPARE	20 A	1					[illegible]	0 VA	[illegible]	20 A	[illegible]	84
			Total Load:	17015 VA		14042 VA		[illegible]					
			Total Amps:	146 A		117 A		[illegible]					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Dwelling Unit	341 VA	100.00%	[illegible]		
Motor	6261 VA	[illegible]	[illegible]	Total Conn. Load:	49718 VA
Other	378 VA	[illegible]	[illegible]	Total Est. Demand:	47553 VA
Receptacle	19500 VA	[illegible]	[illegible]	Total Conn.:	138 A
Power	19175 VA	[illegible]	[illegible]	Total Est. Demand:	132 A
Lighting	[illegible]	[illegible]	5116 VA		

Notes:

Switchboard: RTDP

Location: EQUIPMENT PLATFORM 200 **Supply From:** MDP **Mounting:** **Enclosure:**

Volts: 480/277 Wye **Phases:** 3 **Wires:** 4

A.I.C. Rating: **Mains Type:** MLO **Mains Rating:** **MCB Rating:** 0 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	RTU-1	3	400 A	30 A	21034 VA	
2	RTU-1A	3	400 A	25 A	14549 VA	
3	RTU-2	3	400 A	30 A	21034 VA	
4	RTU-3	3	400 A	30 A	21034 VA	
5	RTU-4	3	400 A	30 A	21034 VA	
6	RTU-5	3	400 A	30 A	21034 VA	
7	RTU-6	3	400 A	25 A	14549 VA	
8	RTU-7	3	400 A	25 A	14549 VA	
9	RTU-8	3	400 A	30 A	21034 VA	
10	RTU-9	3	400 A	60 A	36581 VA	
11	RTU-10	3	400 A	35 A	22364 VA	
12	RTU-11	3	400 A	35 A	[illegible]	
13	RTU-12	3	400 A	60 A	[illegible]	
14	RTU-13	3	400 A	25 A	[illegible]	
15	RTU-14	3	400 A	30 A	[illegible]	
16	RTU-15	3	400 A	[illegible]	[illegible]	
17	RTU-16	3	400 A	25 A	[illegible]	
18						
19						
20						
				Total Conn. Load:	[illegible]	
				Total Amps:	417 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	[illegible]	[illegible]	346438 VA		
				Total Conn. Load:	346438 VA
				Total Est. Demand:	346438 VA
				Total Conn.:	417 A
				Total Est. Demand:	417 A

Notes:

Branch Panel: P2

Location: EQUIPMENT PLATFORM 200 **Supply From:** LVDP **Mounting:** Surface **Enclosure:** Type 1

Volts: 120/208 Wye **Phases:** 3 **Wires:** 4

A.I.C. Rating: 10,000 **Mains Type:** **Mains Rating:** 225 A **MCB Rating:** 225 A **Isolated Ground Bus:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	CANOPY MOUNTED AMC SIGN	20 A	1	240 VA	1200...					1	20 A	NORTH EXTERIOR AMC SIGN	2
3	WEST EXTERIOR AMC SIGN	20 A	1			1200...	1200...			1	20 A	WEST EXTERIOR DOLBY SIGN	4
5,7,9	WALK-IN COOLER COND. UNIT	20 A	3					505 VA	1505...	3	25 A	WALK-IN FREEZER COND. UNIT	6,8,10
	--	--	--	505 VA	1505...					--	--	--	
	--	--	--			505 VA	1505...			--	--	--	
11	RESTROOM EXHAUST FAN EF-9	20 A	1					696 VA	969 VA	1	20 A	RESTROOM EXHAUST FAN EF-10	12
13	RESTROOM EXHAUST FAN EF-11	20 A	1	969 VA	1046...					1	20 A	FRONT ENTRY LIGHTING	14
15	INTERIOR AMC SIGN	20 A	1			360 VA	1403...			1	20 A	LOWER MURAL WALL WASH LIGHTING	16
17	UPPER MURAL WALL WASH LIGHTING	20 A	1					1403...	432 VA	1	20 A	PROJECTION LEVEL LIGHTING	18
19	FRONT LOBBY LIGHTING	20 A	1	1227...	1419...					1	20 A	EXTERIOR LIGHTING	20
21	Spare	20 A	1			0 VA	96 VA			1	20 A	EXTERIOR LIGHTING	22
23	Spare	20 A	1					0 VA	738 VA	1	20 A	FRONT LOBBY LIGHTING	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
			Total Load:	8087 VA		6174 VA		6248 VA					
			Total Amps:	67 A		51 A		52 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	500 VA	125.00%	625 VA		
Other	2065 VA	100.00%	2065 VA	Total Conn. Load:	20501 VA
Power	9554 VA	100.00%	9554 VA	Total Est. Demand:	22723 VA
Lighting	8395 VA	125.00%	10493 VA	Total Conn.:	57 A
				Total Est. Demand:	63 A

Notes:

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