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SHEET LEGEND
0000: GENERAL INFORMATION & SCOPE OF WORK
1000: ELECTRICAL PANELS & DETAILS
2000: ELECTRICAL WIRING & DETAILS
3000: ELECTRICAL CONDUIT & TRAYS
4000: ELECTRICAL EQUIPMENT & DETAILS
5000: ELECTRICAL SERVICE PANELS
6000: ELECTRICAL WIRING & DETAILS
7000: ELECTRICAL PANELS & DETAILS
8000: ELECTRICAL WIRING & DETAILS
9000: ELECTRICAL EQUIPMENT & DETAILS

MADISON YARDS 8
405 NEW BUILD
905 MEMORIAL DRIVE SE
ATLANTA, GA 30316



American Multi-Cinema, Inc.
One AMC Way
11500 Ash Street
Lawrenceville, GA 30043-1111

KEY PLAN
Project Issue Date: _____

SHEET TITLE:
ELECTRICAL SCHEDULES
SHEET NUMBER:
E802

Scale: AS SHOWN

Switchboard: RTDP

Location: EQUIPMENT PLATFORM 200
Supply From: MDP
Mounting: Surface
Enclosure: _____

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

A.I.C. Rating: M.L.O.
Mains Type: M.L.O.
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	21254 VA	
2	RTU-1A	3	400 A	25 A	14548 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	14548 VA	
8	RTU-7	3	400 A	25 A	14548 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	22284 VA	
12	RTU-11	3	400 A	35 A	22284 VA	
13	RTU-12	3	400 A	60 A	36581 VA	
14	RTU-13	3	400 A	25 A	14548 VA	
15	RTU-14	3	400 A	30 A	21034 VA	
16	RTU-15	3	400 A	30 A	21034 VA	
17	RTU-16	3	400 A	30 A	21034 VA	

Total Conn. Load: 346436 VA
Total Est. Demand: 346436 VA
Total Conn. Load: 346436 VA
Total Est. Demand: 346436 VA

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

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		2	20 A	NORTH EXTERIOR AMC SIGN	2	
3	WEST EXTERIOR AMC SIGN	20 A	1	1200	1200		2	20 A	WEST EXTERIOR DOLEY SIGN	4	
5,7,9	WALK-IN COOLER COND. UNIT	20 A	3	506 VA	1506	505 VA	1505	3	25 A	WALK-IN FREEZER COND. UNIT	6,8,10
11	RESTROOM EXHAUST FAN EF-9	20 A	1	850 VA	1048	636 VA	989 VA	1	20 A	RESTROOM EXHAUST FAN EF-10	12
13	RESTROOM EXHAUST FAN EF-11	20 A	1	850 VA	1048	636 VA	989 VA	1	20 A	FRONT ENTRY LIGHTING	14
15	INTERIOR AMC SIGN	20 A	1	960 VA	1403			1	20 A	LOWER MURAL WALL WASH LIGHTING	16
17	UPPER MURAL WALL WASH LIGHTING	20 A	1	1227	1419	1403	432 VA	1	20 A	PROJECTION LEVEL LIGHTING	18
19	FRONT LOBBY LIGHTING	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	EXTERIOR LIGHTING	20
21	Spare	20 A	1	0 VA	0 VA	0 VA	738 VA	1	20 A	FRONT LOBBY LIGHTING	24
23	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	26
25	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	28
27	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	30
29	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	32
31	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	34
33	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	36
35	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	38
37	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	40
39	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	42
41	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	44

Total Load: 8687 VA
Total Amps: 67 A
51 A
52 A

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	600 VA	125.00%	600 VA	Total Conn. Load: 20501 VA
Other	2085 VA	100.00%	2085 VA	Total Est. Demand: 22729 VA
Power	8395 VA	125.00%	8395 VA	Total Conn.: 67 A
Lighting	8395 VA	125.00%	10493 VA	Total Est. Demand: 185 A

Notes:

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: M.L.O.
Mains Type: M.L.O.
Mains Rating: 100 A
MCB Rating: _____

Notes:

CKT	Circuit Description	Trip	Poles	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		608 VA		1	20 A	AUD #8 SEATING ROW C	4
5	AUD #8 SEATING ROW D	20 A	1	808 VA		434 VA		1	20 A	AUD #8 SEATING ROW E	6
7	AUD #8 SEATING ROW F	20 A	1	608 VA		608 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	350 VA		2500		3	50 A	AUD #8 PROJECTOR CONSOLE	12,14
13	AUD #8 AISLE LIGHTING TRANSFORMERS	20 A	1	500 VA		2500		3	50 A		14
15,17	AUD #8 ALIQUOT RACK	60 A	2	2500		2500		---	---		---
19	AUD #8 PROJECTOR EXHAUST EF-8	20 A	1	528 VA		720 VA		1	20 A	AUD #8 DTDS	18
21									20 A	AUD #8 CONVENIENCE RECEPTACLES	20
23									20 A		22
25									20 A		24
27									20 A		26
29									20 A		28
31									20 A		30
33									20 A		32
35									20 A		34
37									20 A		36
39									20 A		38
41									20 A		40
									20 A		42

Total Load: 6404 VA
Total Amps: 53 A
8232 VA
89 A
8932 VA
58 A

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	5000 VA	125.00%	6250 VA	Total Conn. Load: 21965 VA
Other	95 VA	100.00%	95 VA	Total Est. Demand: 23919 VA
Power	1440 VA	100.00%	1440 VA	Total Conn.: 160 A
Lighting	8234 VA	125.00%	10293 VA	Total Est. Demand: 66 A
Seating Motors	6383 VA	95.00%	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

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	994 VA			2	20 A	BASEBOARD HEATERS BH-5 & BH-6	2,4
5,7	BASEBOARD HEATERS BH-7 & BH-8	20 A	2	998 VA	998 VA	998 VA	998 VA	2	20 A		6,8
9,11	UNIT HEATER UH-1	35 A	2	999 VA	996 VA			---	---		---
13	ILLUMINATED POSTER CASES	20 A	1	1200		3130	1080	1	20 A	ILLUMINATED POSTER CASES	12
15	DIGITAL AUDITORIUM SIGNAGE	20 A	1	720 VA	900 VA			1	20 A	DIGITAL AUDITORIUM SIGNAGE	14
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	640 VA	720 VA			1	20 A	DIGITAL BOX OFFICE MONITORS	22
23	POLYTONOR MONITORS	20 A	1	900 VA	720 VA			1	20 A	SECURITY POWER SUPPLY	24
25	GUEST SERVICES POINT OF SALE	20 A	1	720 VA	1090			1	20 A	Receptacles	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	390 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	LOCK RACK	20 A	1	500 VA	1800			1	20 A	LIBRARY SERVER RACK LS-30R	44
45	PRESHOW RACK	20 A	1	500 VA	500 VA			1	20 A	MDR RACK	46
47	I.T. ROOM RECEPTACLES	20 A	1	1080	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 #1-A	20 A	1	528 VA	528 VA			1	20 A	HOT WATER CIRC. PUMP #2	52
53	PNEUMATIC TUBE SYSTEM	20 A	1	400 VA	900 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	85 VA			1	20 A	OFFICE AND BREAK ROOM LIGHTING	58
59	SPARE	20 A	1	0 VA	0 VA	0 VA	1115	1	20 A	CORRIDOR LIGHTING	60
61	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	62
63	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	64
65	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	68
69	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	70
71	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	72
73	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	74
75	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	76
77	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	78
79	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	80
81	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	82
83	SPARE	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	SPARE	84

Total Load: 17015 VA
Total Amps: 146 A
117 A
109 A

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting - Dwelling Unit	94 VA	100.00%	94 VA	Total Conn. Load: 48718 VA
Motor	6201 VA	125.00%	7751 VA	Total Est. Demand: 47553 VA
Other	378 VA	100.00%	378 VA	Total Conn.: 132 A
Receptacles	19500 VA	75.94%	14750 VA	Total Est. Demand: 132 A
Power	19175 VA	0.00%	19175 VA	
Lighting	950 VA	100.00%	5116 VA	

Notes:

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