

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FINISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS, WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE ELECTRICAL COMPANY AND THE GENERAL CONTRACTOR.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS, M-2 MC MAY BE USED FOR LIGHTING WIRES.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
12. MINIMUM CONDUCTOR SIZE SHALL BE #12 CU, 600V INSULATION, MINIMUM SIZE CONDUIT SHALL BE 1/2" RIGID PVC FOR INTERIOR USE, USE STRANDED CU CONDUCTORS OR MC CABLE FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES.
13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
15. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71 & 250-72.
16. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
17. FUSES SHALL BE LIT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
18. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
19. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
20. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CALKED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)

**PANEL MDP-1
LOADING REAR RIGHT EXIT DOOR
FEEDING SOURCE CLECO**

VOLTAGE 200/240V 200A 1Ø 3W/4W MAIN FROM
ENCLOSURE SURFACE MOUNTED W/ EQUIPMENT SHD BAR

REQ	DESCRIPTION	AMPS	FEED	LOAD (VA)	FEED	AMPS	LOAD DESCRIPTION	REQ
1	PVC UNIF #1	20	3	3040	3	20	PVC UNIF UNIF #2	4
2	9 OIL WATER HEATERS	20	2	2000	2	20	PURIFIER & OIL WATER HEATERS	6
3	TOTAL LIGHT & RECEPTACLE	20	1	200	1	20	TOTAL LIGHT & RECEPTACLE	12
4	OFFICE RECEPTACLES	20	1	800	1	20	VIA RECEPTACLES	14
5	WATERPOOR RECEPTACLES	20	1	1120	1	20	VIA RECEPTACLES	16
6	PURIFIER OFFICE RECEPTACLES	20	1	960	1	20	VIA RECEPTACLES	18
7	VIA. HIGH BAY LIGHTS	20	1	1000	1	20	VIA. HIGH BAY LIGHTS	20
8	VIA. HIGH BAY LIGHTS	20	1	1000	1	20	VIA. HIGH BAY LIGHTS	22
9	VIA. HIGH BAY LIGHTS	20	1	1000	1	20	VIA. HIGH BAY LIGHTS	24
10	ALL OUTLET/OUTLET LIGHTS	20	1	200	1	20	CHANGING RECEPTACLE PLANT	26
11	SPACE	20	1	-	1	20	SPACE	28
12	SPACE	20	1	-	1	20	SPACE	30
13	SPACE	20	1	-	1	20	SPACE	32
14	SPACE	20	1	-	1	20	SPACE	34
15	SPACE	20	1	-	1	20	SPACE	36
16	SPACE	20	1	-	1	20	SPACE	38
17	SPACE	20	1	-	1	20	SPACE	40
18	SPACE	20	1	-	1	20	SPACE	42
19	SPACE	20	1	-	1	20	SPACE	44
20	SPACE	20	1	-	1	20	SPACE	46
21	SPACE	20	1	-	1	20	SPACE	48
22	SPACE	20	1	-	1	20	SPACE	50
23	SPACE	20	1	-	1	20	SPACE	52
24	SPACE	20	1	-	1	20	SPACE	54
25	SPACE	20	1	-	1	20	SPACE	56
26	SPACE	20	1	-	1	20	SPACE	58
27	SPACE	20	1	-	1	20	SPACE	60
28	SPACE	20	1	-	1	20	SPACE	62
29	SPACE	20	1	-	1	20	SPACE	64
30	SPACE	20	1	-	1	20	SPACE	66
31	SPACE	20	1	-	1	20	SPACE	68
32	SPACE	20	1	-	1	20	SPACE	70
33	SPACE	20	1	-	1	20	SPACE	72
34	SPACE	20	1	-	1	20	SPACE	74
35	SPACE	20	1	-	1	20	SPACE	76
36	SPACE	20	1	-	1	20	SPACE	78
37	SPACE	20	1	-	1	20	SPACE	80
38	SPACE	20	1	-	1	20	SPACE	82
39	SPACE	20	1	-	1	20	SPACE	84
40	SPACE	20	1	-	1	20	SPACE	86
41	SPACE	20	1	-	1	20	SPACE	88
42	SPACE	20	1	-	1	20	SPACE	90
43	SPACE	20	1	-	1	20	SPACE	92
44	SPACE	20	1	-	1	20	SPACE	94
45	SPACE	20	1	-	1	20	SPACE	96
46	SPACE	20	1	-	1	20	SPACE	98
47	SPACE	20	1	-	1	20	SPACE	100
48	SPACE	20	1	-	1	20	SPACE	102
49	SPACE	20	1	-	1	20	SPACE	104
50	SPACE	20	1	-	1	20	SPACE	106
51	SPACE	20	1	-	1	20	SPACE	108
52	SPACE	20	1	-	1	20	SPACE	110
53	SPACE	20	1	-	1	20	SPACE	112
54	SPACE	20	1	-	1	20	SPACE	114
55	SPACE	20	1	-	1	20	SPACE	116
56	SPACE	20	1	-	1	20	SPACE	118
57	SPACE	20	1	-	1	20	SPACE	120
58	SPACE	20	1	-	1	20	SPACE	122
59	SPACE	20	1	-	1	20	SPACE	124
60	SPACE	20	1	-	1	20	SPACE	126
61	SPACE	20	1	-	1	20	SPACE	128
62	SPACE	20	1	-	1	20	SPACE	130
63	SPACE	20	1	-	1	20	SPACE	132
64	SPACE	20	1	-	1	20	SPACE	134
65	SPACE	20	1	-	1	20	SPACE	136
66	SPACE	20	1	-	1	20	SPACE	138
67	SPACE	20	1	-	1	20	SPACE	140
68	SPACE	20	1	-	1	20	SPACE	142
69	SPACE	20	1	-	1	20	SPACE	144
70	SPACE	20	1	-	1	20	SPACE	146
71	SPACE	20	1	-	1	20	SPACE	148
72	SPACE	20	1	-	1	20	SPACE	150
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82	SPACE	20	1	-	1	20	SPACE	170
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87	SPACE	20	1	-	1	20	SPACE	180
88	SPACE	20	1	-	1	20	SPACE	182
89	SPACE	20	1	-	1	20	SPACE	184
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91	SPACE	20	1	-	1	20	SPACE	188
92	SPACE	20	1	-	1	20	SPACE	190
93	SPACE	20	1	-	1	20	SPACE	192
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102	SPACE	20	1	-	1	20	SPACE	210
103	SPACE	20	1	-	1	20	SPACE	212
104	SPACE	20	1	-	1	20	SPACE	214
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110	SPACE	20	1	-	1	20	SPACE	226
111	SPACE	20	1	-	1	20	SPACE	228
112	SPACE	20	1	-	1	20	SPACE	230
113	SPACE	20	1	-	1	20	SPACE	232
114	SPACE	20	1	-	1	20	SPACE	234
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116	SPACE	20	1	-	1	20	SPACE	238
117	SPACE	20	1	-	1	20	SPACE	240
118	SPACE	20	1	-	1	20	SPACE	242
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121	SPACE	20	1	-	1	20	SPACE	248
122	SPACE	20	1	-	1	20	SPACE	250
123	SPACE	20	1	-	1	20	SPACE	252
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125	SPACE	20	1	-	1	20	SPACE	256
126	SPACE	20	1	-	1	20	SPACE	258
127	SPACE	20	1	-	1	20	SPACE	260
128	SPACE	20	1	-	1	20	SPACE	262
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130	SPACE	20	1	-	1	20	SPACE	266
131	SPACE	20	1	-	1	20	SPACE	268
132	SPACE	20	1	-	1	20	SPACE	270
133	SPACE	20	1	-	1	20	SPACE	272
134	SPACE	20	1	-	1	20	SPACE	274
135	SPACE	20	1	-	1	20	SPACE	276
136	SPACE	20	1	-	1	20	SPACE	278
137	SPACE	20	1	-	1	20	SPACE	280
138	SPACE	20	1	-	1	20	SPACE	282
139	SPACE	20	1	-	1	20	SPACE	284
140	SPACE	20	1	-	1	20	SPACE	286
141	SPACE	20	1	-	1	20	SPACE	288
142	SPACE	20	1	-	1	20	SPACE	290
143	SPACE	20	1	-	1	20	SPACE	292
144	SPACE	20	1	-	1	20	SPACE	294
145	SPACE	20	1	-	1	20	SPACE	296
146	SPACE	20	1	-	1	20	SPACE	29