



PANEL: MDP

VOLTAGE 480/277,3Ø,4W

2000 AMP
FACTORY MAIN CIRCUIT BREAKER
SHUNT TRIP MAIN CB
MAIN LUGS ONLY
UL LISTED FEED-THRU LUGS

NEUTRAL 100% 200%

MOUNTING SURFACE RECESSED
FREE STANDING (FRONT ACCESS ONLY)
FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURE NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
NEMA 3R
NEMA 4X 320 STAINLESS STEEL
LOCKABLE COVER

FEED TOP
BOTTOM

BRANCHES BOLT-ON, PANELBOARD CONSTR
FUSIBLE SWITCHES, FURNISH ALL FUSES...
PLUG-ON, LOADCENTER CONSTR.

A.I.C. Rating: 65k

FULLY RATED
SERIES RATED
FURNISH GROUND BAR KIT
FURNISH ADDITIONAL
ISOLATED GROUND BAR KIT
SERVICE ENTRANCE LABEL

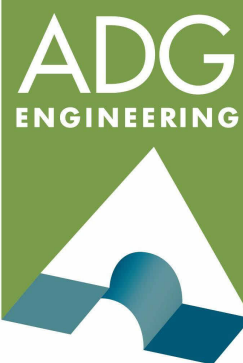
ALL COPPER BUSSING

CKT #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	# POLES	A	B	C	A	B	C	# POLES	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT #
1																					2
3	300 A	250	4	2-1/2"	CHILLER-1		3	50325...		50325 VA			50325...	3		CHILLER-2	2-1/2"	4	250	300 A	4
5								50325 VA		4101 VA			50325...								6
7								4212 VA		4101 VA			4101 VA	3	*	ELEVATOR 102	3/4"	10	10	35 A	10
9	35 A	10	10	3/4"	ELEVATOR 101	*	3	26711...	4212 VA	26567 VA		4101 VA									12
11								25174...		30259...			33014...	3		PANEL P1A	2-1/2"	4	4/0	225 A	16
13	150 A	1/0	6	2"	PANEL XP1A (TRANSFER SWITCH)		3	20347...	28047 VA	70878 VA											18
15								16815...		70878...				3		PANEL CP	3"	3	500	400 A	20
17								47447...	12599 VA	64784 VA		70878...									22
21	225 A	4/0	4	2-1/2"	PANEL PK		3	39726...		61274...				3		PANEL P2B	2-1/2"	4	4/0	225 A	24
23								44098 VA		63402...											26
25	225 A	4/0	4	2-1/2"	PANEL P1B		3	29974...	22133...	25383 VA		17417...		3		PANEL P3A	2-1/2"	4	4/0	225 A	28
27								24233 VA		19811...											30
29	225 A	4/0	4	2-1/2"	PANEL P2A		3	26904...	26167...	32773 VA		34209...		3		PANEL P4A	2-1/2"	4	4/0	225 A	32
31								0 VA													34
33	125 A	1	6	2"	PANEL P3B		3	26174 VA		31168...											36
35																					38
37																					40
39	100 A	--	--	--	SPD	--	3	0 VA	0 VA	0 VA											42
41																					44
43																					46
45																					48
47																					50
49																					52
51																					54
53																					56
55																					58
57																					60
59																					

TOTAL LOAD = 1258...
TOTAL AMPS = 1514 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Elevator	24941 VA	95.00%	23694 VA	
Equipment	102088 VA	100.00%	102088 VA	Total Conn. Load: 1396131 VA
LIGHTING	52009 VA	100.00%	52009 VA	Total Est. Load: 1258.5 kVA
Other	2640 VA	100.00%	2640 VA	Total Conn.: 1679 A
Power	90396 VA	100.00%	90396 VA	Total Est. Amps: 1514 A
RECEP	282760 VA	51.77%	146390 VA	
A/C SPLIT SYSTEM	110113 VA	100.00%	110113 VA	
HEAT STRIP/ELEC HEAT	178776 VA	100.00%	178776 VA	
COOKING/ KITCHEN	6240 VA	100.00%	6240 VA	
WATER HEATING	19 VA	100.00%	19 VA	
CHILLER	301950 VA	100.00%	301950 VA	
EF	6912 VA	100.00%	6912 VA	
PUMP	173106 VA	100.00%	173106 VA	
TERMINAL BOX	59162 VA	100.00%	59162 VA	
Receptacle	5000 VA	100.00%	5000 VA	

Notes:
*Shunt Trip Circuit Breaker



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