

RFI 014

A.I.C. Rating: 65,000
Mains Type: MCB
Mains Rating: 400 A
Circuits: 42

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1				6,667 VA	10,000 VA								2
3	RTU-1 — roof unit 4#8, 1#10 G., 3/4"C.	35 A	3			6,667 VA	10,000 VA			3	60 A	ELEV-1 — elevator 4#6, 1#10 G., 1"C.	4
5								6,667 VA	10,000 VA				6
7				6,667 VA	6,400 VA								8
9	RTU-2 — roof unit 4#8, 1#10 G., 3/4"C.	35 A	3			6,667 VA	6,400 VA			3	40 A	EVSE-1 — EV charger 4#8, 1#10 G., 3/4"C.	10
11								6,667 VA	6,400 VA				12
13				4,667 VA	4,000 VA								14
15	RTU-3 — roof unit 4#10, 1#10 G., 3/4"C.	25 A	3			4,667 VA	4,000 VA			3	30 A	SHOP-1 — shop panel feed 4#10, 1#10 G., 3/4"C.	16
17								4,667 VA	4,000 VA				18
19				4,667 VA	2,667 VA								20
21	RTU-4 — roof unit 4#10, 1#10 G., 3/4"C.	25 A	3			4,667 VA	2,667 VA			3	20 A	P-1 — condenser pump	22
23								4,667 VA	2,667 VA				24
25				8,333 VA	1,667 VA								26
27	AC-1 — air compressor 4#8, 1#10 G., 3/4"C.	45 A	3			8,333 VA	1,667 VA			3	15 A	EF-1 — exhaust fan	28
29								8,333 VA	1,667 VA				30
31				7,000 VA	1,800 VA					1	20 A	LTG — mech room 277 V	32
33	UH-1 — unit heater	30 A	3			7,000 VA	1,600 VA			1	20 A	LTG — roof / stair 277 V	34
35								7,000 VA	2,000 VA	1	20 A	LTG — exterior 277 V	36
37				5,000 VA	1,800 VA					1	20 A	LTG — canopy 277 V	38
39	UH-2 — unit heater	30 A	3			5,000 VA	--			1	--	SPACE	40
41	Hold both spaces for the future fifth roof unit.							5,000 VA	--	1	--	SPACE	42

Total Load:		71,333 VA	69,333 VA	69,733 VA		
Total Amps:		258 A	250 A	252 A		
Load Classification	Connected Load	Demand Factor		Estimated Demand	Panel Totals	
Cooling	68,000 VA	100.00 %		68,000 VA	Total Conn. Load:	210,400 VA
Elevator	30,000 VA	100.00 %		30,000 VA	Total Est. Demand:	176,200 VA
EV Charger	19,200 VA	125.00 %		24,000 VA	Conn. current:	253 A
Heating	36,000 VA	noncoincident		—	Est. demand current:	212 A
Lighting	7,200 VA	125.00 %		9,000 VA	Min. feeder / OCPD:	212 A
Motor	38,000 VA	100.00 %		38,000 VA	Largest phase:	258 A on A
Shop Equipment	12,000 VA	60.00 %		7,200 VA		

Ampsheat

Automated checks against the values entered. Ampsheet cannot see the actual installation — confirm anything flagged here against the equipment and the code edition adopted in your jurisdiction.

210.20(A)

220.60