



PANEL ACP3
VOLTAGE: 277 / 480
PHASE WIRE: 3 PH, 4 W
125 AMP MAIN LUGS
A.I.C. MOUNTED: 14k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT
1	RESIDENT ROOMS 110, 111, 112	1	20	2	12	0.8	A	0.8	4	2	3	100	TRANSFORMER TAC	2
3	RESIDENT ROOMS 205, 206	1	20	2	12	0.8	B	1.3	2	12	1	20	REC. - CORRIDOR	4
5	RESIDENT ROOMS 305, 306	1	20	2	12	0.8	C	1.3	2	12	1	20	SPARE	6
7	RESIDENT ROOMS 405, 406	1	20	2	12	0.8	B	1.3	2	12	1	20	SPARE	8
9	RESIDENT ROOMS 505, 506	1	20	2	12	0.8	B	1.3	2	12	1	20	BUSSED SPACE	10
11	RESIDENT ROOMS 605, 606	1	20	2	12	0.8	C	1.3	2	12	1	20	BUSSED SPACE	12
13	REC. - TELECOM BOARD	1	20	2	12	0.4	A	0.4	2	12	1	20	BUSSED SPACE	14
15	OFF - 22	1	20	2	12	1.9	B	1.9	2	12	1	20	BUSSED SPACE	16
17	SPARE (FIRE ALARM)	1	20	2	12	1.9	B	1.9	2	12	1	20	BUSSED SPACE	18
19	BUSSED SPACE												BUSSED SPACE	20
21	BUSSED SPACE												BUSSED SPACE	22
23	BUSSED SPACE												BUSSED SPACE	24
TOTAL DEMAND KVA (PER PHASE): A: 2.3 B: 4.8 C: 1.6 DESIGN KVA: 14 DESIGN AMPS: 40														

* PROVIDE ARC-FULT CIRCUIT-INTERRUPTER TYPE CIRCUIT BREAKER.

PANEL ACH
VOLTAGE: 277 / 480
PHASE WIRE: 3 PH, 4 W
125 AMP MAIN LUGS
A.I.C. MOUNTED: 14k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT			
1	ELEVATOR #3	3	30	3	10	5.0	A	18.6	3	2	3	100	TRANSFORMER TAC	4			
3						5.0	B	18.9						2			
5						5.0	C	18.0						6			
7	ELEVATOR #4	3	30	3	10	5.0	A						1	20	SPARE	8	
9						5.0	B							1	20	SPARE	10
11						5.0	C							1	20	SPARE	12
13						5.0	A										14
15						5.0	B										16
17	BUSSED SPACE																18
19	BUSSED SPACE																20
21	BUSSED SPACE																22
23	BUSSED SPACE																24
TOTAL DEMAND KVA (PER PHASE): A: 27.1 B: 27.3 C: 26.4 DESIGN KVA: 82 DESIGN AMPS: 99																	

* SHUNT TRIP TYPE C/S - INTERFACE WITH FIRE ALARM SYSTEM FOR AUTOMATIC SHUT-OFF SEQUENCE.

PANEL ACPG
VOLTAGE: 120 / 208
PHASE WIRE: 3 PH, 4 W
225 AMP MAIN LUGS
A.I.C. MOUNTED: 10k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT
1	RESIDENT ROOMS 001, 002	1	20	2	12	0.8	A	0.8	4	2	3	100	PANELS ACP1, ACP2, & ACP3	2
3	RESIDENT ROOMS 003, 004	1	20	2	12	0.8	B	0.8	4	2	3	100		4
5	RESIDENT ROOMS 005, 006	1	20	2	12	0.8	C	0.8	4	2	3	100		6
7	SPARE	1	20	2	12	1.1	A	1.9	2	12	2	20	ACC - 27	8
9	REC. - CORRIDOR	1	20	2	12	1.1	B	1.9	2	12	2	20	ACC - 24	10
11	OFF - 22	1	20	2	12	1.9	C	2.4	2	8	2	40	ACC - 24	12
13	ELEVATOR SHAFT	1	20	2	12	0.7	A	2.4	2	8	2	40	ACC - 24	14
15	LTG. - ELEVATOR SHAFT	1	20	2	12	0.3	B	2.4	2	8	2	40	ACC - 25	16
17	SPARE	1	20	2	12	0.7	C	2.4	2	8	2	40	ACC - 25	18
19	CU - 30	2	30	2	10	2.0	A	1.9	2	12	2	20	ACC - 23	20
21	SPARE (FIRE ALARM)	1	20	2	12	1.5	A	1.9	2	12	2	20	ACC - 23	22
23	SUMP PUMP SP-3	2	20	2	12	1.0	C	1.9	2	12	2	20	ACC - 22	24
25						1.0	A	1.9						26
27	SPARE	1	20	2	12		B							28
29	SPARE	1	20	2	12		C							30
31	HEATER UH-1	2	20	2	12	1.5	A							32
33	SPARE (FIRE ALARM)	1	20	2	12	1.5	B							34
35	BUSSED SPACE													36
37	BUSSED SPACE													38
39	BUSSED SPACE													40
41	BUSSED SPACE													42
TOTAL DEMAND KVA (PER PHASE): A: 18.6 B: 18.9 C: 18.0 DESIGN KVA: 57 DESIGN AMPS: 157														

* PROVIDE ARC-FULT CIRCUIT-INTERRUPTER TYPE CIRCUIT BREAKER.

PANEL ACP1
VOLTAGE: 120 / 208
PHASE WIRE: 3 PH, 4 W
100 AMP MAIN LUGS
A.I.C. MOUNTED: 10k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT
1	RESIDENT ROOMS 101, 102	1	20	2	12	0.8	A	0.4	2	12	1	20	REC. - TELECOM	2
3	STUDIO BATHROOM 103	1	20	2	12	0.8	B	2.4	2	8	1	40	OFF - 24	4
5	RESIDENT ROOMS 104, 105	1	20	2	12	0.8	C	2.4	2	8	1	40	OFF - 25	6
7	RESIDENT ROOMS 106, 107	1	20	2	12	0.8	A	0.4	2	12	1	20	SECURITY PANELS	8
9	RESIDENT ROOMS 108, 109	1	20	2	12	0.8	B	0.4	2	12	1	20	SEC. FISH TANK	10
11	REC. - FISH TANK	1	20	2	12	0.7	C	0.4	2	12	1	20	REC. TELECOM	12
13	POWERED DOORS	1	20	2	12	0.5	A							14
15	POWERED DOORS	1	20	2	12	0.5	B							16
17	BUSSED SPACE													18
19	BUSSED SPACE													20
21	BUSSED SPACE													22
23	BUSSED SPACE													24
TOTAL DEMAND KVA (PER PHASE): A: 6.8 B: 9.2 C: 8.0 DESIGN KVA: 28 DESIGN AMPS: 77														

* PROVIDE ARC-FULT CIRCUIT-INTERRUPTER TYPE CIRCUIT BREAKER.

NOTES:
1. PROVIDE FEED-THRU LUGS TO SERVE PANEL ACP2 AT SECOND FLOOR ABOVE.

PANEL ACP2
VOLTAGE: 120 / 208
PHASE WIRE: 3 PH, 4 W
100 AMP MAIN LUGS
A.I.C. MOUNTED: 10k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT
1	RESIDENT ROOMS 201, 202	1	20	2	12	0.8	A	0.8	2	12	1	20	REC. - CORRIDOR	2
3	RESIDENT ROOMS 203, 204	1	20	2	12	0.8	B	0.8	2	12	1	20	RESIDENT ROOMS 205, 206	4
5	RESIDENT ROOMS 207, 208	1	20	2	12	0.8	C	0.8	2	12	1	20	RESIDENT ROOMS 209, 210	6
7	RESIDENT ROOMS 211, 212	1	20	2	12	0.8	A	0.8	2	12	1	20	SPARE	8
9	REC. - TELECOM BOARD	1	20	2	12	0.4	B							10
11	OFF - 23	1	20	2	12	1.9	C							12
13	BUSSED SPACE													14
15	BUSSED SPACE													16
17	BUSSED SPACE													18
19	BUSSED SPACE													20
21	BUSSED SPACE													22
23	BUSSED SPACE													24
TOTAL DEMAND KVA (PER PHASE): A: 3.2 B: 2.0 C: 3.5 DESIGN KVA: 11 DESIGN AMPS: 29														

* PROVIDE ARC-FULT CIRCUIT-INTERRUPTER TYPE CIRCUIT BREAKER.

NOTES:
1. PROVIDE FEED-THRU LUGS TO SERVE PANEL ACP3 AT THIRD FLOOR ABOVE.

PANEL ACP3
VOLTAGE: 120 / 208
PHASE WIRE: 3 PH, 4 W
100 AMP MAIN LUGS
A.I.C. MOUNTED: 10k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT
1	RESIDENT ROOMS 301, 302	1	20	2	12	0.8	A	0.8	2	12	1	20	REC. - CORRIDOR	2
3	RESIDENT ROOMS 303, 304	1	20	2	12	0.8	B	0.8	2	12	1	20	RESIDENT ROOMS 305, 306	4
5	RESIDENT ROOMS 307, 308	1	20	2	12	0.8	C	0.8	2	12	1	20	RESIDENT ROOMS 309, 310	6
7	RESIDENT ROOMS 311, 312	1	20	2	12	0.8	A	0.8	2	12	1	20	SPARE	8
9	REC. - TELECOM BOARD	1	20	2	12	0.4	B							10
11	OFF - 23	1	20	2	12	1.9	C							12
13	BUSSED SPACE													14
15	BUSSED SPACE													16
17	BUSSED SPACE													18
19	BUSSED SPACE													20
21	BUSSED SPACE													22
23	BUSSED SPACE													24
TOTAL DEMAND KVA (PER PHASE): A: 3.2 B: 2.0 C: 3.5 DESIGN KVA: 11 DESIGN AMPS: 29														

* PROVIDE ARC-FULT CIRCUIT-INTERRUPTER TYPE CIRCUIT BREAKER.

NOTES:
1. PROVIDE FEED-THRU LUGS TO SERVE PANEL ACP3 AT THIRD FLOOR ABOVE.

PANEL ACP3
VOLTAGE: 120 / 208
PHASE WIRE: 3 PH, 4 W
100 AMP MAIN LUGS
A.I.C. MOUNTED: 10k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT
1	RESIDENT ROOMS 110, 111, 112	1	20	2	12	0.8	A	0.3	2	12	1	20	FANS EF-2	2
3	RESIDENT ROOMS 205, 206	1	20	2	12	0.8	B	1.3	2	12	1	20	REC. - CORRIDOR	4
5	RESIDENT ROOMS 305, 306	1	20	2	12	0.8	C	1.3	2	12	1	20	SPARE	6
7	RESIDENT ROOMS 405, 406	1	20	2	12	0.8	B	1.3	2	12	1	20	SPARE	8
9	RESIDENT ROOMS 505, 506	1	20	2	12	0.8	B	1.3	2	12	1	20	BUSSED SPACE	10
11	RESIDENT ROOMS 605, 606	1	20	2	12	0.8	C	1.3	2	12	1	20	BUSSED SPACE	12
13	REC. - TELECOM BOARD	1	20	2	12	0.4	A	0.4	2	12	1	20	BUSSED SPACE	14
15	OFF - 22	1	20	2	12	1.9	B	1.9	2	12	1	20	BUSSED SPACE	16
17	SPARE (FIRE ALARM)	1	20	2	12	1.9	B	1.9	2	12	1	20	BUSSED SPACE	18
19	BUSSED SPACE													20
21	BUSSED SPACE													22
23	BUSSED SPACE													24
TOTAL DEMAND KVA (PER PHASE): A: 2.3 B: 4.8 C: 1.6 DESIGN KVA: 14 DESIGN AMPS: 40														

* PROVIDE ARC-FULT CIRCUIT-INTERRUPTER TYPE CIRCUIT BREAKER.

PANEL APG
VOLTAGE: 120 / 208
PHASE WIRE: 3 PH, 4 W
400 AMP MAIN LUGS
A.I.C. MOUNTED: 10k SURFACE

OKT	SERVING	P	TRIP	QTY	AWG	KVA	PH	KVA	QTY	AWG	P	TRIP	SERVING	OKT
1	A.L. KITCHENETTE 009	1	20	2	12	0.5	A	7.7	4	2	3	100	PANEL AP1	2
3	A.L. MICROWAVE 009	1	20	2	12	1.0	B	7.5						4
5	A.L. ONE BEDROOM 009	1	20	2	12	1.1	C	7.2						6