BRANCH PANEL: LP-BB1

Location: TOWER B LEVEL B ELEC RM B006
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-BB1-L
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	TOWER B MISC RCPTS	RCPTS	20 A	1	1080...	180 VA					1	20 A	RCPTS	PANTRY RCPT	2
3	FIRE PUMP RM B011 RCPT	RCPTS	20 A	1			360 VA	0 VA			1	20 A	--	SPARE	4
5	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	6
7	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	8
9	Receptacle	Receptacle	20 A	2			180 VA	0 VA			1	20 A	--	SPARE	10
11	--	--	--	--					180 VA	0 VA	1	20 A	--	SPARE	12
13	PH AMENITY B004 RCPT	RCPTS	20 A	1	360 VA	0 VA					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0 VA	900 VA			1	20 A	MISC	GOLF SIM PROJ	16
17	TOWER B STAIR 03A RCPTS	RCPTS	20 A	1					900 VA	900 VA	1	20 A	MISC	GOLF SIM CPU	18
19	TOWER B STAIR 04A RCPTS	RCPTS	20 A	1	540 VA	180 VA					1	20 A	RCPTS	GOLF SIM CPU	20
21	PH STORAGE ELEC PANEL...	RCPTS	20 A	1			180 VA	360 VA			1	20 A	RCPTS	GOLF SIM CPU	22
23	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	24
25	Receptacle	Receptacle	20 A	2	180 VA	0 VA					1	20 A	--	SPARE	26
27	--	--	--	--			180 VA	0 VA			1	20 A	--	SPARE	28
29	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	32
33	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	34
35	SEP-5	MTRS	20 A	2					1375...	0 VA	1	20 A	--	SPARE	36
37	--	--	--	--	1375...	180 VA					1	20 A	RCPTS	RCPTS	38
39	SEP-6	MTRS	20 A	2			1375...	432 VA			1	20 A	HEAT	HEAT	40
41	--	--	--	--					1375...	432 VA	1	20 A	HEAT	UH-A	42
				Total Load:	4075 VA		3967 VA		5162 VA						
				Total Amps:	34 A		33 A		43 A						

LP-BB1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	4320 VA		4320 VA		
MTRS	5500 VA		5500 VA	Total Conn. Load:	13204 VA
HEAT	864 VA		864 VA	Total Est. Demand:	13204 VA
MISC	1800 VA		1800 VA	Total Conn.:	37 A
				Total Est. Demand:	37 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-BB1

Location: TOWER B LEVEL B ELEC RM B006
Main Bus: 225 A
MCB: 200 A
Voltage: 480/277 Wye
AIC Rating: 22 kA

Fed From: MS-P2A1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	T-BB1-L	Spare;...	110 A	3	4075...	1150...					1	20 A	LTS	LTS TOWER B - LVL B	2
3	--	--	--	--			3967...	0 VA			1	20 A	--	SPARE	4
5	--	--	--	--					5162...	0 VA	1	20 A	--	SPARE	6
7	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	8
9	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	10
11	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	20
21	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	22
23	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	24
25	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	26
27	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	28
29	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	32
33	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	34
35	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	36
37	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	38
39	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	40
41	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	42
				Total Load:	5225 VA		3967 VA		5162 VA						
				Total Amps:	20 A		14 A		19 A						

LPH-BB1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	4320 VA		4320 VA		
LTS	1150 VA		1438 VA	Total Conn. Load:	14354 VA
MTRS	5500 VA		5500 VA	Total Est. Demand:	14642 VA
HEAT	864 VA		864 VA	Total Conn.:	17 A
MISC	1800 VA		1800 VA	Total Est. Demand:	18 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELP-BB1

Location: TOWER B LEVEL B ELEC B006
Main Bus: 225 A
MCB: 100 A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: ELP-P2B1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	ELEV T3 SP-1	MTRS	20 A	1	500 VA	3900...					3	20 A	MTRS	JOCKEY PUMP JP-1	2
3	ELEV T3 PIT RCPTS	RCPTS	20 A	1			180 VA	0 VA			--	--	--	--	4
5	ELEV T3 SEISMIC SENSOR...	MISC	20 A	1					600 VA	0 VA	--	--	--	--	6
7	ELEV T3 CAR LIGHT	MISC	15 A	1	500 VA	863 VA					3	20 A	MTRS	FIRE PUMP VALVE	8
9	ELEV T3 CAR LIGHT	MISC	15 A	1			500 VA	0 VA			--	--	--	--	10
11	ELEV T3 CTRL RM GFI RCPT	RCPTS	20 A	1					500 VA	0 VA	--	--	--	--	12
13	ELEV T4 PIT RCPTS	RCPTS	20 A	1	180 VA	0 VA					1	20 A	--	SPARE	14
15	ELEV T4 SP-1	MTRS	20 A	1			500 VA	0 VA			1	20 A	--	SPARE	16
17	ELEV T4 CAR LIGHT	MISC	15 A	1					500 VA	0 VA	1	20 A	--	SPARE	18
19	ELEV T4 CAR LIGHT	MISC	15 A	1	500 VA	0 VA					1	20 A	--	SPARE	20
21	ELEV T4 SEISMIC SENSOR...	MISC	20 A	1			600 VA	0 VA			1	20 A	--	SPARE	22
23	ELEV T4 CTRL ROOM GFI...	RCPTS	20 A	1					500 VA	0 VA	1	20 A	--	SPARE	24
25	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	26
27	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	28
29	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	32
33	SPARE	--	20 A	1			0 VA	0 VA			2	30 A	MISC	SPD	34
35	SPARE	--	20 A	1					0 VA	0 VA	--	--	--	--	36
37	SPARE	--	20 A	1	0 VA										38
39	SPARE	--	20 A	1			0 VA								40
41	SPARE	--	20 A	1					0 VA	460 VA	1	20 A	MTRS	FIRE SMOKE DAMPERS	42
				Total Load:	6443 VA		1780 VA		2560 VA						
				Total Amps:	55 A		15 A		22 A						

ELP-BB1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	1360 VA		1360 VA		
MTRS	6223 VA		6223 VA	Total Conn. Load:	10783 VA
MISC	3200 VA		3200 VA	Total Est. Demand:	10783 VA
				Total Conn.:	30 A
				Total Est. Demand:	30 A

Notes:
*See Demand Factor Table

BRANCH PANEL: EV-A

Location: TWR A LVL P2 ELEC A SWBD...
Main Bus: 800 A
MCB: 800A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-EV-A
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	EV CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CHARGER	2
3	--	--	--	--			3200...	3200...			--	--	--	--	4
5	EV CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CHARGER	6
7	--	--	--	--	3200...	3200...					--	--	--	--	8
9	EV CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CHARGER	10
11	--	--	--	--					3200...	3200...	--	--	--	--	12
13	EV CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CHARGER	14
15	--	--	--	--			3200...	3200...			--	--	--	--	16
17	EV CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CHARGER	18
19	--	--	--	--	3200...	3200...					--	--	--	--	20
21	EV CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CHARGER	22
23	--	--	--	--					3200...	3200...	--	--	--	--	24
25	EV CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CHARGER	26
27	--	--	--	--			3200...	3200...			--	--	--	--	28
29	EV CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CHARGER	30
31	--	--	--	--	3200...	3200...					--	--	--	--	32
33	SPARE	--	40 A	2			0 VA	3200...			2	40 A	MISC	EV CHARGER	34
35	--	--	--	--					0 VA	3200...	--	--	--	--	36
37	EV CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CHARGER	38
39	--	--	--	--			3200...	3200...			--	--	--	--	40
41	EV CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CHARGER	42
43	--	--	--	--	3200...	3200...					--	--	--	--	44
45	EV CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CHARGER	46
47	--	--	--	--					3200...	3200...	--	--	--	--	48
49	EV CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CHARGER	50
51	--	--	--	--			3200...	3200...			--	--	--	--	52
53	EV CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CHARGER	54
55	--	--	--	--	3200...	3200...					--	--	--	--	56
57	EV CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CHARGER	58
59	--	--	--	--					3200...	3200...	--	--	--	--	60
61	EV CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CHARGER	62
63	--	--	--	--			3200...	3200...			--	--	--	--	64
65	EV CHARGER	MISC	20 A	2					3200...	3200...	2	20 A	MISC	EV CHARGER	66
67	--	--	--	--	3200...	3200...					--	--	--	--	68
69	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	70
71	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	72
73	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	74
75	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	76
77	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	78
79	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	80
81	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	82
83	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	84
				Total Load:	76800 VA		67200 VA		67200 VA						
				Total Amps:	640 A		560 A		560 A						

EV-A LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MISC	211200 VA	66%	136000VA		
				Total Conn. Load:	211200 VA
				Total Est. Demand:	136000VA
				Total Conn.:	586 A
				Total Est. Demand:	378A

Notes:
*See Demand Factor Table

BRANCH PANEL: EV-B

Location: TOWER B LEVEL P2 ELEC P258
Main Bus: 800 A
MCB: 800A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From:
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	EV CAR CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CAR CHARGER	2
3	--	--	--	--			3200...	3200...			--	--	--	--	4
5	EV CAR CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CAR CHARGER	6
7	--	--	--	--	3200...	3200...					--	--	--	--	8
9	EV CAR CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CAR CHARGER	10
11	--	--	--	--					3200...	3200...	--	--	--	--	12
13	EV CAR CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CAR CHARGER	14
15	--	--	--	--			3200...	3200...			--	--	--	--	16
17	EV CAR CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CAR CHARGER	18
19	--	--	--	--	3200...	3200...					--	--	--	--	20
21	EV CAR CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CAR CHARGER	22
23	--	--	--	--					3200...	3200...	--	--	--	--	24
25	EV CAR CHARGER	MISC	40 A	2	3200...	3200...					2	40 A	MISC	EV CAR CHARGER	26
27	--	--	--	--			3200...	3200...			--	--	--	--	28
29	EV CAR CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CAR CHARGER	30
31	--	--	--	--	3200...	3200...					--	--	--	--	32
33	EV CAR CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CAR CHARGER	34
35	--	--	--	--					3200...	3200...	--	--	--	--	36
37	EV CHARGER	MISC	20 A	2	3200...	3200...					2	40 A	MISC	EV CAR CHARGER	38
39	--	--	--	--			3200...	3200...			--	--	--	--	40
41	EV CHARGER	MISC	20 A	2					3200...	3200...	2	40 A	MISC	EV CAR CHARGER	42
43	--	--	--	--	3200...	3200...					--	--	--	--	44
45	EV CHARGER	MISC	40 A	2			3200...	3200...			2	20 A	MISC	EV CHARGER	46
47	--	--	--	--					3200...	3200...	--	--	--	--	48
49	EV CHARGER	MISC	40 A	2	3200...	3200...					2	20 A	MISC	EV CHARGER	50
51	--	--	--	--			3200...	3200...			--	--	--	--	52
53	EV CHARGER	MISC	40 A	2					3200...	3200...	2	40 A	MISC	EV CHARGER	54
55	--	--	--	--	3200...	3200...					--	--	--	--	56
57	EV CHARGER	MISC	40 A	2			3200...	3200...			2	40 A	MISC	EV CHARGER	58
59	--	--	--	--					3200...	3200...	--	--	--	--	60
61	EV CHARGER	MISC	20 A	2	3200...	3200...					2	20 A	MISC	EV CHARGER	62
63	--	--	--	--			3200...	3200...			--	--	--	--	64
65	EV CHARGER	MISC	20 A	2					3200...	3200...	2	20 A	MISC	EV CHARGER	66
67	--	--	--	--	3200...	3200...					--	--	--	--	68
69	EV CHARGER	MISC	20 A	2			3200...	3200...			2	20 A	MISC	EV CHARGER	70
71	--	--	--	--					3200...	3200...	--	--	--	--	72
73	EV CHARGER	MISC	20 A	2	3200...	3200...					2	20 A	MISC	EV CHARGER	74
75	--	--	--	--			3200...	3200...			--	--	--	--	76
77	EV CHARGER	MISC	20 A	2					3200...	3200...	2	20 A	MISC	EV CHARGER	78
79	--	--	--	--	3200...	3200...					--	--	--	--	80
81	SPARE	--	40 A	2			0 VA	0 VA			2	40 A	--	SPARE	82
83	--	--	--	--					0 VA	0 VA	--	--	--	--	84
				Total Load:	89600 VA		83200 VA		83200 VA						
				Total Amps:	747 A		693 A		693 A						

EV-B LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MISC	256000 VA	66%	168960 VA		
				Total Conn. Load:	256000 VA
				Total Est. Demand:	168960 VA
				Total Conn.:	711 A
				Total Est. Demand:	469 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MP-P2A1

Location: TOWER A LEVEL P2 ELEC A...
Main Bus: 250 A
MCB: 250
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-P2A1-M
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	2
3	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	4
5	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	6
7	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	8
9	FCU-A-P2-2	MTRS	20 A	2			266 VA	0 VA			1	20 A	--	SPARE	10
11	--	--	--	--					266 VA	0 VA	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	20
21	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	22
23	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	24
25	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	26
27	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	28
29	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	32
33	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	34
35	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	36
37	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	38
39	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	40
41	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	42
				Total Load:	0 VA		266 VA		266 VA						
				Total Amps:	0 A		3 A		3 A						

MP-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	532 VA		532 VA		
				Total Conn. Load:	532 VA
				Total Est. Demand:	532 VA
				Total Conn.:	1 A
				Total Est. Demand:	1 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MPH-P2A1

Location: TOWER A LEVEL P2 ELEC A...
Main Bus: 600 A
MCB: 600A
Voltage: 480/277 Wye
AIC Rating: 35 kA

Fed From: MS-P2A1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	AHU-A-1-1	MTRS	20 A	3	2720...	3745...					3	20 A	MTRS	A- P2-1	2
3	--	--	--	--			2720...	3745...			--	--	--	--	4
5	--	--	--	--					2720...	3745...	--	--	--	--	6
7	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	8
9	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	10
11	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	18
19	EF-A-P2-1	MTRS	15 A	3	373 VA	0 VA					1	20 A	--	SPARE	20
21	--	--	--	--			373 VA	0 VA			1	20 A	--	SPARE	22
23	--	--	--	--					373 VA	0 VA	1	20 A	--	SPARE	24
25	EF-A-P2-2	MTRS	20 A	1	900 VA	4987...					3	20 A	MTRS	AHU-A-1-X	26
27								4987...			--	--	--	--	28
29										4987...	--	--	--	--	30
31	MPH-1A1	Spare;...	400 A	3	7334...	0 VA					1	20 A	--	SPARE	32
33	--	--	--	--			7370...	0 VA			1	20 A	--	SPARE	34
35	--	--	--	--					7171...	0 VA	1	20 A	--	SPARE	36
37	TRANSFORMER T-P2A1-M...	Spare;...	110 A	3	0 VA	0 VA					1	20 A	--	SPARE	38
39	--	--	--	--			266 VA	0 VA			1	20 A	--	SPARE	40
41	--	--	--	--					266 VA	0 VA	1	20 A	--	SPARE	42
				Total Load:	86073 VA		85799 VA		83802 VA						
				Total Amps:	312 A		311 A		303 A						

MPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	255675 VA		255675 VA		
				Total Conn. Load:	255675 VA
				Total Est. Demand:	255675 VA
				Total Conn.:	308 A
				Total Est. Demand:	308 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELPH-P2A1

Location: TOWER B LEVEL P2 ELEC EMR...
Main Bus: 400 A
MCB: 400A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: E-ATS-P2A
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	SPARE	--	20 A	1	0 VA	96 VA					1	20 A	LTS	LTS	2
3	SPARE	--	20 A	1			0 VA	1405...			1	20 A	Lighting;...	LTS LEVEL B1	4
5	LTS	Other; LTS	20 A	1					788 VA	1544...	1	20 A	LTS	LTS - LEVEL 1	6
7	STAIR 01A LTS	LTS	20 A	1	960 VA	250 VA					1	20 A	LTS	LTS - LEVEL 2 & 3	8
9	STAIR 01B LTS	LTS	20 A	1			576 VA	1050...			1	20 A	LTS	LTS LEVEL B1	10
11	STAIR 02B LTS	LTS	20 A	1					480 VA	768 VA	1	20 A	LTS	STAIR 02A LTS	12
13	LTS PARKING LEVEL 2	LTS	20 A	1	1775...	2576...					1	20 A	LTS	LTS LEVEL P2	14
15	LTS PARKING LEVEL 1	Other; LTS	20 A	1			1690...	768 VA			3	100 A	Other;...	ELPH-6A1	16
17	LTS TOWER A LVL 2	LTS	20 A	1					420 VA	1889...	--	--	--	--	18
19	SPARE	--	20 A	1	0 VA	384 VA					--	--	--	--	20
21	PANEL ELPH-1B1	Other;...	100 A	3			5683...	0 VA			1	20 A	--	SPARE	22
23	--	--	--	--					2211...	0 VA	1	20 A	--	SPARE	24
25	--	--	--	--	3187...	0 VA					1	20 A	--	SPARE	26
27	T-P2A1-E	Spare;...	70 A	3			2535...	0 VA			1	20 A	--	SPARE	28
29	--	--	--	--					2515...	0 VA	1	20 A	--	SPARE	30
31	--	--	--	--	1400...	0 VA					1	20 A	--	SPARE	32
33								0 VA			2	30 A	MISC	SPD	34
35	T-P2B1-E	Spare;...	70 A	3					1783...	0 VA	--	--	--	--	36
37	--	--	--	--	1324...	2720...					3	70 A	Spare;...	T-BA1-E	38
39	--	--	--	--			1785...	2420...			--	--	--	--	40
41	SPARE	--	20 A	1					0 VA	2250...	--	--	--	--	42
				Total Load:	26593 VA		33984 VA		30701 VA						
				Total Amps:	96 A		125 A		113 A						

ELPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
Other	289 VA		289 VA		
RCPTS	4160 VA		4160 VA	Total Conn. Load:	91277 VA
LTS	28207 VA		35259 VA	Total Est. Demand:	98330 VA
MTRS	40968 VA		40968 VA	Total Conn.:	110 A
MISC	17110 VA		17110 VA	Total Est. Demand:	118 A
Lighting	3 VA		4 VA		
RCPT	540 VA		540 VA		

Notes:
*See Demand Factor Table

PROFESSIONAL ENGINEER
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MARC JACQUES
STATE OF UTAH
Expires 3/31/25
Stamped 5/31/24

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revisions:

no.	date		by
2	5/31/2024	IFC 3	

IFC Set 3 of 3
5/31/2024

ELECTRICAL SCHEDULES

E6.05AB