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# BRANCH PANEL: OLPH-P2A1

**Location:** ELEC EMERGENCY...  
**Main Bus:** 225 A  
**MCB:** 225A  
**Voltage:** 480/277 Wye  
**AIC Rating:** 14 kA

**Fed From:** O-ATS-P2A  
**Wires:** 4  
**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			A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
			Trip	Poles											
1	OLPH-P1B1	Spare;...	200 A	3	9900...	3400...					3	200 A	Spare;...	OLPH-6A1	2
3	--	--	--	--			1040...	3900...			--	--	--	--	4
5	--	--	--	--					9300...	3100...	--	--	--	--	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	T-P2A1-O	Spare;...	110 A	3	3900...	0 VA					1	20 A	--	SPARE	38
39	--	--	--	--			4200...	0 VA			2	30 A	MISC	SPD	40
41	--	--	--	--					3600...	0 VA	--	--	--	--	42
			<b>Total Load:</b>		17200 VA		18500 VA		16000 VA						
			<b>Total Amps:</b>		63 A		67 A		58 A						

## OLPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	50700 VA		30350 VA	
MISC	1000 VA		1000 VA	<b>Total Conn. Load:</b> 51700 VA
				<b>Total Est. Demand:</b> 31350 VA
				<b>Total Conn.:</b> 62 A
				<b>Total Est. Demand:</b> 38 A

## Notes:

See Demand Factor Table

# BRANCH PANEL: ELP-P2B1

**Location:** TOWER B LEVEL P2 ELEC EMR...  
**Main Bus:** 225 A  
**MCB:** 100A  
**Voltage:** 120/208 Wye  
**AIC Rating:** 10 kA

**Fed From:** T-P2B1-E

**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	180 VA	380 VA	230 VA	180 VA	180 VA				FIRE SMOKE DAMPER	2	
1	FA CLOSET P261 RCPTS	RCPTS	20 A	1							1	20 A	MISC	FIRE SMOKE DAMPER	2	
3	FA CLOSET P261 RCPTS	MISC;...	20 A	1				230 VA	180 VA		1	20 A	MISC	FIRE SMOKE DAMPER	4	
5	FA CLOSET P261 RCPTS	RCPTS	20 A	1						180 VA	740 VA	1	20 A	MISC	FIRE SMOKE DAMPERS	6
7	FA CLOSET P261 RCPTS	RCPTS	20 A	1	180 VA	230 VA					1	20 A	MISC	FIRE SMOKE DAMPERS	8	
9	MISC	MISC	20 A	1			250 VA	540 VA			1	20 A	MISC	FIRE SMOKE DAMPERS	10	
11	MISC	MISC	20 A	1					250 VA	360 VA	1	20 A	MISC	FIRE SMOKE DAMPERS	12	
13	MISC	MISC	20 A	1	250 VA	100 VA					1	20 A	MTRS	FIRE SMOKE DAMPERS	14	
15	MISC	MISC	20 A	1			250 VA	2400...			2	30 A	MTRS	EF-B-P2-4 MECH GEN P266	16	
17	FIRE SMOKE DAMPERS	MISC	20 A	1					100 VA	2400...	--	--	--	--	18	
19	FCU-B-P2-1	MTRS	15 A	2	460 VA	100 VA					1	20 A	MISC	FIRE SMOKE DAMPERS	20	
21	--	--	--	--			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			2	30 A	MISC	SPD	28	
29	SPARE	--	20 A	1					0 VA	0 VA	--	--	--	--	30	
31	SPARE	--	20 A	1	0 VA	3430...					3	100 A	Spare;...	ELP-P1B1	32	
33	SPARE	--	20 A	1			0 VA	4495...			--	--	--	--	34	
35	CU-B-P2-2	MTRS	40 A	2					2643...	4145...	--	--	--	--	36	
37	--	--	--	--	2643...	6443...					3	100 A	Spare;...	ELP-BB1	38	
39	CU-B-P2-1	MTRS	15 A	2			1040...	1780...			--	--	--	--	40	
41	--	--	--	--					1040...	2560...	--	--	--	--	42	
43	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	44	
45	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	46	
47	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	48	
49	CU-A-P2-2	MTRS	20 A	2	1040...	0 VA					1	20 A	--	SPARE	50	
51	--	--	--	--			1040...	0 VA			1	20 A	--	SPARE	52	
53	CU-A-P2-1	MTRS	30 A	2					2400...	0 VA	1	20 A	--	SPARE	54	
55	--	--	--	--	2400...	0 VA					1	20 A	--	SPARE	56	
57	CU-A-P2-3	MTRS	20 A	2			1040...	0 VA			1	20 A	--	SPARE	58	
59	--	--	--	--					1040...	0 VA	1	20 A	--	SPARE	60	
<b>Total Load:</b>					17836 VA		13245 VA		17858 VA							
<b>Total Amps:</b>					155 A		110 A		155 A							

## ELP-P2B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	2080 VA		2080 VA	
MTRS	36018 VA		36018 VA	<b>Total Conn. Load:</b> 48938 VA
MISC	10840 VA		10840 VA	<b>Total Est. Demand:</b> 48938 VA
				<b>Total Conn.:</b> 136 A
				<b>Total Est. Demand:</b> 136 A

Notes:

See Demand Factor Table

# BRANCH PANEL: LP-P2A1

**Location:** TWR A LVL P2 ELEC A SWBD...  
**Main Bus:** 250 A  
**MCB:** 250A  
**Voltage:** 120/208 Wye  
**AIC Rating:** 10 kA

**Fed From:** T-P2A1-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	MECH REST. AHU P213 RCPT	RCPTS	20 A	1	180 VA	180 VA					1	20 A	RCPTS	TOWER A TELE. RM. GFI RCPT	2
3	TOWER A PARKING MISC...	RCPTS	20 A	1			1260...	180 VA			1	20 A	RCPTS	ELEC. RM. P264 GFI RCPT	4
5	TOWER A PARKING MISC...	RCPTS	20 A	1					720 VA	900 VA	1	20 A	RCPTS	P201,P202,P203,P204,P205	6
7	TOWER A PARKING MISC...	RCPTS	20 A	1	180 VA	3000...					3	20 A	MTRS	GARAGE DOORS	8
9	P227,P228,P229,P230,P231	RCPTS	20 A	1			900 VA	0 VA			--	--	--	--	10
11	P232,P233,P234,P235,P236	RCPTS	20 A	1					900 VA	0 VA	--	--	--	--	12
13	HEAT TRACE	MTRS	20 A	1	1800...	0 VA					1	20 A	--	SPARE	14
15	HEAT TRACE	MTRS	20 A	1			1200...	0 VA			1	20 A	--	SPARE	16
17	HEAT TRACE	MTRS	20 A	1					1200...	0 VA	1	20 A	--	SPARE	18
19	P237,P238,P239,P240,P241	RCPTS	20 A	1	900 VA	0 VA					1	20 A	--	SPARE	20
21	P224,P225,P226	RCPTS	20 A	1			540 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	PANEL LP-1A1	Power;...	200 A	3	6046...	0 VA					1	20 A	--	SPARE	38
39	--	--	--	--			7708...	0 VA			1	20 A	--	SPARE	40
41	--	--	--	--					9212...	0 VA	1	20 A	--	SPARE	42
<b>Total Load:</b>				12286 VA		11788 VA		12932 VA							
<b>Total Amps:</b>				103 A		98 A		108 A							

## LP-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	27060 VA		18530 VA		
MTRS	8732 VA		8732 VA	<b>Total Conn. Load:</b>	37006 VA
IEAT	1164 VA		1164 VA	<b>Total Est. Demand:</b>	28476 VA
Power	50 VA		50 VA	<b>Total Conn.:</b>	103 A
				<b>Total Est. Demand:</b>	79 A

## Notes:

See Demand Factor Table

# BRANCH PANEL: LP-P2B1

**Location:** TOWER B LEVEL P2 ELEC P258  
**Main Bus:** 250 A  
**MCB:** 250A  
**Voltage:** 120/208 Wye  
**AIC Rating:** 10 kA

**Fed From:** T-P2B1-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	B-1	MTRS	20 A	1	1440...	720 VA					1	20 A	RCPTS	TOWER B-P2 MISC RCPTS	2
3	B-2	MTRS	20 A	1			1440...	540 VA			1	20 A	RCPTS	TOWER B-P2 MISC RCPTS	4
5	WS-1	MTRS	20 A	1					1440...	540 VA	1	20 A	RCPTS	TOWER B-P2 MISC RCPTS	6
7	WS-1	MTRS	20 A	1	1440...	180 VA					1	20 A	RCPTS	RCPTS	8
9	WATER ENTRY AND BOILER...	RCPTS	20 A	1			720 VA	63 VA			2	20 A	MTRS	MTRS	10
11	CP-2	MTRS	20 A	2					915 VA	63 VA	--	--	--	--	12
13	--	--	--	--	915 VA	1080...					1	20 A	RCPTS	P218,P219,P220,P221,P222,P...	14
15	CP-1	MTRS	20 A	2			915 VA	360 VA			1	20 A	RCPTS	POOL MECH RCPT	16
17	--	--	--	--					915 VA	1080...	1	20 A	RCPTS	P212,P213,P214,P215,P216,P...	18
19	P206,P207,P208,P209,P210,P...	RCPTS	20 A	1	1080...	600 VA					1	20 A	HEAT	MECH DAMPER	20
21	MECH DAMPER	HEAT	20 A	1			600 VA	360 VA			1	20 A	RCPTS	POOL MECH MISC RCPT	22
23	MTRS	MTRS	25 A	2					187 VA	0 VA	1	20 A	--	SPARE	24
25	--	--	--	--	0 VA	0 VA					1	20 A	--	SPARE	26
27	MTRS	MTRS	25 A	2			124 VA	0 VA			1	20 A	--	SPARE	28
29	--	--	--	--					0 VA	0 VA	1	20 A	--	SPARE	30
31	MTRS	MTRS	25 A	2	63 VA	0 VA					1	20 A	--	SPARE	32
33	--	--	--	--			63 VA	0 VA			1	20 A	--	SPARE	34
35	FCU-B-P2-4	MTRS	15 A	2					532 VA	0 VA	1	20 A	--	SPARE	36
37	--	--	--	--	0 VA	0 VA					1	20 A	--	SPARE	38
39	FCU-B-P2-3	MTRS	15 A	2			532 VA	0 VA			1	20 A	--	SPARE	40
41	--	--	--	--					0 VA	180 VA	1	20 A	RCPTS	FA CLOSET P261 RCPT	42
<b>Total Load:</b>				7518 VA		5716 VA		5851 VA							
<b>Total Amps:</b>				63 A		48 A		49 A							

## LP-P2B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
CPTS	6840 VA		6840 VA	
TRS	11045 VA		11045 VA	<b>Total Conn. Load:</b> 19085 VA
EAT	1200 VA		1200 VA	<b>Total Est. Demand:</b> 19085 VA
				<b>Total Conn.:</b> 53 A
				<b>Total Est. Demand:</b> 53 A

## Notes:

See Demand Factor Table

# BRANCH PANEL: LPH-P2B1

**Location:** KITCHEN A102  
**Main Bus:** 400 A  
**MCB:** 400A  
**Voltage:** 480/277 Wye  
**AIC Rating:** 35 kA

**Fed From:** MS-P2A1  
**Wires:** 4  
**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	LPH-P1B1	Other;...	20 A	3	2107...	2134...					3	20 A	MTRS	BP-1	2
3	--	--	--	--			1929...	2134...			--	--	--	--	4
5	--	--	--	--					1870...	2134...	--	--	--	--	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	LTS PARKING LEVEL 2	LTS	20 A	1			2200...	0 VA			1	20 A	--	SPARE	40
41	LTS PARKING LEVEL 2	LTS	20 A	1					1880...	0 VA	1	20 A	--	SPARE	42
<b>Total Load:</b>				42419 VA		42838 VA		41922 VA							
<b>Total Amps:</b>				153 A		155 A		151 A							

## LPH-P2B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
Other	101 VA		101 VA	
CPTS	22280 VA		16140 VA	<b>Total Conn. Load:</b> 127179 VA
LTS	13165 VA		16456 VA	<b>Total Est. Demand:</b> 124330 VA
TRS	73289 VA		73289 VA	<b>Total Conn.:</b> 153 A
EAT	16364 VA		16364 VA	<b>Total Est. Demand:</b> 150 A
SC	1600 VA		1600 VA	
CPT	380 VA		380 VA	

### Notes:

See Demand Factor Table