## BRANCH PANEL: LP-1A1

**Location:** TOWER A LEVEL 1 ELEC A125
**Main Bus:** 225 A
**MCB:** 200 A
**Voltage:** 120/208 Wye
**AIC Rating:** 10 kA

**Fed From:** LP-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 | POWER TREATMENT SINGL... | RCPTS | 20 A | 1 | 540 VA 360 VA | | | 1 | 20 A | RCPTS | SPA LOUNGE A113 MISC | 2 |
| 3 | POWER FIRE FLUE FAN AND... | Power;... | 20 A | 1 | | 150 VA 360 VA | | 1 | 20 A | RCPTS | SPA LOUNGE A113 MISC | 4 |
| 5 | POWER FIRE PIT | HEAT | 20 A | 1 | | | 200 VA 540 VA | 1 | 20 A | RCPTS | RCPTS SPA LOUNGE A113 | 6 |
| 7 | SPARE | -- | 20 A | 1 | 0 VA 180 VA | | | 1 | 20 A | RCPTS | TOWER A L1 MISC RCPTS | 8 |
| 9 | LOCKER ROOM RCPTS | RCPTS | 20 A | 1 | | 720 VA 540 VA | | 1 | 20 A | RCPTS | SPA TREATMENT DOUBLE... | 10 |
| 11 | LOCKER ROOM RCPTS | RCPTS | 20 A | 1 | | | 1080... 540 VA | 1 | 20 A | RCPTS | SPA TOILET A106 | 12 |
| 13 | LOCKER ROOM RCPTS | RCPTS | 20 A | 1 | 540 VA 360 VA | | | 1 | 20 A | RCPTS | SPA TREATMENT DOUBLE... | 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 | FITNESS A121 RCPTS | RCPTS | 20 A | 1 | 900 VA 0 VA | | | 1 | 20 A | -- | SPARE | 20 |
| 21 | FITNESS A121 TREADMILL... | RCPTS | 20 A | 1 | | 1000... 0 VA | | 1 | 20 A | -- | SPARE | 22 |
| 23 | FITNESS A121 TREADMILL... | RCPTS | 20 A | 1 | | | 1000... 360 VA | 1 | 20 A | RCPTS | TOWER A L3 CORR. RCPTS | 24 |
| 25 | FITNESS A121 CYCLE RCPT | RCPTS | 20 A | 1 | 1500... 360 VA | | | 1 | 20 A | RCPTS | TOWER A L3 CORR. RCPTS | 26 |
| 27 | FITNESS A121 BIKE | RCPTS | 20 A | 1 | | 1000... 360 VA | | 1 | 20 A | RCPTS | TOWER A L2 CORR. RCPTS | 28 |
| 29 | FITNESS A121 ROWING... | RCPTS | 20 A | 1 | | | 1000... 360 VA | 1 | 20 A | RCPTS | TOWER A L2 CORR. RCPTS | 30 |
| 31 | FITNESS A121 MIRROR RCPT | RCPTS | 20 A | 1 | 500 VA 0 VA | | | 1 | 20 A | -- | SPARE | 32 |
| 33 | YOGA A119 RCPTS | RCPTS | 20 A | 1 | | 360 VA 0 VA | | 1 | 20 A | -- | SPARE | 34 |
| 35 | STAIR 02B A143/A205/A305 | RCPTS | 20 A | 1 | | | 540 VA 0 VA | 1 | 20 A | -- | SPARE | 36 |
| 37 | STAIR 02A RCPTS | RCPTS | 20 A | 1 | 540 VA 0 VA | | | 1 | 20 A | -- | SPARE | 38 |
| 39 | TOWER A L1 MISC RCPTS | RCPTS | 20 A | 1 | | 900 VA 540 VA | | 1 | 20 A | RCPTS | STAIR 01B /A02/A302 | 40 |
| 41 | TOWER A L1 MISC RCPTS | RCPTS | 20 A | 1 | | | 720 VA 540 VA | 1 | 20 A | RCPTS | STAIR 01A / | 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 | SPARE | -- | 20 A | 1 | 0 VA 0 VA | | | 1 | 20 A | -- | SPARE | 50 |
| 51 | SPARE | -- | 20 A | 1 | | 0 VA 432 VA | | 1 | 20 A | HEAT | UH-A | 52 |
| 53 | SPARE | -- | 20 A | 1 | | | 0 VA 432 VA | 1 | 20 A | HEAT | UH-A | 54 |
| 55 | SPARE | -- | 20 A | 1 | 0 VA 266 VA | | | 2 | 20 A | MTRS | FCU-A-1-2 | 56 |
| 57 | TOWER A L1 ENTRY LOBBY | RCPTS | 20 A | 1 | | 1080... 266 VA | | | | | | 58 |
| 59 | TOWER A L1 ENTRY | RCPTS | 20 A | 1 | | | 900 VA 1000... | 1 | 20 A | MTRS | SLIDING DOORS | 60 |
| | | | **Total Load:** | | 6046 VA | 7708 VA | 9212 VA | | | | | |
| | | | **Total Amps:** | | 50 A | 66 A | 79 A | | | | | |

**LP-1A1 LOAD SUMMARY**

| Load Classification | Connected Load | *Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| RCPTS | 20220 VA | | 15110 VA | | |
| MTRS | 1532 VA | | 1532 VA | **Total Conn. Load:** | 22966 VA |
| HEAT | 1164 VA | | 1164 VA | **Total Est. Demand:** | 17856 VA |
| Power | 50 VA | | 50 VA | **Total Conn.:** | 64 A |
| | | | | **Total Est. Demand:** | 50 A |

**Notes:**
*See Demand Factor Table

## BRANCH PANEL: ELP-1A1

**Location:** TOWER A LEVEL 1 ELEC A125
**Main Bus:** 225 A
**MCB:** 150 A
**Voltage:** 120/208 Wye
**AIC Rating:** 10 kA

**Fed From:** T-P2A1-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 | FIRE COMMAND CENTER... | RCPTS | 20 A | 1 | 180 VA 200 VA | | | 1 | 20 A | MISC | ELEVATOR SMOKE CURTAINS | 2 |
| 3 | FIRE COMMAND CENTER... | RCPTS | 20 A | 1 | | 180 VA 0 VA | | 1 | 20 A | -- | SPARE | 4 |
| 5 | FIRE COMMAND CENTER... | RCPTS | 20 A | 1 | | | 180 VA 500 VA | 1 | 20 A | MISC | MISC | 6 |
| 7 | FIRE COMMAND CENTER... | RCPTS | 20 A | 1 | 180 VA 1975... | | | 2 | 30 A | MTRS | CU-A-R-1 | 8 |
| 9 | FIRE COMMAND CENTER... | RCPTS | 20 A | 1 | | 180 VA 1975... | | -- | -- | -- | -- | 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:** | | 2535 VA | 2515 VA | 1400 VA | | | | | |
| | | | **Total Amps:** | | 23 A | 22 A | 12 A | | | | | |

**ELP-1A1 LOAD SUMMARY**

| Load Classification | Connected Load | *Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| RCPTS | 900 VA | | 900 VA | | |
| MTRS | 3950 VA | | 3950 VA | **Total Conn. Load:** | 6450 VA |
| MISC | 1600 VA | | 1600 VA | **Total Est. Demand:** | 6450 VA |
| | | | | **Total Conn.:** | 18 A |
| | | | | **Total Est. Demand:** | 18 A |

**Notes:**
*See Demand Factor Table

## BRANCH PANEL: LPH-P1B1

**Location:** ELECTRICAL P107
**Main Bus:** 225 A
**MCB:** 225A
**Voltage:** 480/277 Wye
**AIC Rating:** 10 kA

**Fed From:** LPH-P2B1
**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-7B1 | Spare;... | 20 A | 3 | 7280... 809 VA | | | 1 | 20 A | LTS | LTS | 2 |
| 3 | -- | -- | -- | -- | | 6680... 1330... | | 3 | 20 A | MTRS | BEF-B-7 | 4 |
| 5 | -- | -- | -- | -- | | | 3880... 1330... | -- | -- | -- | -- | 6 |
| 7 | BEF-B-8 | MTRS | 20 A | 3 | 582 VA 1330... | | | -- | -- | -- | -- | 8 |
| 9 | -- | -- | -- | -- | | 582 VA 0 VA | | 1 | 20 A | -- | SPARE | 10 |
| 11 | -- | -- | -- | -- | | | 582 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:** | | 21079 VA | 19298 VA | 18702 VA | | | | | |
| | | | **Total Amps:** | | 76 A | 70 A | 68 A | | | | | |

**LPH-P1B1 LOAD SUMMARY**

| Load Classification | Connected Load | *Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Other | 101 VA | | 101 VA | | |
| RCPTS | 22280 VA | | 16140 VA | **Total Conn. Load:** | 59079 VA |
| LTS | 9085 VA | | 11356 VA | **Total Est. Demand:** | 55210 VA |
| MTRS | 9269 VA | | 9269 VA | **Total Conn.:** | 71 A |
| HEAT | 16364 VA | | 16364 VA | **Total Est. Demand:** | 66 A |
| MISC | 1600 VA | | 1600 VA | | |
| RCPT | 380 VA | | 380 VA | | |

**Notes:**
*See Demand Factor Table

## BRANCH PANEL: MPH-1A1

**Location:** TOWER A LEVEL 1 ELEC A110
**Main Bus:** 400 A
**MCB:** 400A
**Voltage:** 480/277 Wye
**AIC Rating:** 22 kA

**Fed From:** MPH-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 | FPT A-1-8 | MTRS | 20 A | 1 | 610 VA 1600... | | | 3 | 20 A | MTRS | AHU - L-1-1 | 2 |
| 3 | FPT A-1-1, FPT A-1-2 & FPT... | MTRS | 20 A | 1 | | 1330... 1600... | | -- | -- | -- | -- | 4 |
| 5 | FPT A-1-4 | MTRS | 20 A | 1 | | | 610 VA 1600... | -- | -- | -- | -- | 6 |
| 7 | FPT A-1-3 | MTRS | 20 A | 1 | 1220... 0 VA | | | 2 | 20 A | -- | SPARE | 8 |
| 9 | FPT A-1-6 | MTRS | 20 A | 1 | | 1470... 0 VA | | 1 | 20 A | -- | SPARE | 10 |
| 11 | FPT A-1-7 | MTRS | 20 A | 1 | | | 610 VA 0 VA | 1 | 20 A | -- | SPARE | 12 |
| 13 | FPT A-1-10 | MTRS | 20 A | 1 | 1830... 0 VA | | | 1 | 20 A | -- | SPARE | 14 |
| 15 | FPT A-1-5 | MTRS | 20 A | 1 | | 1220... 0 VA | | 1 | 20 A | -- | SPARE | 16 |
| 17 | EF-A-1-1 | MTRS | 20 A | 1 | | | 803 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 | PANEL MPH-6A1 | Spare;... | 400 A | 3 | 6808... 0 VA | | | 1 | 20 A | -- | SPARE | 38 |
| 39 | -- | -- | -- | -- | | 6808... 0 VA | | 1 | 20 A | -- | SPARE | 40 |
| 41 | -- | -- | -- | -- | | | 6808... 0 VA | 1 | 20 A | -- | SPARE | 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 | SPARE | -- | 20 A | 1 | 0 VA 0 VA | | | 1 | 20 A | -- | SPARE | 50 |
| 51 | SPARE | -- | 20 A | 1 | | 0 VA 0 VA | | 1 | 20 A | -- | SPARE | 52 |
| 53 | SPARE | -- | 20 A | 1 | | | 0 VA 0 VA | 1 | 20 A | -- | SPARE | 54 |
| 55 | SPARE | -- | 20 A | 1 | 0 VA 0 VA | | | 1 | 20 A | -- | SPARE | 56 |
| 57 | SPARE | -- | 20 A | 1 | | 0 VA 0 VA | | 1 | 20 A | -- | SPARE | 58 |
| 59 | SPARE | -- | 20 A | 1 | | | 0 VA 0 VA | 1 | 20 A | -- | SPARE | 60 |
| | | | **Total Load:** | | 73349 VA | 73709 VA | 71712 VA | | | | | |
| | | | **Total Amps:** | | 266 A | 267 A | 259 A | | | | | |

**MPH-1A1 LOAD SUMMARY**

| Load Classification | Connected Load | *Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| MTRS | 218770 VA | | 218770 VA | | |
| | | | | **Total Conn. Load:** | 218770 VA |
| | | | | **Total Est. Demand:** | 218770 VA |
| | | | | **Total Conn.:** | 263 A |
| | | | | **Total Est. Demand:** | 263 A |

**Notes:**
*See Demand Factor Table

## BRANCH PANEL: OLP-1A1

**Location:** ELEC A110
**Main Bus:** 250 A
**MCB:** 250A
**Voltage:** 120/208 Wye
**AIC Rating:** 10 kA

**Fed From:** T-P2A1-O
**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 | LEVEL 2 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | 800 VA 0 VA | | | 1 | 20 A | -- | SPARE | 2 |
| 3 | LEVEL 2 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | | 800 VA 0 VA | | 1 | 20 A | -- | SPARE | 4 |
| 5 | LEVEL 2 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | | | 800 VA 0 VA | 1 | 20 A | -- | SPARE | 6 |
| 7 | LEVEL 2 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | 800 VA 0 VA | | | 1 | 20 A | -- | SPARE | 8 |
| 9 | LEVEL 2 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | | 800 VA 0 VA | | 1 | 20 A | -- | SPARE | 10 |
| 11 | LEVEL 2 UNIT - MISC RCPT | RCPTS | 20 A | 1 | | | 500 VA 0 VA | 1 | 20 A | -- | SPARE | 12 |
| 13 | LEVEL 2 UNIT - MISC RCPT | RCPTS | 20 A | 1 | 500 VA 0 VA | | | 1 | 20 A | -- | SPARE | 14 |
| 15 | LEVEL 2 UNIT - MISC RCPT | RCPTS | 20 A | 1 | | 500 VA 0 VA | | 1 | 20 A | -- | SPARE | 16 |
| 17 | LEVEL 2 UNIT - MISC RCPT | RCPTS | 20 A | 1 | | | 500 VA 0 VA | 1 | 20 A | -- | SPARE | 18 |
| 19 | LEVEL 2 UNIT - MISC RCPT | RCPTS | 20 A | 1 | 500 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 | LEVEL 3 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | | 800 VA 0 VA | | 1 | 20 A | -- | SPARE | 28 |
| 29 | LEVEL 3 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | | | 800 VA 0 VA | 1 | 20 A | -- | SPARE | 30 |
| 31 | LEVEL 3 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | 800 VA 0 VA | | | 1 | 20 A | -- | SPARE | 32 |
| 33 | LEVEL 3 UNIT - WINE FRIDGE | RCPTS | 20 A | 1 | | 800 VA 0 VA | | 1 | 20 A | -- | SPARE | 34 |
| 35 | LEVEL 3 UNIT - MISC RCPT | RCPTS | 20 A | 1 | | | 500 VA 0 VA | 1 | 20 A | -- | SPARE | 36 |
| 37 | LEVEL 3 UNIT - MISC RCPT | RCPTS | 20 A | 1 | 500 VA 0 VA | | | 1 | 20 A | -- | SPARE | 38 |
| 39 | LEVEL 3 UNIT - MISC RCPT | RCPTS | 20 A | 1 | | 500 VA 0 VA | | 2 | 30 A | MISC | SPD | 40 |
| 41 | LEVEL 3 UNIT - MISC RCPT | RCPTS | 20 A | 1 | | | 500 VA 0 VA | -- | -- | -- | -- | 42 |
| | | | **Total Load:** | | 3900 VA | 4200 VA | 3600 VA | | | | | |
| | | | **Total Amps:** | | 33 A | 35 A | 30 A | | | | | |

**OLP-1A1 LOAD SUMMARY**

| Load Classification | Connected Load | *Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| RCPTS | 11700 VA | | 10850 VA | | |
| MISC | 0 VA | | 0 VA | **Total Conn. Load:** | 11700 VA |
| | | | | **Total Est. Demand:** | 10850 VA |
| | | | | **Total Conn.:** | 32 A |
| | | | | **Total Est. Demand:** | 30 A |

**Notes:**
*See Demand Factor Table

## BRANCH PANEL: MPH-P1B1

**Location:** TOWER B LEVEL P1 ELEC P107
**Main Bus:** 800 A
**MCB:** 800A
**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 | SHWP B-P1-1 | MTRS | 40 A | 3 | 9423... 3880... | | | 3 | 40 A | MTRS | PHWP B-P1-2 | 2 |
| 3 | -- | -- | -- | -- | | 9423... 3880... | | -- | -- | -- | -- | 4 |
| 5 | -- | -- | -- | -- | | | 9423... 3880... | -- | -- | -- | -- | 6 |
| 7 | SHWP B-P1-2 | MTRS | 40 A | 3 | 7483... 3488... | | | 3 | 30 A | MTRS | AHU B-P1-1 | 8 |
| 9 | -- | -- | -- | -- | | 7483... 3488... | | -- | -- | -- | -- | 10 |
| 11 | -- | -- | -- | -- | | | 7483... 3488... | -- | -- | -- | -- | 12 |
| 13 | SCHWP B-P1-1 | MTRS | 40 A | 3 | 9423... 3880... | | | 3 | 20 A | MTRS | SMBP B-P1-1 | 14 |
| 15 | -- | -- | -- | -- | | 9423... 3880... | | -- | -- | -- | -- | 16 |
| 17 | -- | -- | -- | -- | | | 9423... 3880... | -- | -- | -- | -- | 18 |
| 19 | SCHWP B-P1-2 | MTRS | 40 A | 3 | 7483... 3880... | | | 3 | 20 A | MTRS | SMBP B-P1-2 | 20 |
| 21 | -- | -- | -- | -- | | 7483... 3880... | | -- | -- | -- | -- | 22 |
| 23 | -- | -- | -- | -- | | | 7483... 3880... | -- | -- | -- | -- | 24 |
| 25 | PHWP B-P1-1 | MTRS | 40 A | 3 | 3880... 3880... | | | 3 | 20 A | MTRS | SMBP B-P1-3 | 26 |
| 27 | -- | -- | -- | -- | | 3880... 3880... | | -- | -- | -- | -- | 28 |
| 29 | -- | -- | -- | -- | | | 3880... 3880... | -- | -- | -- | -- | 30 |
| 31 | BP B-P1-1 | MTRS | 15 A | 3 | 1330... 3880... | | | 3 | 40 A | MTRS | PCHWP-B-P1-1 | 32 |
| 33 | -- | -- | -- | -- | | 1330... 3880... | | -- | -- | -- | -- | 34 |
| 35 | -- | -- | -- | -- | | | 1330... 3880... | -- | -- | -- | -- | 36 |
| 37 | BP B-P1-2 | MTRS | 15 A | 3 | 1330... 3880... | | | 3 | 40 A | MTRS | PCHWP-B-P1-2 | 38 |
| 39 | -- | -- | -- | -- | | 1330... 3880... | | -- | -- | -- | -- | 40 |
| 41 | -- | -- | -- | -- | | | 1330... 3880... | -- | -- | -- | -- | 42 |
| 43 | EF-B-B-3 | MTRS | 20 A | 1 | 803 VA 7458... | | | 3 | 100 A | Spare;... | MPH-1B1 | 44 |
| 45 | EF-B-B-2 | MTRS | 20 A | 1 | | 660 VA 4410... | | -- | -- | -- | -- | 46 |
| 47 | EF-B-P1-3 | MTRS | 20 A | 1 | | | 660 VA 3050... | -- | -- | -- | -- | 48 |
| 49 | AHU-B-B-1 | MTRS | 15 A | 3 | 1387... 582 VA | | | 3 | 20 A | MTRS | BEF-B-6 | 50 |
| 51 | -- | -- | -- | -- | | 1387... 582 VA | | -- | -- | -- | -- | 52 |
| 53 | -- | -- | -- | -- | | | 1387... 582 VA | -- | -- | -- | -- | 54 |
| 55 | PANEL MPH-7B1 | Spare;... | 400 A | 3 | 7033... 8378... | | | 3 | 110 A | Other;... | T-P1B1-M | 56 |
| 57 | -- | -- | -- | -- | | 7033... 9672... | | -- | -- | -- | -- | 58 |
| 59 | -- | -- | -- | -- | | | 7033... 9842... | -- | -- | -- | -- | 60 |
| 61 | UH B-P1-1 | Power | 20 A | 3 | 1632... 1330... | | | 3 | 15 A | MTRS | MTRS | 62 |
| 63 | -- | -- | -- | -- | | 1632... 1330... | | -- | -- | -- | -- | 64 |
| 65 | -- | -- | -- | -- | | | 1632... 1330... | -- | -- | -- | -- | 66 |
| 67 | BEF-B-1 | MTRS | 20 A | 3 | 1330... 1330... | | | 3 | 20 A | MTRS | BEF-B-2 | 68 |
| 69 | -- | -- | -- | -- | | 1330... 1330... | | -- | -- | -- | -- | 70 |
| 71 | -- | -- | -- | -- | | | 1330... 1330... | -- | -- | -- | -- | 72 |
| 73 | BEF-B-5 | MTRS | 20 A | 3 | 1330... 582 VA | | | 3 | 20 A | MTRS | BEF-B-3 | 74 |
| 75 | -- | -- | -- | -- | | 1330... 582 VA | | -- | -- | -- | -- | 76 |
| 77 | -- | -- | -- | -- | | | 1330... 582 VA | -- | -- | -- | -- | 78 |
| 79 | BEF-B-4 | MTRS | 20 A | 3 | 1330... 1273... | | | 3 | 15 A | MTRS | EF-B-P1-2 | 80 |
| 81 | -- | -- | -- | -- | | 1330... 1273... | | -- | -- | -- | -- | 82 |
| 83 | -- | -- | -- | -- | | | 1330... 1273... | -- | -- | -- | -- | 84 |
| | | | **Total Load:** | | 166205 VA | 164308 VA | 163118 VA | | | | | |
| | | | **Total Amps:** | | 601 A | 594 A | 589 A | | | | | |

**MPH-P1B1 LOAD SUMMARY**

| Load Classification | Connected Load | *Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Other | 2880 VA | | 2880 VA | | |
| MTRS | 470015 VA | | 470015 VA | **Total Conn. Load:** | 493631 VA |
| HEAT | 15840 VA | | 15840 VA | **Total Est. Demand:** | 493631 VA |
| Power | 4896 VA | | 4896 VA | **Total Conn.:** | 594 A |
| | | | | **Total Est. Demand:** | 594 A |

**Notes:**
*See Demand Factor Table

## BRANCH PANEL: LP-1A2

**Location:** TOWER A LEVEL 1 KITCHEN
**Main Bus:** 400 A
**MCB:** 400A
**Voltage:** 120/208 Wye
**AIC Rating:** 10 kA

**Fed From:** T-P2A2-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 | POWER TOILET A108 RCPTS | RCPTS | 20 A | 1 | 720 VA 0 VA | | | 1 | 20 A | -- | SPARE | 2 |
| 3 | RCPTS CORRIDOR TO... | RCPTS | 20 A | 1 | | 540 VA 0 VA | | 1 | 20 A | -- | SPARE | 4 |
| 5 | RCPTS PRIVATE DINNING... | RCPTS | 20 A | 1 | | | 360 VA 0 VA | 1 | 20 A | -- | SPARE | 6 |
| 7 | RCPTS PRIVATE DINNING... | RCPTS | 20 A | 1 | 360 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 |
| 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 | SPARE | -- | 20 A | 1 | 0 VA 0 VA | | | 1 | 20 A | -- | SPARE | 50 |
| 51 | SPARE | -- | 20 A | 1 | | 0 VA 0 VA | | 1 | 20 A | -- | SPARE | 52 |
| 53 | SPARE | -- | 20 A | 1 | | | 0 VA 0 VA | 1 | 20 A | --