ELECTRICAL LEGEND AND ABBREVIATIONS

WIRING DEVICE LEGEND

CEILING	FLOOR	WALL	
			DUPLEX RECEPTACLE OUTLET: 125V
			DOUBLE DUPLEX RECEPTACLE OUTLET: 125V
			DUPLEX RECEPTACLE OUTLET: 125V ONE HALF SWITCHED
N/A	N/A		COMBINATION DUPLEX RECEPTACLE/USB OUTLET: 125V
			DOUBLE DUPLEX RECEPTACLE OUTLET: 125V ONE HALF SWITCHED
			SPECIAL PURPOSE RECEPTACLE OUTLET: RATING AS INDICATED
		N/A	COMBINATION DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
		N/A	COMBINATION DOUBLE DUPLEX RECEPTACLE/ TELECOM OUTLET: 125V
			TELECOM OUTLET
			COMBINATION VOICE & TELECOM OUTLET
N/A			POWER CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
N/A			TELECOM CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
WAP	N/A	N/A	WIRELESS ACCESS POINT
TV	TV	TV	TELEVISION COAXIAL OUTLET
N/A	N/A	AV	AV OUTLET
N/A	N/A		PUSH BUTTON
B	N/A	B	BUZZER
	N/A	DB	DOORBELL
N/A	N/A	RP	FLOWSCAPE ROOM PANEL
			POWER TYPE PLUGSTRIP OR SURFACE RACEWAY, LENGTH APPROXIMATELY AS SHOWN
			TELECOM TYPE PLUGSTRIP OR SURFACE RACEWAY, LENGTH APPROXIMATELY AS SHOWN

WIRING DEVICE SUBSCRIPT LEGEND

AC	AC = ABOVE COUNTER
GFI	GFI = GROUND FAULT CIRCUIT INTERRUPTER
IG	IG = ISOLATED GROUND
IG	IG = ISOLATED GROUND (ONE OF DOUBLE DUPLEX)
WP	WP = WEATHERPROOF
a	a = LOWER CASE LETTER INDICATES SWITCH CONTROL
EM EM	EM = DEVICE CIRCUITED TO STANDBY PANEL
XX	*XX* = MOUNTING HEIGHT ABOVE FINISHED FLOOR
6	6 = NUMBER INDICATES CIRCUIT NUMBER
USB	USB = COMBINATION DUPLEX RECEPTACLE/USB OUTLET

EQUIPMENT NAMING LEGEND

E ATS - 2 N A / 1,3,5

O BUS
U DPH
S DPL
DSH
DSL
LP
LPH
LRC
MCC
MP
MS
PDU
T
TB
TC

- 1,3,5 = CIRCUIT NUMBER(S)
- A = FIRST OF THIS TYPE ON FLOOR
- N = NORTH, EAST, SOUTH OR WEST
- 2 = FLOOR LEVEL

- ATS AUTOMATIC TRANSFER SWITCH
- BW BUSWAY
- DPH DISTRIBUTION PANEL 277/480V
- DPL DISTRIBUTION PANEL 120/208V
- DSH DISTRIBUTION SWITCHBOARD 277/480V
- DSL DISTRIBUTION SWITCHBOARD 120/208V
- LP BRANCH CIRCUIT PANELBOARD 120/208V
- LPH BRANCH CIRCUIT PANELBOARD 277/480V
- LRC LIGHTING RELAY CABINET
- MCC MOTOR CONTROL CENTER
- MP MECHANICAL EQUIPMENT PANELBOARD
- MS MAIN SWITCHBOARD
- PDU POWER DISTRIBUTION UNIT
- T TRANSFORMER
- TB TELECOM BACKBOARD
- TC TELECOM CABINET

- E EMERGENCY LIFE SAFETY
- O OPTIONAL STANDBY POWER
- U UPS POWER
- S LEGALLY REQUIRED STANDBY

POWER LEGEND

	ATS, CPC, DPH, DPL, DSH, DSL, MCC OR MS: SIZE APPROXIMATELY AS SHOWN. DOUBLE LINE INDICATES FRONT.
	DISTRIBUTION SWITCHBOARD
	SURFACE MOUNTED PANELBOARD:277/480V SIZE APPROXIMATELY AS SHOWN
	RECESSED MOUNTED PANELBOARD:277/480V SIZE APPROXIMATELY AS SHOWN
	SURFACE MOUNTED PANELBOARD:120/208V SIZE APPROXIMATELY AS SHOWN
	RECESSED MOUNTED PANELBOARD:120/208V SIZE APPROXIMATELY AS SHOWN
	TELECOM BACKBOARD: LENGTH APPROXIMATELY AS SHOWN
	BUSWAY RISER WITH PLUG IN UNIT, FUSE
	BUSWAY RISER WITH PLUG IN UNIT, BREAKER
	BUSWAY HORIZONTAL
CTB	CABLE TAP BOX
T F	STEP DOWN TRANSFORMER
	HEAVY DUTY DISCONNECT SWITCH
	HEAVY DUTY DISCONNECT SWITCH WITH FUSE
	MOTOR STARTER
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
VFD	VFD WITH DISCONNECT, NOT PROVIDED UNDER ELECTRICAL SCOPE
VFD	VFD WITHOUT DISCONNECT, NOT PROVIDED UNDER ELECTRICAL SCOPE
EPO	EMERGENCY POWER OFF BUTTON
$ MD	MOTORIZED DOOR CONTROLLER (FURNISHED WITH DOOR)
$ MS	MOTORIZED SHADE CONTROLLER (FURNISHED WITH SHADES)
$ PS	PROJECTION SCREEN CONTROLLER (FURNISHED WITH SCREEN)
$ SC	SPEED CONTROLLER (FURNISHED WITH EQUIPMENT)
$ T	THERMAL OVERLOAD/DISCONNECT SWITCH
M	MOTOR CONNECTION
J	JUNCTION BOX, CEILING MOUNTED
J	JUNCTION BOX, WALL MOUNTED
P B	PULL BOX
S B	SPLICE BOX
G	GROUND BUS CABINET
	NUMBERED NOTE
SF-1	EQUIPMENT TYPE
MCC-1A	PANEL NAME

RACEWAY LEGEND

	CONDUIT CONCEALED ABOVE CEILING OR WITHIN WALL
	CONDUIT BELOW GRADE OR EMBEDDED WITHIN SLAB
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT STUBBED OUT WITH BUSHING NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
	CONDUIT STUBBED OUT AND CAPPED NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
AV	AUDIO/VISUAL SYSTEM RACEWAY
CT	CABLE TRAY
G	GROUNDING SYSTEM RACEWAY
FA	FIRE ALARM SYSTEM RACEWAY
S	SECURITY SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
T	TELECOM SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
TV	TELEVISION SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
	CONDUIT HOMERUN NOTE: MAXIMUM OF THREE BRANCH CIRCUITS FOR EACH HOMERUN, UON
	PHASE CONDUCTOR(S) GROUNDING CONDUCTOR
	ISOLATED GROUNDING CONDUCTOR
	NEUTRAL CONDUCTOR

ONE-LINE DIAGRAM LEGEND

	TRANSFORMER
	CIRCUIT BREAKER
	SWITCH AND FUSE
	DRAWOUT TYPE CIRCUIT BREAKER
	DRAWOUT TYPE SWITCH AND FUSE
	CIRCUIT BREAKER IN ENCLOSURE
	CURRENT TRANSFORMER
M	UTILITY METERING BASE
P	PLUG LOAD ENERGY METER
L	LIGHTING LOAD ENERGY METER
H	HVAC LOAD ENERGY METER
	AUTOMATIC TRANSFER SWITCH
	PANEL - REFER TO EQUIPMENT NAMING LEGEND ON THIS SHEET
XX.XXkA	SHORT CIRCUIT CURRENT AVAILABLE
GFR	GROUND FAULT RELAY
GFP	GROUND FAULT PROTECTION
SPD	SURGE PROTECTION DEVICE
	GROUND
G	GENERATOR
G	GENERATOR IN WP ENCLOSURE
	BUS
	RACEWAY
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
M	MOTOR

LIGHTING LEGEND

	LUMINAIRE: CEILING MOUNTED
	LUMINAIRE: WALL MOUNTED
	LUMINAIRE, SIZE APPROXIMATELY AS SHOWN; CEILING MOUNTED
	LUMINAIRE, SIZE APPROXIMATELY AS SHOWN; WALL MOUNTED
	LUMINAIRE CONNECTED TO EMERGENCY POWER SYSTEM
	LUMINAIRE, CONTINUOUS ROW; CEILING MOUNTED
	LUMINAIRE, WALL WASHER; CEILING MOUNTED
	LUMINAIRE(S); POLE MOUNTED
2 a	LUMINAIRE SUBSCRIPTS: NUMBER INDICATES CIRCUIT, LOWERCASE LETTER INDICATES SWITCH CONTROL
F01	LUMINAIRE TAG
	LIGHTING TRACK WITH FIXTURES, LENGTH APPROXIMATELY AS SHOWN
EXIT SIGNS	ARROWS AS SHOWN, ILLUMINATED FACE AS INDICATED BY SHADING, CONNECT TO EMERGENCY POWER SYSTEM
	EXIT SIGN; WALL MOUNTED
	EXIT SIGN; CEILING MOUNTED
P	EXIT SIGN; PENDENT MOUNTED
L	EXIT SIGN, LOW LEVEL; RECESSED IN WALL

LIGHTING DEVICE LEGEND

$	SINGLE POLE SWITCH
$ 2	DOUBLE POLE SWITCH
$ 3	THREE WAY SWITCH
$ H	ILLUMINATED HANDLE SWITCH
$ K	KEY SWITCH
$ MC	MOMENTARY CONTACT SWITCH
$ T	TIMER SWITCH
$ D	WALL DIMMER
$ LV	LOW VOLTAGE SWITCH
$ OS	OCCUPANCY SENSOR SWITCH
$ VS	VACANCY SENSOR SWITCH
$ LV D	WALL DIMMER WITH LOW VOLTAGE SWITCH
$ OS D	WALL DIMMER WITH OCCUPANCY SENSOR SWITCH
$ VS D	WALL DIMMER WITH VACANCY SENSOR SWITCH
VS	VACANCY SENSOR
PC	PHOTOCELL
OS	OCCUPANCY SENSOR; WALL MOUNTED
OS	OCCUPANCY SENSOR; CEILING MOUNTED
2S	2-BUTTON LOW-VOLTAGE WALL SWITCH
2D	2-BUTTON LOW-VOLTAGE WALL-MOUNTED DIMMING SCENE SELECTOR WITH RAISE/FLOOR
4S	4-BUTTON LOW-VOLTAGE WALL SWITCH
4D	4-BUTTON LOW-VOLTAGE WALL-MOUNTED DIMMING SCENE SELECTOR WITH RAISE/FLOOR
DZC	DIMMING ZONE CONTROLLER, RECESSED IN WALL

DEFERRED SUBMITTALS

THE BELOW ITEMS ARE NOT PART OF THIS PERMIT. THEY ARE TO BE SUBMITTED FOR PLAN CHECK AS REQUIRED DURING CONSTRUCTION BY THE CONTRACTOR. THESE DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW THEM AND RETURN BACK TO CONTRACTOR WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND THAT
THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THESE SEPARATE ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE DEPARTMENT OF BUILDING AND SAFETY:

1. SEISMIC AND WIND RESTRAINTS.

ABBREVIATIONS

℄	CENTER LINE
A	AMPERES
AEP	ABOVE ELEVATOR PIT
AF/AS	AMPERE RATING OF FUSE/SWITCH
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
AT/AF	AMPERE RATING OF CIRCUIT, BREAKER TRIP/FRAME
A/V	AUDIO/VISUAL
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT (GENERIC TERM FOR RACEWAY - PROVIDE AS SPECIFIED)
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER
DWG	DRAWING
(E)	EXISTING TO REMAIN
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FP	FIRE PROTECTION SYSTEM INSTALLER
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTOR
GFP	GROUND FAULT PROTECTOR FOR EQUIPMENT
GND	GROUND
HP	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FRAME ROOM
IG	ISOLATED GROUND
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILO-VOLT AMPERE
KW	KILO-WATT
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME ROOM
MDP	MAIN DISTRIBUTION PANEL
MIC	MINERAL INSULATED CABLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
(N)	NEW
NIC	NOT IN CONTACT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE
PB	PULL BOX
PH	PHASE
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
(R)	EXISTING TO BE RELOCATED
RAC	RIGID ALUMINUM CONDUIT
RGS	RIGID GALVANIZED STEEL
RSC	RIGID STEEL CONDUIT
SCC	SECURITY CONTROL CENTER
SN	SOLID NEUTRAL
TB	TELECOM BACKBOARD
TEL	TELECOM
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
WP	WEATHERPROOF
WT	WATERTIGHT
(X)	EXISTING TO BE REMOVED
XP	EXPLOSION PROOF

ELECTRICAL SHEET LIST

SHEET NUMBER	SHEET NAME
E0.01	ELECTRICAL LEGENDS AND ABBREVIATIONS
E0.02	ELECTRICAL ENERGY CODE COMPLIANCE FORMS
E0.03	EGRESS LIGHTING LEVEL CALCULATION - TOWER A CORES
E0.04	EGRESS LIGHTING LEVEL CALCULATION - TOWER A LEVEL B1
E0.05	EGRESS LIGHTING LEVEL CALCULATION - TOWER A LEVEL 1
E0.06	EGRESS LIGHTING LEVEL CALCULATION - TOWER AB LOBBY
E0.07	EGRESS LIGHTING LEVEL CALCULATION - TOWER B LEVEL P1
E0.08	EGRESS LIGHTING LEVEL CALCULATION - TOWER B LEVEL 1
E0.09	EGRESS LIGHTING LEVEL CALCULATION - TOWER C LEVEL 1
E1.01	ELECTRICAL SITE PLAN
E2.2A.01	TOWER A - LVL B ELECTRICAL POWER PLAN
E2.2A.02	TOWER A - LVL P2 ELECTRICAL POWER PLAN
E2.2A.11	TOWER A - LVL 1 ELECTRICAL POWER PLAN
E2.2A.12	TOWER A - LVL 2 ELECTRICAL POWER PLAN
E2.2A.13	TOWER A - LVL 3 ELECTRICAL POWER PLAN
E2.2A.14	TOWER A - LVL 4 ELECTRICAL POWER PLAN
E2.2A.15	TOWER A - LVL 5 ELECTRICAL POWER PLAN
E2.2A.16	TOWER A - LVL 6 ELECTRICAL POWER PLAN
E2.2A.R	TOWER A - ROOF ELECTRICAL POWER PLAN
E2.2AB.11	ELECTRICAL POWER PLANS TOWER AB LOBBY
E2.2B.01	TOWER B - LVL B ELECTRICAL POWER PLAN
E2.2B.02	TOWER B - LVL P2 ELECTRICAL POWER PLAN
E2.2B.03	TOWER B - LVL P1 ELECTRICAL POWER PLAN
E2.2B.11	TOWER B - LVL 1 ELECTRICAL POWER PLAN
E2.2B.12	TOWER B - LVL 2 ELECTRICAL POWER PLAN
E2.2B.13	TOWER B - LVL 3 ELECTRICAL POWER PLAN
E2.2B.14	TOWER B - LVL 4 ELECTRICAL POWER PLAN
E2.2B.15	TOWER B - LVL 5 ELECTRICAL POWER PLAN
E2.2B.16	TOWER B - LVL 6 ELECTRICAL POWER PLAN
E2.2B.17	TOWER B - LVL 7 ELECTRICAL POWER PLAN
E2.2B.R	TOWER B - ROOF ELECTRICAL POWER PLAN
E2.2C.01	TOWER C - LVL P1 ELECTRICAL POWER PLAN
E2.2C.11	TOWER C - LVL 1 ELECTRICAL POWER PLAN
E2.2C.12	TOWER C - LVL 2 ELECTRICAL POWER PLAN
E2.2C.13	TOWER C - LVL 3 ELECTRICAL POWER PLAN
E2.2C.14	TOWER C - LVL 4 ELECTRICAL POWER PLAN
E2.2C.15	TOWER C - LVL 5 ELECTRICAL POWER PLAN
E2.2C.16	TOWER C - LVL 6 ELECTRICAL POWER PLAN
E2.2C.17	TOWER C - LVL 7 ELECTRICAL POWER PLAN
E2.2C.18	TOWER C - LVL 8 ELECTRICAL POWER PLAN
E2.2C.R	TOWER C - ROOF ELECTRICAL POWER PLAN
E2.3BC.1f	TOWER BC CONNECTOR - LVL 1 ELECTRICAL POWER PLAN
E2.4.A	TOWER A/B ELECTRICAL POWER PLAN - UNIT A
E2.4.B	TOWER A/B ELECTRICAL POWER PLAN - UNIT B
E2.4.C	TOWER A/B ELECTRICAL POWER PLAN - UNIT C
E2.4.D	TOWER A/B ELECTRICAL POWER PLAN - UNIT D
E2.4.E	TOWER A/B ELECTRICAL POWER PLAN - UNIT E
E2.4.F	TOWER A/B ELECTRICAL POWER PLAN - UNIT F
E2.4.G	TOWER A/B ELECTRICAL POWER PLAN - UNIT G
E2.4.H	TOWER A/B ELECTRICAL POWER PLAN - UNIT H
E2.4.I	TOWER A/B ELECTRICAL POWER PLAN - UNIT I
E2.4.J	TOWER A/B ELECTRICAL POWER PLAN - UNIT J
E2.4.K	TOWER A/B ELECTRICAL POWER PLAN - UNIT K
E2.4.M	TOWER C ELECTRICAL POWER PLAN - UNIT M
E2.4.N	TOWER C ELECTRICAL POWER PLAN - UNIT N
E2.4.O	TOWER C ELECTRICAL POWER PLAN - UNIT O
E2.4.P	TOWER A/B ELECTRICAL POWER PLAN - UNIT P
E2.4.Q	TOWER A/B ELECTRICAL POWER PLAN - UNIT Q
E2.4.R	TOWER C ELECTRICAL POWER PLAN - UNIT R
E3.2A.01	TOWER A - LVL B1 ELECTRICAL LIGHTING PLAN
E3.2A.02	TOWER A - LVL P2 ELECTRICAL LIGHTING PLAN
E3.2A.11	TOWER A - LVL 1 ELECTRICAL LIGHTING PLAN
E3.2A.12	TOWER A - LVL 2 ELECTRICAL LIGHTING PLAN
E3.2A.13	TOWER A - LVL 3 ELECTRICAL LIGHTING PLAN
E3.2A.14	TOWER A - LVL 4 ELECTRICAL LIGHTING PLAN
E3.2A.15	TOWER A - LVL 5 ELECTRICAL LIGHTING PLAN
E3.2A.16	TOWER A - LVL 6 ELECTRICAL LIGHTING PLAN
E3.2AB.11	ELECTRICAL LIGHTING PLAN TOWER AB LOBBY
E3.2B.01	TOWER B - LVL B ELECTRICAL LIGHTING PLAN
E3.2B.02	TOWER B - LVL P2 ELECTRICAL LIGHTING PLAN
E3.2B.03	TOWER B - LVL P1 ELECTRICAL LIGHTING PLAN
E3.2B.11	TOWER B - LVL 1 ELECTRICAL LIGHTING PLAN
E3.2B.12	TOWER B - LVL 2 ELECTRICAL LIGHTING PLAN
E3.2B.13	TOWER B - LVL 3 ELECTRICAL LIGHTING PLAN
E3.2B.14	TOWER B - LVL 4 ELECTRICAL LIGHTING PLAN
E3.2B.15	TOWER B - LVL 5 ELECTRICAL LIGHTING PLAN
E3.2B.16	TOWER B - LVL 6 ELECTRICAL LIGHTING PLAN
E3.2B.17	TOWER B - LVL 7 ELECTRICAL LIGHTING PLAN
E3.3C.01	TOWER C - LVL P1 ELECTRICAL LIGHTING PLAN
E3.3C.11	TOWER C - LVL 1 ELECTRICAL LIGHTING PLAN
E3.3C.12	TOWER C - LVL 2 ELECTRICAL LIGHTING PLAN
E3.3C.13	TOWER C - LVL 3 ELECTRICAL LIGHTING PLAN
E3.3C.14	TOWER C - LVL 4 ELECTRICAL LIGHTING PLAN
E3.3C.15	TOWER C - LVL 5 ELECTRICAL LIGHTING PLAN
E3.3C.16	TOWER C - LVL 6 ELECTRICAL LIGHTING PLAN
E3.3C.17	TOWER C - LVL 7 ELECTRICAL LIGHTING PLAN
E3.3C.18	TOWER C - LVL 8 ELECTRICAL LIGHTING PLAN
E3.3C.R	TOWER C - ROOF ELECTRICAL LIGHTING PLAN
E3.4.A	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT A
E3.4.B	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT B
E3.4.C	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT C
E3.4.D	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT D
E3.4.E	TOWR A/B ELECTRICAL LIGHTING PLAN - UNIT E
E3.4.F	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT F
E3.4.G	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT G
E3.4.H	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT H
E3.4.I	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT I
E3.4.J	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT J
E3.4.K	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT K
E3.4.M	TOWER C ELECTRICAL LIGHTING PLAN - UNIT M
E3.4.N	TOWER C ELECTRICAL LIGHTING PLAN - UNIT N
E3.4.O	TOWER C ELECTRICAL LIGHTING PLAN - UNIT O
E3.4.P	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT P
E3.4.Q	TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT Q
E3.4.R	TOWER C ELECTRICAL LIGHTING PLAN - UNIT R
E4.01AB	ELECTRICAL ENLARGED PLANS
E4.01C	ELECTRICAL ENLARGED PLANS
E5.01AB	ELECTRICAL ONE-LINE
E5.01C	ELECTRICAL ONE-LINE
E6.01C	ELECTRICAL SCHEDULES
E6.02AB	ELECTRICAL WIRING SCHEDULES
E6.02C	ELECTRICAL SCHEDULES
E6.03AB	LUMINAIRE SCHEDULE
E6.03C	ELECTRICAL SCHEDULES
E6.04AB	ELECTRICAL SCHEDULES
E6.05AB	ELECTRICAL SCHEDULES
E6.06AB	ELECTRICAL SCHEDULES
E6.07AB	ELECTRICAL SCHEDULES
E6.08AB	ELECTRICAL SCHEDULES
E6.09AB	ELECTRICAL SCHEDULES
E6.10AB	ELECTRICAL SCHEDULES
E7.01AB	ELECTRICAL CONNECTION SCHEDULE
E7.02AB	ELECTRICAL CONNECTION SCHEDULE UNITS
E7.03AB	ELECTRICAL CONNECTION SCHEDULE UNITS

Reserved for permit stamp

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drawn by _____
_____
checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

PROGRESS PRINT
07/15/2022

ELECTRICAL LEGENDS AND ABBREVIATIONS

E0.01

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LED: X02: CYLINDER DOWNLIGHT: Other:	1	2	34	68
LED: X04: BOLLARD: Other:	1	3	15	45
LED: X07: SCONCE: Other:	1	2	11	22
LED: X08: STAIR LIGHT: Other:	1	11	4	44
Walkway >= 10 feet wide (6023 ft2): Tradable Wattage				
LED: X05: POLE LIGHT: Other:	1	16	36	576
Parking area (5233 ft2): Tradable Wattage				
LED: X01: SCONCE: Other:	1	2	23	46
LED: X05: POLE LIGHT: Other:	1	2	36	72
LED: X08: STAIR LIGHT: Other:	1	2	4	8
Pedestrian and vehicular entrances and exits (39 ft of door width): Tradable Wattage				
LED: X01: SCONCE: Other:	1	7	23	161
	Total Tradable Proposed Watts =			2391

Exterior Lighting PASSES: Design 47% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COM*check* Software Version 4.1.5.5

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Sommet Blanc
Project Type:	New Construction
Exterior Lighting Zone	2 (Residential mixed use area (LZ2))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Pool and Decks (Special feature area)	17207 ft2	0.1	Yes	1721
Stairway	234 ft2	0.7	Yes	164
Entry canopy	2501 ft2	0.25	Yes	625
Plaza area	2434 ft2	0.1	Yes	243
Walkway >= 10 feet wide	6023 ft2	0.1	Yes	602
Parking area	5233 ft2	0.04	Yes	209
Pedestrian and vehicular entrances and exits	39 ft of door	14	Yes	546
		Total Tradable Watts (a) =		4111
		Total Allowed Watts =		4111
		Total Allowed Supplemental Watts (b) =		400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Pool and Decks (Special feature area, 17207 ft2): Tradable Wattage				
LED: L02-g: DOWNLIGHT WET: Other:	1	9	15	135
LED: X01: SCONCE: Other:	1	1	23	23
LED: X02: CYLINDER DOWNLIGHT: Other:	1	3	34	102
LED: X03: STAIR LIGHT: Other:	1	20	3	60
LED: X04: BOLLARD: Other:	1	15	15	225
LED: X05: POLE LIGHT: Other:	1	4	36	144
LED: X06: POLE LIGHT: Other:	1	3	72	216
LED: X08: STAIR LIGHT: Other:	1	8	4	32
LED: X09: CYLINDER DOWNLIGHT: Other:	1	13	10	130
Stairway (234 ft2): Tradable Wattage				
LED: X02: CYLINDER DOWNLIGHT: Other:	1	1	34	34
LED: X08: STAIR LIGHT: Other:	1	2	4	8
Entry canopy (2501 ft2): Tradable Wattage				
LED: L02-g: DOWNLIGHT WET: Other:	1	4	15	60
LED: X09: CYLINDER DOWNLIGHT: Other:	1	18	10	180
Plaza area (2434 ft2): Tradable Wattage				

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LED: LD 10: DECORATIVE LIGHTING: Other:	1	1	600	600
LED: LD 11: DECORATIVE LIGHTING: Other:	1	120	6	720
LED: LD 12: DECORATIVE LIGHTING: Other:	1	15	20	300
LED: LD 13: DECORATIVE LIGHTING: Other:	1	3	100	300
LED: LD 14: DECORATIVE LIGHTING: Other:	1	3	100	300
LED: LD 17: DECORATIVE LIGHTING: Other:	1	16	100	1600
LED: LD 18: DECORATIVE LIGHTING: Other:	1	39	21	819
LED: LD 20: DECORATIVE LIGHTING: Other:	1	3	100	300
LED: LD 21: DECORATIVE LIGHTING: Other:	1	1	300	300
LED: LD 22: DECORATIVE LIGHTING: Other:	1	4	21	84
LED: Other:	1	1	1	1
		Total Proposed Watts =		54979

Interior Lighting PASSES: Design 31% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COM*check* Software Version 4.1.5.5

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Sommet Blanc
Project Type:	New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Sommet Blanc (Multifamily)	117487	0.68	79891
		Total Allowed Watts =	79891

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Sommet Blanc (Multifamily)				
LED: L01: DOWNLIGHT: Other:	1	565	15	8475
LED: L02: DOWNLIGHT: Other:	1	23	15	345
LED: L03: DOWNLIGHT: Other:	1	51	15	765
LED: L04: LED STRIP LIGHT: Other:	1	1	735	735
LED: L04: LED COVE LIGHT: Other:	1	1	654	654
LED: L05: LED COVE LIGHT: Other:	1	1	717	717
LED: L05: LED COVE LIGHT: Other:	1	1	51	51
LED: L06: UTILITY STRIP LIGHT: Other:	1	2	120	240
LED: L07: LED PANEL LIGHT: Other:	1	7	15	105
LED: L08: LED PANEL LIGHT: Other:	1	9	12	108
LED: L09: LED PANEL LIGHT: Other:	1	4	17	68
LED: L10: SLIM LIGHT: Other:	1	6	12	72
LED: L12 8ft: STRIP LIGHT WET: Other:	1	291	80	23280
LED: L13 4ft: STRIP LIGHT WET: Other:	1	56	40	2240
LED: L14: SCONCE: Other:	1	22	11	242
LED: L15: LINEAR UPLIGHT STRIP: Other:	1	1	468	468
LED: L16: CYLINDER DOWNLIGHT: Other:	1	66	27	1782
LED: L17: LED PANEL LIGHT: Other:	1	25	41	1025
LED: L20: MULTIPLE DOWNLIGHT: Other:	1	39	35	1365
LED: L21: PENDANT CYLINDER: Other:	1	31	15	465
LED: L22: LINEAR LED: Other:	1	1	210	210
LED: L23: LED STRIP: Other:	1	1	51	51
LED: L24: LED STRIP: Other:	1	1	192	192
LED: LD: DECORATIVE LIGHTING: Other:	1	15	400	6000

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.4.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.1 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][1]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.4 [EL26][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.4 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.5 [EL28][1][2]	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.6 [EL30][1][2]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.6 [EL26][1]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28][1]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9 [EL29][1]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21][1]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

COM*check* Software Version 4.1.5.5

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 69.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.5 [PR16][1]	Group R-2 dwelling units have separate electrical meters.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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drawn by _____
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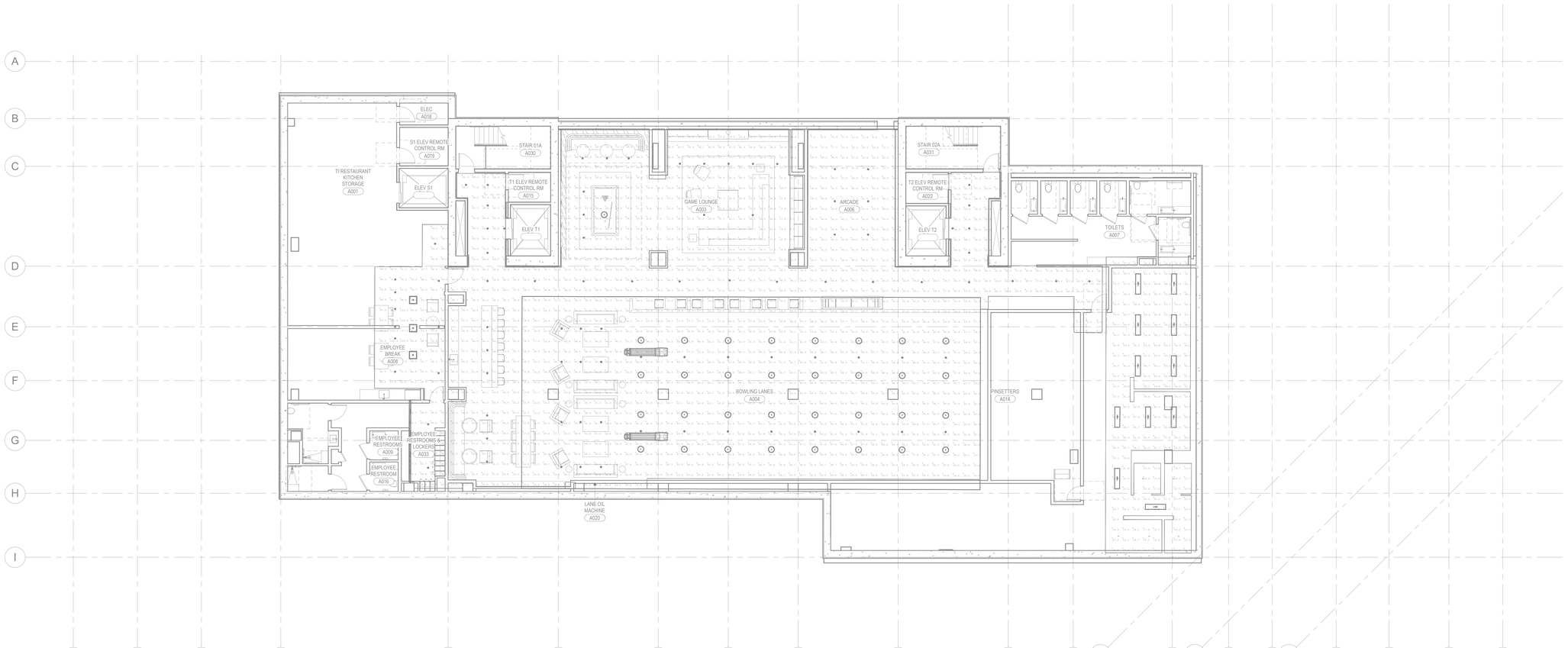
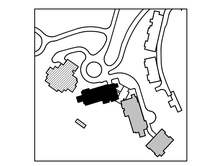
ELECTRICAL ENERGY CODE COMPLIANCE FORMS

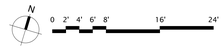
E0.02



1 TOWER A - LEVEL B1 PHOTOMETRIC PLAN

SCALE: 1/8" = 1'-0"





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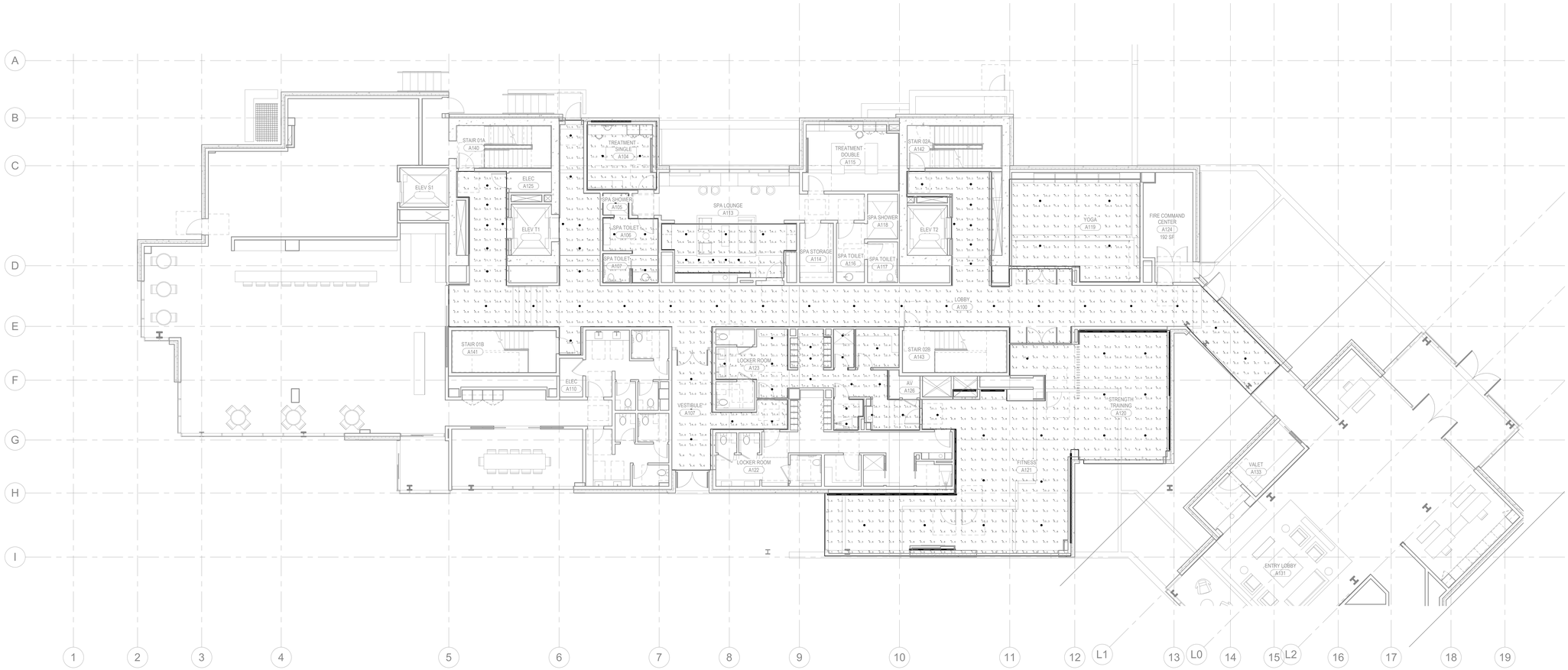
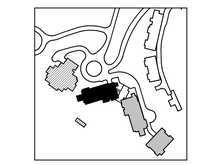
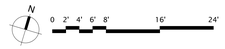
EGRESS LIGHTING LEVEL CALCULATION - TOWER A LEVEL B1

E0.04



1 TOWER A - LEVEL 1 PHOTOMETRIC PLAN
SCALE: 1/8" = 1'-0"





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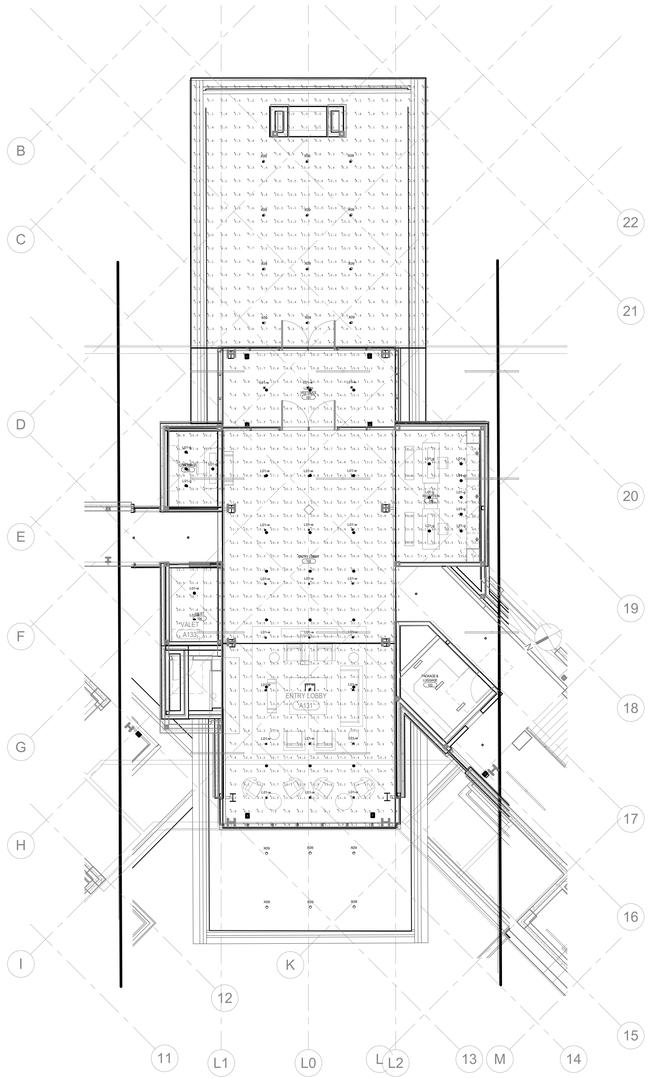
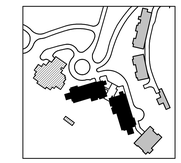
EGRESS LIGHTING LEVEL CALCULATION - TOWER A LEVEL 1

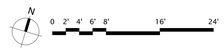
E0.05



1 TOWER A/B - LEVEL 1 LOBBY PHOTOMETRIC PLAN

SCALE: 1/8" = 1'-0"





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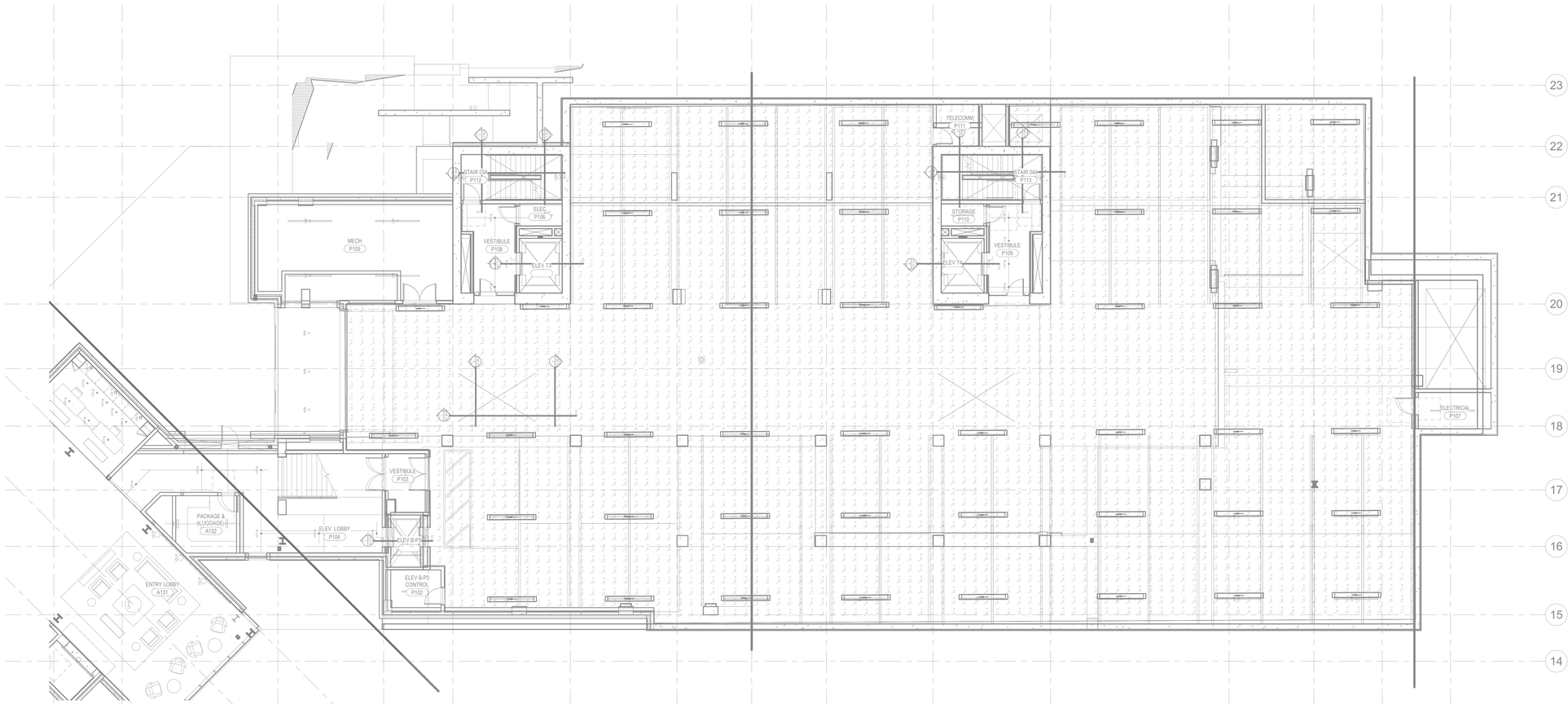
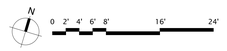
EGRESS LIGHTING LEVEL CALCULATION - TOWER AB LOBBY

E0.06



1 TOWER B - PARKING LEVEL 1 PHOTOMETRIC PLAN
SCALE: 1/8" = 1'-0"



NUMBERED NOTES:

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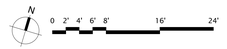
EGRESS LIGHTING LEVEL CALCULATION - TOWER B LEVEL P1

E0.07

NUMBERED NOTES:

1 TOWER B - LEVEL 1 PHOTOMETRIC PLAN

SCALE: 1/8" = 1'-0"



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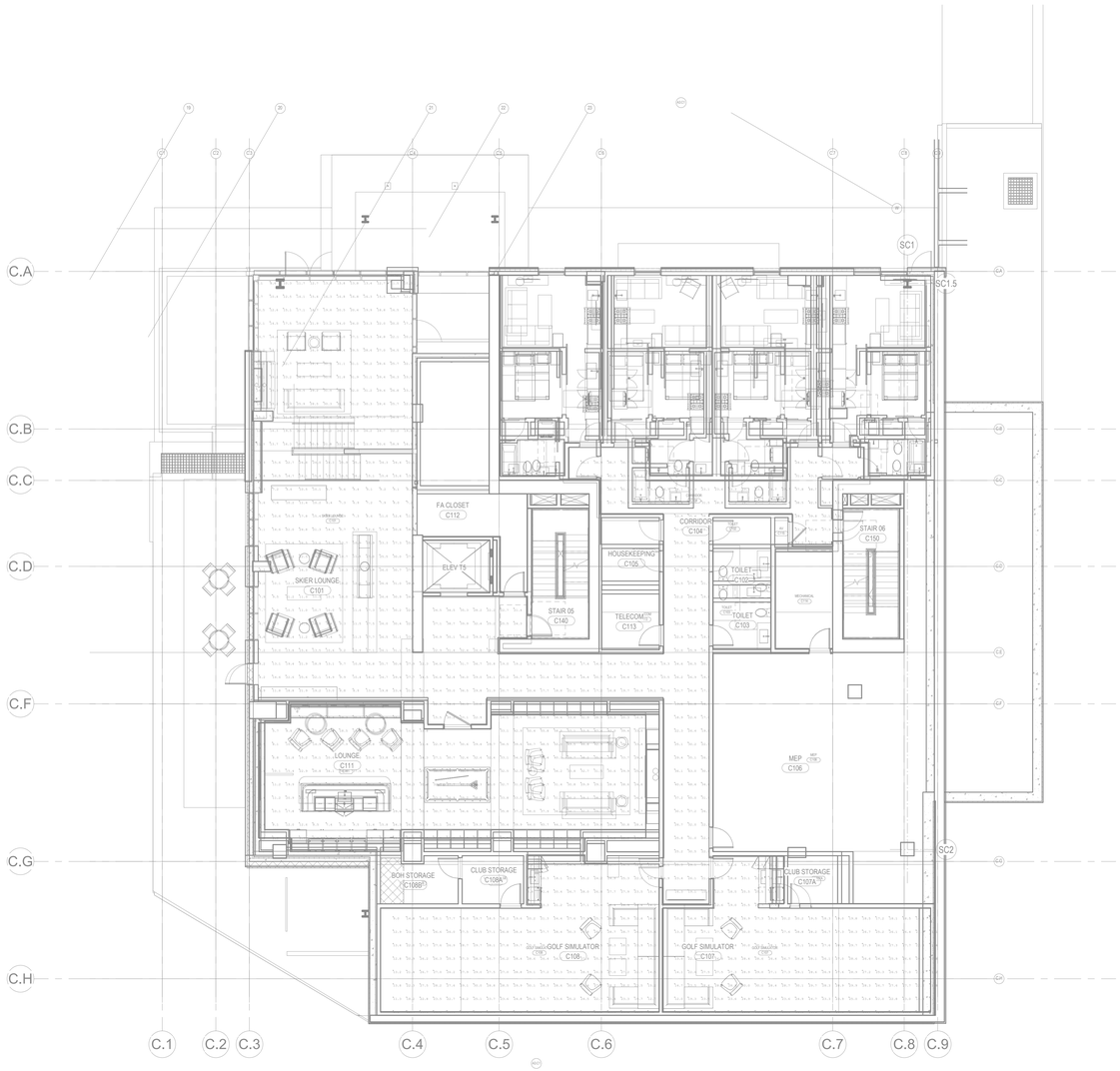
EGRESS LIGHTING LEVEL CALCULATION - TOWER B LEVEL 1

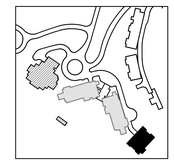
E0.08

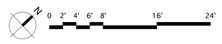


1 TOWER C - LEVEL 1 PHOTOMETRIC PLAN

SCALE: 1/8" = 1'-0"

NUMBERED NOTES:





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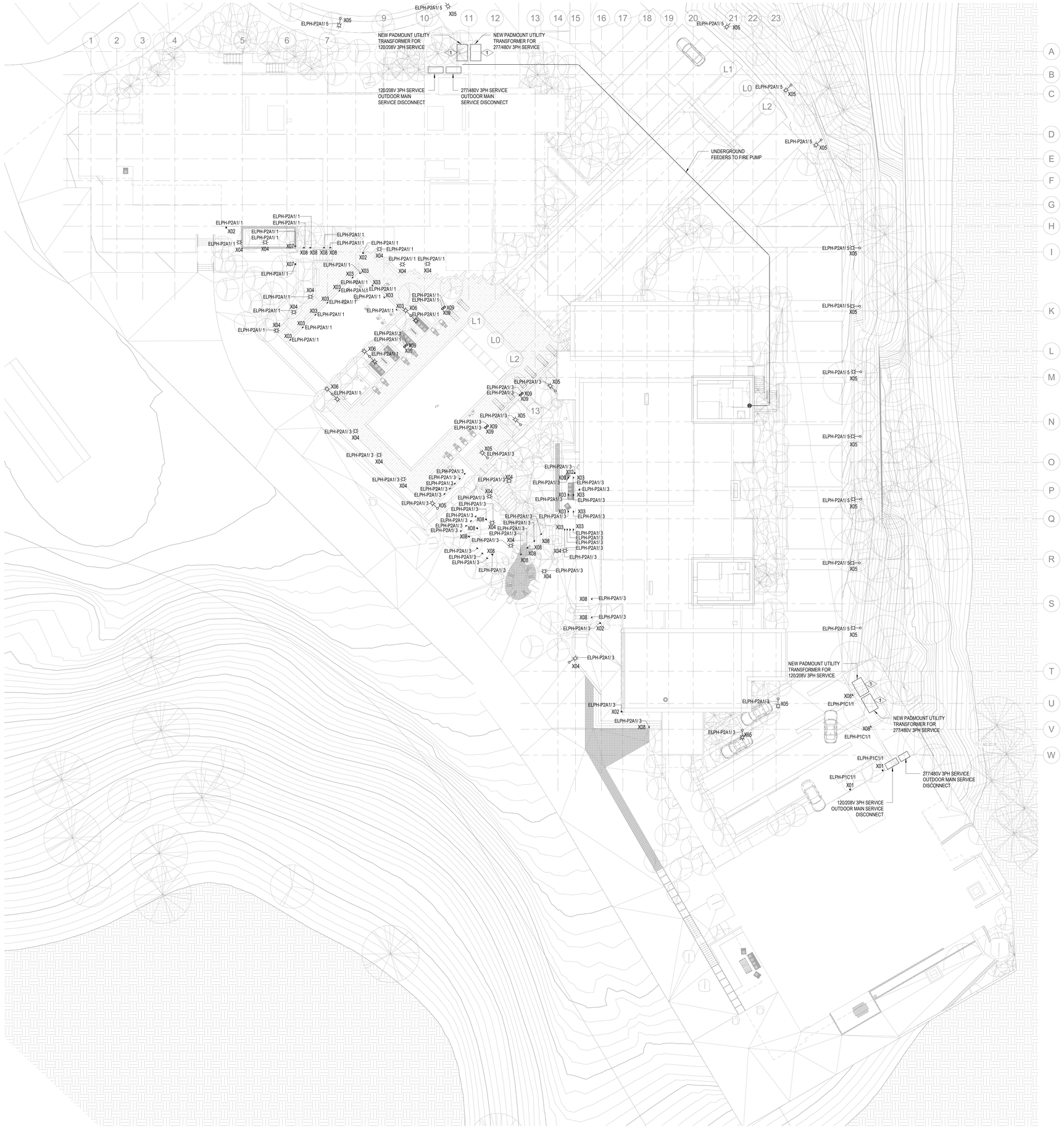
EGRESS LIGHTING LEVEL CALCULATION - TOWER C LEVEL 1

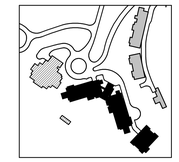
E0.09

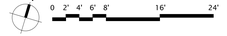


1 ELECTRICAL SITE PLAN
SCALE: 1/16" = 1'-0"

NUMBERED NOTES:

1 UTILITY TRANSFORMERS ARE TO BE MOUNTED ON A 10 FT X 10 FT CONCRETE PAD WITH 10 FT CLEARANCE FOR FRONT ACCESS AND 3 FT CLEARANCE ON OTHER SIDES, COMPLETE WITH A CABLE VAULT BELOW. BARRIER POSTS ARE TO BE SUPPLIED AND INSTALLED WHERE TRAFFIC MAY POSE A THREAT TO THE UTILITY EQUIPMENT. BARRIER POSTS SHALL BE 6 INCH IN DIAMETER, BE STEEL OR CONCRETE SUITABLE FOR LOCAL ENVIRONMENTAL CONDITIONS. EXACT LOCATION OF BARRIER POSTS ARE TO BE REVIEWED AND CONFIRMED BY ROCKY MOUNTAIN POWER PRIOR TO INSTALLATION.





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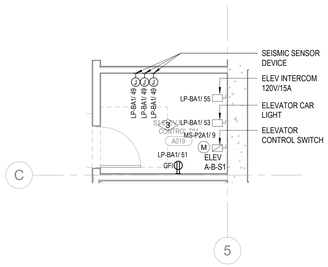
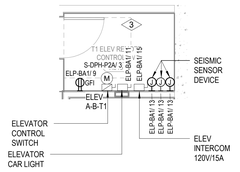
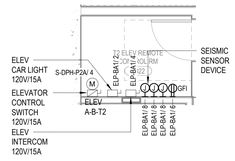
ELECTRICAL SITE PLAN
E1.01



2 TOWER A - S1 ELEVATOR REMOTE CONTROL ROOM
SCALE: 1/4" = 1'-0"



3 TOWER A - T1 ELEVATOR REMOTE CONTROL ROOM
SCALE: 1/4" = 1'-0"



4 TOWER A - T2 ELEVATOR REMOTE CONTROL ROOM
SCALE: 1/4" = 1'-0"

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS AND ALL COMMON AREAS AS PER NEC 406.12.

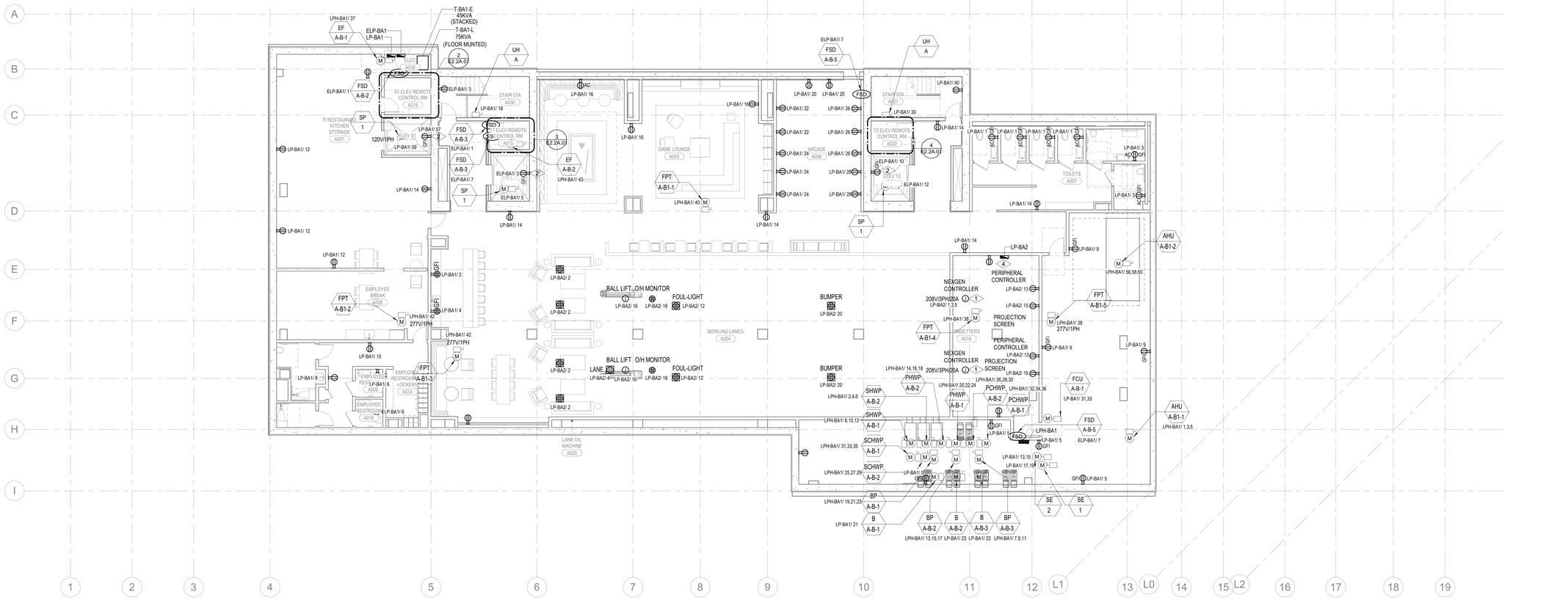
NUMBERED NOTES:

1 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DIRECT CONNECTION, WIRING AND RIGID CONDUIT FROM CEILING MOUNTED JUNCTION BOX NOTED TO THE FLOOR MOUNTED NEXGEN CONTROLLER. EXACT LOCATION OF THE NEXGEN CONTROLLER IS TO BE COORDINATED ON SITE PRIOR TO CONSTRUCTION.

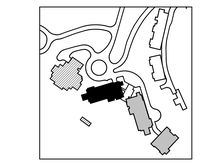
2 DUPLEX RECEPTACLE TO BE INSTALLED IN THE ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.

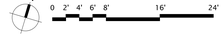
3 COORDINATE EQUIPMENT LAYOUT WITH ELEVATOR PROVIDER PRIOR TO ROUGH IN. PROVIDE ALL CODE-REQUIRED CLEARANCES AROUND EQUIPMENT.

4 ELECTRICAL SUBPANEL WITH ISOLATED GROUND IS DEDICATED FOR BOWLING EQUIPMENT. GENERAL LIGHTING AND RECEPTACLE LOADS SHALL NOT BE CONNECTED TO THIS PANEL.



1 TOWER A - LEVEL B ELECTRICAL POWER
SCALE: 1/8" = 1'-0"





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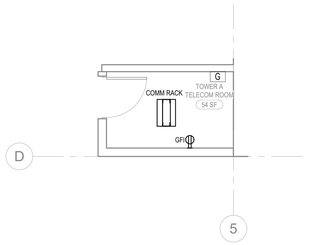
TOWER A - LVL B ELECTRICAL POWER PLAN

E2.2A.01



2 TOWER A - TELECOM ROOM
SCALE: 1/4" = 1'-0"

SHEET NOTES:

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B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

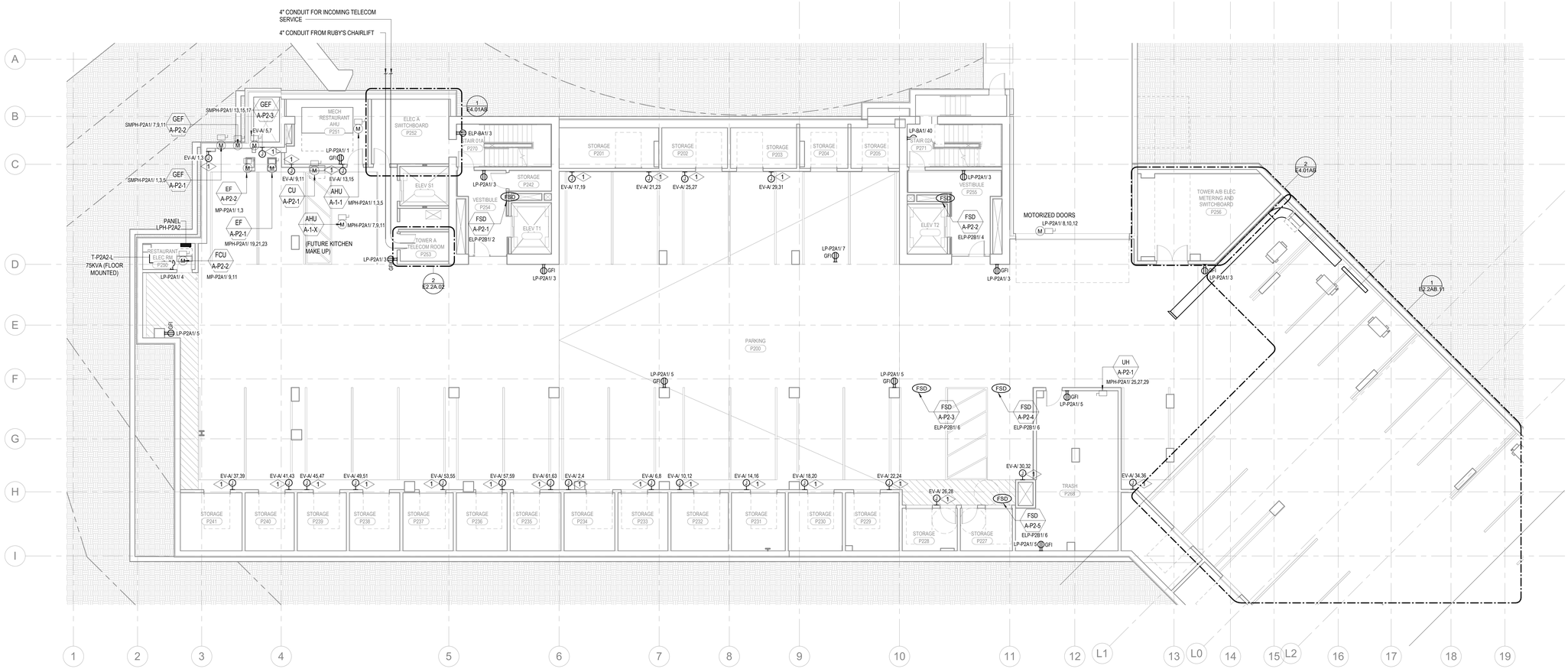
G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

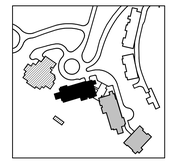
I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS AND ALL COMMON AREAS AS PER NEC 406.12.

NUMBERED NOTES:

1 SUPPLY AND INSTALL SURFACE MOUNTED JUNCTION BOX COMPLETE WITH 2#8 + 1#10G WIRING IN 3/4"C SURFACE MOUNTED CONDUIT FOR EV CAR CHARGER. EXACT LOCATION AND MOUNTING HEIGHT ARE TO BE COORDINATED WITH EV CAR CHARGER SUPPLIER PRIOR TO CONSTRUCTION.



1 TOWER A - PARKING LEVEL 2 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



N 0 2' 4' 6' 8' 16' 24'

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TOWER A - LVL P2
ELECTRICAL POWER
PLAN

E2.2A.02

SHEET NOTES:

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C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

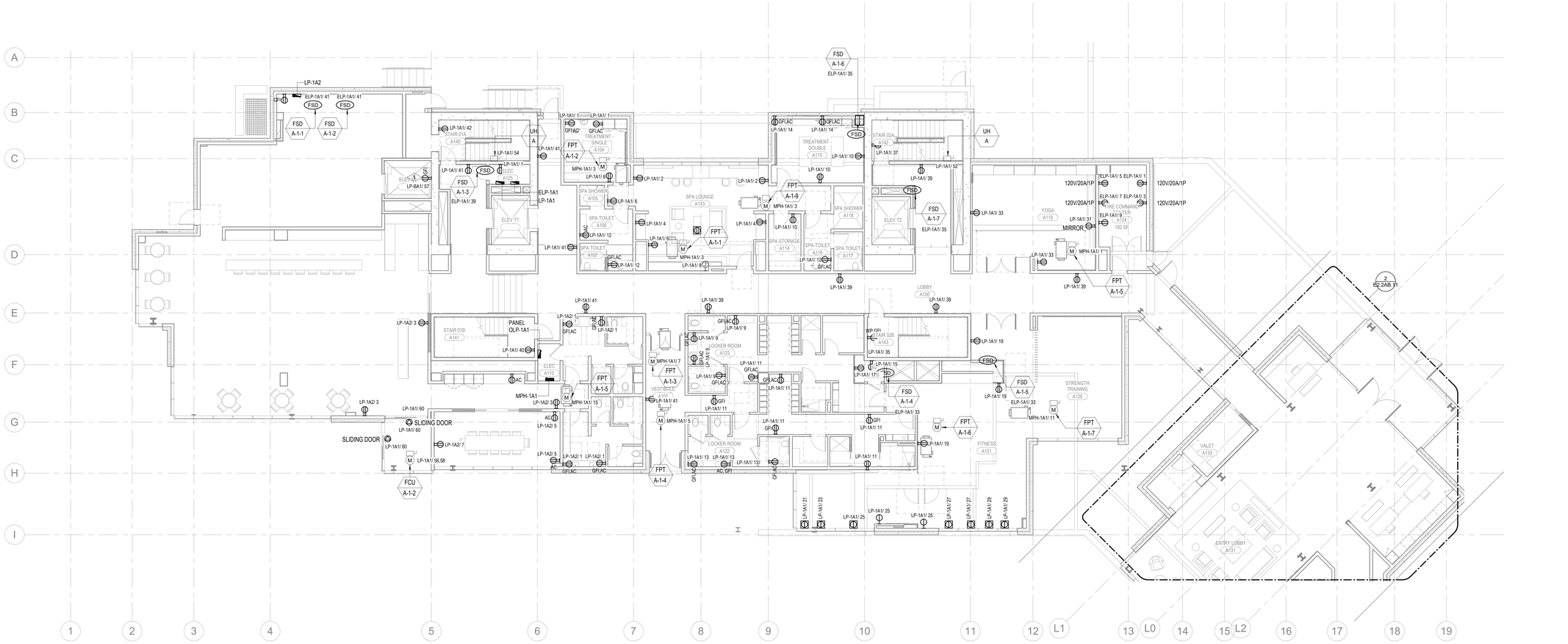
G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

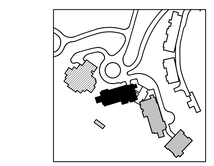
I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS AND ALL COMMON AREAS AS PER NEC 406.12.

NUMBERED NOTES:

1 DUPLEX RECEPTACLE TO BE INSTALLED AT THE TOP OF THE ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.



1 TOWER A - LEVEL 1 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



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TOWER A - LVL 1
ELECTRICAL POWER
PLAN

E2.2A.11

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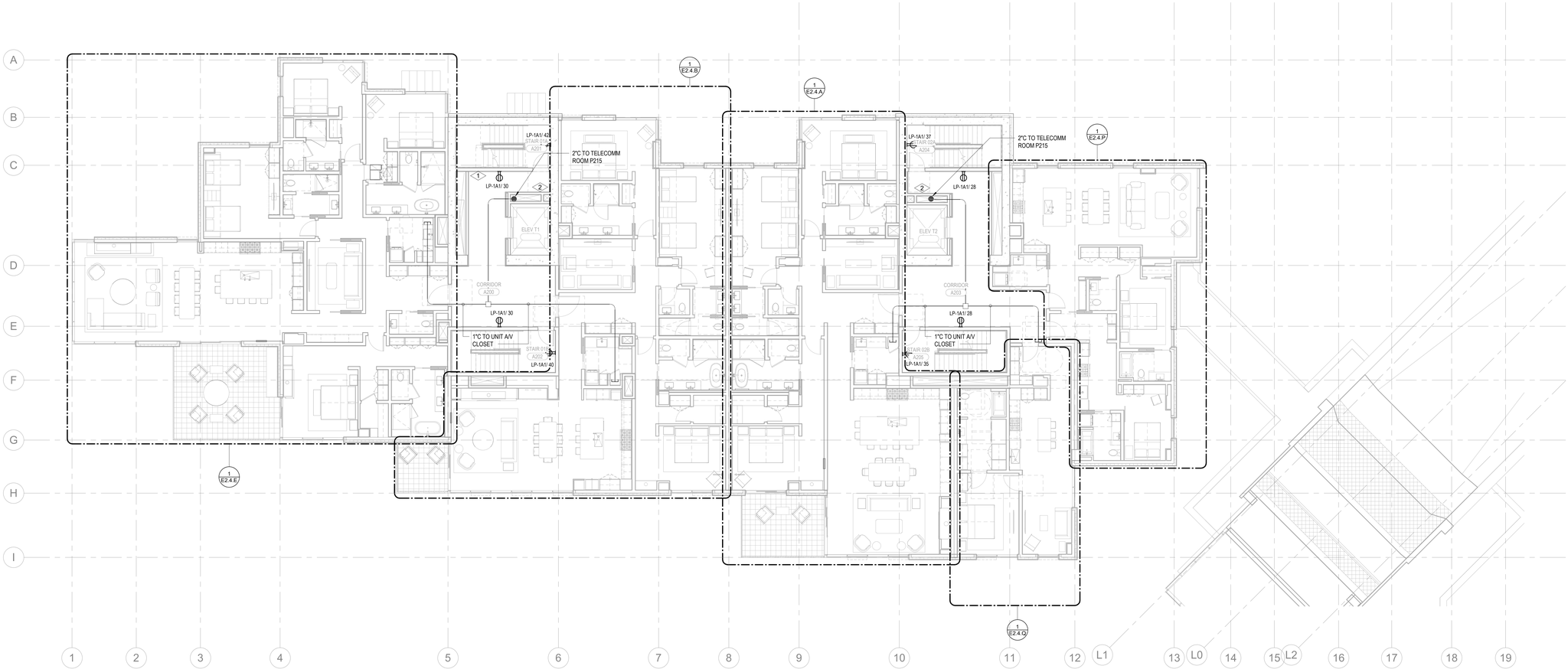
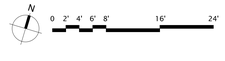


1 TOWER A - LEVEL 2 ELECTRICAL POWER

SCALE: 1/8" = 1'-0"



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TOWER A - LVL 2 ELECTRICAL POWER PLAN

E2.2A.12

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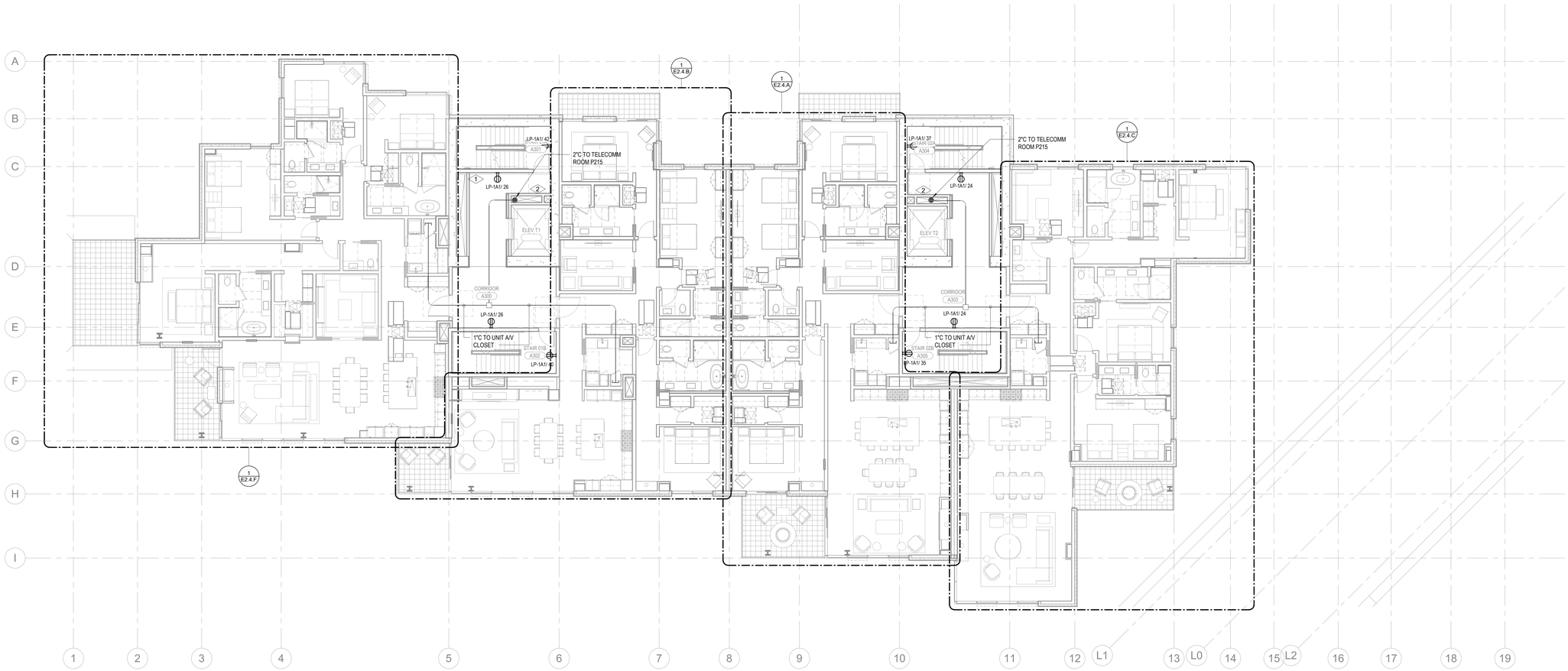

1 TOWER A - LEVEL 3 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"

N 0 2' 4' 6' 8' 16' 24'

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TOWER A - LVL 3 ELECTRICAL POWER PLAN

E2.2A.13

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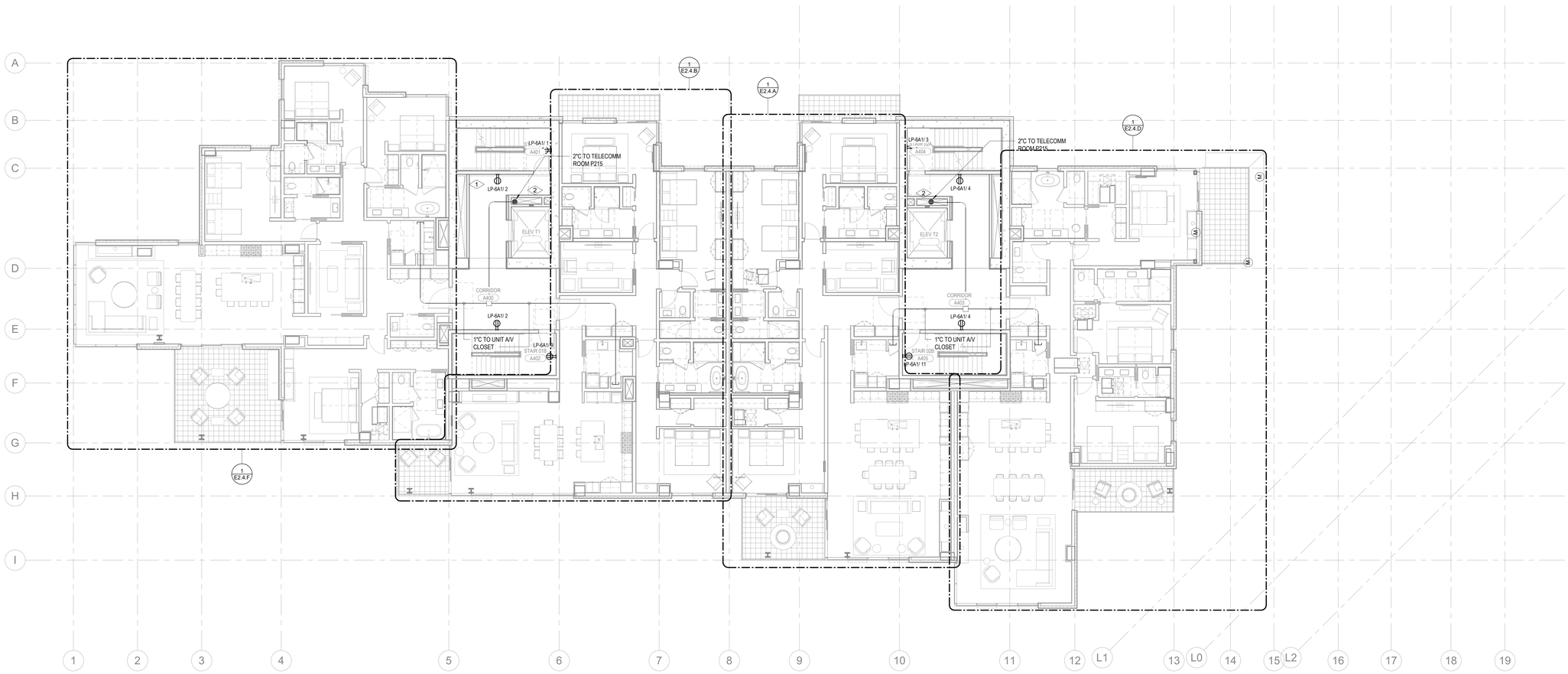
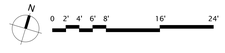


1 TOWER A - LEVEL 4 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



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TOWER A - LVL 4 ELECTRICAL POWER PLAN

E2.2A.14

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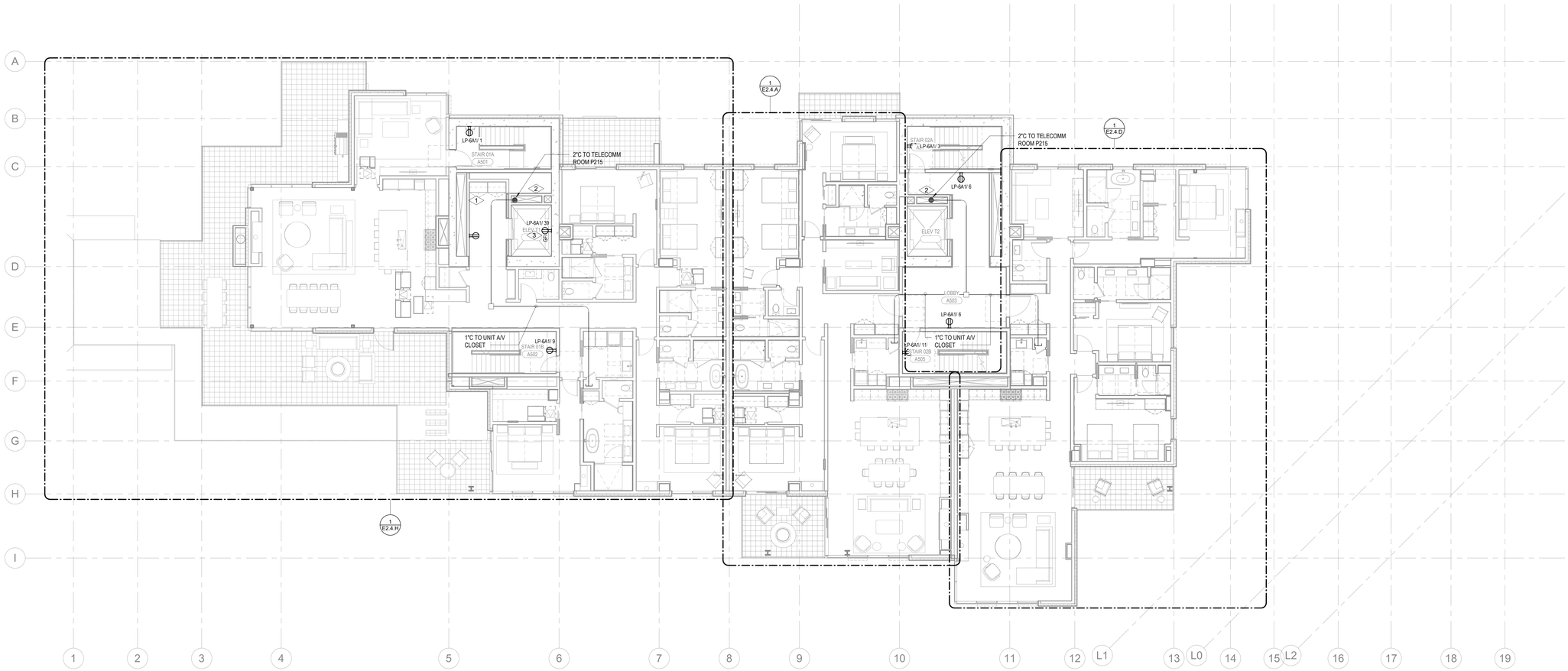
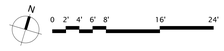


1 TOWER A - LEVEL 5 ELECTRICAL POWER

SCALE: 1/8" = 1'-0"



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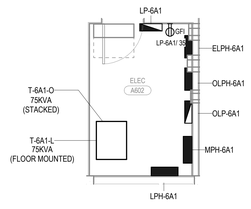
TOWER A - LVL 5 ELECTRICAL POWER PLAN

E2.2A.15



2 TOWER A - ELECTRICAL ROOM A602

SCALE: 1/4" = 1'-0"

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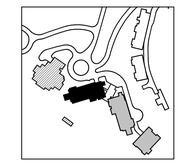
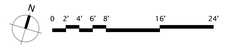
4 BRANCH CIRCUITS ORIGINATED FROM THE DISTRIBUTION EQUIPMENT LOCATED IN THIS ELECTRICAL ROOM, SERVING THE WEST SIDE OF THE BUILDING, SHALL BE ROUTED ACROSS THE ROOF TO REACH THE ELECTRICAL SHAFT IN THE WEST CORE.

1 TOWER A - LEVEL 6 ELECTRICAL POWER

SCALE: 1/8" = 1'-0"





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TOWER A - LVL 6
ELECTRICAL POWER
PLAN

E2.2A.16

SHEET NOTES:

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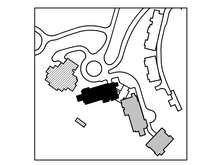
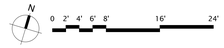
I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS AND ALL COMMON AREAS AS PER NEC 406.12.

NUMBERED NOTES:

1 TOWER A - ROOF ELECTRICAL POWER
SCALE: 1/8" = 1'-0"





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TOWER A - ROOF ELECTRICAL POWER PLAN

E2.2A.R

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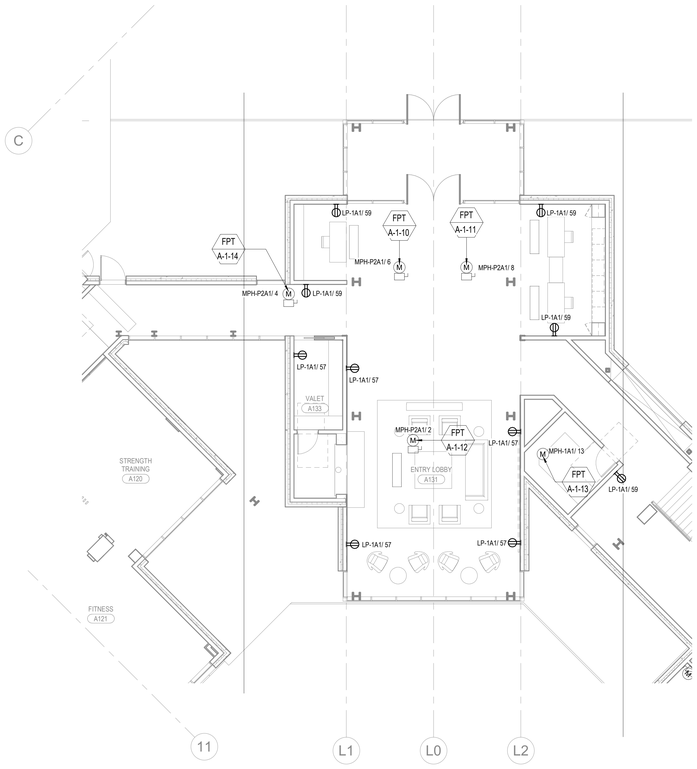
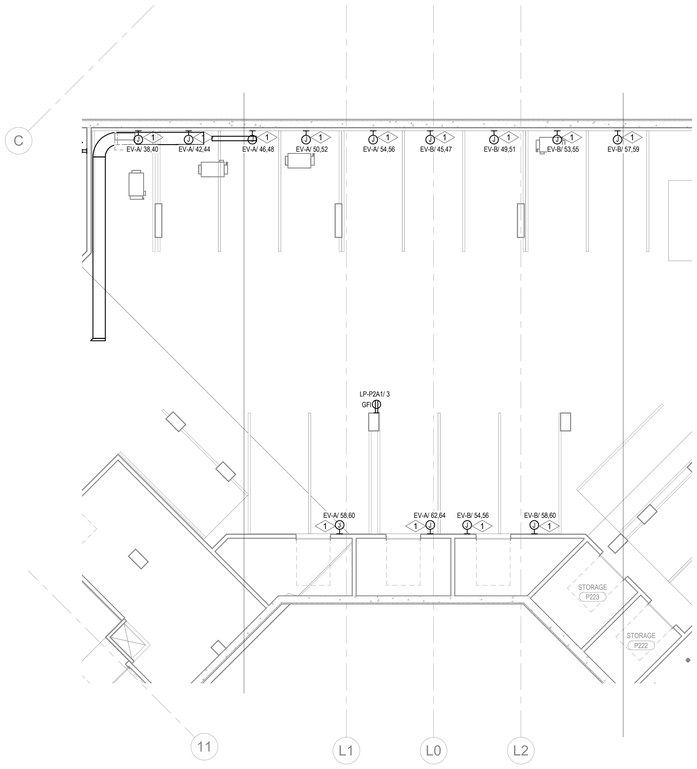
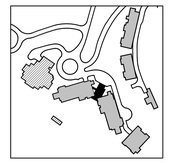
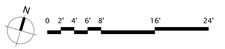


2 TOWER A/B - LEVEL 1 LOBBY ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



1 TOWER A/B - PARKING LEVEL 2 LOBBY ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"





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drawn by _____
_____
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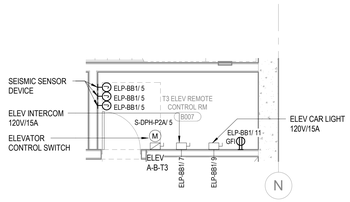
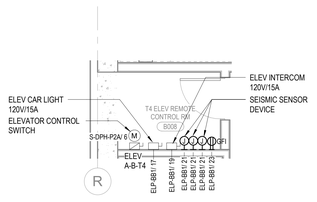
ELECTRICAL POWER PLANS TOWER AB LOBBY

E2.2AB.11



2 TOWER B - T3 ELEVATOR REMOTE CONTROL ROOM
SCALE: 1/4" = 1'-0"



3 TOWER B - T4 ELEVATOR REMOTE CONTROL ROOM
SCALE: 1/4" = 1'-0"

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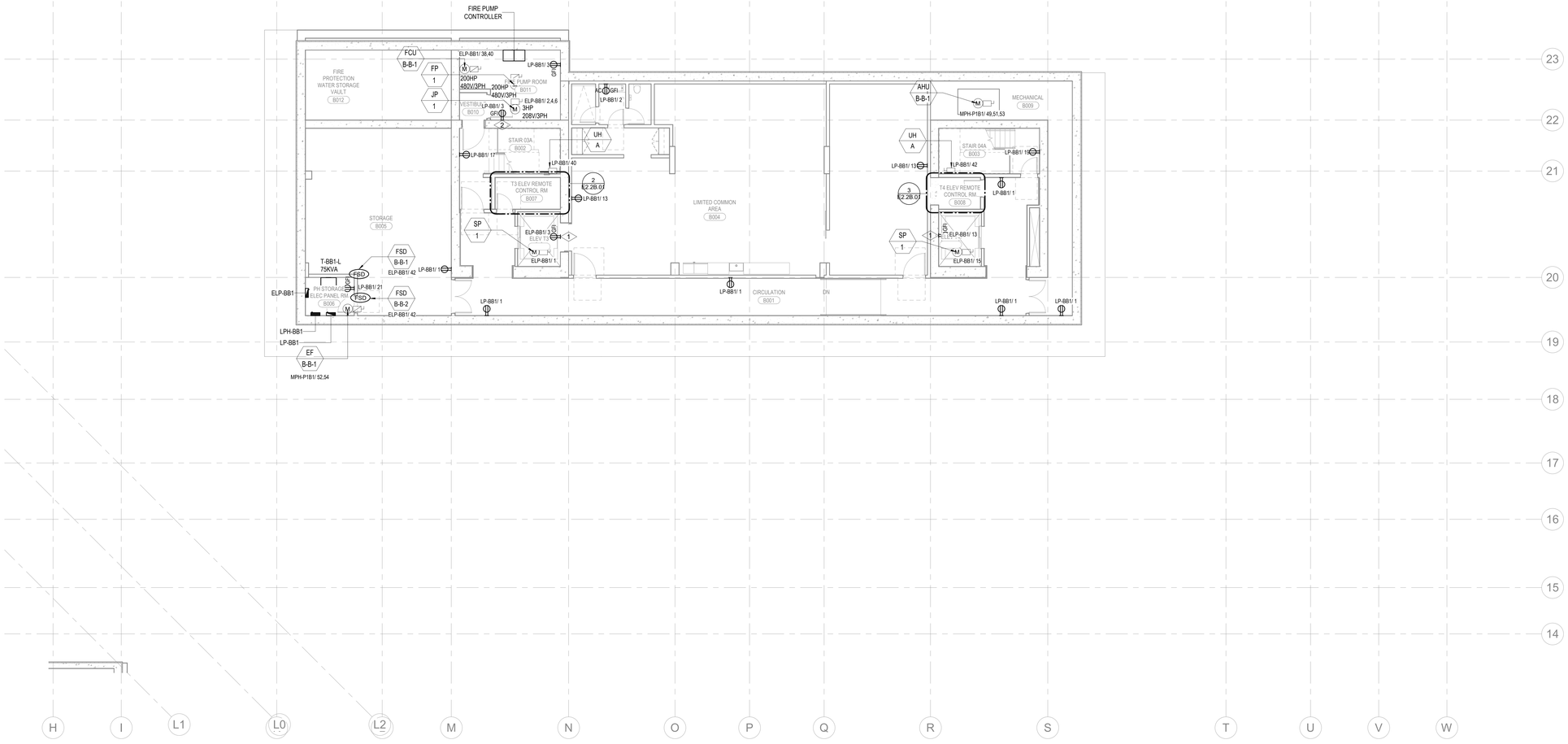
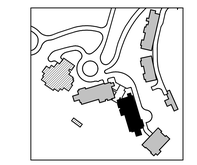
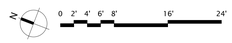
2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL 15A/1P 120VAC POWER CONNECTION TO WATER TANK MONITORING PANEL. COORDINATE EXACT LOCATION WITH FIRE SUPPRESSION CONTRACTOR.



1 TOWER B - LEVEL B1 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"





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TOWER B - LVL B ELECTRICAL POWER PLAN

E2.2B.01

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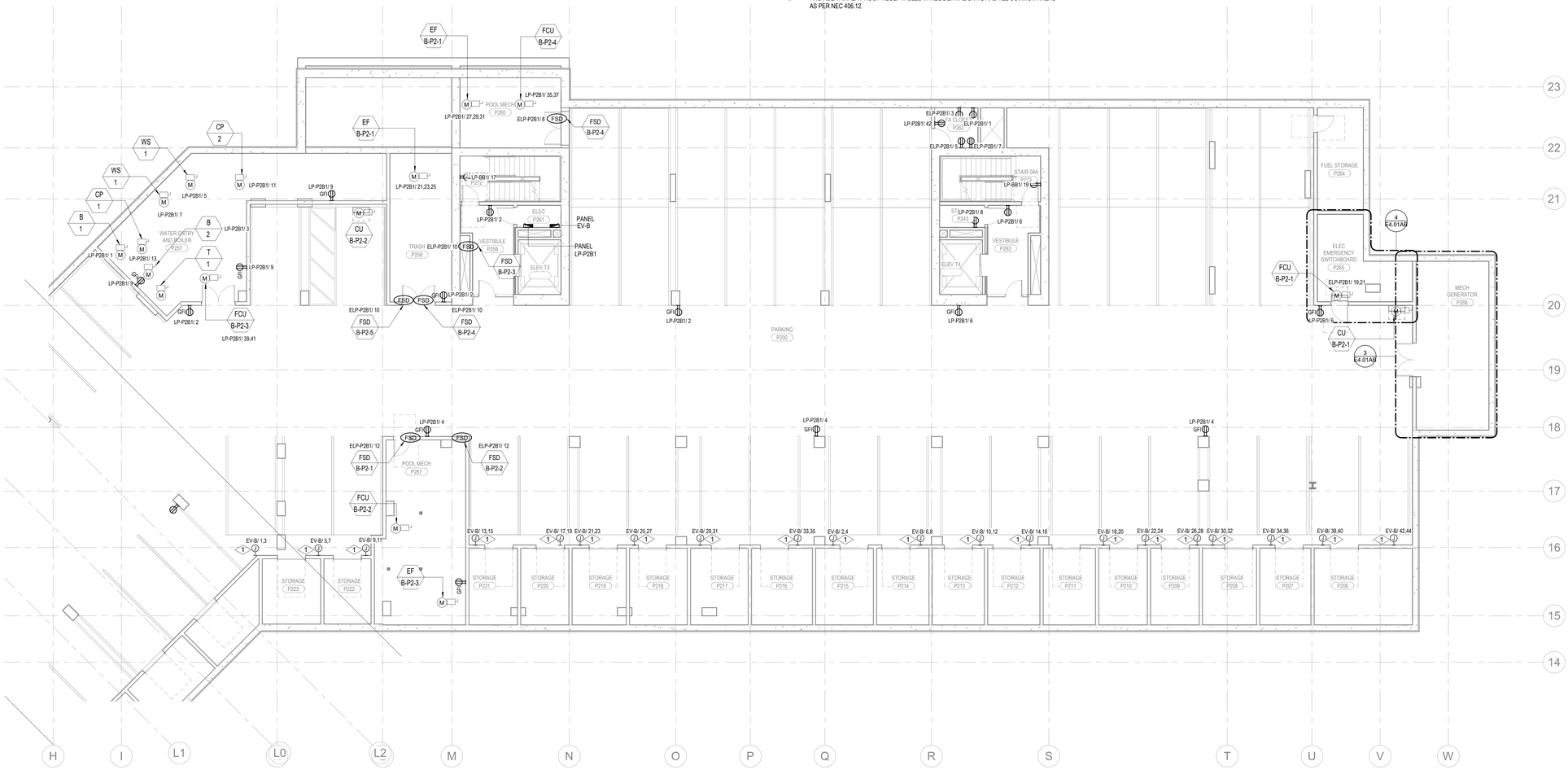
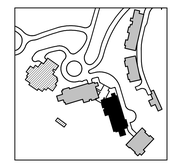


1 TOWER B - PARKING LEVEL 2 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



N 0 2' 4' 6' 8' 16' 24'

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TOWER B - LVL P2
ELECTRICAL POWER
PLAN

E2.2B.02

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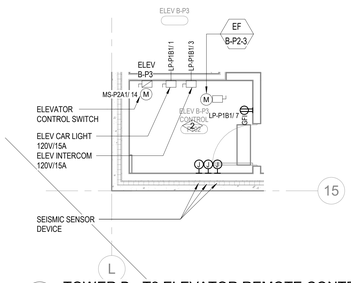
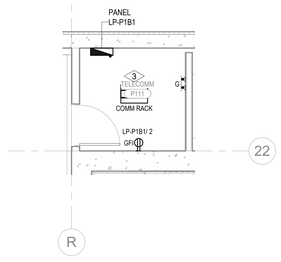
2 COORDINATE EQUIPMENT LAYOUT WITH ELEVATOR PROVIDER PRIOR TO ROUGH IN. PROVIDE ALL CODE-REQUIRED CLEARANCES AROUND EQUIPMENT.

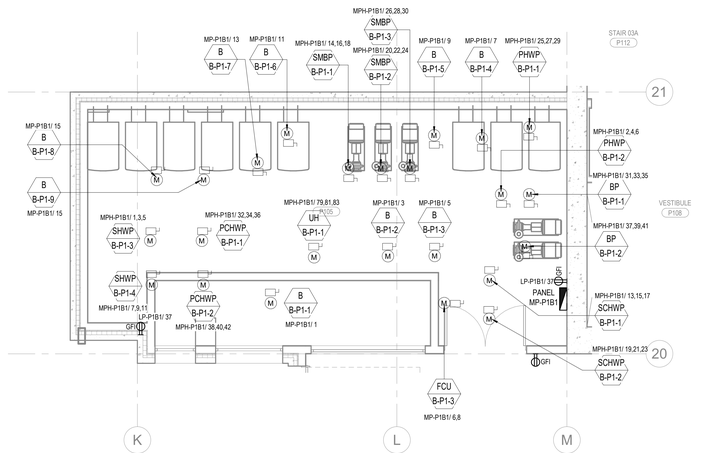
3 COMMUNICATIONS RACK IS TO BE SUPPLIED BY OTHERS AND INSTALLED BY ELECTRICAL CONTRACTORS AS PART OF THIS SCOPE OF WORK.



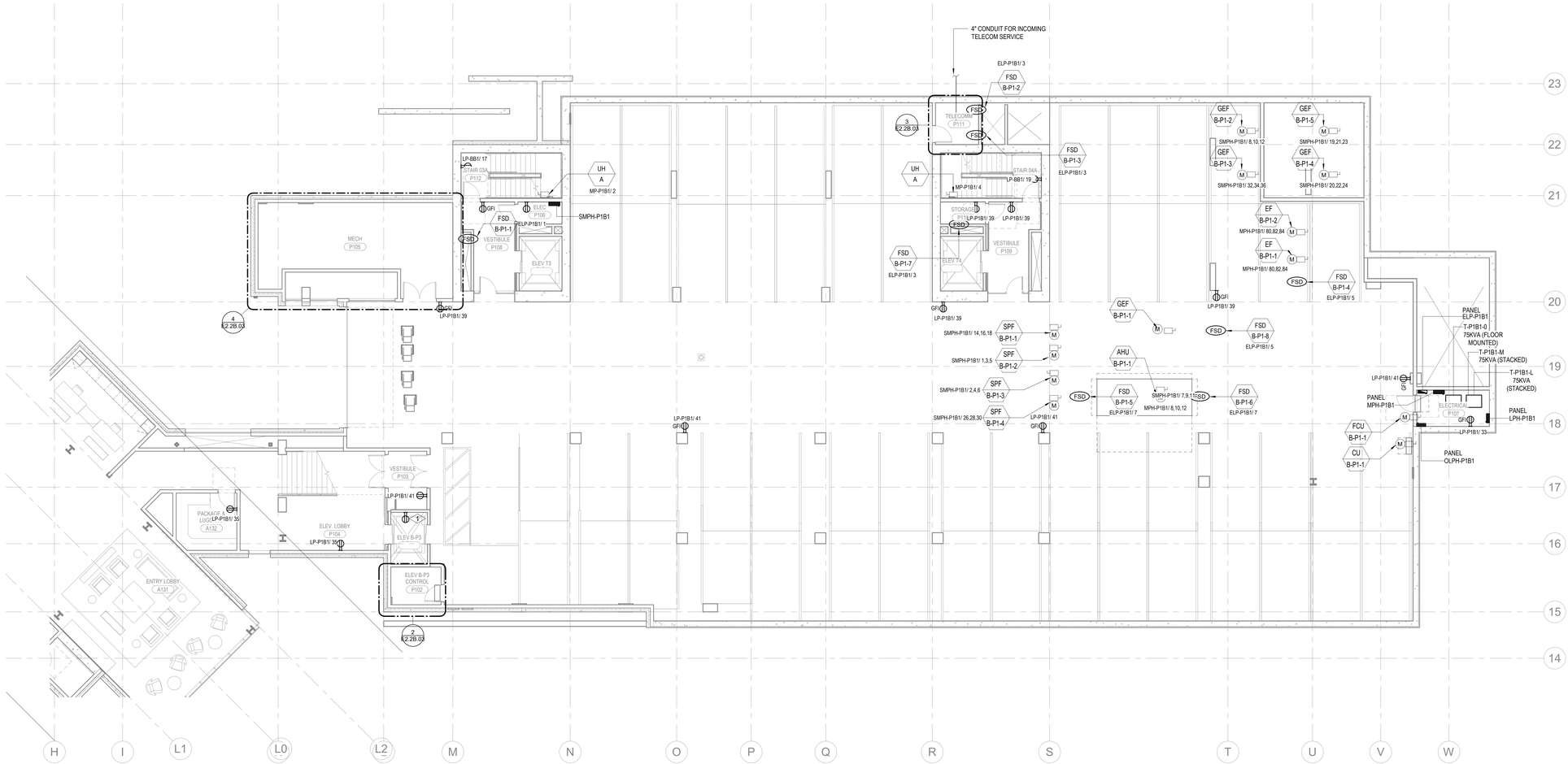
2 TOWER B - T2 ELEVATOR REMOTE CONTROL ROOM
SCALE: 1/4" = 1'-0"



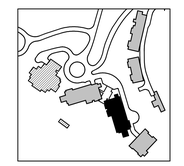
3 TELECOMM P111
SCALE: 1/4" = 1'-0"

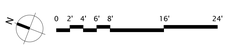


4 TOWER B - PARKING LEVEL 1 ELECTRICAL POWER - MECHANICAL ROOM
SCALE: 1/4" = 1'-0"



1 TOWER B - PARKING LEVEL 1 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"





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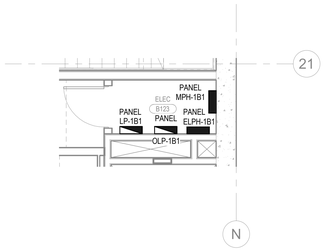
TOWER B - LVL P1
ELECTRICAL POWER
PLAN

E2.2B.03



2 TOWER B - LEVEL 1 ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"

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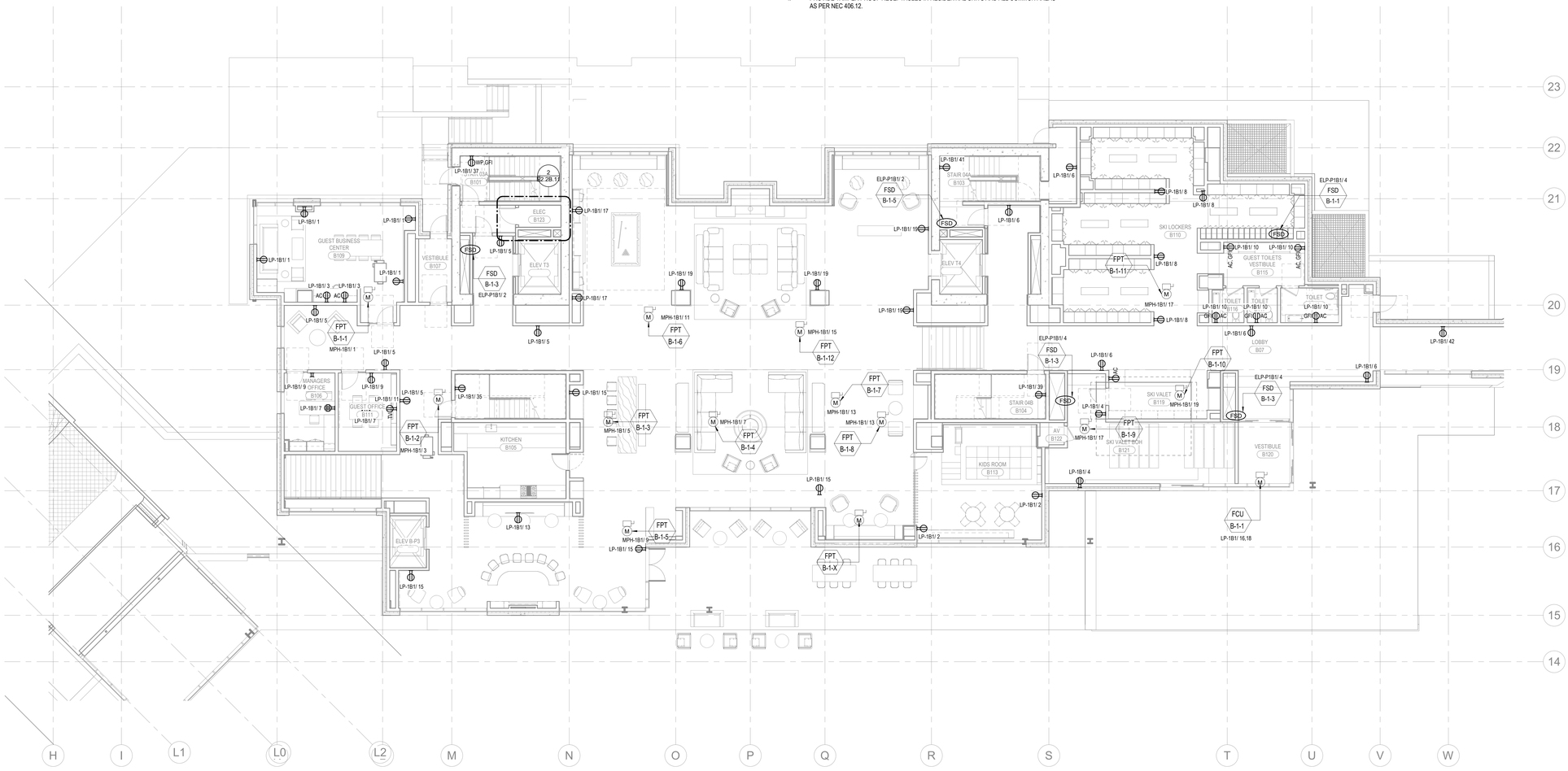
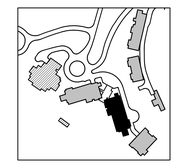
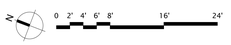
NUMBERED NOTES:



1 TOWER B - LEVEL 1 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"





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TOWER B - LVL 1 ELECTRICAL POWER PLAN

E2.2B.11

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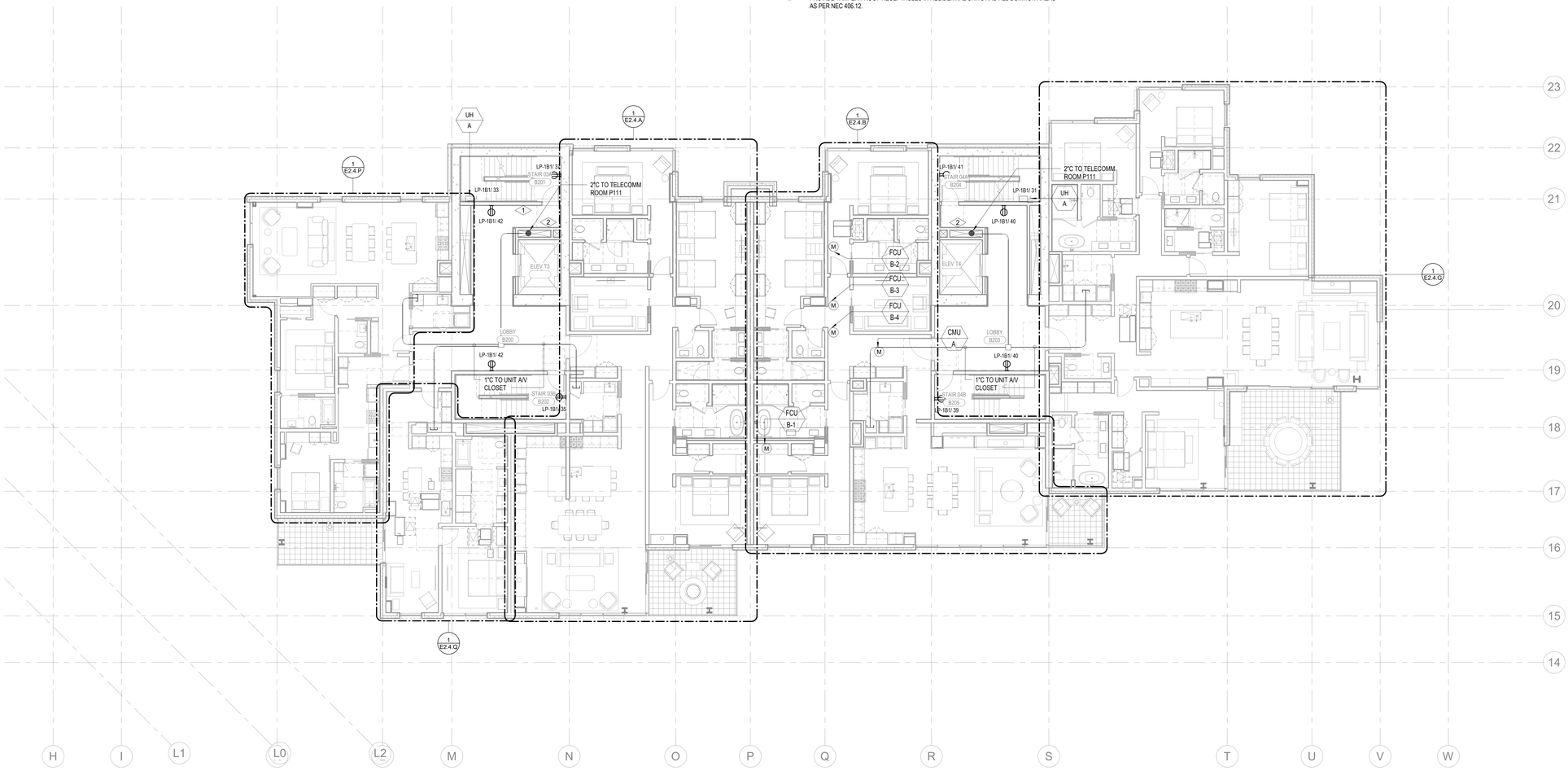
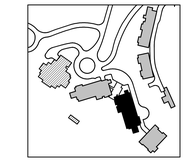
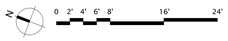


1 TOWER B - LEVEL 2 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"





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TOWER B - LVL 2 ELECTRICAL POWER PLAN

E2.2B.12

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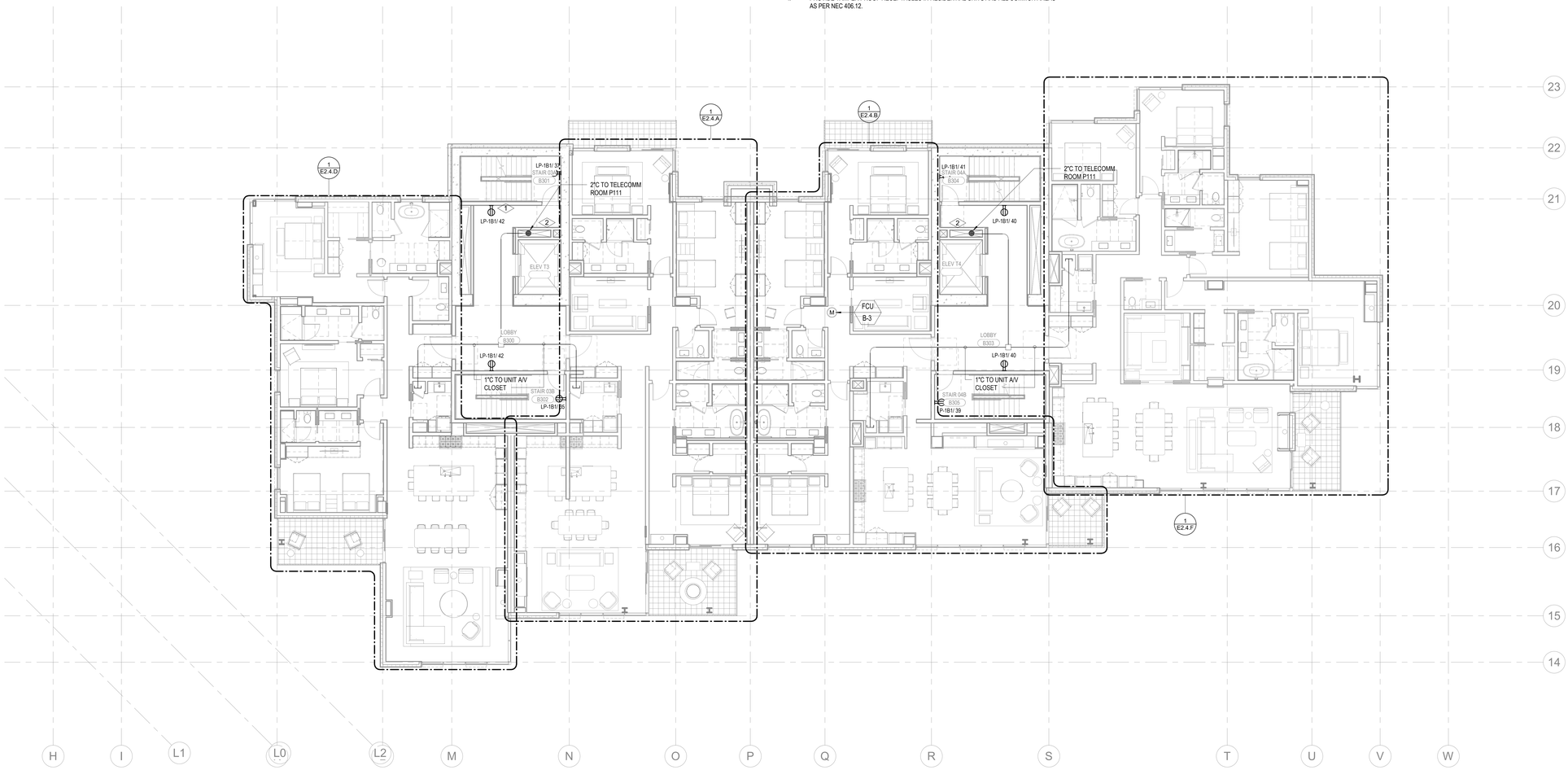
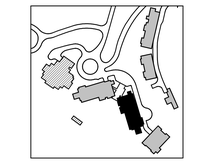


1 TOWER B - LEVEL 3 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



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TOWER B - LVL 3
ELECTRICAL POWER
PLAN

E2.2B.13

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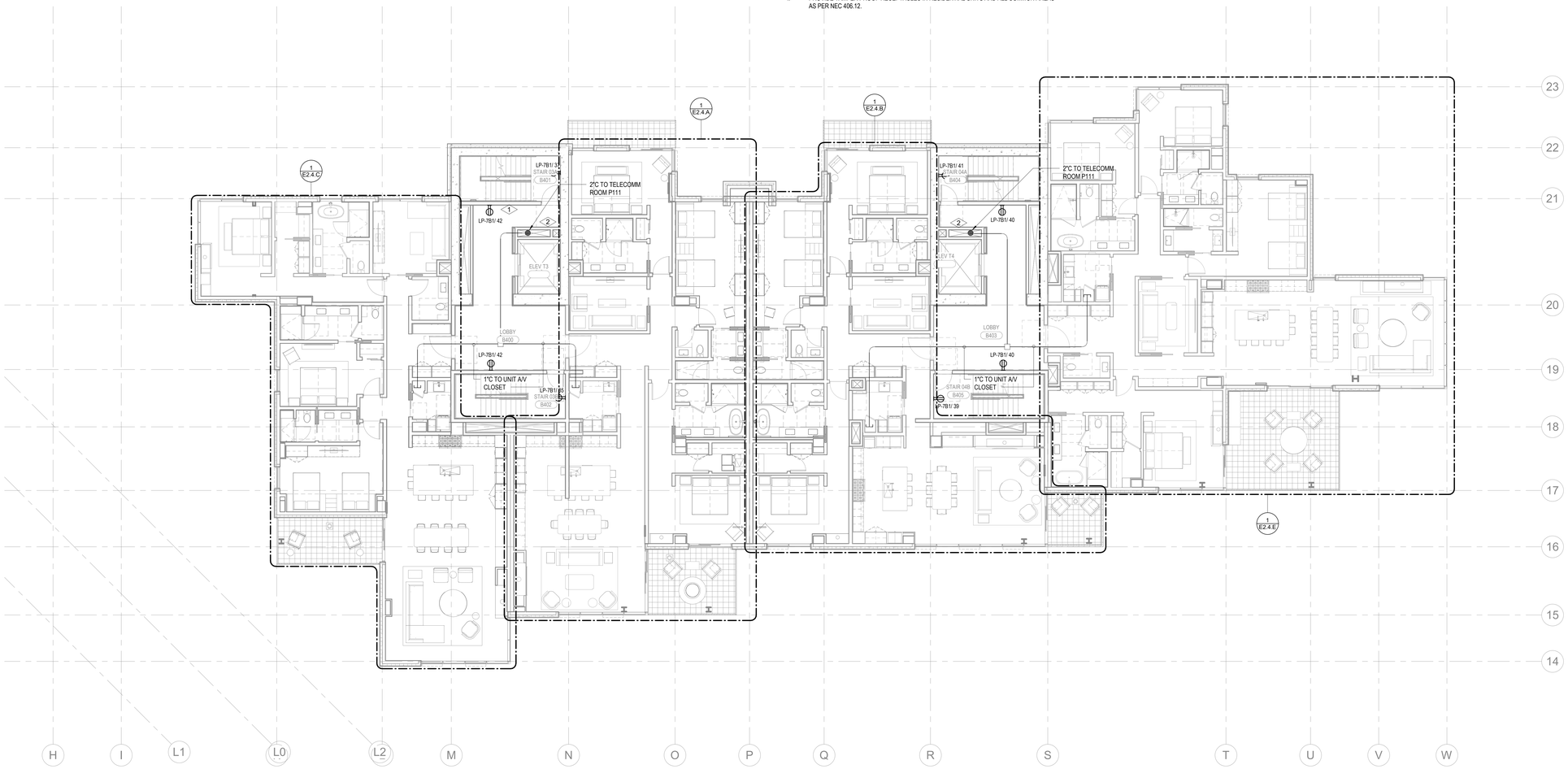
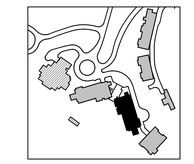


1 TOWER B - LEVEL 4 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



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TOWER B - LVL 4 ELECTRICAL POWER PLAN

E2.2B.14

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G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS AND ALL COMMON AREAS AS PER NEC 406.12.

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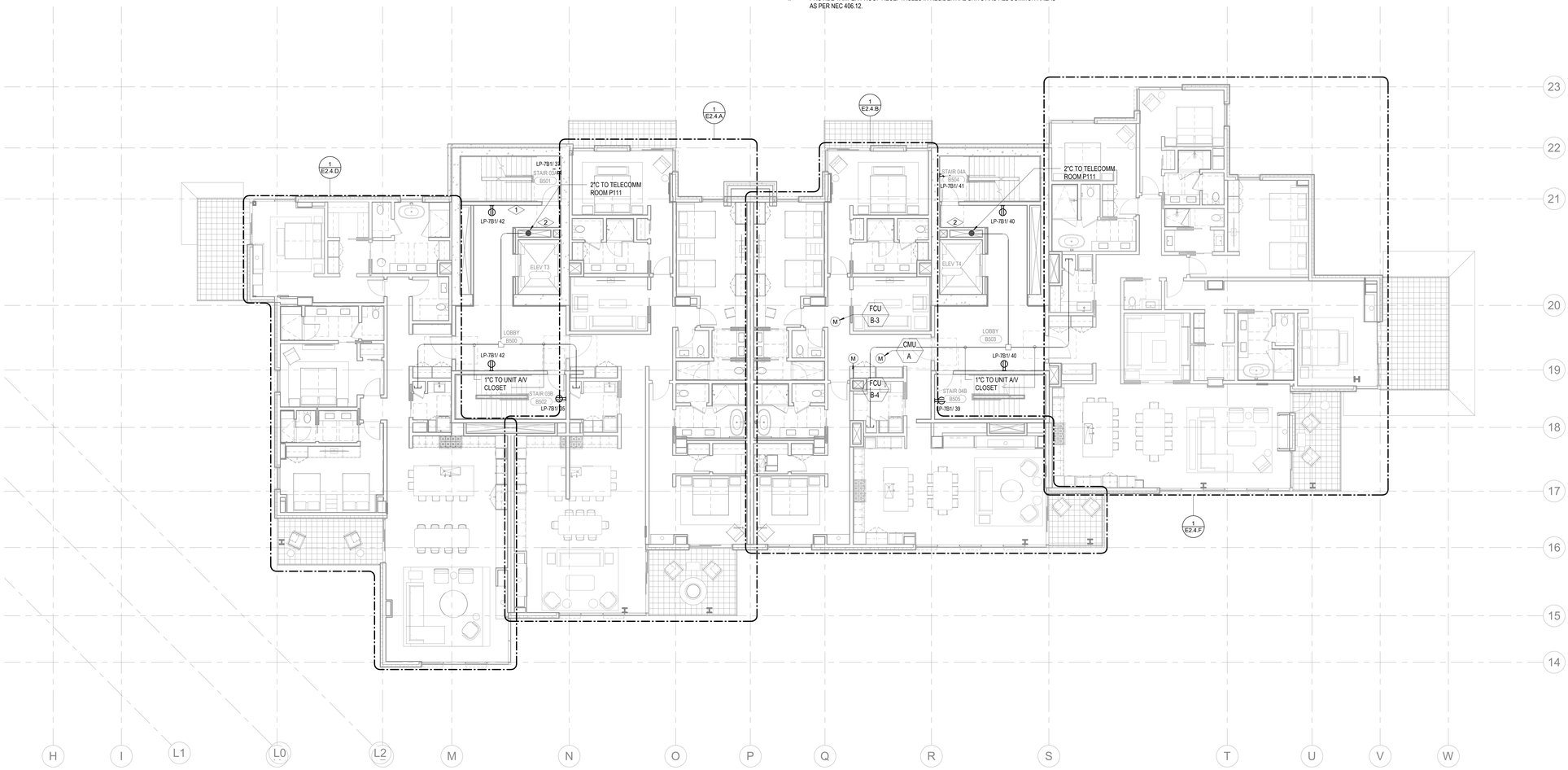
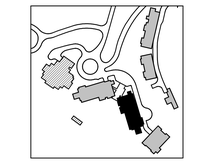
2 FEEDERS TO A DWELLING UNIT SHALL NOT ENTER AND BE ROUTED THOUGH ANOTHER DWELLING UNIT. ELECTRICAL CONTRACTOR TO UTILIZE THE ELECTRICAL SHAFTS LOCATED ON THE EAST CORE AND WEST CORE TO ROUTE FEEDERS TO THE DWELLING UNITS.



1 TOWER B - LEVEL 5 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



N 0 2' 4' 6' 8' 16' 24'

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date 07/15/2022

revisions:

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TOWER B - LVL 5 ELECTRICAL POWER PLAN

E2.2B.15

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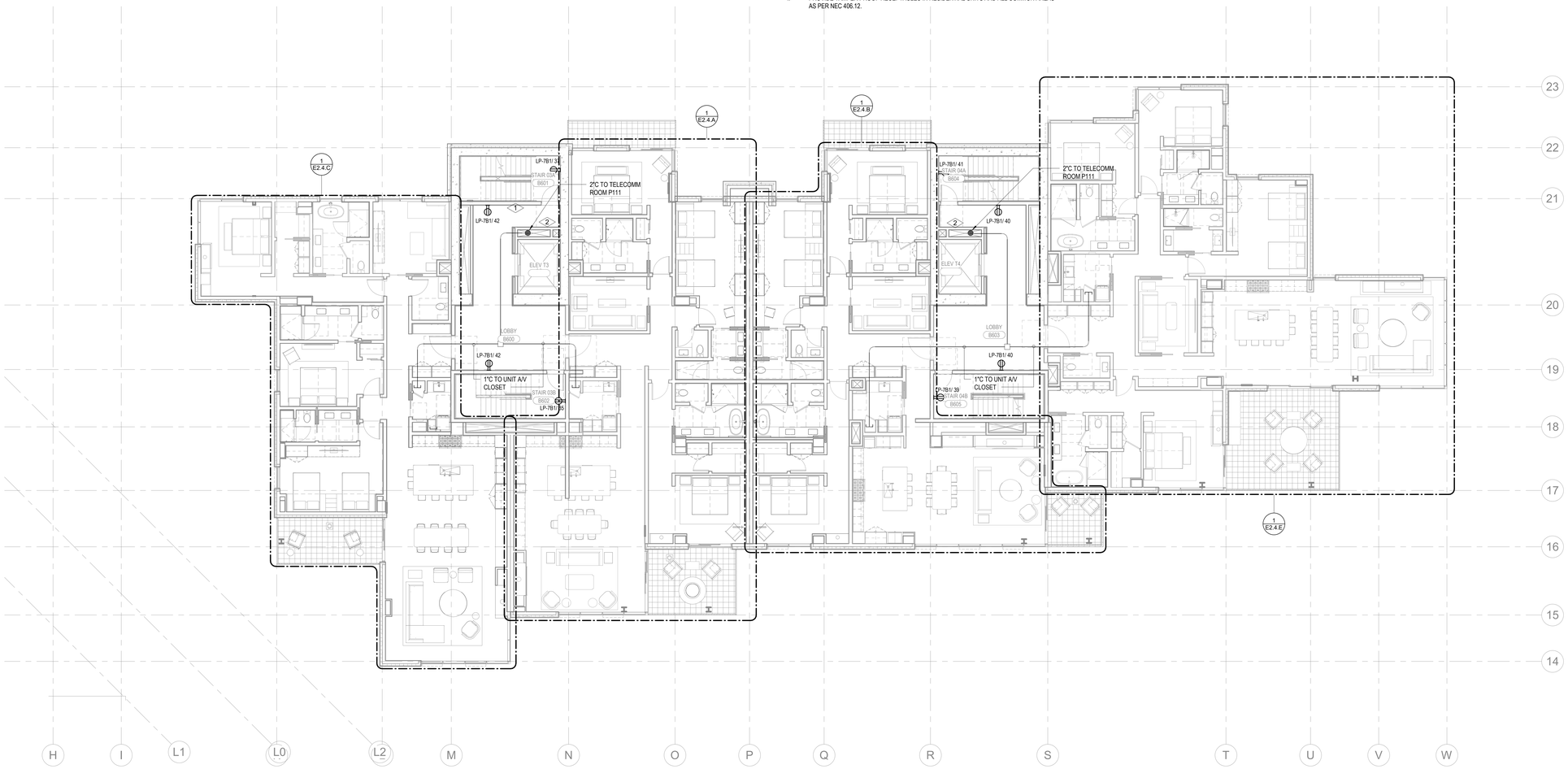
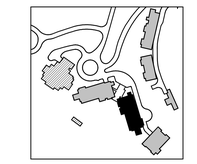


1 TOWER B - LEVEL 6 ELECTRICAL POWER
SCALE: 1/8" = 1'-0"



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TOWER B - LVL 6 ELECTRICAL POWER PLAN

E2.2B.16

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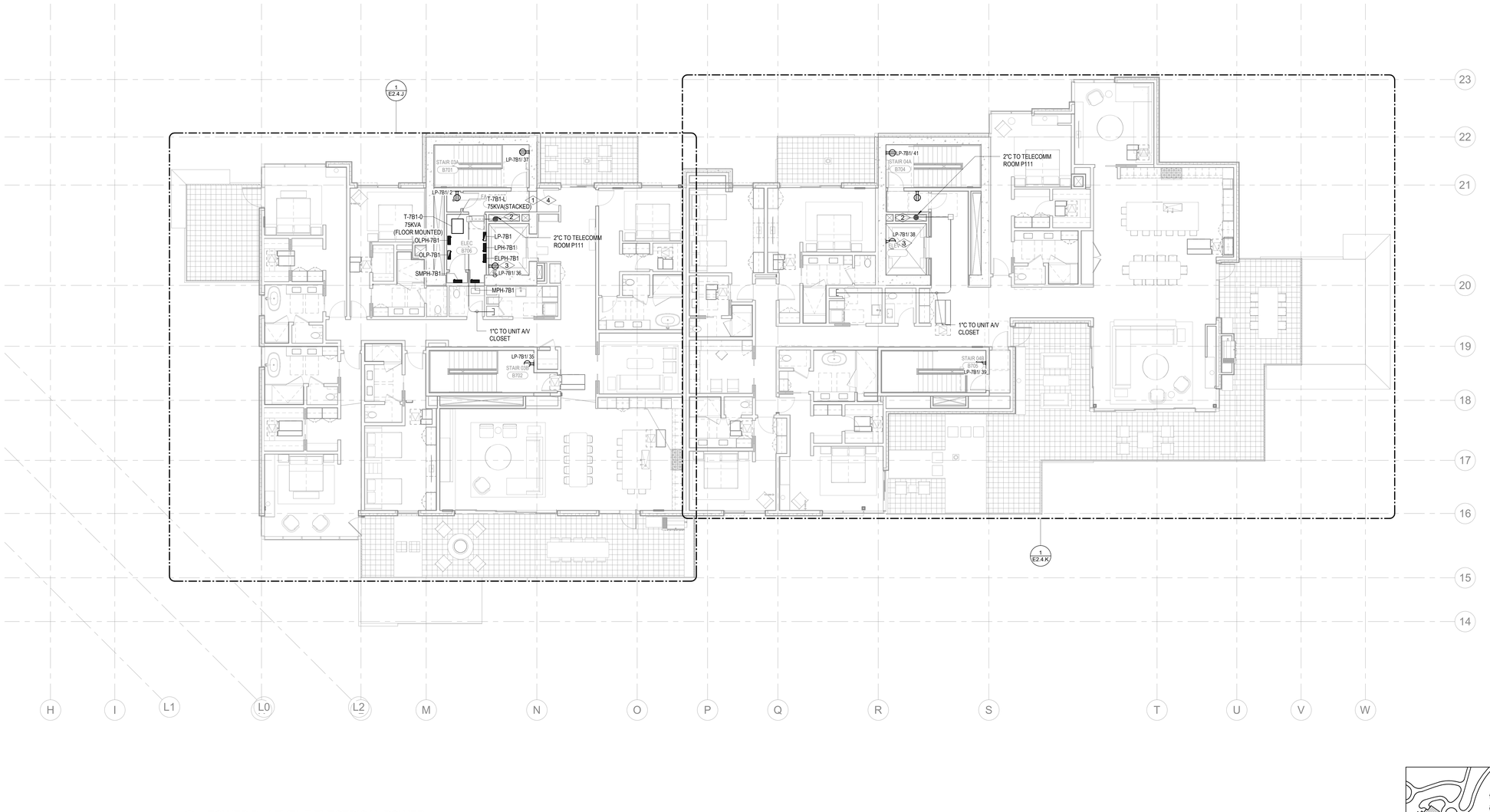
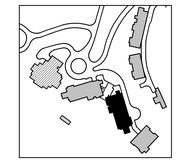
3 DUPLEX RECEPTACLE TO BE INSTALLED AT THE TOP OF THE ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.

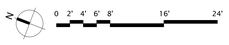
4 BRANCH CIRCUITS ORIGINATED FROM THE DISTRIBUTION EQUIPMENT LOCATED IN THIS ELECTRICAL ROOM, SERVING THE WEST SIDE OF THE BUILDING, SHALL BE ROUTED ACROSS THE ROOF TO REACH THE ELECTRICAL SHAFT IN THE WEST CORE.



1 TOWER B - LEVEL 7 ELECTRICAL POWER

SCALE: 1/8" = 1'-0"





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TOWER B - LVL 7 ELECTRICAL POWER PLAN

E2.2B.17

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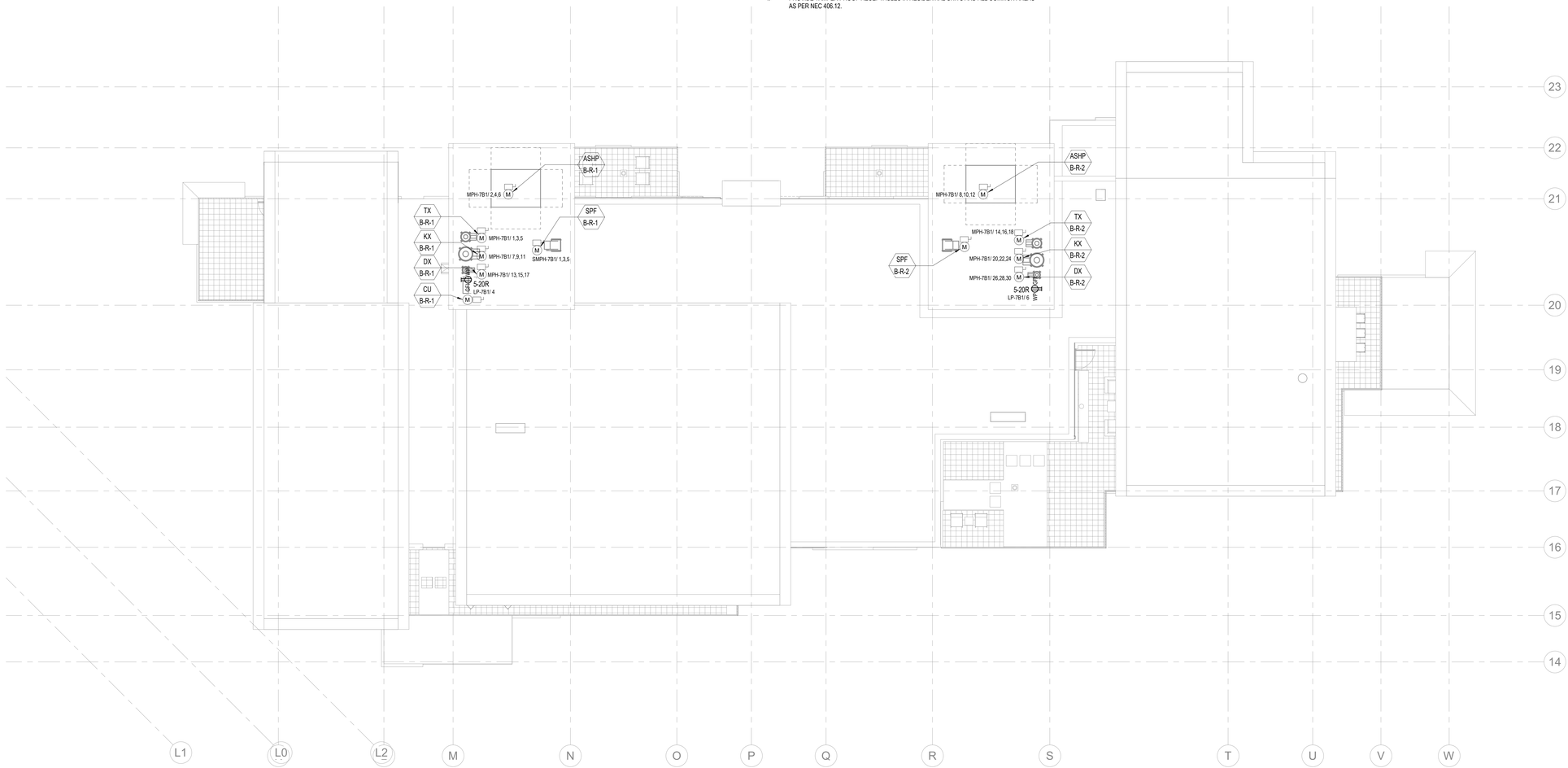
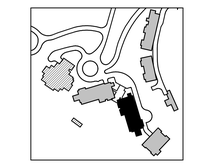
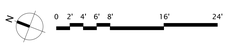


1 TOWER B - ROOF ELECTRICAL POWER
SCALE: 1/8" = 1'-0"





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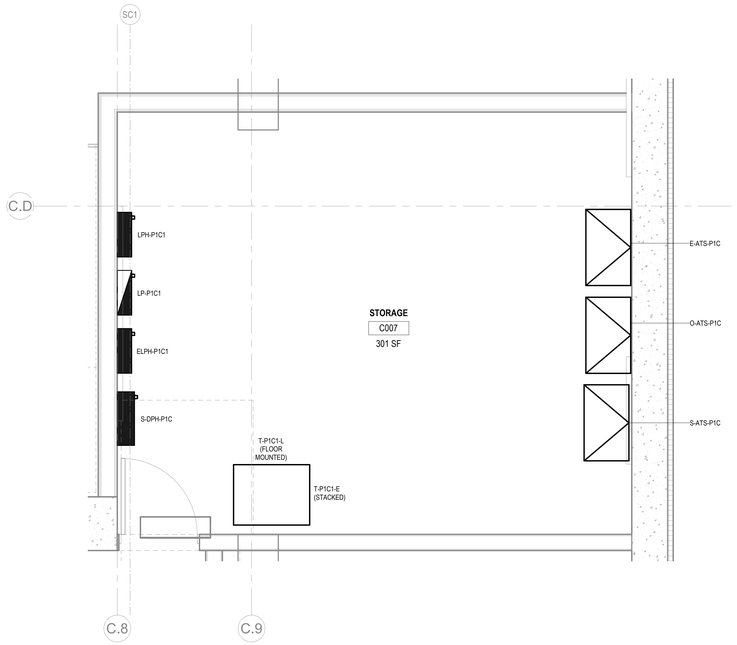
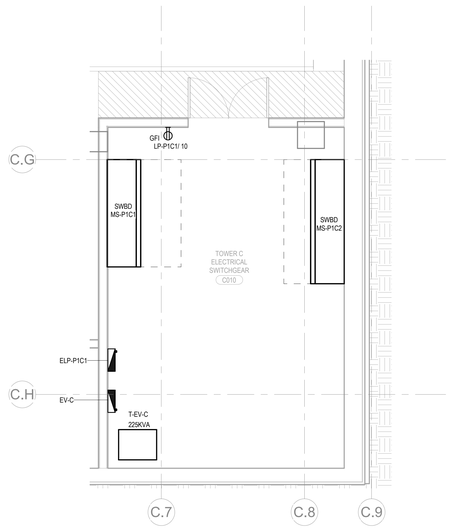
TOWER B - ROOF ELECTRICAL POWER PLAN

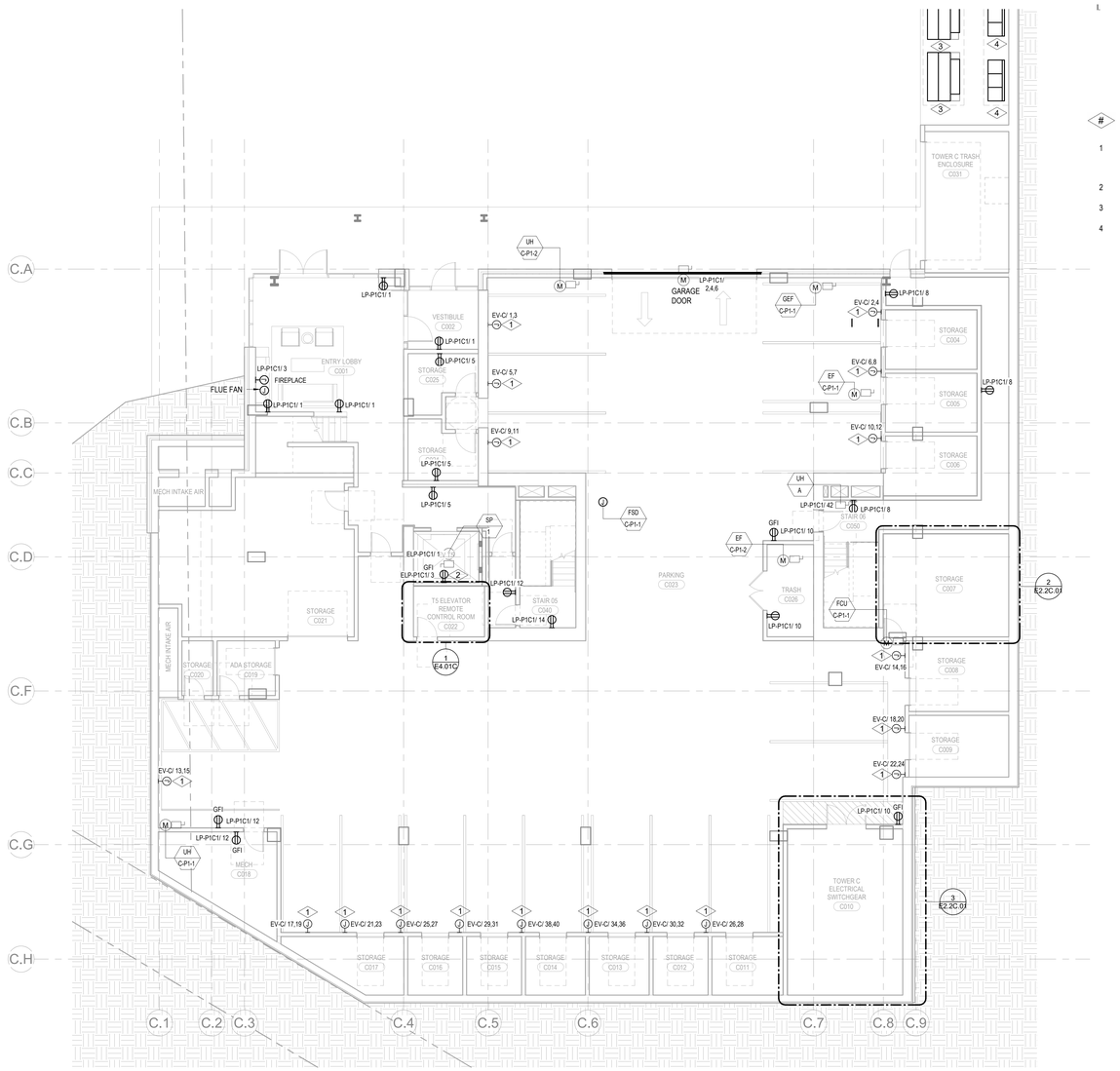
E2.2B.R



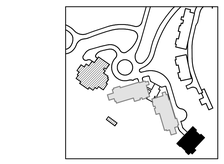
2 TOWER C - C ELEC SWITCHGEAR ROOM
SCALE: 1/2" = 1'-0"

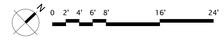


3 TOWER C - LEVEL P1 - ELECTRICAL ROOM C010
SCALE: 1/4" = 1'-0"



1 TOWER C - PARKING LEVEL ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"





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2 DUPLEX RECEPTACLE TO BE INSTALLED IN THE ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.
3 UTILITY TRANSFORMERS TO BE INSTALLED ON EQUIPMENT PAD AND PAD/VAULT PER ROCKY MOUNTAIN POWER'S ELECTRIC SERVICE REQUIRMENTS MANUAL.
4 OUTDOOR MAIN SERVICE DISCONNECTS TO BE INSTALLED ON EQUIPMENT PAD.

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principal architect
project manager
drawn by
checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

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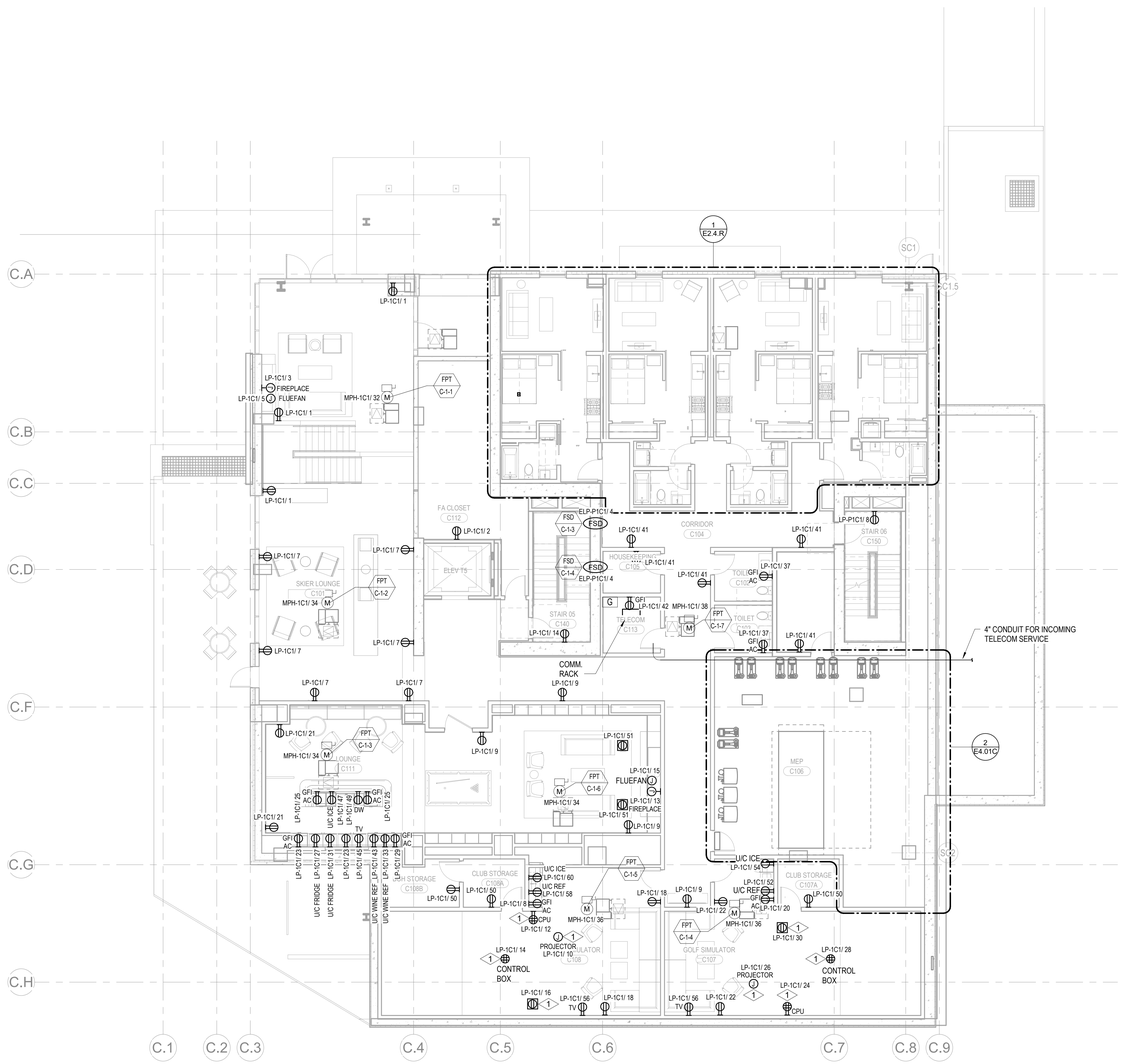
07/15/2022

TOWER C - LVL P1
ELECTRICAL POWER PLAN

E2.2C.01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C.7
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SC1
SC1.5
LP-1C1/ 1
LP-1C1/ 3
FIREPLACE
LP-1C1/ 5
FLUEFAN
MPH-1C1/ 32
FPT C-1-1
LP-1C1/ 1
FA CLOSET C112
LP-1C1/ 2
LP-1C1/ 7
SKIER LOUNGE C111
FPT C-1-2
MPH-1C1/ 34
ELEV 1/3
ELP-P1C1/ 4
FSD
C-1-3
C-1-4
LP-1C1/ 41
CORRIDOR C104
HOUSEKEEPING C105
STAIR 05 C108
LP-1C1/ 14
COMM. RACK
LP-1C1/ 9
LP-P1C1/ 8
STAIR 06 C150
TOILET C102
LP-1C1/ 37
GFI AC
LP-1C1/ 42
MPH-1C1/ 38
TELECOM C113
C-1-7
LP-1C1/ 41
4" CONDUIT FOR INCOMING TELECOM SERVICE
LP-1C1/ 21
FPT C-1-3
LOUNGE C111
MPH-1C1/ 34
LP-1C1/ 51
FPT C-1-6
FLUEFAN
LP-1C1/ 15
LP-1C1/ 13
FIREPLACE
LP-1C1/ 11
LP-1C1/ 9
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MEP C106
GFI AC
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LP-1C1/ 23
LP-1C1/ 11
LP-1C1/ 43
LP-1C1/ 45
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U/C WINE REF
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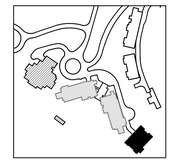
1 TOWER C - LEVEL 2 ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



N 0 2' 4' 6' 8' 16' 24'

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TOWER C - LVL 2 ELECTRICAL POWER PLAN

E2.2C.12

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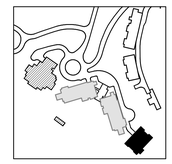
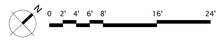
SCALE: 1/8" = 1'-0"





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TOWER C - LVL 3
ELECTRICAL POWER
PLAN

E2.2C.13

1 TOWER C - LEVEL 4 ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"

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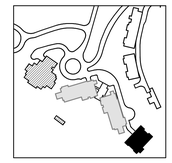

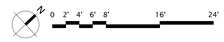

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TOWER C - LVL 4
ELECTRICAL POWER
PLAN

E2.2C.14

1 TOWER C - LEVEL 5 ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"

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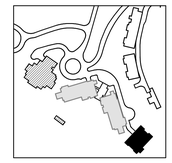

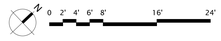

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TOWER C - LVL 5
ELECTRICAL POWER
PLAN

E2.2C.15

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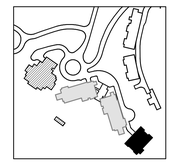

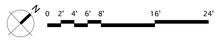

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date 07/15/2022

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TOWER C - LVL 6
ELECTRICAL POWER
PLAN

E2.2C.16

1 TOWER C - LEVEL 7 ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"

SHEET NOTES:

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C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

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F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS AND ALL COMMON AREAS AS PER NEC 406.12.

NUMBERED NOTES:

1 BRANCH CIRCUITS IN EACH DWELLING UNIT SHALL SUPPLY ONLY LOADS WITHIN THAT DWELLING UNIT OR LOADS ASSOCATED ONLY WITH THAT DWELLING UNIT.

2 FEEDERS TO A DWELLING UNIT SHALL NOT ENTER AND BE ROUTED THOUGH ANOTHER DWELLING UNIT.

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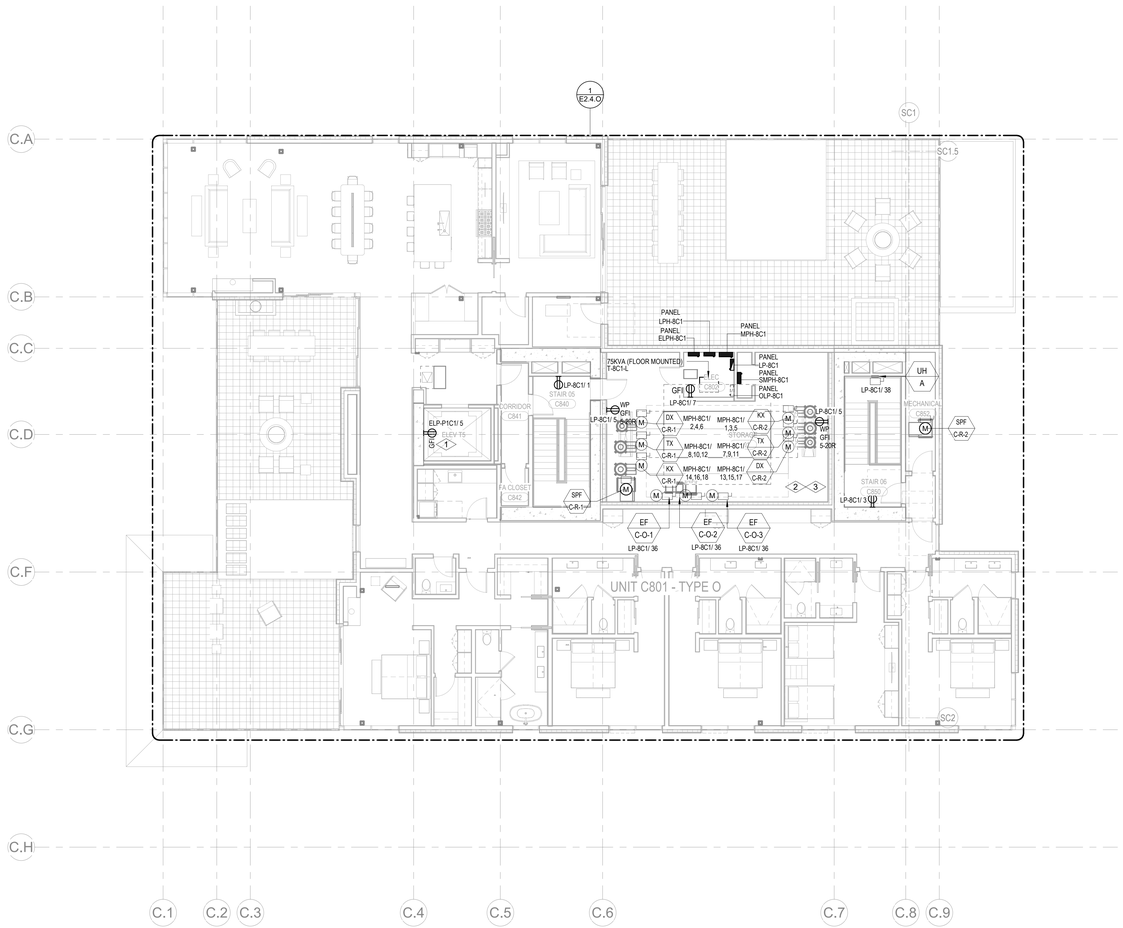
N 0 2' 4' 6' 8' 16' 24'

TOWER C - LVL 7 ELECTRICAL POWER PLAN

E2.2C.17



1 TOWER C - LEVEL 8 ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"

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I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS AND ALL COMMON AREAS AS PER NEC 406.12.

NUMBERED NOTES:

1 DUPLEX RECEPTACLE TO BE INSTALLED AT THE TOP OF THE ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.

2 BRANCH CIRCUITS IN EACH DWELLING UNIT SHALL SUPPLY ONLY LOADS WITHIN THAT DWELLING UNIT OR LOADS ASSOCATED ONLY WITH THAT DWELLING UNIT.

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TOWER C - LVL 8 ELECTRICAL POWER PLAN

E2.2C.18

N 0 2' 4' 6' 8' 16' 24'

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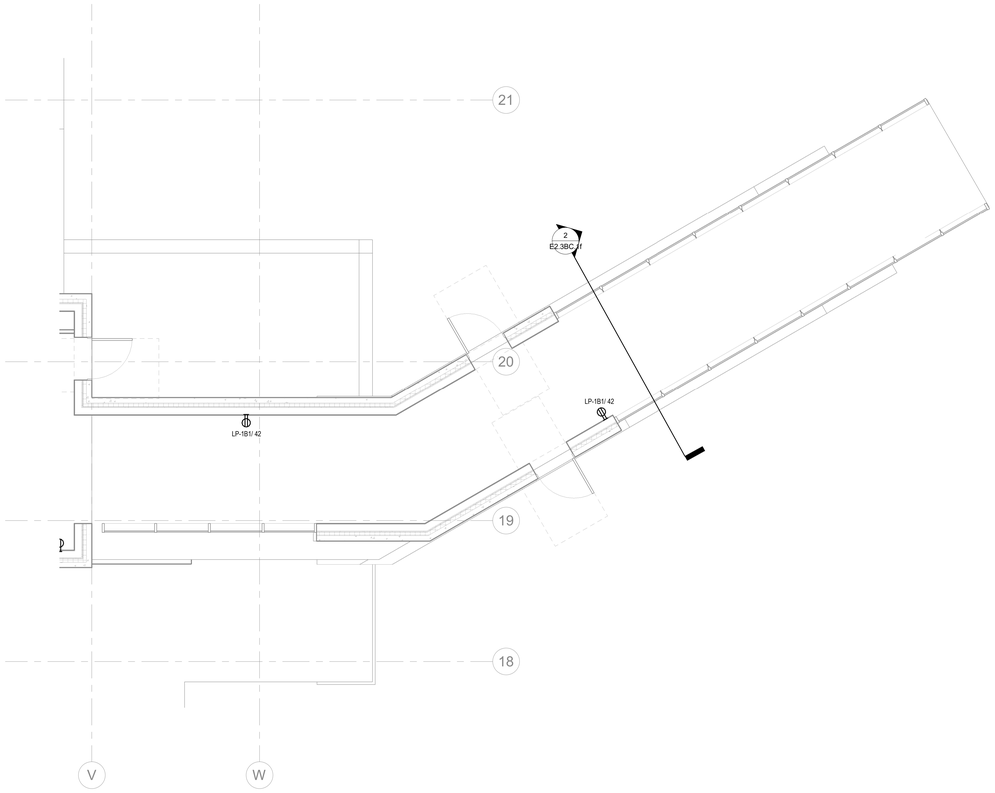
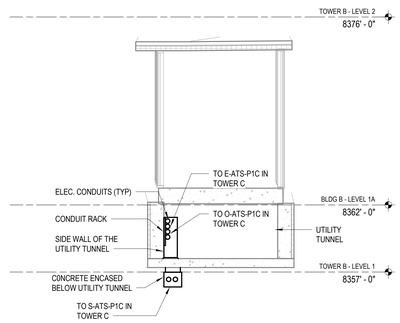


1 TOWER BC - LVL 1 CONNECTOR ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"



2 TOWER BC - CONNECTOR ELECTRICAL POWER SECTION
SCALE: 1/4" = 1'-0"

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TOWER BC CONNECTOR - LVL 1 ELECTRICAL POWER PLAN

E2.3BC.1f

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I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

Unit A 2,650 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	7,950	
	b.	Small appliances (2 ckt.)	2	3,000	
	c	Laundry circuit	1	1,500	
	Total			12,450	12,450
2	Fixed Appliances:			38,245	38,245
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	4	3,400	
	b.	BATHROOM EF	7	350	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	1	16,000	
	h.	MUA (Small)	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			19,750	19,750
Total Load:					**83,445**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	3,308
2	Fixed appliance at 100%	38,245
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	19,750
Total Load:		**77,303**
Total amp at 208V, 3 phase		**215**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	21,478
3	Air Conditioning at 100%	19,750
Total Load:		**51,228**
Total amp at 208V, 3 phase		**142**

2 UNIT LOAD CALCULATION - UNIT A

SCALE: NTS

UNIT PANEL (3 BR + DEN)

BUSSING: 200A, 10,000 AIC SYMMETRICAL
MAIN: 200A/3P MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	SPARE	
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)]	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)		PHASE A (VA)						PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
	***		***						***		***	

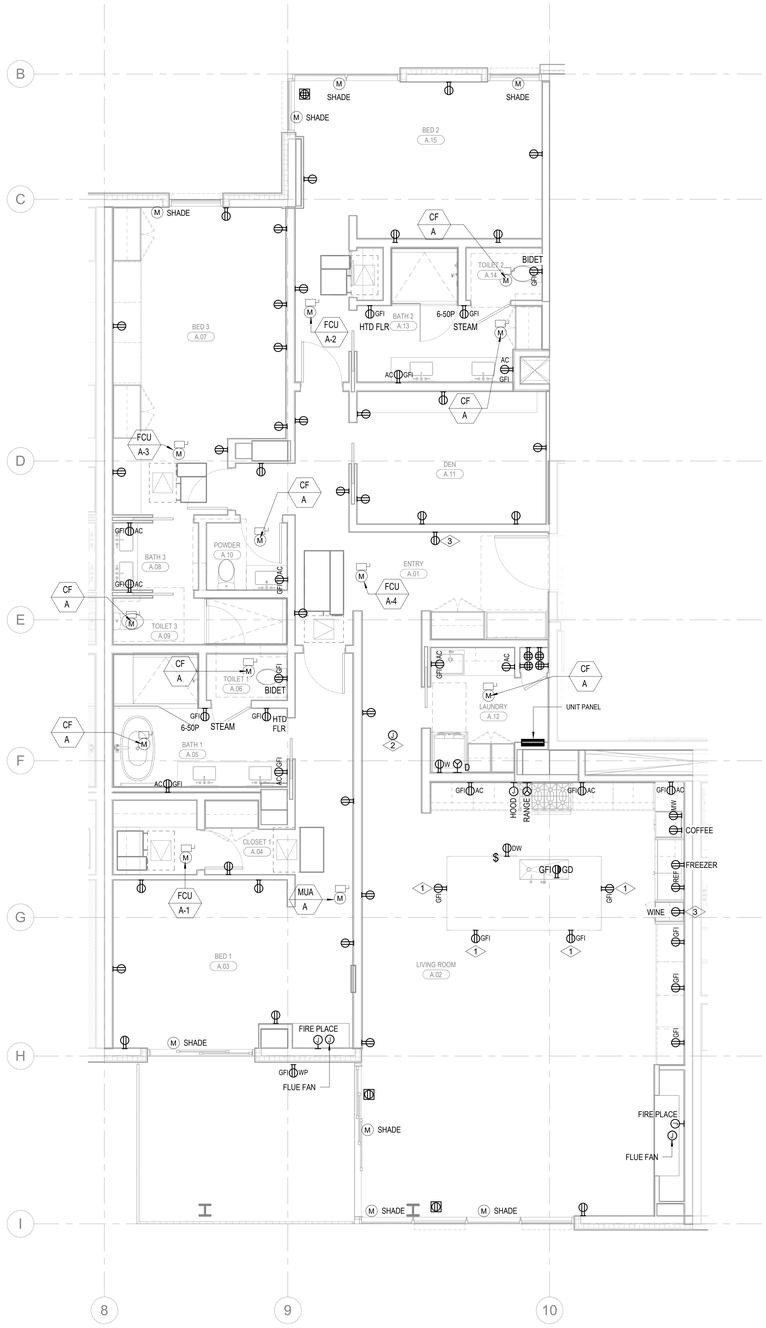
LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	2650 SF	3 VA/SF	7950 VA
SMALL APPLIANCE BRANCH CIRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	19750 VA	19750 VA
SUB-TOTAL			83445 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			51228 VA

CONNECTED LOAD SUMMARY
83445 VA
232 AMPS

NEC LOAD SUMMARY
51228 VA
142 AMPS

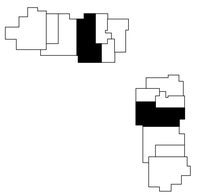
3 PANEL SCHEDULE - UNIT A

SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT A

SCALE: 1/4" = 1'-0"



0 1" 2' 3' 4' 8' 12'

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project manager
drawn by
checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

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TOWER A/B ELECTRICAL POWER PLAN - UNIT A

E2.4.A

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.
B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.
C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.
D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.
E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.
F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.
G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.
H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.
I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.
2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.
3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

Unit B 2,555 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	7,665	
	b.	Small appliances (2 ckt.)	2	3,000	
	c.	Laundry circuit	1	1,500	
	Total			12,165	12,165
2	Fixed Appliances:			38,245	38,245
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	4	3,400	
	b.	BATHROOM EF	7	350	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	1	16,000	
	h.	MUA (Small)	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			19,750	19,750
Total Load:					**83,160**

Application of Demand Factor:

1	General Lighting:		
	a.	3000VA at 100%	3,000
	b.	Remaining load at 35%	3,208
2	Fixed appliance at 100%		38,245
3	Electric cooking (NEC Table 220-55)		8,000
4	Clothes Dryer (NEC Table 220-54)		5,000
5	HVAC at 100%		19,750
Total Load:			**77,203**
Total amp at 208V, 3 phase			**214**

Application of Demand Factor: (NEC 220-82)

1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	21,364
3	Air Conditioning at 100%	19,750
Total Load:		**51,114**
Total amp at 208V, 3 phase		**142**

2 UNIT LOAD CALCULATION - UNIT B
SCALE: NTS

UNIT PANEL (3 BR + DEN)

BUSSING: 200A, 10,000 AIC SYMMETRICAL
MAIN: 200A/SP MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	SPARE	
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)[	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)						PHASE B (VA)			TOTAL ALL PHASES (AMPS)	
	***	***						***			***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	2650 SF	3 VA/SF	7950 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	19750 VA	19750 VA
SUB-TOTAL			83445 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			51228 VA

CONNECTED LOAD SUMMARY
83445 VA
232 AMPS

NEC LOAD SUMMARY
51228 VA
142 AMPS

3 PANEL SCHEDULE - UNIT B
SCALE: NTS

1 TOWER A/B - ELECTRICAL PLAN - UNIT B
SCALE: 1/4" = 1'-0"

0 1" 2" 3" 4" 8" 12"

Reserved for permit stamp

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TOWER A/B ELECTRICAL POWER PLAN - UNIT B

E2.4.B

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I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

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2 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

Unit C			2,732 sq.ft.		
Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	8,196	
	b.	Small appliances (2 ckt.)	2	3,000	
	c.	Laundry circuit	1	1,500	
	Total			12,696	12,696
2	Fixed Appliances:			25,045	25,045
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	5	4,250	
	b.	BATHROOM EF	7	350	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	1	16,000	
	h.	MUA (Small)	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			20,600	20,600
Total Load:					**71,341**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	3,394
2	Fixed appliance at 100%	25,045
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	20,600
Total Load:		**65,039**
Total amp at 208V, 3 phase		**181**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	16,296
3	Air Conditioning at 100%	20,600
Total Load:		**46,896**
Total amp at 208V, 3 phase		**130**

2 UNIT LOAD CALCULATION - UNIT C

SCALE: NTS

BUSSING: 200A, 10,000 AIC SYMMETRICAL — MAIN: 200A/3P MCB

UNIT PANEL (3 BR + DEN)

LOCATION: LAUNDRY ROOM — MOUNTING: RECESSED

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	SPARE	
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)[	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
TOTAL ALL PHASES (VA)		PHASE A (VA):							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
***		***							***		***	

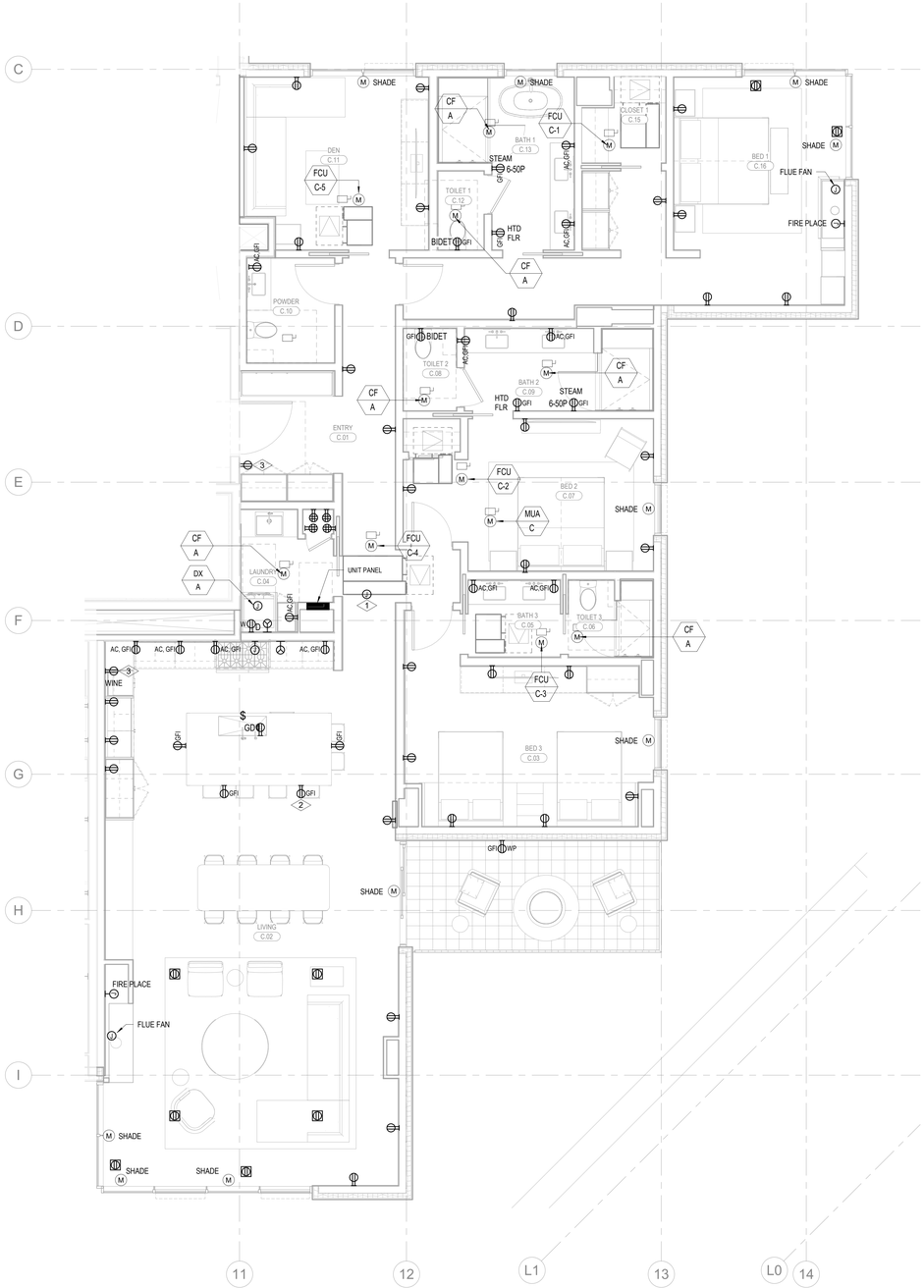
LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	2650 SF	3 VA/SF	7950 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	19750 VA	19750 VA
SUB-TOTAL			83445 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			51228 VA

CONNECTED LOAD SUMMARY
83445 VA
232 AMPS

NEC LOAD SUMMARY
51228 VA
142 AMPS

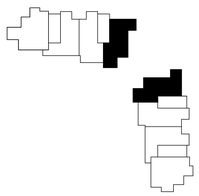
3 PANEL SCHEDULE - UNIT C

SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT C

SCALE: 1/4" = 1'-0"



Reserved for permit stamp

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TOWER A/B ELECTRICAL POWER PLAN - UNIT C

E2.4.C

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Unit D 2,546 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	7,638	
	b.	Small appliances (2 ckt.)	2	3,000	
	c	Laundry circuit	1	1,500	
	Total			12,138	12,138
2	Fixed Appliances:			38,245	38,245
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	4	3,400	
	b.	BATHROOM EF	7	350	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	1	16,000	
	h.	MUA (Small)	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			19,750	19,750
Total Load:					**83,133**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	3,198
2	Fixed appliance at 100%	38,245
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	19,750
Total Load:		**77,193**
Total amp at 208V, 3 phase		**214**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	21,353
3	Air Conditioning at 100%	19,750
Total Load:		**51,103**
Total amp at 208V, 3 phase		**142**

2 UNIT LOAD CALCULATION - UNIT D

SCALE: NTS

BUSSING: 200A, 10,000 AIC SYMMETRICAL
MAIN: 200A/3P MCB

UNIT PANEL (3 BR + DEN)

LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED

120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CK	A	B	C	CK	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + POWDER RM REC	R
E		***		15		●		16	20/1	***	SPARE	
E	KITCHEN RANGE	***	50/2	17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20		***		E
R	KITCHEN AC REC	***	20/1	21		●		22	50/2	***	STEAM SHOWER 1	E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30				E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)]	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)						PHASE B (VA)			TOTAL ALL PHASES (AMPS)	
	***	***						***			***	

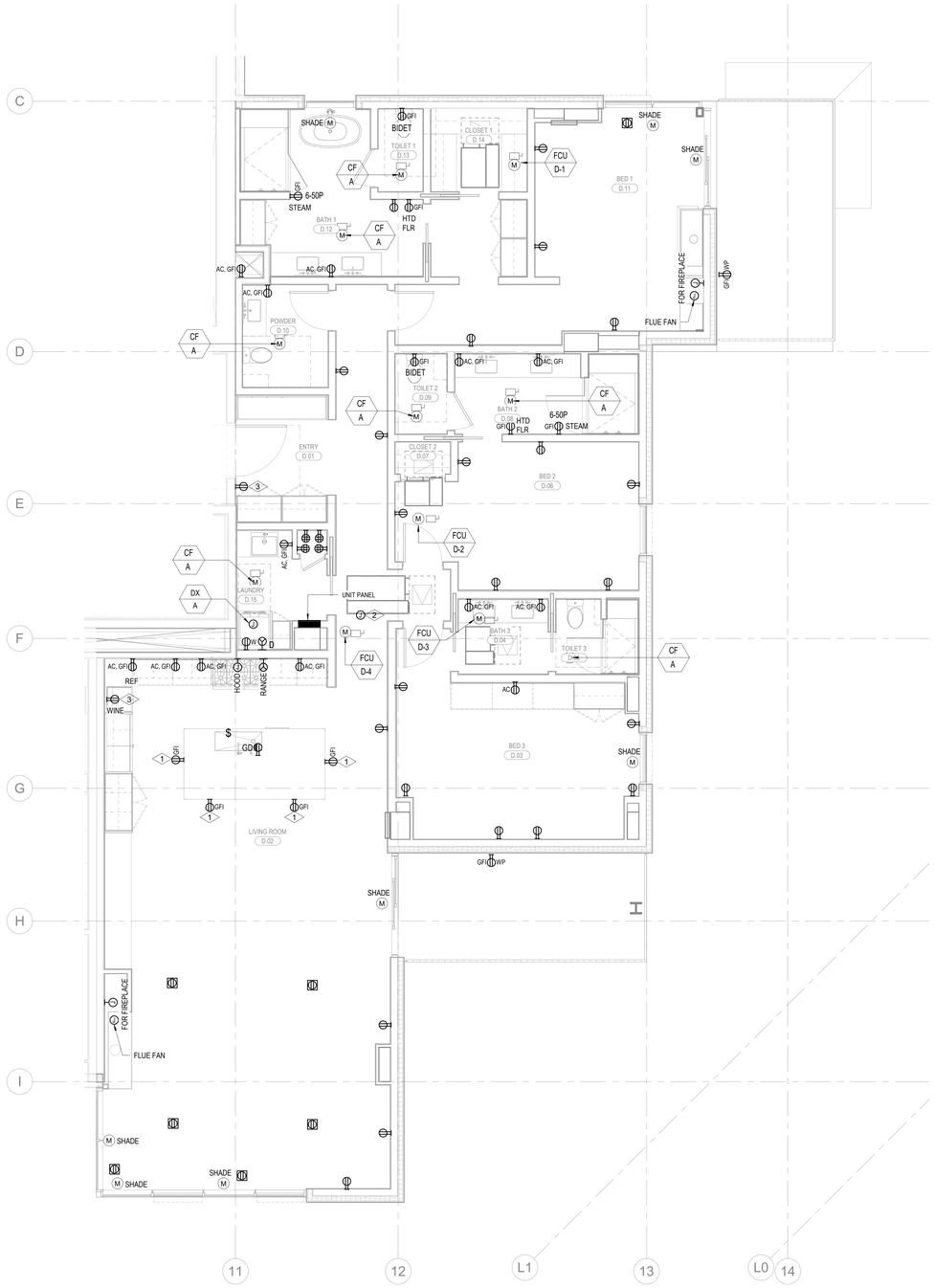
LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	2650 SF	3 VA/SF	7950 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	19750 VA	19750 VA
SUB-TOTAL			83445 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			51228 VA

CONNECTED LOAD SUMMARY
83445 VA
232 AMPS

NEC LOAD SUMMARY
51228 VA
142 AMPS

3 PANEL SCHEDULE - UNIT D

SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT D

SCALE: 1/4" = 1'-0"

Reserved for permit stamp

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no. date by

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07/15/2022

TOWER A/B ELECTRICAL POWER PLAN - UNIT D

E2.4.D

1 TOWER A/B - ELECTRICAL PLAN - UNIT E
SCALE: 1/4" = 1'-0"

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.
B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.
C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.
D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.
E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.
F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.
G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.
H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.
I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.
2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.
3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

Unit E		3,234 sq.ft.		
Load Description		**VA/sq.ft. (or quantity)**	**VA**	**Total VA**
1	General Lighting:			
	a. General lighting & receptacles	3	9,702	
	b. Small appliances (2 ckt.)	2	3,000	
	c Laundry circuit	1	1,500	
	Total		14,202	14,202
2	Fixed Appliances:		38,245	38,245
3	Cooking (Electric)	1	8,000	8,000
4	Clothes Dryer:	1	5,000	5,000
5	HVAC			
	a. FCU	6	5,100	
	b. BATHROOM EF	10	500	
	c. 0	-	-	
	d. 0	-	-	
	e. 0	-	-	
	f. 0	-	-	
	g. MUA (Large)	1	16,000	
	h. MUA (Small)	-	-	
	i. --	-	-	
	j. --	-	-	
	k. 0	-	-	
	l. Watts per square foot	-	-	
	Total		21,600	21,600
Total Load:				**87,047**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	3,921
2	Fixed appliance at 100%	38,245
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	21,600
Total Load:		**79,766**
Total amp at 208V, 3 phase		**383**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	22,179
3	Air Conditioning at 100%	21,600
Total Load:		**53,779**
Total amp at 208V, 3 phase		**149**

2 UNIT LOAD CALCULATION - UNIT E
SCALE: NTS

UNIT PANEL (4 BR + DEN)

BUSSING: 200A, 10,000 AIC SYMMETRICAL — LOCATION: LAUNDRY ROOM
MAIN: 200A/3P MCB — MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

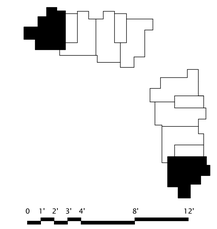
TYPE	DESCRIPTION	LOAD	DEVICE	CKT #	A	B	C	CKT #	DEVICE	LOAD	DESCRIPTION	TYPE
M		***		1	●			2	20/1	***	BEDROOM 1 REC	R
M	LAUNDRY DRYER	***	30/2	3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)]	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
	***	***							***		***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	3942 SF	3 VA/SF	11826 VA
SMALL APPLIANCE BRANCH CIRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	22450 VA	22450 VA
SUB-TOTAL			90021 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			55478 VA

CONNECTED LOAD SUMMARY
90021 VA
250 AMPS

NEC LOAD SUMMARY
55478 VA
154 AMPS

3 PANEL SCHEDULE - UNIT E
SCALE: NTS



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date 07/15/2022

revisions:

no. date by

PROGRESS PRINT
07/15/2022

TOWER A/B ELECTRICAL POWER PLAN - UNIT E

E2.4.E

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE. SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

Unit F 3,202 sq.ft.

Load Description				VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:					
	a.	General lighting & receptacles		3	9,606	
	b.	Small appliances (2 ckt.)		2	3,000	
	c	Laundry circuit		1	1,500	
	Total				14,106	14,106
2	Fixed Appliances:				38,245	38,245
3	Cooking (Electric)			1	8,000	8,000
4	Clothes Dryer:			1	5,000	5,000
5	HVAC					
	a.	FCU		6	5,100	
	b.	BATHROOM EF		9	450	
	c.	0		-	-	
	d.	0		-	-	
	e.	0		-	-	
	f.	0		-	-	
	g.	MUA (Large)		1	16,000	
	h.	MUA (Small)		-	-	
	i.	--		-	-	
	j.	--		-	-	
	k.	0		-	-	
	l.	Watts per square foot		-	-	
	Total				21,550	21,550
Total Load:						**86,901**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	3,887
2	Fixed appliance at 100%	38,245
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	21,550
Total Load:		**79,682**
Total amp at 208V, 3 phase		**221**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	22,140
3	Air Conditioning at 100%	21,550
Total Load:		**53,690**
Total amp at 208V, 3 phase		**149**

2 UNIT LOAD CALCULATION - UNIT F

SCALE: NTS

UNIT PANEL (4 BR + DEN)

BUSSING: 200A, 10,000 AIC SYMMETRICAL
MAIN: 200A/3P MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CK T	A	B	C	CK T	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)[	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
TOTAL ALL PHASES (VA)		PHASE A (VA)						PHASE B (VA)			TOTAL ALL PHASES (AMPS)	
***		***						***			***	

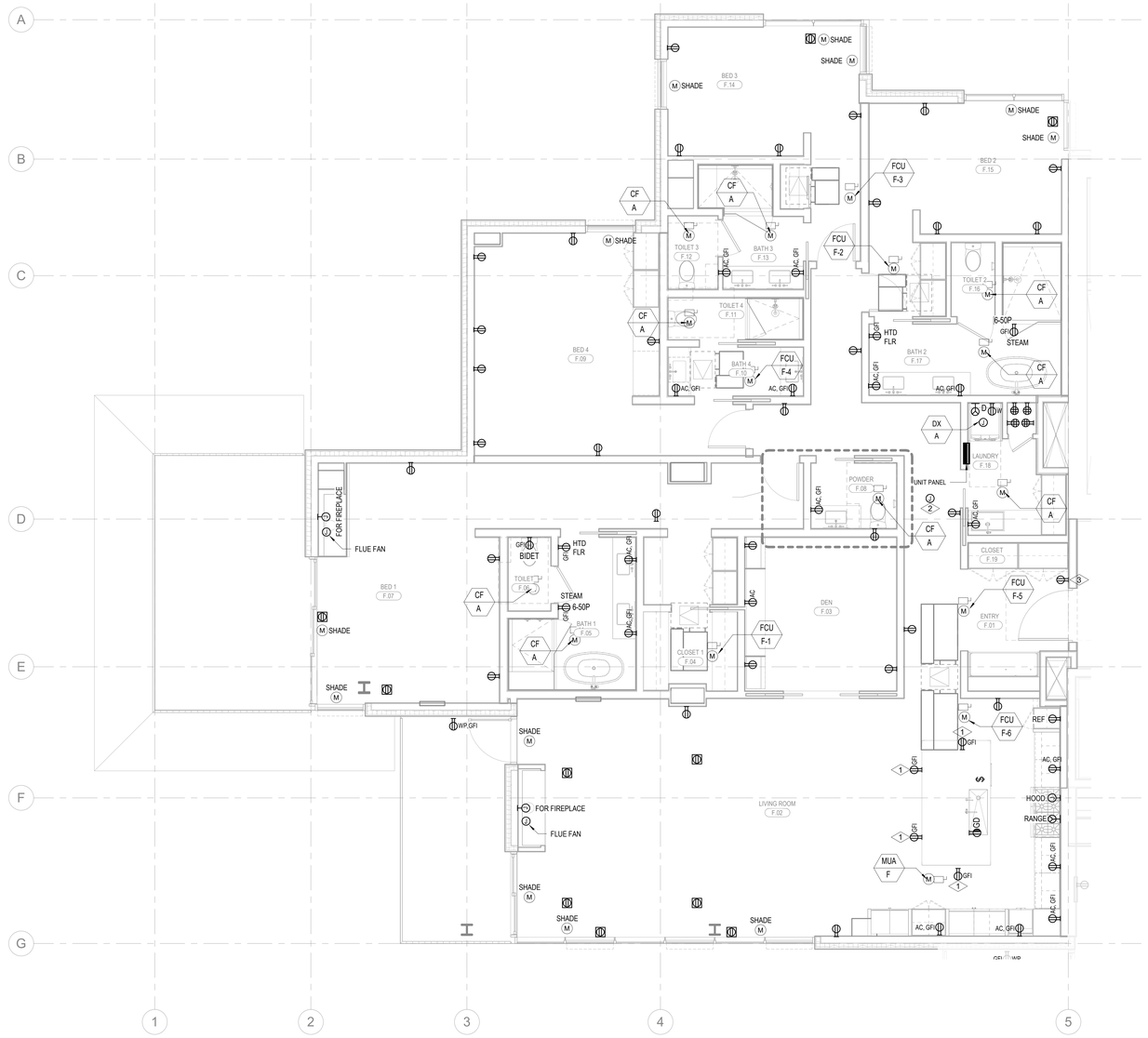
LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	3942 SF	3 VA/SF	11826 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	22450 VA	22450 VA
SUB-TOTAL			90021 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			55478 VA

CONNECTED LOAD SUMMARY
90021 VA
250 AMPS

NEC LOAD SUMMARY
55478 VA
154 AMPS

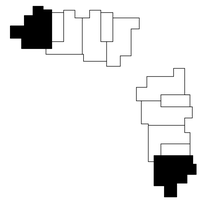
3 PANEL SCHEDULE - UNIT F

SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT F

SCALE: 1/4" = 1'-0"



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checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

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07/15/2022

TOWER A/B ELECTRICAL POWER PLAN - UNIT F

E2.4.F

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

Unit G 2,984 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	8,952	
	b.	Small appliances (2 ckt.)	2	3,000	
	c.	Laundry circuit	1	1,500	
	Total			13,452	13,452
2	Fixed Appliances:			38,245	38,245
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	5	4,250	
	b.	BATHROOM EF	9	450	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	1	16,000	
	h.	MUA (Small)	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			20,700	20,700
Total Load:					**85,397**

Application of Demand Factor:

1	General Lighting:		
	a.	3000VA at 100%	3,000
	b.	Remaining load at 35%	3,658
2	Fixed appliance at 75%		28,684
3	Electric cooking (NEC Table 220-55)		8,000
4	Clothes Dryer (NEC Table 220-54)		5,000
5	HVAC at 100%		20,700
Total Load:			**69,042**
Total amp at 208V, 3 phase			**192**

Application of Demand Factor: (NEC 220-82)

1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	21,879
3	Air Conditioning at 100%	20,700
Total Load:		**52,579**
Total amp at 208V, 3 phase		**146**

2 UNIT LOAD CALCULATION - UNIT G

SCALE: NTS

UNIT PANEL (4 BR + DEN)

BUSSING: 200A, 10,000 AIC SYMMETRICAL
MAIN: 200A/3P MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED

120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22				
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30				
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44				
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48				
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52				
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56				
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)]	E
M	MOTORIZED SHADES	***	20/1	59			●	60				
TOTAL ALL PHASES (VA)		PHASE A (VA)						PHASE B (VA)			TOTAL ALL PHASES (AMPS)	
***		***						***			***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	3942 SF	3 VA/SF	11826 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
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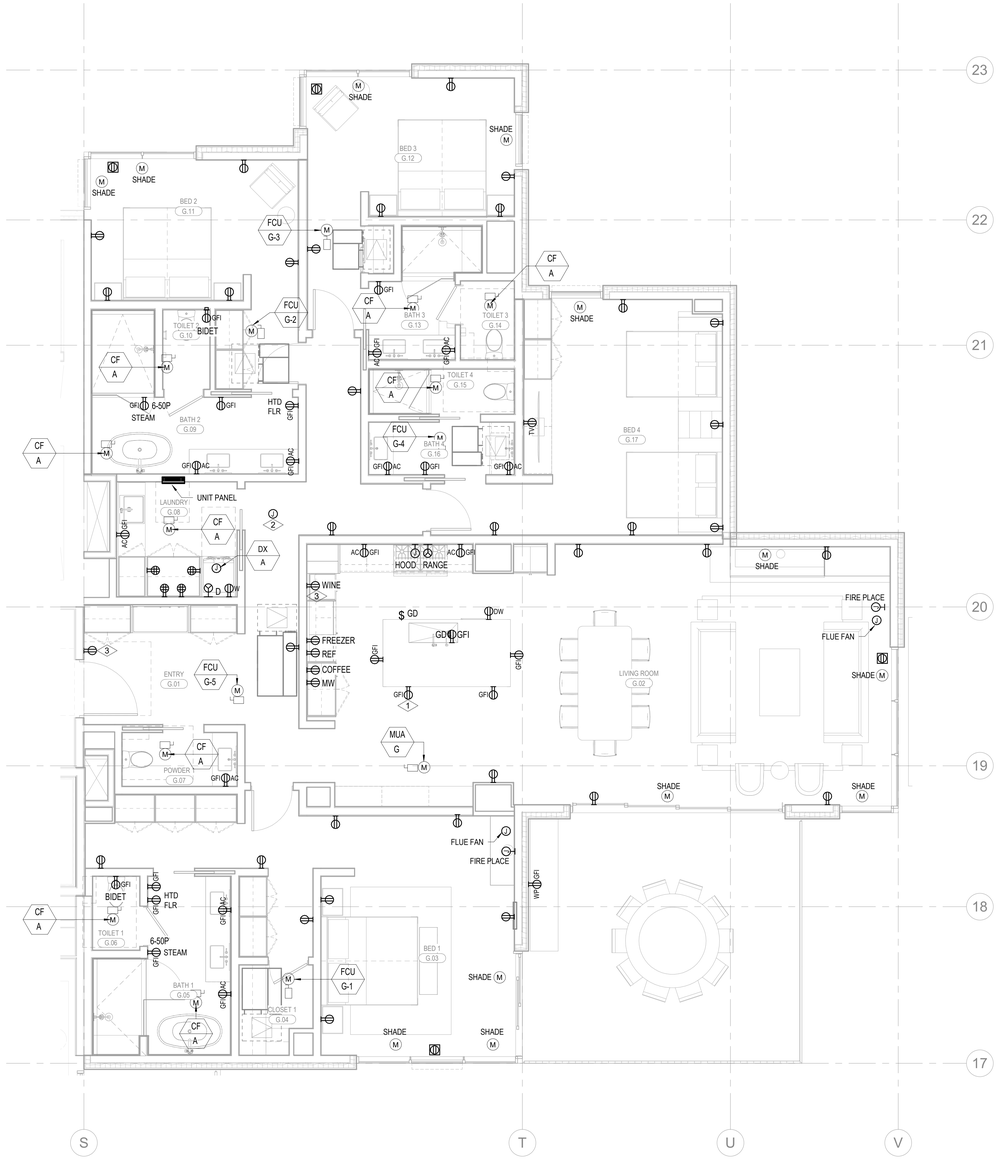
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	22450 VA	22450 VA
SUB-TOTAL			90021 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			55478 VA

CONNECTED LOAD SUMMARY
90021 VA
250 AMPS

NEC LOAD SUMMARY
55478 VA
154 AMPS

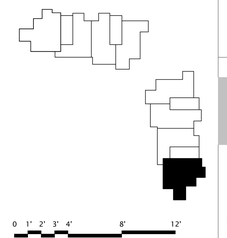
3 PANEL SCHEDULE - UNIT G

SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT G

SCALE: 1/4" = 1'-0"



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checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

PROGRESS PRINT
07/15/2022

TOWER A/B ELECTRICAL POWER PLAN - UNIT G

E2.4.G

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BUSSING: 200A, 10,000 AIC SYMMETRICAL
MAIN: 200A/3P MCB

UNIT PANEL (4 BR + DEN)

120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***	30/3	49	●			50	20/2	***	FCU-3	E
E	MUA	***		51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)‖	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
	***	***							***		***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	3942 SF	3 VA/SF	11826 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
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FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	22450 VA	22450 VA
SUB-TOTAL			90021 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			55478 VA

CONNECTED LOAD SUMMARY
90021 VA
250 AMPS

NEC LOAD SUMMARY
55478 VA
154 AMPS

3 PANEL SCHEDULE - UNIT H
SCALE: NTS

Unit H 3,942 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a. General lighting & receptacles		3	11,826	
	b. Small appliances (2 ckt.)		2	3,000	
	c. Laundry circuit		1	1,500	
	Total			16,326	16,326
2	Fixed Appliances:			38,245	38,245
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a. FCU		7	5,950	
	b. BATHROOM EF		10	500	
	c. 0		-	-	
	d. 0		-	-	
	e. 0		-	-	
	f. 0		-	-	
	g. MUA (Large)		1	16,000	
	h. MUA (Small)		-	-	
	i. --		-	-	
	j. --		-	-	
	k. 0		-	-	
	l. Watts per square foot		-	-	
	Total			22,450	22,450
Total Load:					**90,021**

Application of Demand Factor:

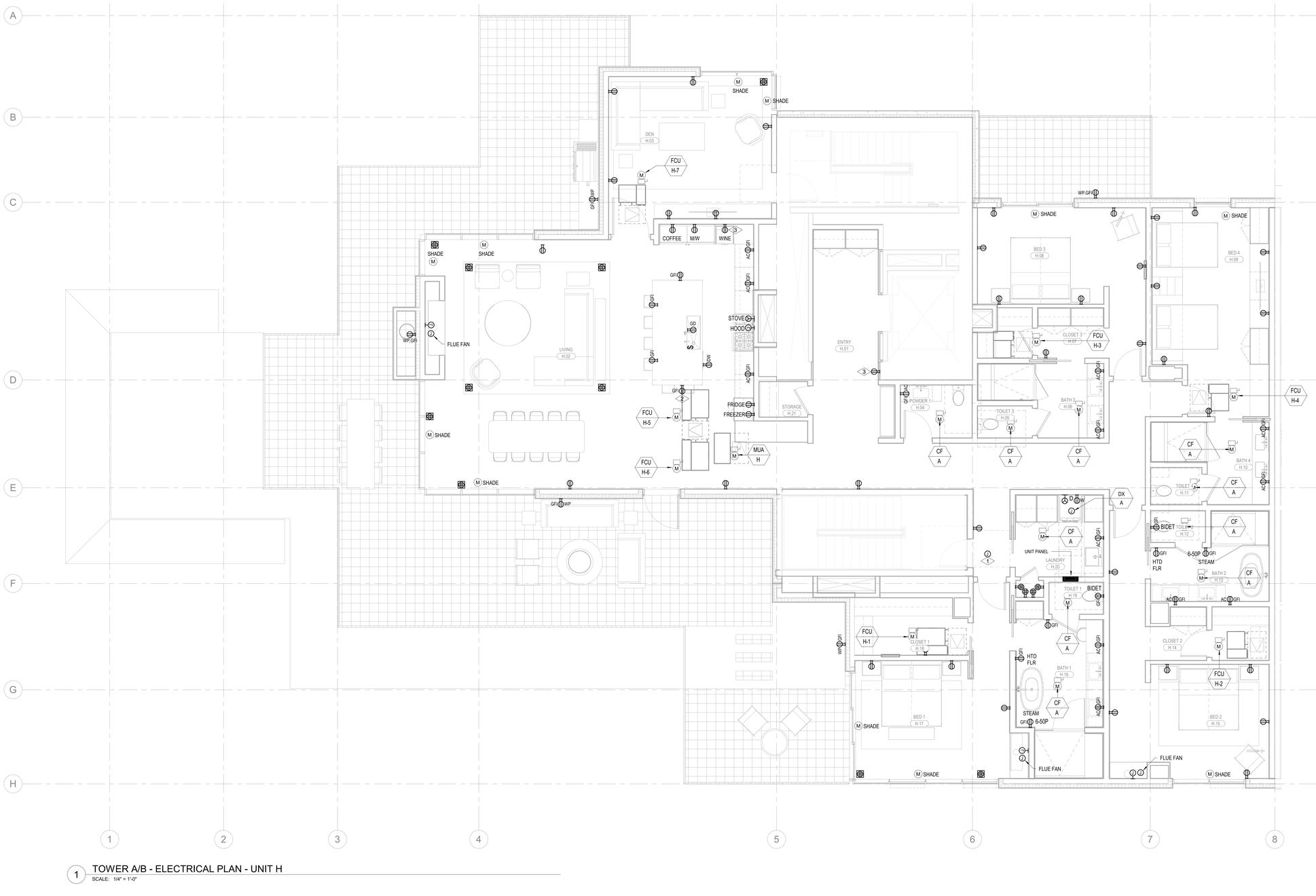
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	4,664
2	Fixed appliance at 75%	28,684
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	22,450
Total Load:		**71,798**

Total amp at 208V, 3 phase **199**

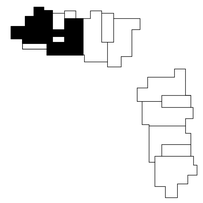
Application of Demand Factor: (NEC 220-82)

1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	23,028
3	Air Conditioning at 100%	22,450
Total Load:		**55,478**
Total amp at 208V, 3 phase		**154**

2 UNIT LOAD CALCULATION - UNIT H
SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT H
SCALE: 1/4" = 1'-0"



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principal architect
project manager
drawn by
checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

PROGRESS PRINT
07/15/2022

TOWER A/B ELECTRICAL POWER PLAN - UNIT H

E2.4.H

SHEET NOTES:

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B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

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F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

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I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

UNIT PANEL (5 BR + DEN)

BUSSING: 250A 10,000 AIC SYMMETRICAL — LOCATION: LAUNDRY ROOM
MAIN: 250A/3P MCB — MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20		***		E
R	KITCHEN AC REC	***	20/1	21		●		22	50/2	***	STEAM SHOWER 1	E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	BEDROOM 5 REC	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
E	FIRE PLACE FLUE FAN	***	20/1	43	●			44		***		E
E	FIRE PLACE	***	20/1	47		●		46	20/2	***	FCU-2	E
E	MUA	***	30/3	49			●	50	20/2	***	FCU-3	E
E		***		51	●			52		***		E
E		***		53		●		54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55			●	56		***		E
M	MOTORIZED SHADES	***	20/1	57	●			58	20/2	***	FCU-5 (IF PRESENT)‖	E
M	MOTORIZED SHADES	***	20/1	59		●		60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
	***	***							***		***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	5326 SF	3 VA/SF	15978 VA
SMALL APPLIANCE BRANCH CIRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	23350 VA	23350 VA
SUB-TOTAL			95073 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			58039 VA

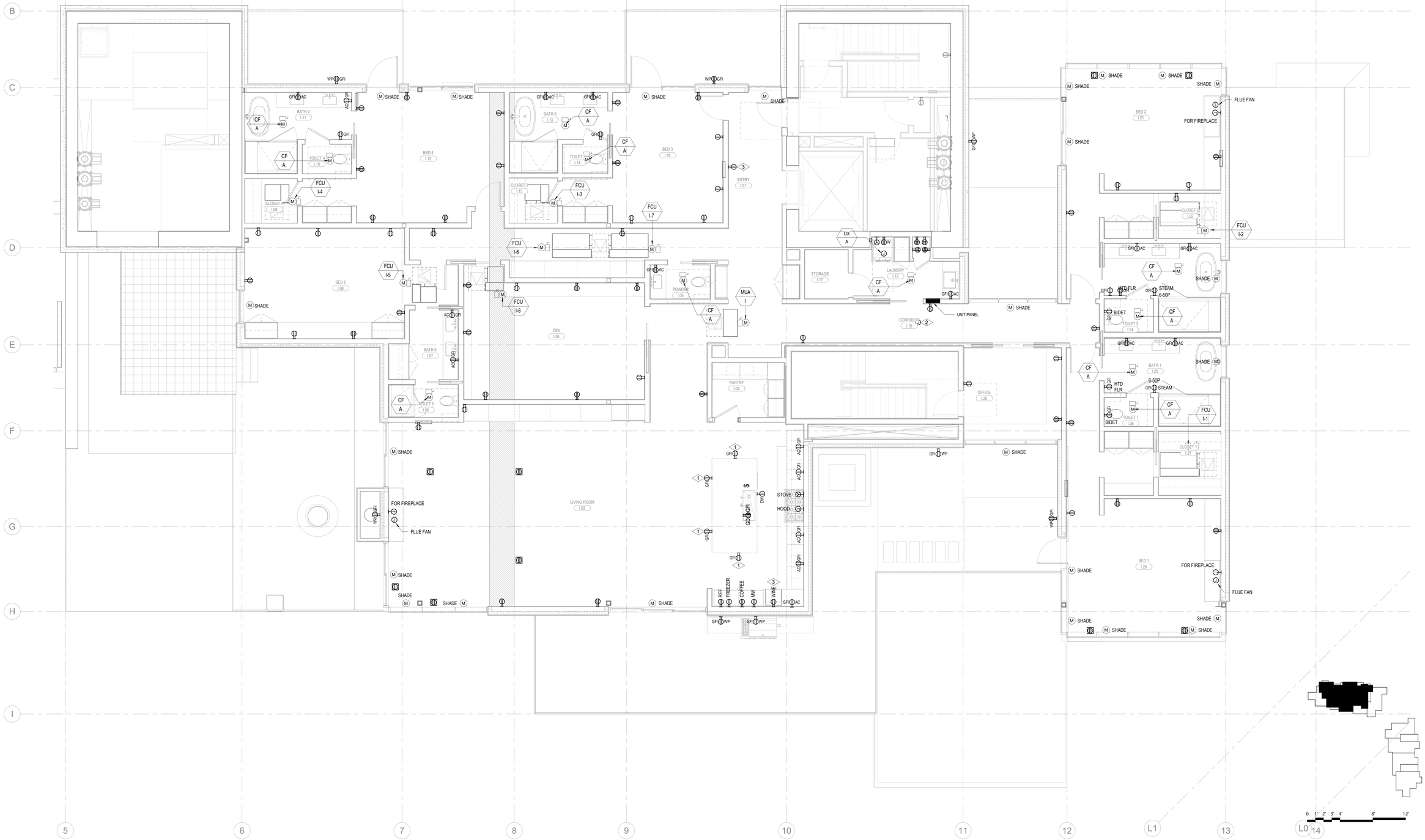
CONNECTED LOAD SUMMARY
95073 VA
264 AMPS

NEC LOAD SUMMARY
58039 VA
161 AMPS

3 PANEL SCHEDULE - UNIT I
SCALE: NTS

Unit I	5,326 sq.ft.		
Load Description		**VA/sq.ft. (or quantity)**	**VA**	**Total VA**
1	General Lighting:			
	a. General lighting & receptacles	3	15,978	
	b. Small appliances (2 ckt.)	2	3,000	
	c Laundry circuit	1	1,500	
	Total		20,478	20,478
2	Fixed Appliances:		38,245	38,245
3	Cooking (Electric)	1	8,000	8,000
4	Clothes Dryer:	1	5,000	5,000
5	HVAC			
	a. FCU	8	6,800	
	b. BATHROOM EF	11	550	
	c. 0	-	-	
	d. 0	-	-	
	e. 0	-	-	
	f. 0	-	-	
	g. MUA (Large)	1	16,000	
	h. MUA (Small)	-	-	
	i. --	-	-	
	j. --	-	-	
	k. 0	-	-	
	l. Watts per square foot	-	-	
	Total		23,350	23,350
Total Load:				**95,073**
Application of Demand Factor:				
1	General Lighting:			
	a. 3000VA at 100%			3,000
	b. Remaining load at 35%			6,117
2	Fixed appliance at 75%			28,684
3	Electric cooking (NEC Table 220-55)			8,000
4	Clothes Dryer (NEC Table 220-54)			5,000
5	HVAC at 100%			23,350
Total Load:				**74,151**
Total amp at 208V, 3 phase				**206**
Application of Demand Factor: (NEC 220-82)				
1	First 10KVA at 100%			10,000
2	Remaining Load at 40%			24,689
3	Air Conditioning at 100%			23,350
Total Load:				**58,039**
Total amp at 208V, 3 phase				**161**

2 UNIT LOAD CALCULATION - UNIT I
SCALE: NTS



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TOWER A/B ELECTRICAL POWER PLAN - UNIT I

E2.4.I

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Unit J 4,502 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	13,506	
	b.	Small appliances (2 ckt.)	2	3,000	
	c	Laundry circuit	1	1,500	
	Total			18,006	18,006
2	Fixed Appliances:			38,245	38,245
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC:				
	a.	FCU	6	5,100	
	b.	BATHROOM EF	12	600	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	1	16,000	
	h.	MUA (Small)	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			21,700	21,700
Total Load:					**90,951**

Application of Demand Factor:		
1	General Lighting:	
a.	3000VA at 100%	3,000
b.	Remaining load at 35%	5,252
2	Fixed appliance at 100%	38,245
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	21,700
Total Load:		**81,197**
Total amp at 208V, 3 phase		**226**

Application of Demand Factor: (NEC 220-82)	
1	First 10KVA at 100% 10,000
2	Remaining Load at 40% 23,700
3	Air Conditioning at 100% 21,700
Total Load:	**55,400**
Total amp at 208V, 3 phase	**154**

2 UNIT LOAD CALCULATION - UNIT J
SCALE: NTS

UNIT PANEL (5 BR + DEN)

BUSSING: 250A 10,000 AIC SYMMETRICAL
MAIN: 250A/3P MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
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M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	BEDROOM 5 REC	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E	MUA	***	30/3	49	●			50	20/2	***	FCU-3	E
E		***		51		●		52		***		E
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	***	***							***		***	

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LAUNDRY CIRCUIT	1	1500 VA	1500 VA
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FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	23350 VA	23350 VA
SUB-TOTAL			95073 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			58039 VA

CONNECTED LOAD SUMMARY
95073 VA
264 AMPS

NEC LOAD SUMMARY
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161 AMPS

3 PANEL SCHEDULE - UNIT J
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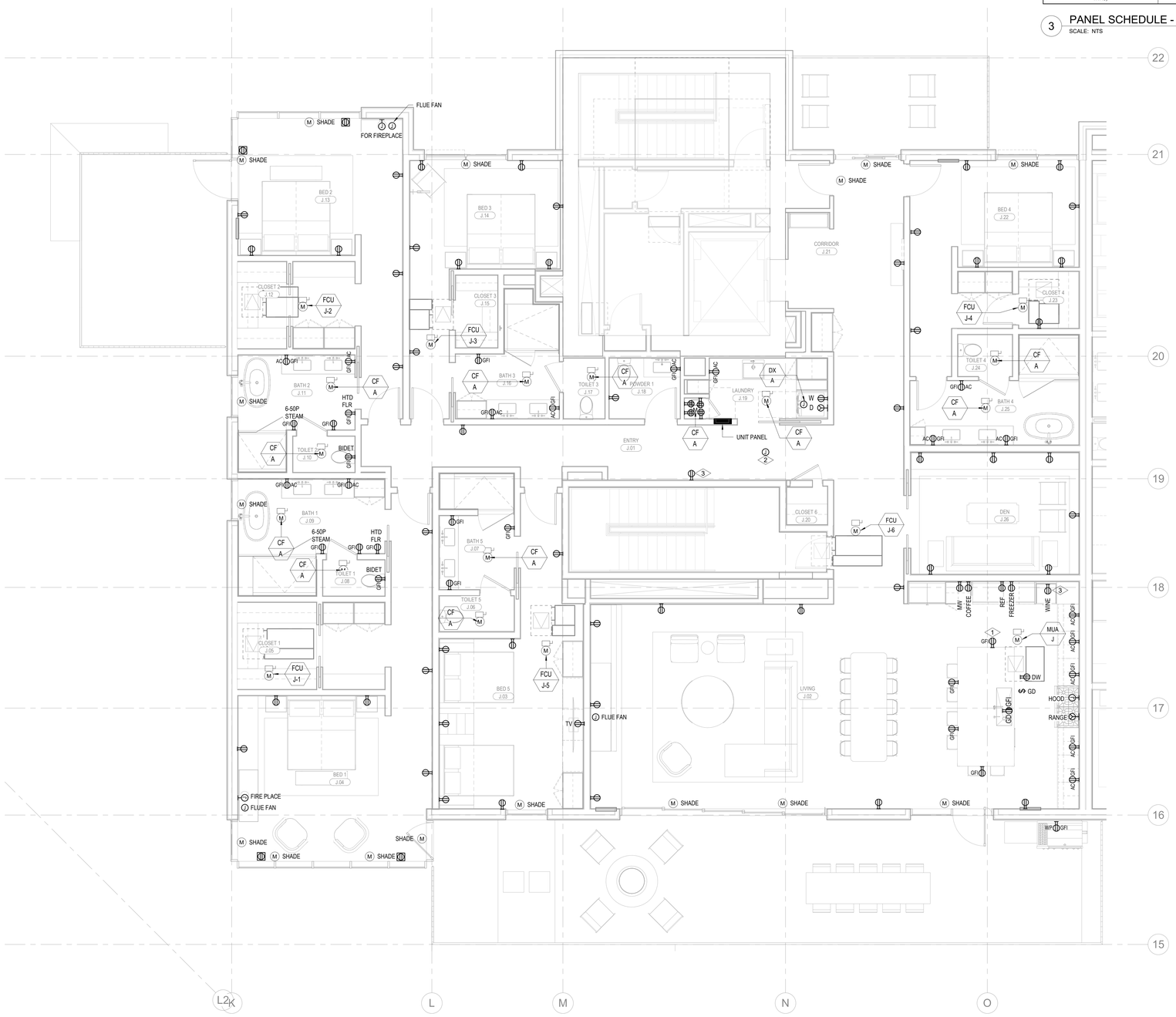

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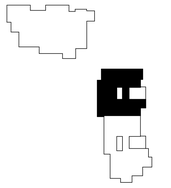

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C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

UNIT PANEL (5 BR + DEN)

BUSSING: 250A 10,000 AIC SYMMETRICAL
MAIN: 250A/SP MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22	50/2	***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	BEDROOM 5 REC	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)]	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
	***	***							***		***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	5326 SF	3 VA/SF	15978 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	23350 VA	23350 VA
SUB-TOTAL			95073 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			58039 VA

CONNECTED LOAD SUMMARY
95073 VA
264 AMPS

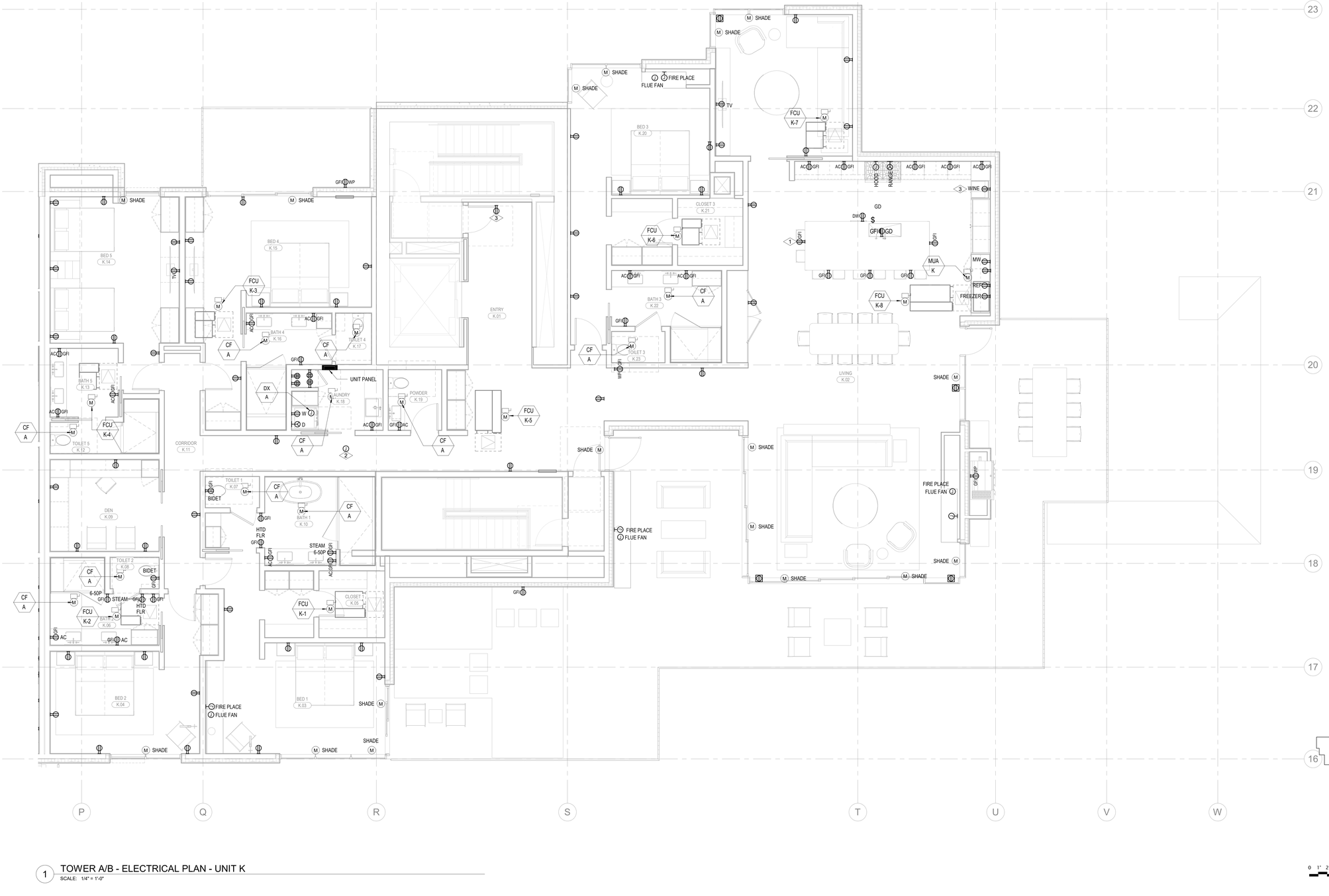
NEC LOAD SUMMARY
58039 VA
161 AMPS

3 PANEL SCHEDULE - UNIT K
SCALE: NTS

Unit K 4,827 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	14,481	
	b.	Small appliances (2 ckt.)	2	3,000	
	c.	Laundry circuit	1	1,500	
	Total			18,981	18,981
2	Fixed Appliances:			38,245	38,245
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	8	6,800	
	b.	BATHROOM EF	11	550	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	1	16,000	
	h.	MUA (Small)	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			23,350	23,350
Total Load:					**93,576**
Application of Demand Factor:					
1	General Lighting:				
	a.	3000VA at 100%			3,000
	b.	Remaining load at 35%			5,593
2	Fixed appliance at 100%				38,245
3	Electric cooking (NEC Table 220-55)				8,000
4	Clothes Dryer (NEC Table 220-54)				5,000
5	HVAC at 100%				23,350
Total Load:					**83,188**
Total amp at 208V, 3 phase					**231**
Application of Demand Factor: (NEC 220-82)					
1	First 10KVA at 100%				10,000
2	Remaining Load at 40%				24,090
3	Air Conditioning at 100%				23,350
Total Load:					**57,440**
Total amp at 208V, 3 phase					**160**

2 UNIT LOAD CALCULATION - UNIT K
SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT K
SCALE: 1/4" = 1'-0"

0 1' 2' 3' 4' 8' 12'

Reserved for permit stamp

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date 07/15/2022

revisions:

no. date by

PROGRESS PRINT
07/15/2022

TOWER A/B ELECTRICAL POWER PLAN - UNIT K

E2.4.K

BUSSING: 200A, 10,000 AIC SYMMETRICAL	**UNIT PANEL (4 BR + DEN)**							LOCATION: LAUNDRY ROOM	
MAIN: 200A/3P MCB								MOUNTING: RECESSED	
	120/208V, 3 PHASE, 4 WIRE								
TYPE	100% RATED NEUTRAL + GROUND								TYPE
DESCRIPTION	LOAD	DEVICE	CKT #	A	B	C	CKT #	DEVICE	LOAD	DESCRIPTION	
M LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M	***		3		●		4	20/1	***	LIVING ROOM REC	R
M LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E	***		17			●	18	20/1	***	HEATED FLOOR 1	E
R KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R KITCHEN AC REC	***	20/1	21		●		22		***		E
E KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E SMOKE ALARMS	***	20/1	29			●	30		***		E
			31	●			32	20/1	***	BIDET 2	E
			33		●		34	20/1	***	LIGHTING	L
R AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
			39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
			41			●	42	20/2	***	FCU-1	E
	***	20/1	43	●			44		***		E
E FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E FIRE PLACE	***	20/1	47			●	48		***		E
E	***		49	●			50	20/2	***	FCU-3	E
E MUA	***	30/3	51		●		52		***		E
E	***		53			●	54	20/2	***	FCU-4	E
M MOTORIZED SHADES	***	20/1	55	●			56		***		E
M MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)[	E
M MOTORIZED SHADES	***	20/1	59			●	60		***		E
TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
***	***							***		***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	3942 SF	3 VA/SF	11826 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51345 VA	51345 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	22450 VA	22450 VA
SUB-TOTAL			90021 VA
DEMAND (100% x 10000)(A+ 40% X REMAINDER< 100% HVAC)			55478 VA

CONNECTED LOAD SUMMARY
90021 VA
250 AMPS

NEC LOAD SUMMARY
55478 VA
154 AMPS

3 PANEL SCHEDULE - UNIT L
SCALE: NTS

Unit L 3,971 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	11,913	
	b.	Small appliances (2 ckt.)	2	3,000	
	c.	Laundry circuit	1	1,500	
	Total			16,413	16,413
2	Fixed Appliances:			37,045	37,045
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	5	4,000	
	b.	BATHROOM EIF	8	400	
	c.	MUA (LARGE)	1	16,000	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	0	-	-	
	h.	0	-	-	
	i.	--	-	-	
	j.	---	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			20,400	20,400
Total Load:					**86,858**

Application of Demand Factor:

1	General Lighting:		
	a.	3000VA at 100%	3,000
	b.	Remaining load at 35%	4,695
2	Fixed appliance at 100%		37,045
3	Electric cooking (NEC Table 220-55)		8,000
4	Clothes Dryer (NEC Table 220-54)		5,000
5	HVAC at 100%		20,400
Total Load:			**78,140**
Total amp at 208V, 3 phase			**217**

Application of Demand Factor: (NEC 220-82)

1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	22,583
3	Air Conditioning at 100%	20,400
Total Load:		**52,983**
Total amp at 208V, 3 phase		**147**

2 UNIT LOAD CALCULATION - UNIT L
SCALE: NTS

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

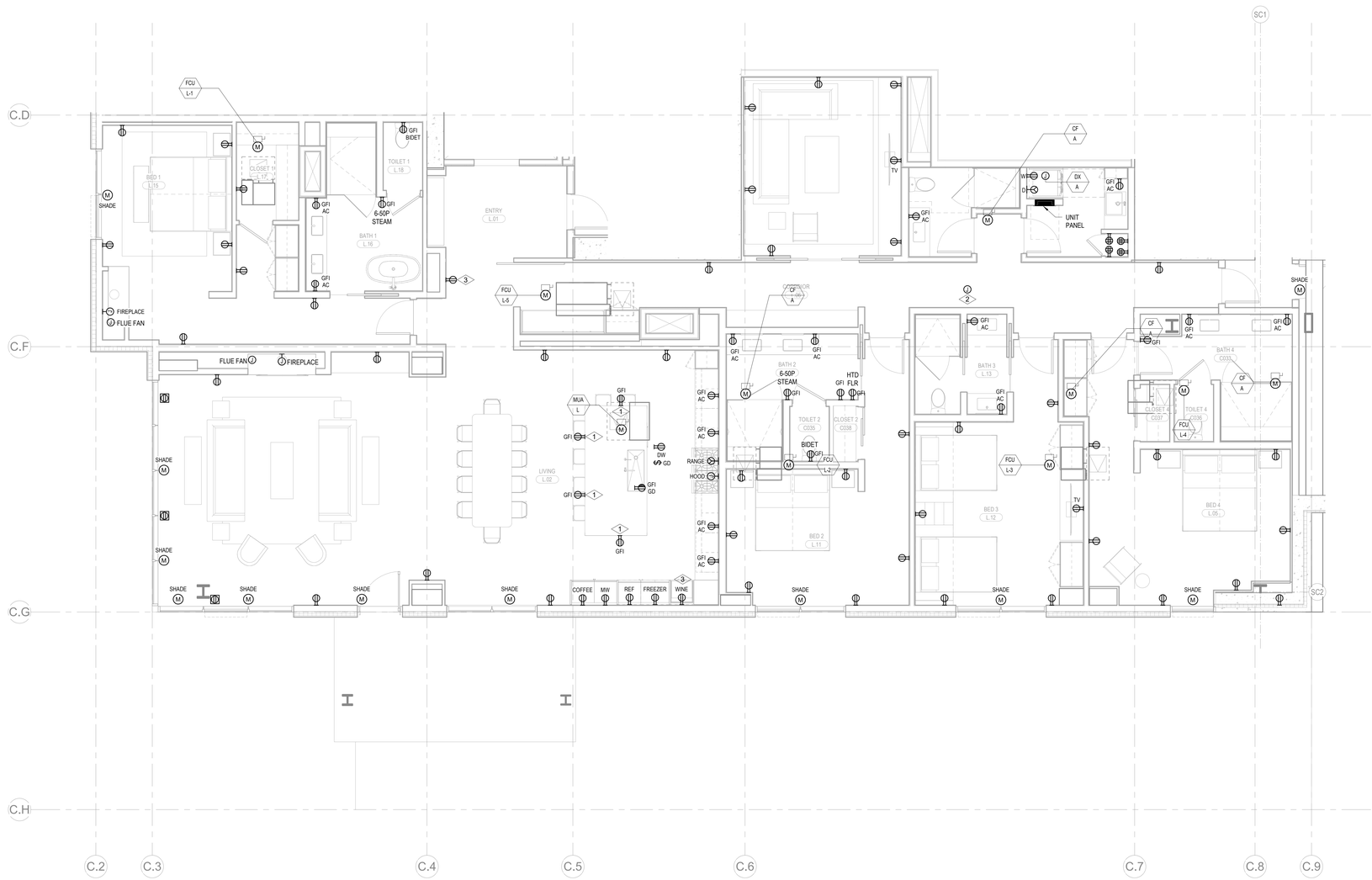
E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.



1 TOWER C - ELECTRICAL UNIT PLAN - L
SCALE: 1/4" = 1'-0"

0 1' 2' 3' 4' 8' 12'

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revisions:

no. date by

PROGRESS SET
07/15/2022

TOWER C ELECTRICAL POWER PLAN - UNIT L

E2.4.L

BUSSING: 250A 10,000 AIC SYMMETRICAL	UNIT PANEL (5 BR + DEN)	LOCATION: LAUNDRY ROOM
MAIN: 250A/3P MCB		MOUNTING: RECESSED

120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M		***		1	●			2	20/1	***	BEDROOM 1 REC	R
M	LAUNDRY DRYER	***	30/2	3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E		***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E	KITCHEN RANGE	***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22				E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30				E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	BEDROOM 5 REC	R
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)|	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
		***							***		***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	5326 SF	3 VA/SF	15978 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	23350 VA	23350 VA
SUB-TOTAL			95073 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			58039 VA

CONNECTED LOAD SUMMARY
95073 VA
264 AMPS

NEC LOAD SUMMARY
58039 VA
161 AMPS

3 PANEL SCHEDULE - UNIT M
SCALE: NTS

Unit M 4,263 sq.ft.			
Load Description	**VA/sq.ft. (or quantity)**	**VA**	**Total VA**
1 General Lighting:			
a. General lighting & receptacles	3	12,789	
b. Small appliances (2 ckt.)	2	3,000	
c Laundry circuit	1	1,500	
Total		17,289	17,289
2 Fixed Appliances:		37,045	37,045
3 Cooking (Electric)	1	8,000	8,000
4 Clothes Dryer:	1	5,000	5,000
5 HVAC			
a. FCU	6	4,800	
b. BATHROOM EF	10	500	
c. MUA (LARGE)	1	16,000	
d. 0	-	-	
e. 0	-	-	
f. 0	-	-	
g. 0	-	-	
h. 0	-	-	
i. --	-	-	
j. --	-	-	
k. 0	-	-	
l. Watts per square foot	-	-	
Total		21,300	21,300
Total Load:			**88,634**

Application of Demand Factor:		
1 General Lighting:		
a. 3000VA at 100%		3,000
b. Remaining load at 35%		5,001
2 Fixed appliance at 100%		37,045
3 Electric cooking (NEC Table 220-55)		8,000
4 Clothes Dryer (NEC Table 220-54)		5,000
5 HVAC at 100%		21,300
Total Load:		**79,346**
Total amp at 208V, 3 phase		**220**

Application of Demand Factor: (NEC 220-82)		
1 First 10KVA at 100%		10,000
2 Remaining Load at 40%		22,934
3 Air Conditioning at 100%		21,300
Total Load:		**54,234**
Total amp at 208V, 3 phase		**151**

2 UNIT LOAD CALCULATION - UNIT M
SCALE: NTS

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

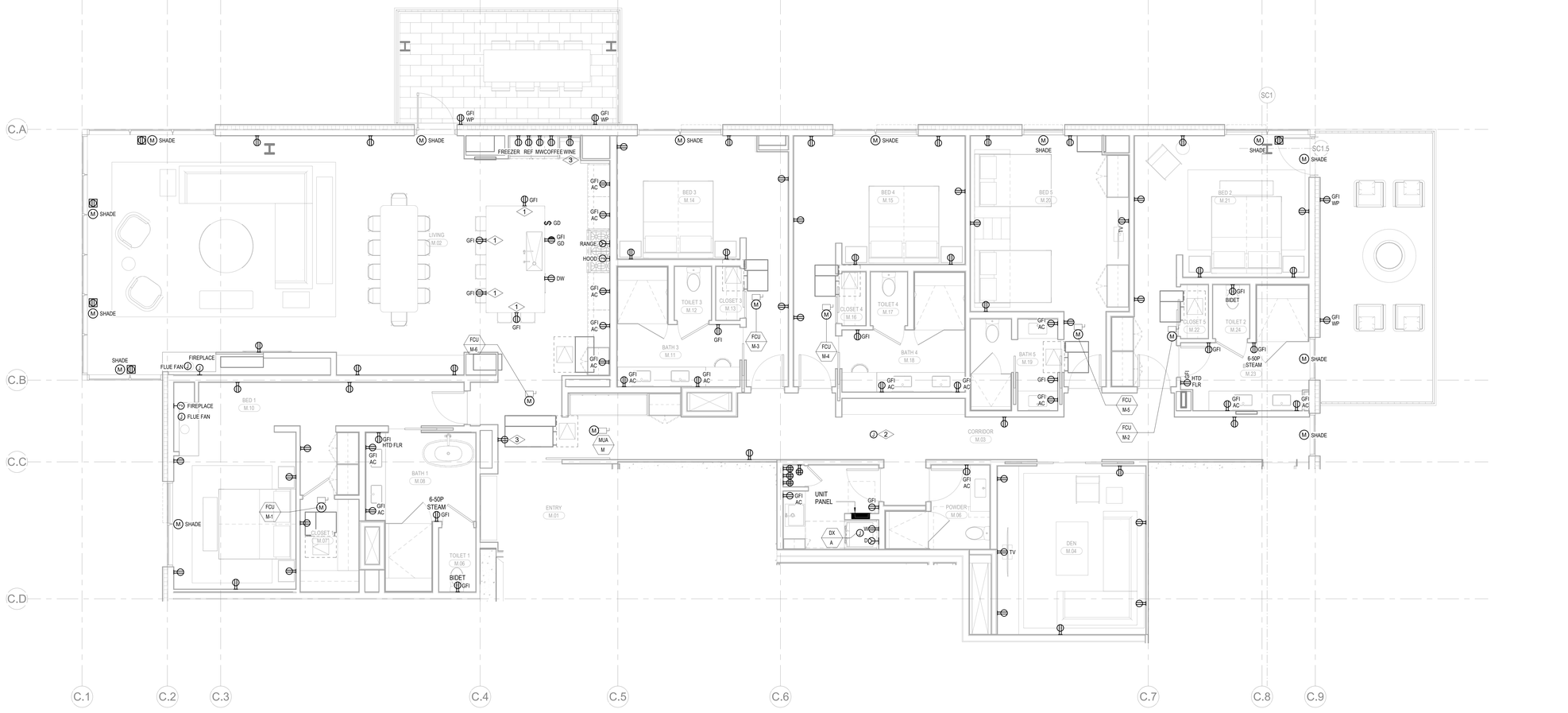
E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

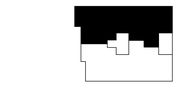
G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.



1 TOWER C - ELECTRICAL UNIT PLAN - M
SCALE: 1/4" = 1'-0"



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principal architect
project manager
drawn by
checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

PROGRESS SET
07/15/2022

TOWER C ELECTRICAL POWER PLAN - UNIT M

E2.4.M

Reserved for permit stamp

BUSSING: 250A 10,000 AIC SYMMETRICAL
MAIN: 250A/3P MCB

UNIT PANEL (5 BR + DEN)

LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED

120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28		***		E
E	SMOKE ALARMS	***	20/1	29			●	30	50/2	***	STEAM SHOWER 2	E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	BEDROOM 5 REC	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54	20/2	***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58	20/2	***	FCU-5 (IF PRESENT)	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)								PHASE B (VA)	TOTAL ALL PHASES (AMPS)	
		***								***		

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	5326 SF	3 VA/SF	15978 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	23350 VA	23350 VA
SUB-TOTAL			95073 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			58039 VA

CONNECTED LOAD SUMMARY
95073 VA
264 AMPS

NEC LOAD SUMMARY
58039 VA
161 AMPS

3 PANEL SCHEDULE - UNIT N
SCALE: NTS

Unit N 4,245 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	12,735	
	b.	Small appliances (2 ckt.)	2	3,000	
	c	Laundry circuit	1	1,500	
	Total			17,235	17,235
2	Fixed Appliances:			37,045	37,045
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	6	4,800	
	b.	BATHROOM EF	10	500	
	c.	MUA (LARGE)	1	16,000	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	0	-	-	
	h.	0	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			21,300	21,300
Total Load:					**88,580**

Application of Demand Factor:

1	General Lighting:		
	a.	3000VA at 100%	3,000
	b.	Remaining load at 35%	4,982
2	Fixed appliance at 100%		37,045
3	Electric cooking (NEC Table 220-55)		8,000
4	Clothes Dryer (NEC Table 220-54)		5,000
5	HVAC at 100%		21,300
Total Load:			**79,327**
Total amp at 208V, 3 phase			**220**

Application of Demand Factor: (NEC 220-82)

1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	22,912
3	Air Conditioning at 100%	21,300
Total Load:		**54,212**
Total amp at 208V, 3 phase		**151**

2 UNIT LOAD CALCULATION - UNIT N
SCALE: NTS

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

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F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.
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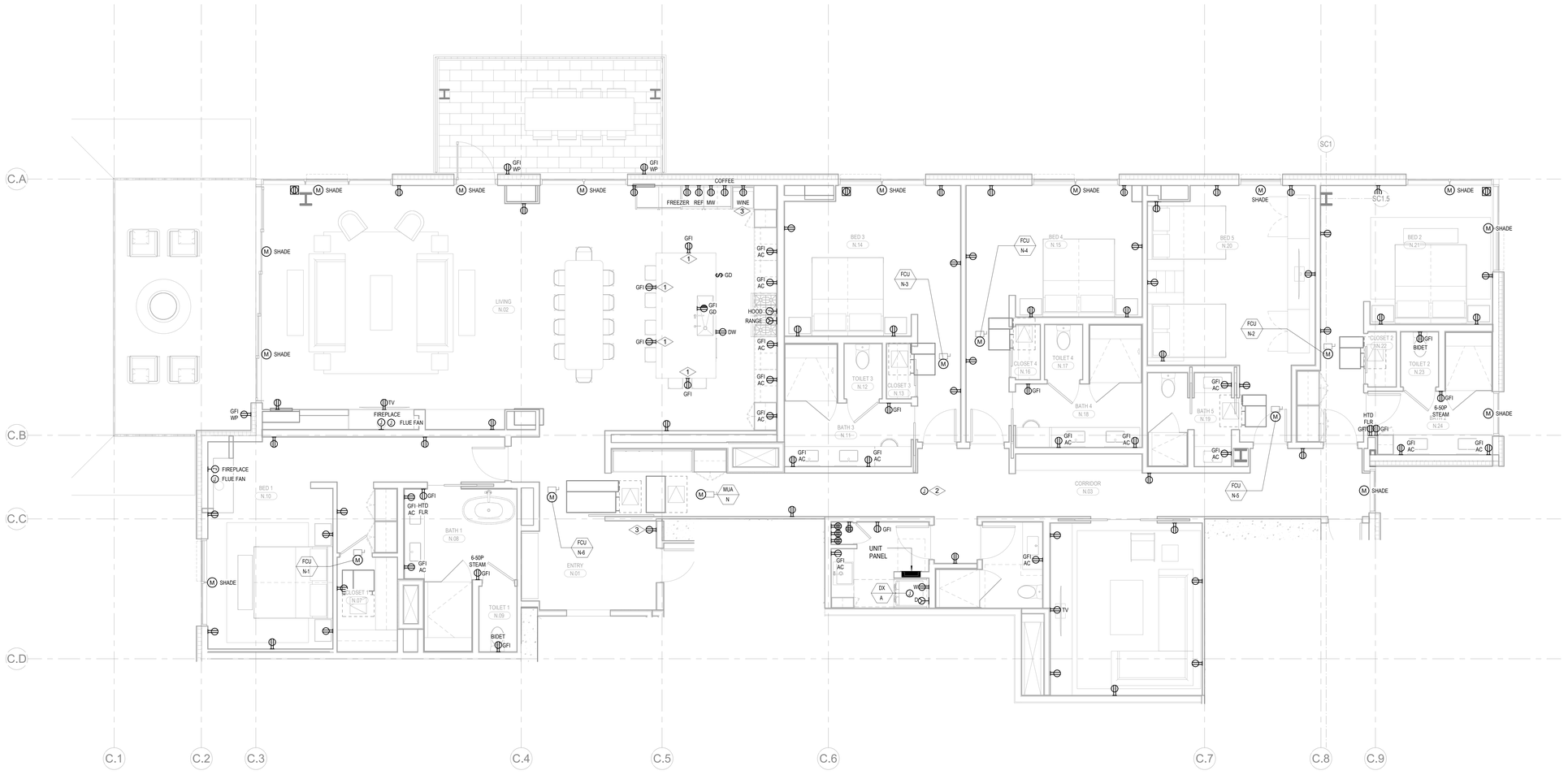

1 TOWER C - ELECTRICAL UNIT PLAN - N
SCALE: 1/4" = 1'-0"

0 1' 2' 3' 4' 8' 12'

Reserved for permit stamp

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principal architect
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drawn by
checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

PROGRESS SET
07/15/2022

TOWER C ELECTRICAL POWER PLAN - UNIT N

E2.4.N

Unit O	5,130 sq.ft.		
Load Description	**VA/sq.ft. (or quantity)**	**VA**	**Total VA**
1 General Lighting:			
a. General lighting & receptacles	3	15,390	
b. Small appliances (2 ckt.)	2	3,000	
c Laundry circuit	1	1,500	
Total		19,890	19,890
2 Fixed Appliances:		37,045	37,045
3 Cooking (Electric)	1	8,000	8,000
4 Clothes Dryer:	1	5,000	5,000
5 HVAC			
a. FCU	6	4,800	
b. BATHROOM EF	10	500	
c. MUA (LARGE)	1	16,000	
d. 0	-	-	
e. 0	-	-	
f. 0	-	-	
g. 0	-	-	
h. 0	-	-	
i. --	-	-	
j. --	-	-	
k. 0	-	-	
l. Watts per square foot	-	-	
Total		21,300	21,300
Total Load:			**91,235**

Application of Demand Factor:		
1 General Lighting:		
a. 3000VA at 100%		3,000
b. Remaining load at 35%		5,912
2 Fixed appliance at 100%		37,045
3 Electric cooking (NEC Table 220-55)		8,000
4 Clothes Dryer (NEC Table 220-54)		5,000
5 HVAC at 100%		21,300
Total Load:		**80,257**
Total amp at 208V, 3 phase		**223**

Application of Demand Factor: (NEC 220-82)	
1 First 10KVA at 100%	10,000
2 Remaining Load at 40%	23,974
3 Air Conditioning at 100%	21,300
Total Load:	**55,274**
Total amp at 208V, 3 phase	**154**

2 UNIT LOAD CALCULATION - UNIT O

SCALE: NTS

BUSSING: 250A 10,000 AIC SYMMETRICAL
MAIN: 250A/3P MCB

UNIT PANEL (5 BR + DEN)

120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	DEN REC	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	BEDROOM 3 REC	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	BATHROOM 3 + 4 POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	BEDROOM 4 REC	R
E		***		17			●	18	20/1	***	HEATED FLOOR 1	E
R	KITCHEN AC REC	***	20/1	19	●			20	50/2	***	STEAM SHOWER 1	E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	HEATED FLOOR 2	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	BIDET 1	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28	50/2	***	STEAM SHOWER 2	E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32	20/1	***	BIDET 2	E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	BEDROOM 5 REC	R
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42		***	FCU-1	E
		***	20/1	43	●			44	20/2	***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46		***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48	20/2	***		E
E		***		49	●			50		***	FCU-3	E
E	MUA	***	30/3	51		●		52	20/2	***		E
E		***		53			●	54		***	FCU-4	E
M	MOTORIZED SHADES	***	20/1	55	●			56	20/2	***		E
M	MOTORIZED SHADES	***	20/1	57		●		58		***	FCU-5 (IF PRESENT)]	E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
	***	***							***		***	

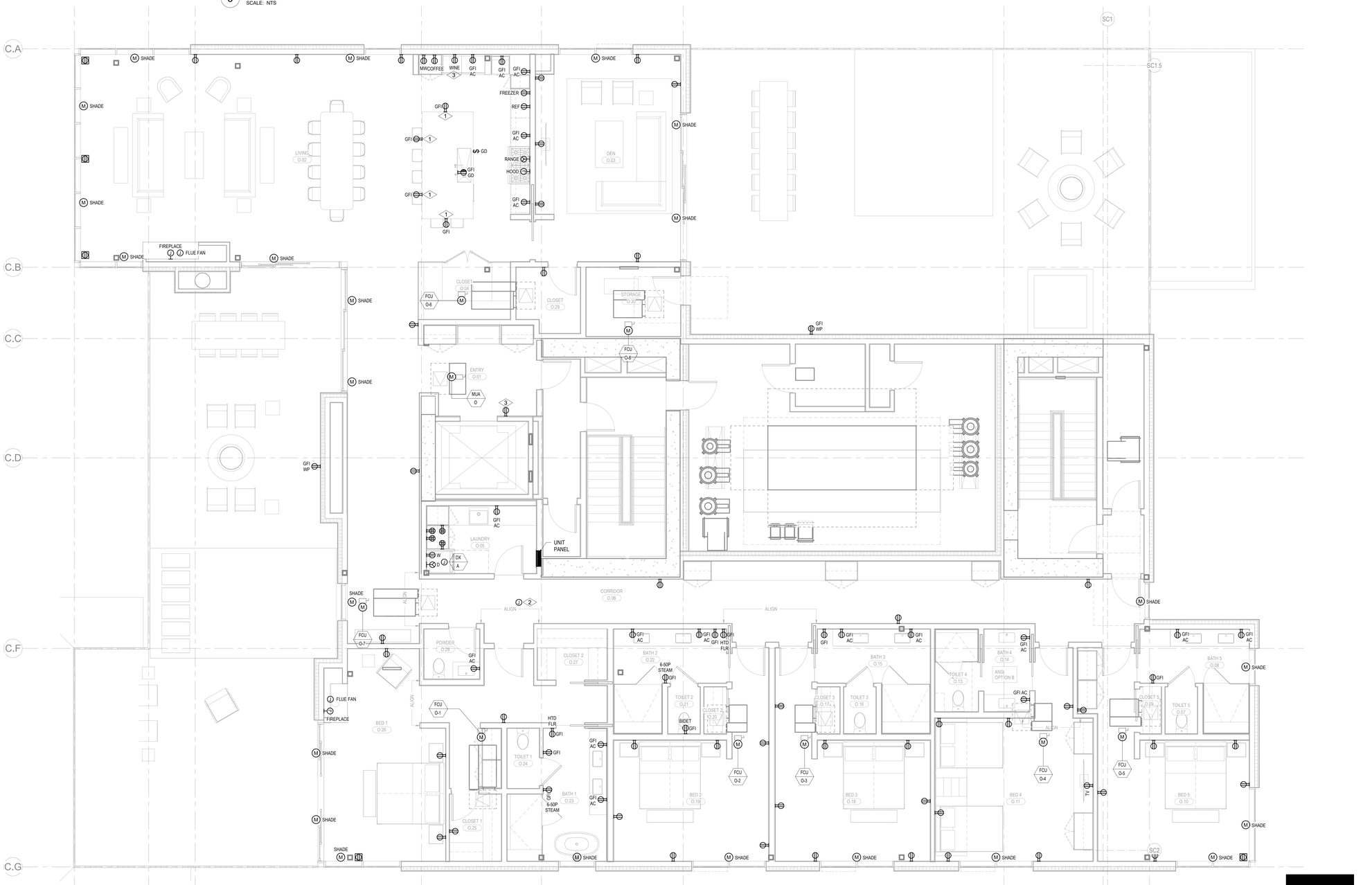
LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	5326 SF	3 VA/SF	15978 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	51245 VA	51245 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	23350 VA	23350 VA
SUB-TOTAL			95073 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			58039 VA

CONNECTED LOAD SUMMARY
95073 VA
264 AMPS

NEC LOAD SUMMARY
58039 VA
161 AMPS

3 PANEL SCHEDULE - UNIT O

SCALE: NTS



1 TOWER C - ELECTRICAL UNIT PLAN - O

SCALE: 1/4" = 1'-0"

0 1' 2' 3' 4' 8' 12'

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

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checked by Checker
job no.
date 07/15/2022

revisions:

no. date by

PROGRESS SET
07/15/2022

TOWER C ELECTRICAL POWER PLAN - UNIT O

E2.4.O

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

NUMBERED NOTES:

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

Unit P 1,458 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	4,374	
	b.	Small appliances (2 ckt.)	2	3,000	
	c	Laundry circuit	1	1,500	
	Total			8,874	8,874
2	Fixed Appliances:			25,045	25,045
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	3	2,550	
	b.	BATHROOM EF	4	200	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	-	-	
	h.	MUA (Small)	1	1,500	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			4,250	4,250
Total Load:					**51,169**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	2,056
2	Fixed appliance at 100%	25,045
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	4,250
Total Load:		**47,351**
Total amp at 208V, 3 phase		**132**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	14,768
3	Air Conditioning at 100%	4,250
Total Load:		**29,018**
Total amp at 208V, 3 phase		**81**

2 UNIT LOAD CALCULATION - UNIT P

SCALE: NTS

UNIT PANEL (2 BR)

BUSSING: 200A; 10,000 AIC SYMMETRICAL
MAIN: 200A/3P MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 + 2 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	SPARE	R
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	BEDROOM 2 REC	R
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	SPARE	R
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	POWDER RM REC	R
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	SPARE	
E		***		17			●	18	20/1	***	SPARE	E
R	KITCHEN AC REC	***	20/1	19	●			20		***		E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	SPARE	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	SPARE	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28		***		E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32		***		E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54		***		E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58		***		E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
TOTAL ALL PHASES (VA)		PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
***		***							***		***	

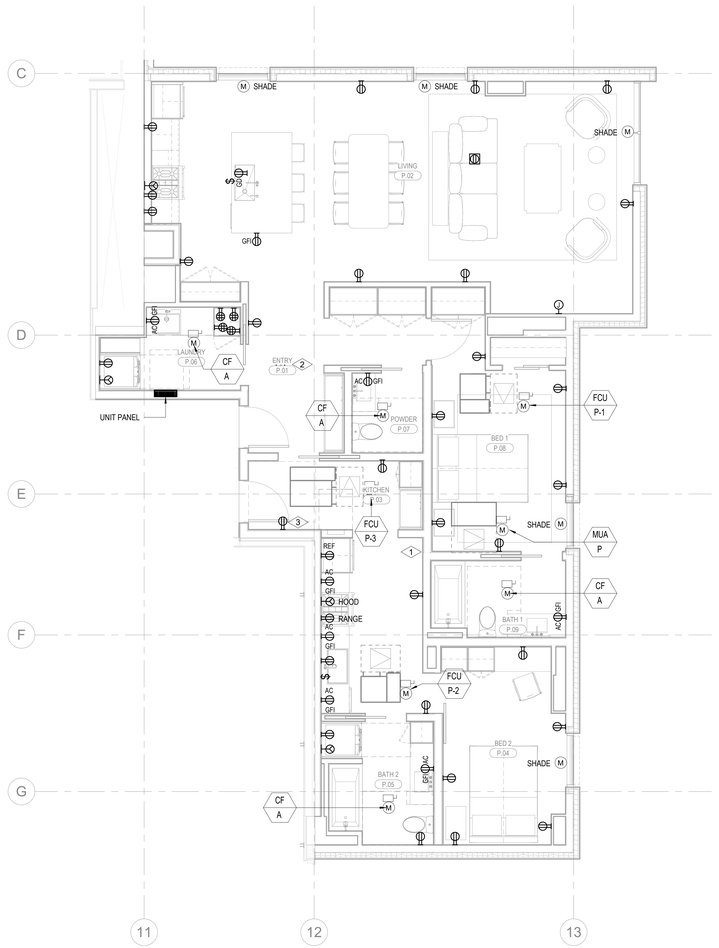
LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	1458 SF	3 VA/SF	4374 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	38045 VA	38045 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	4250 VA	4250 VA
SUB-TOTAL			51169 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			29018 VA

CONNECTED LOAD SUMMARY
51169 VA
142 AMPS

NEC LOAD SUMMARY
29018 VA
81 AMPS

3 PANEL SCHEDULE - UNIT P

SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT P

SCALE: 1/4" = 1'-0"

0 1" 2" 3" 4" 8" 12"

Reserved for permit stamp

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revisions:

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TOWER A/B ELECTRICAL POWER PLAN - UNIT P

E2.4.P

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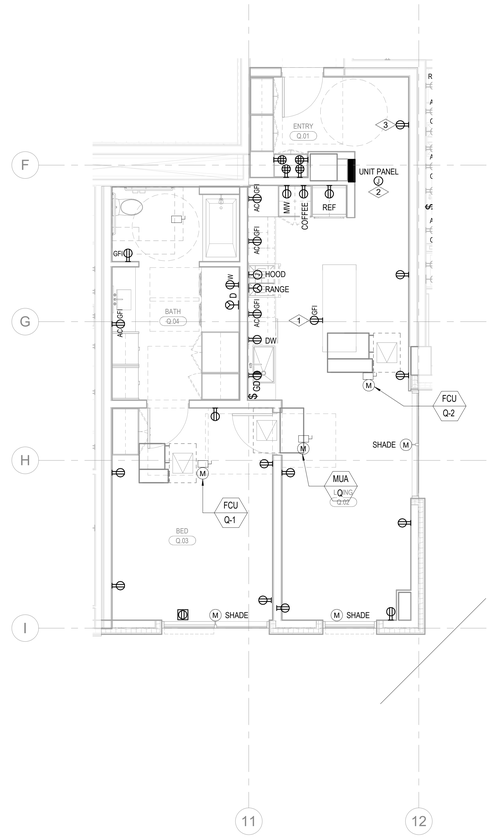
Unit Q **810 sq.ft.**

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	2,430	
	b.	Small appliances (2 ckt.)	2	3,000	
	c	Laundry circuit	1	1,500	
	Total			6,930	6,930
2	Fixed Appliances:			25,045	25,045
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	2	1,700	
	b.	BATHROOM EF	1	50	
	c.	0	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	MUA (Large)	-	-	
	h.	MUA (Small)	1	1,500	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			3,250	3,250
Total Load:					**48,225**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	1,376
2	Fixed appliance at 100%	25,045
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	3,250
Total Load:		**45,671**
Total amp at 208V, 3 phase		**127**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	13,990
3	Air Conditioning at 100%	3,250
Total Load:		**27,240**
Total amp at 208V, 1 phase		**131**

2 UNIT LOAD CALCULATION - UNIT Q
SCALE: NTS



1 TOWER A/B - ELECTRICAL PLAN - UNIT Q
SCALE: 1/4" = 1'-0"

UNIT PANEL (1 BR)

BUSSING: 100A, 10,000 AIC SYMMETRICAL — LOCATION: LAUNDRY ROOM
MAIN: 100A/3P MCB — MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	SPARE	
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	SPARE	
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	SPARE	
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	SPARE	
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	SPARE	
E		***		17			●	18	20/1	***	SPARE	E
R	KITCHEN AC REC	***	20/1	19	●			20		***		E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	SPARE	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	SPARE	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28		***		E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32		***		E
				33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54		***		E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58		***		E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
	TOTAL ALL PHASES (VA)	PHASE A (VA)							PHASE B (VA)		TOTAL ALL PHASES (AMPS)	
	***	***							***		***	

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	810 SF	3 VA/SF	2430 VA
SMALL APPLIANCE BRANCH CRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	38045 VA	38045 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	3250 VA	3250 VA
SUB-TOTAL			48225 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			27240 VA

CONNECTED LOAD SUMMARY
48225 VA
134 AMPS

NEC LOAD SUMMARY
27240 VA
76 AMPS

3 PANEL SCHEDULE - UNIT Q
SCALE: NTS

0 1' 2' 3' 4' 8' 12'

Reserved for permit stamp

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TOWER A/B ELECTRICAL POWER PLAN - UNIT Q

E2.4.Q

NUMBERED NOTES:

1 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

2 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT.

3 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

SHEET NOTES:

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B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

UNIT PANEL (1 BR)

BUSSING: 100A, 10,000 AIC SYMMETRICAL
MAIN: 100A/SP MCB
LOCATION: LAUNDRY ROOM
MOUNTING: RECESSED
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	LAUNDRY DRYER	***	30/2	1	●			2	20/1	***	BEDROOM 1 REC	R
M		***		3		●		4	20/1	***	LIVING ROOM REC	R
M	LAUNDRY WASHER	***	20/1	5			●	6	20/1	***	BATHROOM 1 REC	R
E	LAUNDRY REC	***	20/1	7	●			8	20/1	***	SPARE	
E	KITCHEN DISHWASHER	***	20/1	9		●		10	20/1	***	SPARE	
E	KITCHEN GARBAGE DISPENSER	***	20/1	11			●	12	20/1	***	SPARE	
E	KITCHEN HOOD	***	20/1	13	●			14	20/1	***	SPARE	
E	KITCHEN RANGE	***	50/2	15		●		16	20/1	***	SPARE	
E		***		17			●	18	20/1	***	SPARE	E
R	KITCHEN AC REC	***	20/1	19	●			20		***		E
R	KITCHEN AC REC	***	20/1	21		●		22		***		E
E	KITCHEN FREEZER	***	20/1	23			●	24	20/1	***	SPARE	E
E	KITCHEN COFFEE	***	20/1	25	●			26	20/1	***	SPARE	E
M	KITCHEN WINE FRIDGE	***	20/1	27		●		28		***		E
E	SMOKE ALARMS	***	20/1	29			●	30		***		E
				31	●			32		***		E
R	AV CLOSET	***	20/1	33		●		34	20/1	***	LIGHTING	L
R	AV CLOSET	***	20/1	35			●	36	20/1	***	LIGHTING	L
				37	●			38	20/1	***	SPARE	
				39		●		40	20/1	***	CF-A (EXHAUST FANS)	E
				41			●	42	20/2	***	FCU-1	E
		***	20/1	43	●			44		***		E
E	FIRE PLACE FLUE FAN	***	20/1	45		●		46	20/2	***	FCU-2	E
E	FIRE PLACE	***	20/1	47			●	48		***		E
E		***		49	●			50	20/2	***	FCU-3	E
E	MUA	***	30/3	51		●		52		***		E
E		***		53			●	54		***		E
M	MOTORIZED SHADES	***	20/1	55	●			56		***		E
M	MOTORIZED SHADES	***	20/1	57		●		58		***		E
M	MOTORIZED SHADES	***	20/1	59			●	60		***		E
TOTAL ALL PHASES (VA)		PHASE A (VA)						PHASE B (VA)		TOTAL ALL PHASES (AMPS)		
***		***						***		***		

LOAD SUMMARY (NEC 220.82 OPTIONAL METHOD)	QTY	LOAD	TOTAL
GENERAL LIGHTING	810 SF	3 VA/SF	2430 VA
SMALL APPLIANCE BRANCH CIRCUITS	2	1500 VA	3000 VA
LAUNDRY CIRCUIT	1	1500 VA	1500 VA
FIXED APPLIANCES (PER NEC 220.82(B)(3))	1	38040 VA	38040 VA
FIXED MOTOR LOADS (PER NEC 220.82(B)(4))	1	3250 VA	3250 VA
SUB-TOTAL			48225 VA
DEMAND (100% x 10000VA+ 40% X REMAINDER+ 100% HVAC)			27240 VA

CONNECTED LOAD SUMMARY
48225 VA
134 AMPS

NEC LOAD SUMMARY
27240 VA
76 AMPS

3 PANEL SCHEDULE - UNIT R
SCALE: NTS

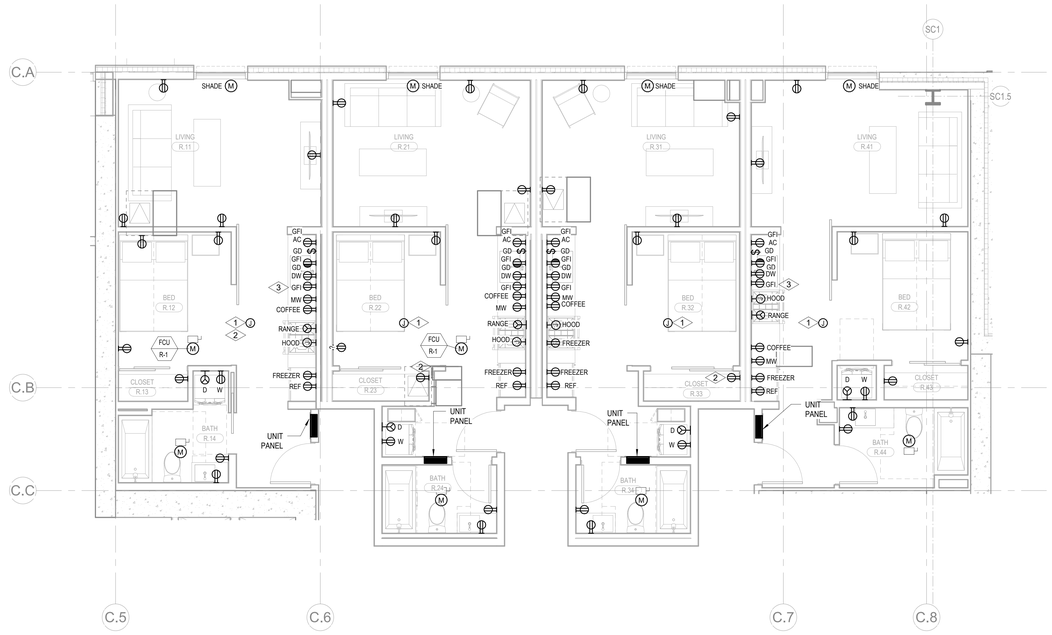
Unit R 425 sq.ft.

Load Description			VA/sq.ft. (or quantity)	VA	Total VA
1	General Lighting:				
	a.	General lighting & receptacles	3	1,275	
	b.	Small appliances (2 ckt.)	2	3,000	
	c.	Laundry circuit	1	1,500	
	Total			5,775	5,775
2	Fixed Appliances:			23,845	23,845
3	Cooking (Electric)		1	8,000	8,000
4	Clothes Dryer:		1	5,000	5,000
5	HVAC				
	a.	FCU	2	1,600	
	b.	BATHROOM EF	2	100	
	c.	MUA (LARGE)	-	-	
	d.	0	-	-	
	e.	0	-	-	
	f.	0	-	-	
	g.	0	-	-	
	h.	0	-	-	
	i.	--	-	-	
	j.	--	-	-	
	k.	0	-	-	
	l.	Watts per square foot	-	-	
	Total			1,700	1,700
Total Load:					**44,320**

Application of Demand Factor:		
1	General Lighting:	
	a. 3000VA at 100%	3,000
	b. Remaining load at 35%	971
2	Fixed appliance at 100%	23,845
3	Electric cooking (NEC Table 220-55)	8,000
4	Clothes Dryer (NEC Table 220-54)	5,000
5	HVAC at 100%	1,700
Total Load:		**42,516**
Total amp at 208V, 3 phase		**118**

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	13,048
3	Air Conditioning at 100%	1,700
Total Load:		**24,748**
Total amp at 208V, 3 phase		**69**

2 UNIT LOAD CALCULATION - UNIT R
SCALE: NTS



1 TOWER C - ELECTRICAL UNIT PLAN - R
SCALE: 1/4" = 1'-0"

0 1" 2" 3" 4" 8" 12"

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TOWER C ELECTRICAL POWER PLAN - UNIT R

E2.4.R

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D. REFER TO LUMINAIRE SCHEDULE FOR INFORMATION.

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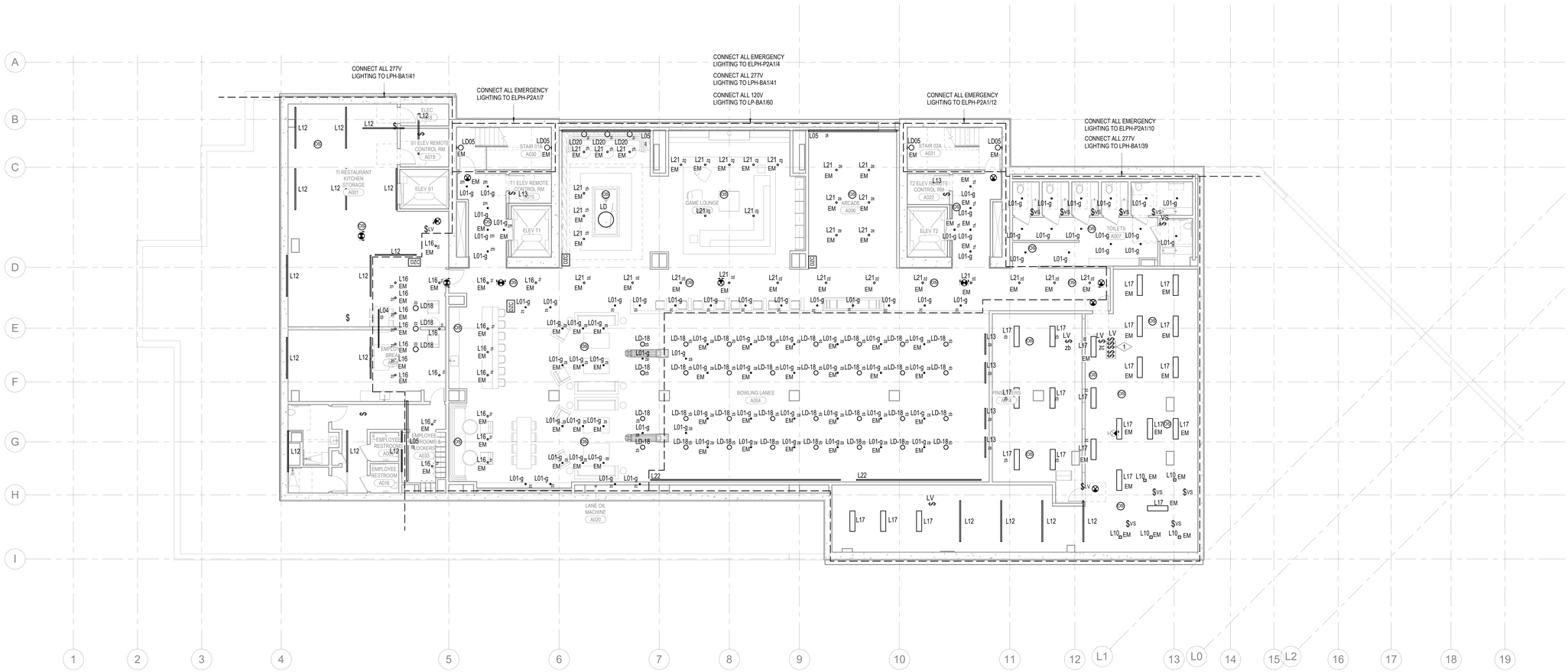
F. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

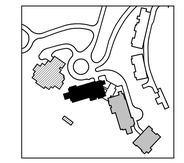
G. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

NUMBERED NOTES:

1 MASTER LIGHTING CONTROL OVERRIDE KEYPAD FOR EXTERIOR LIGHTING AND INTERIOR LIGHTING, TO OVERRIDE TIMECLOCK FUNCTION. EXACT LOCATION IS TO BE COORDINATED WITH AND CONFIRMED BY OWNER PRIOR TO INSTALLATION.



1 TOWER A - LEVEL B1 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



N 0 2' 4' 6' 8' 16' 24'

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TOWER A - LVL B1 ELECTRICAL LIGHTING PLAN

E3.2A.01

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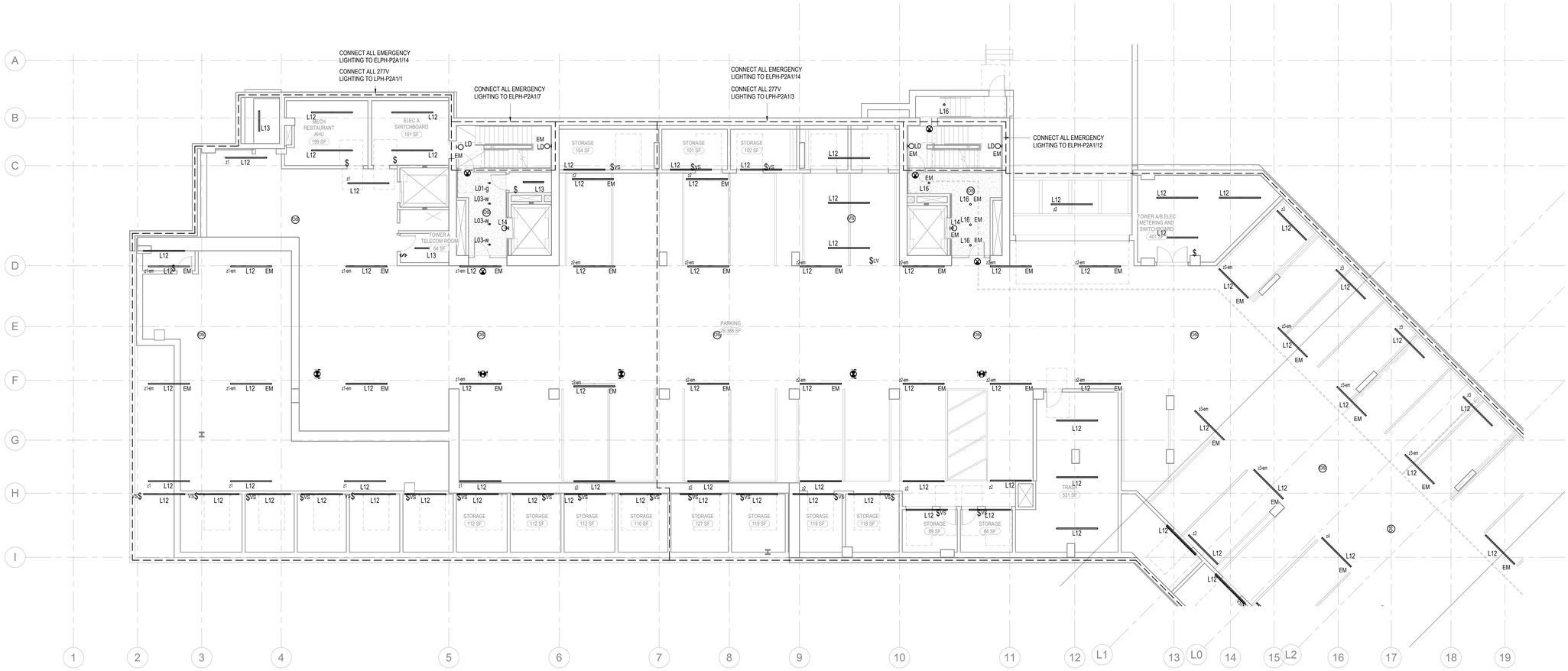
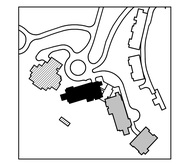


1 TOWER A - PARKING LEVEL 2 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



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TOWER A - LVL P2
ELECTRICAL LIGHTING
PLAN

E3.2A.02

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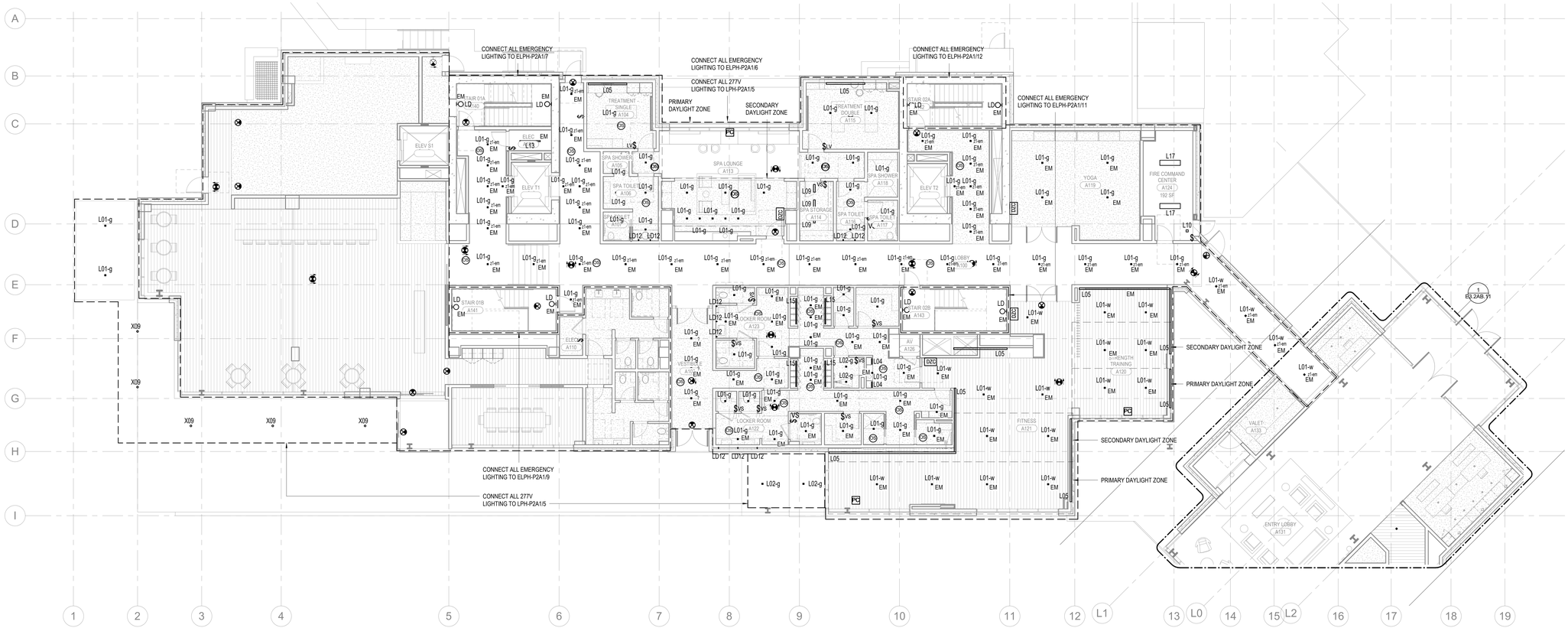
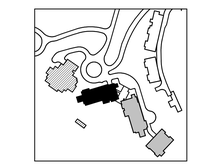
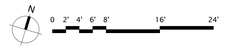


1 TOWER A - LEVEL 1 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"





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TOWER A - LVL 1
ELECTRICAL LIGHTING
PLAN

E3.2A.11

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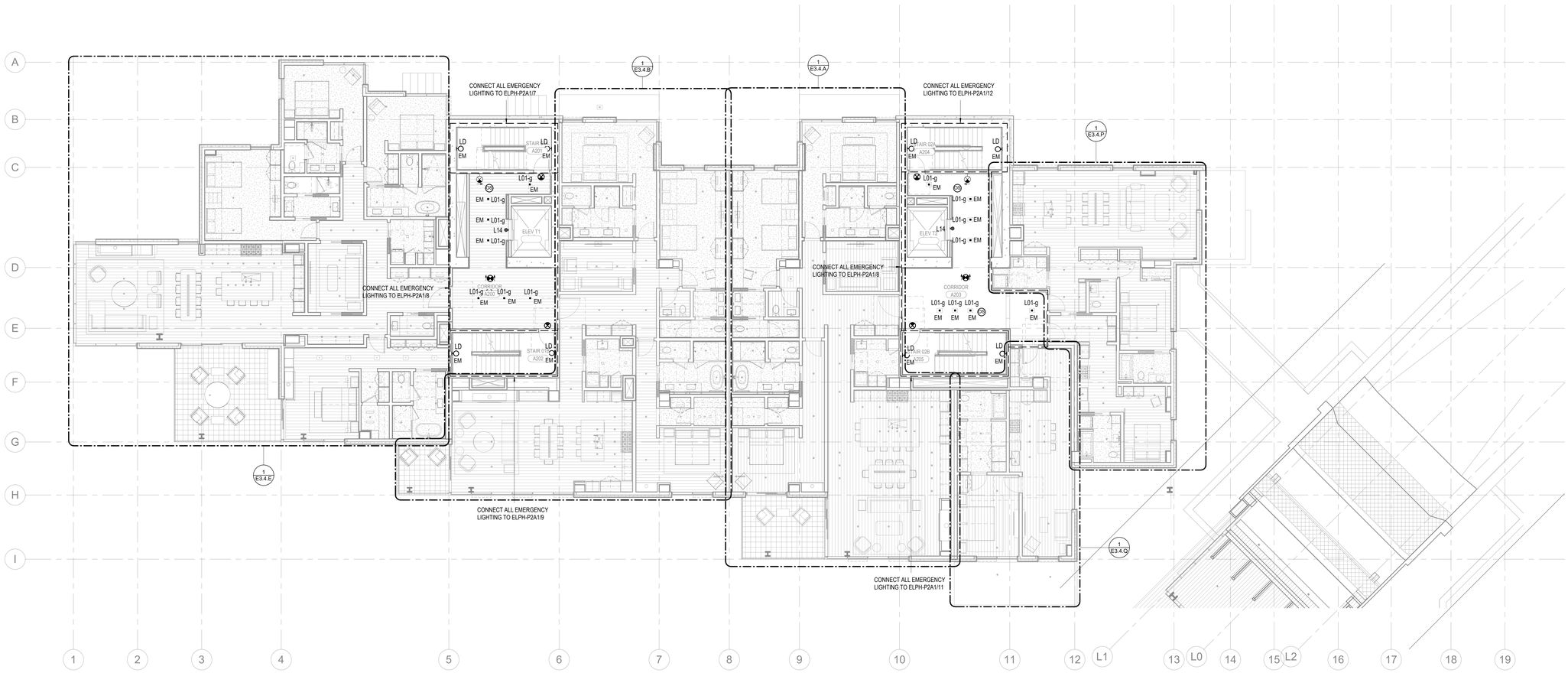
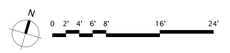


1 TOWER A - LEVEL 2 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



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TOWER A - LVL 2 ELECTRICAL LIGHTING PLAN

E3.2A.12

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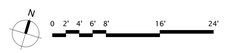
1 TOWER A - LEVEL 3 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



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TOWER A - LVL 3 ELECTRICAL LIGHTING PLAN

E3.2A.13

SHEET NOTES:

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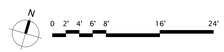
1 TOWER A - LEVEL 4 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



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TOWER A - LVL 4 ELECTRICAL LIGHTING PLAN

E3.2A.14

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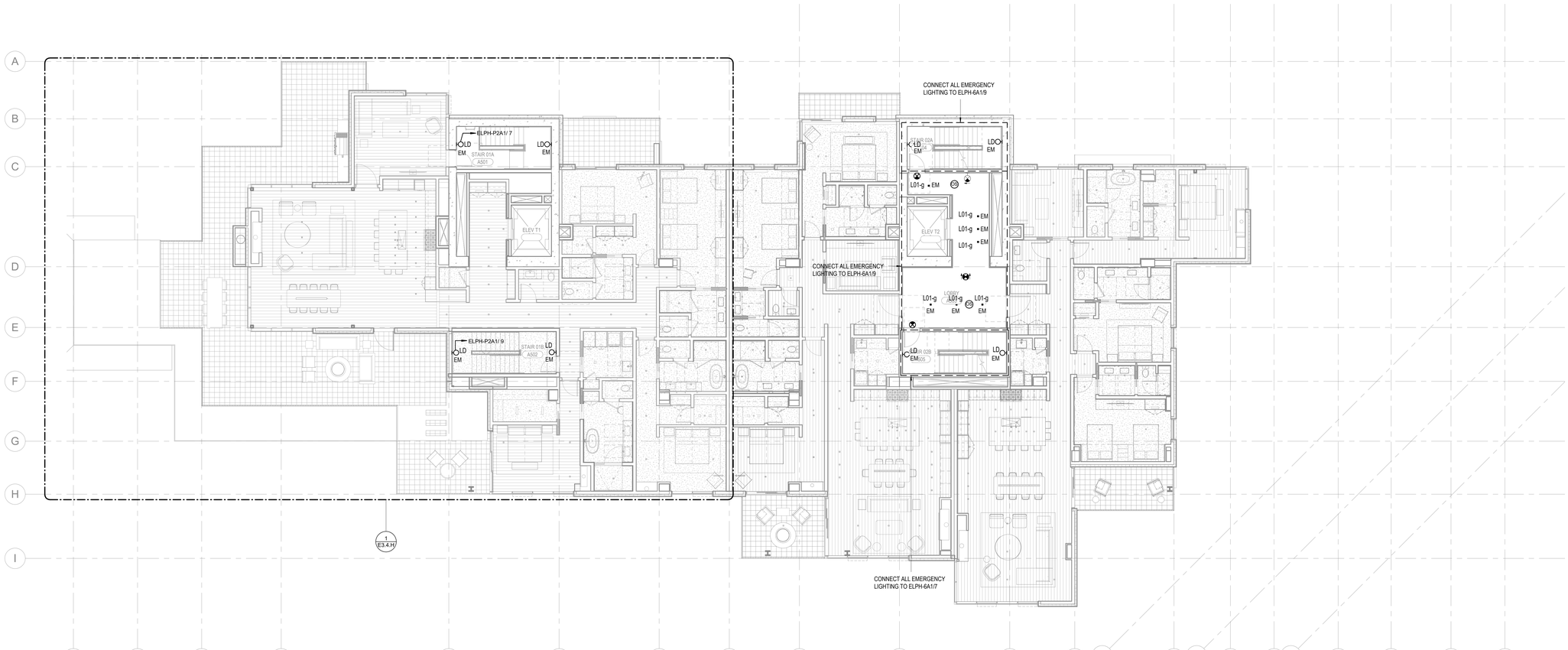

1 TOWER A - LEVEL 5 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"

N 0 2" 4" 6" 8" 16" 24"

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TOWER A - LVL 5 ELECTRICAL LIGHTING PLAN

E3.2A.15

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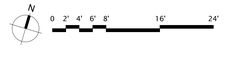
SCALE: 1/8" = 1'-0"



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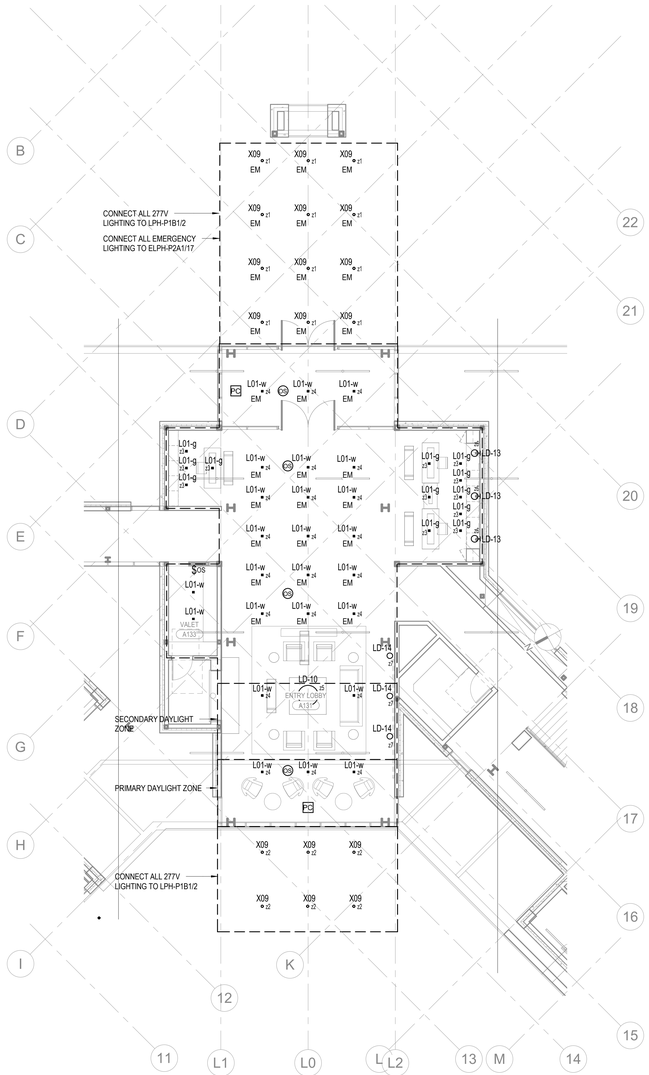
TOWER A - LVL 6 ELECTRICAL LIGHTING PLAN

E3.2A.16



1 TOWER A/B - LEVEL 1 LOBBY ELECTRICAL LIGHTING
SCALE: 1/8" = 1'-0"

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ELECTRICAL LIGHTING PLAN TOWER AB LOBBY

E3.2AB.11

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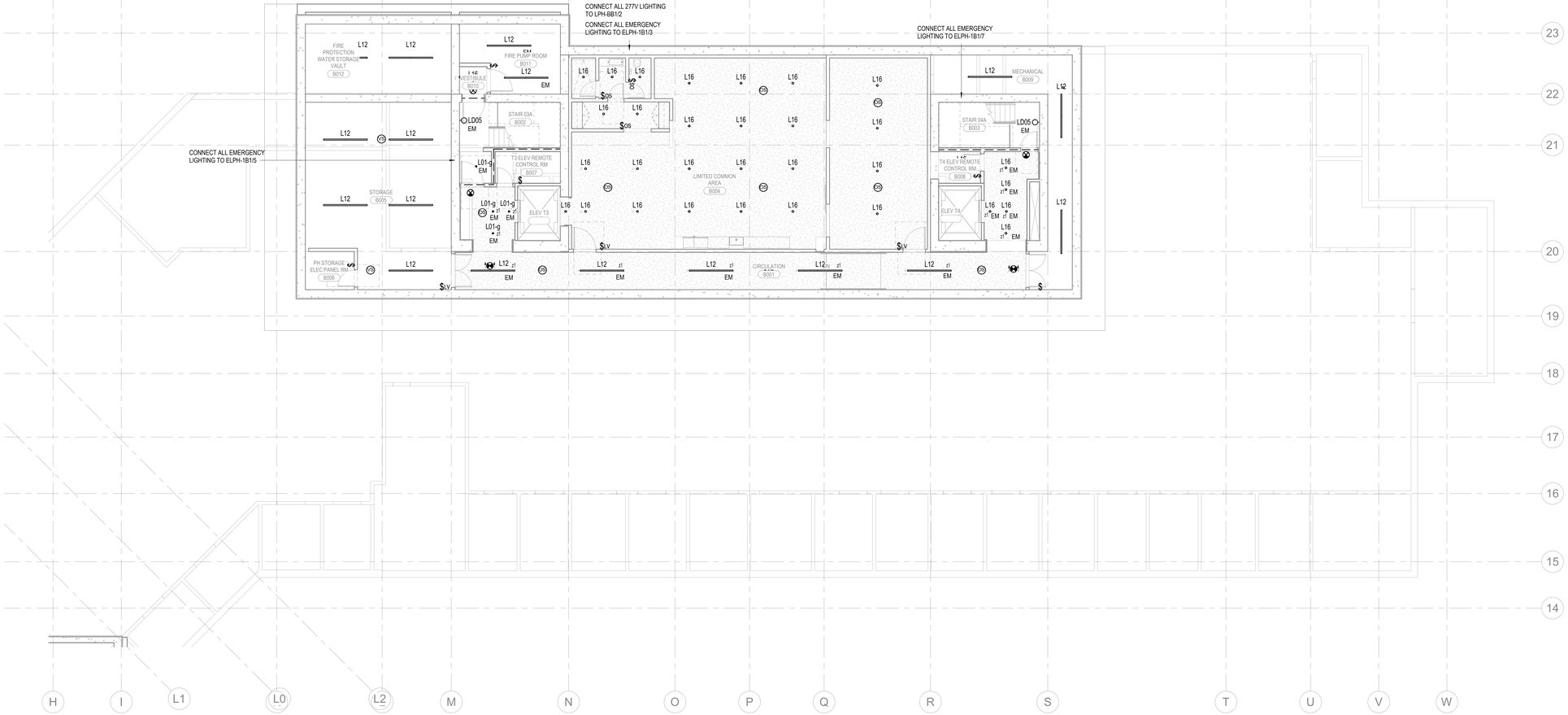
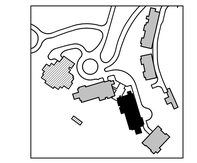
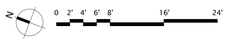


1 TOWER B LEVEL B1 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"





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TOWER B - LVL B ELECTRICAL LIGHTING PLAN

E3.2B.01

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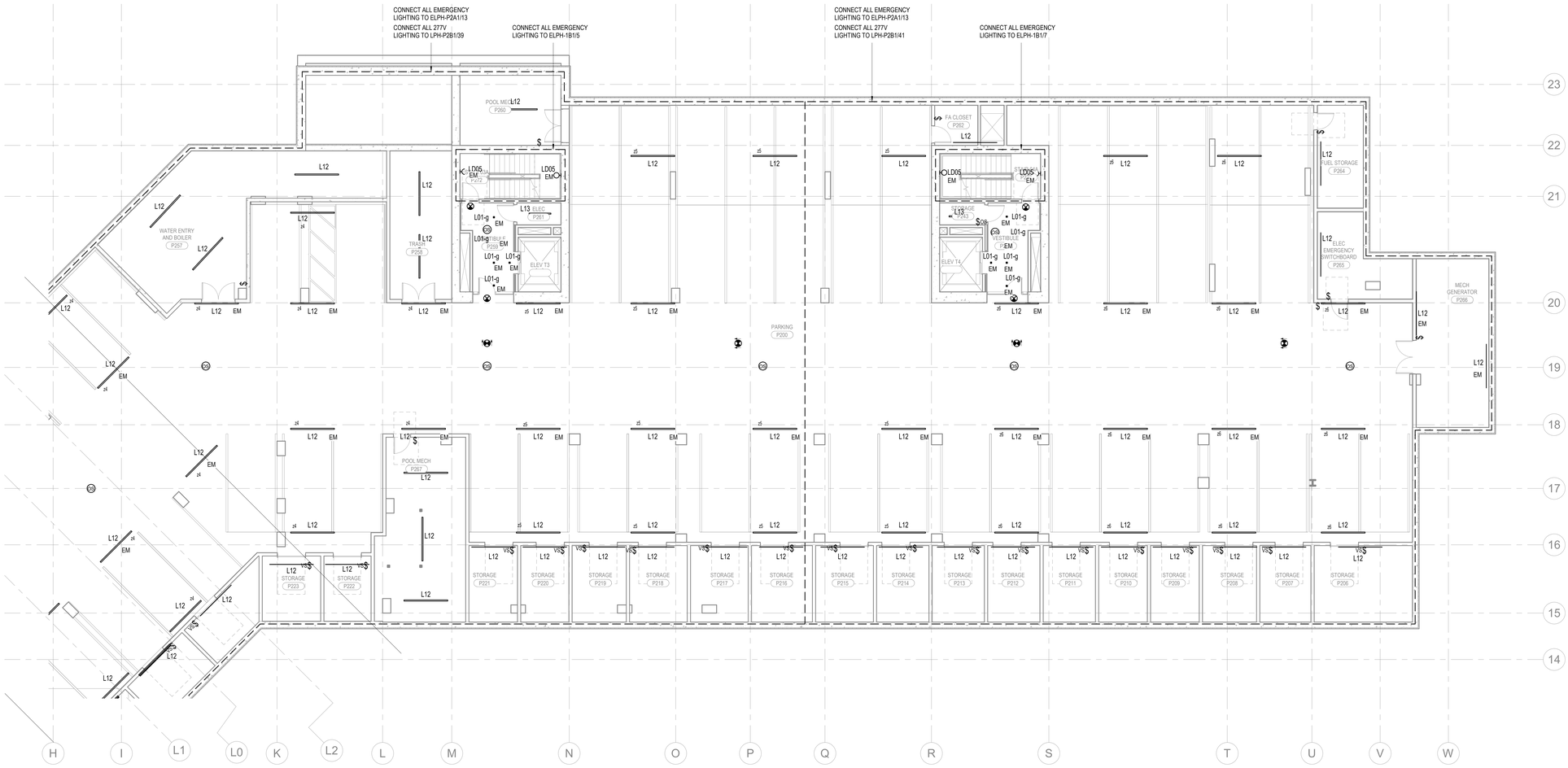
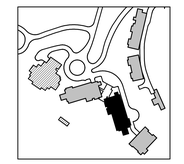


1 TOWER B - PARKING LEVEL 2 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



N 0 2' 4' 8' 16' 24'

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TOWER B - LVL P2
ELECTRICAL LIGHTING PLAN

E3.2B.02

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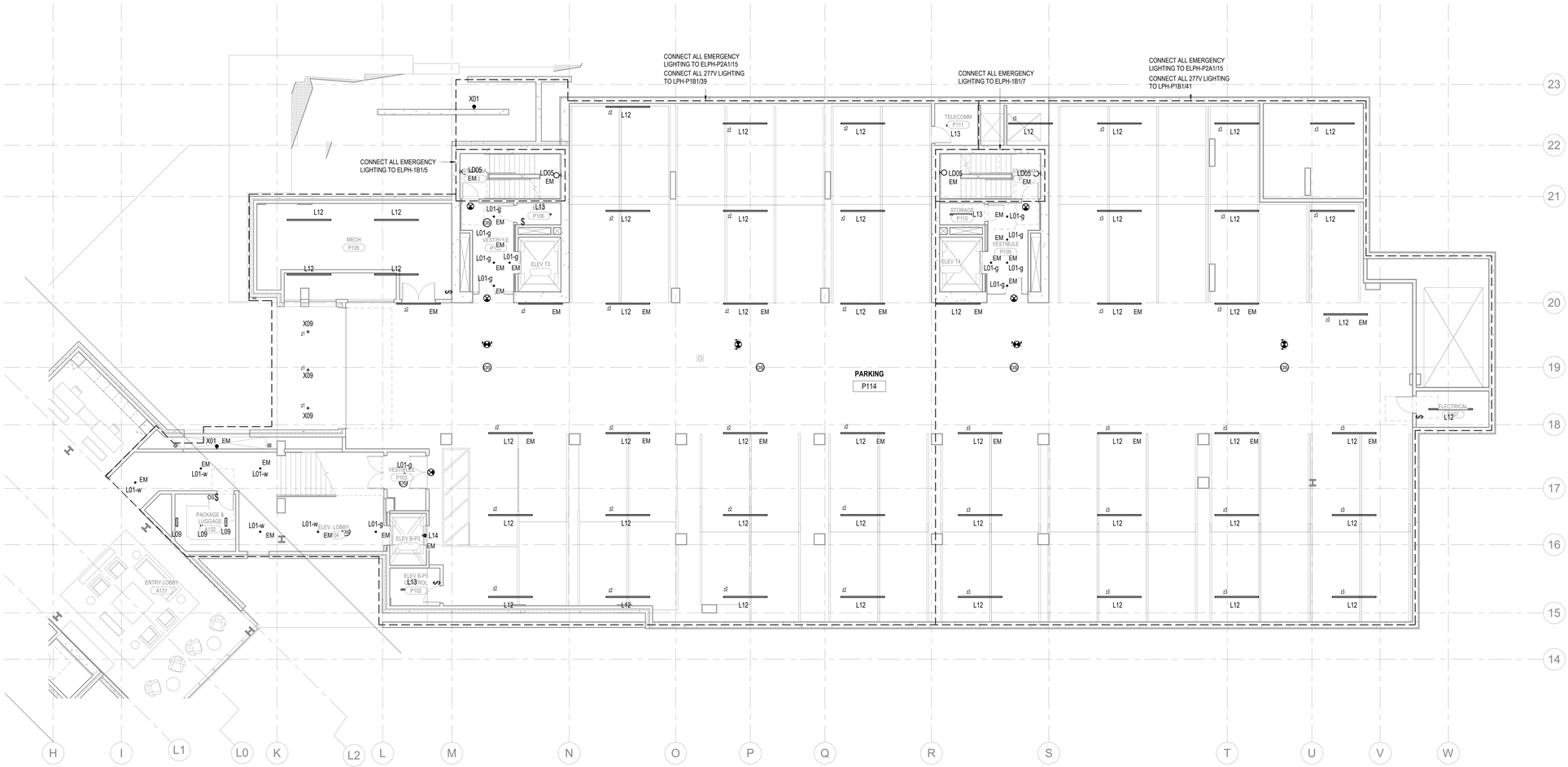
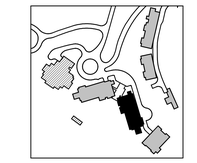


1 TOWER B - PARKING LEVEL 1 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



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TOWER B - LVL P1
ELECTRICAL LIGHTING
PLAN

E3.2B.03

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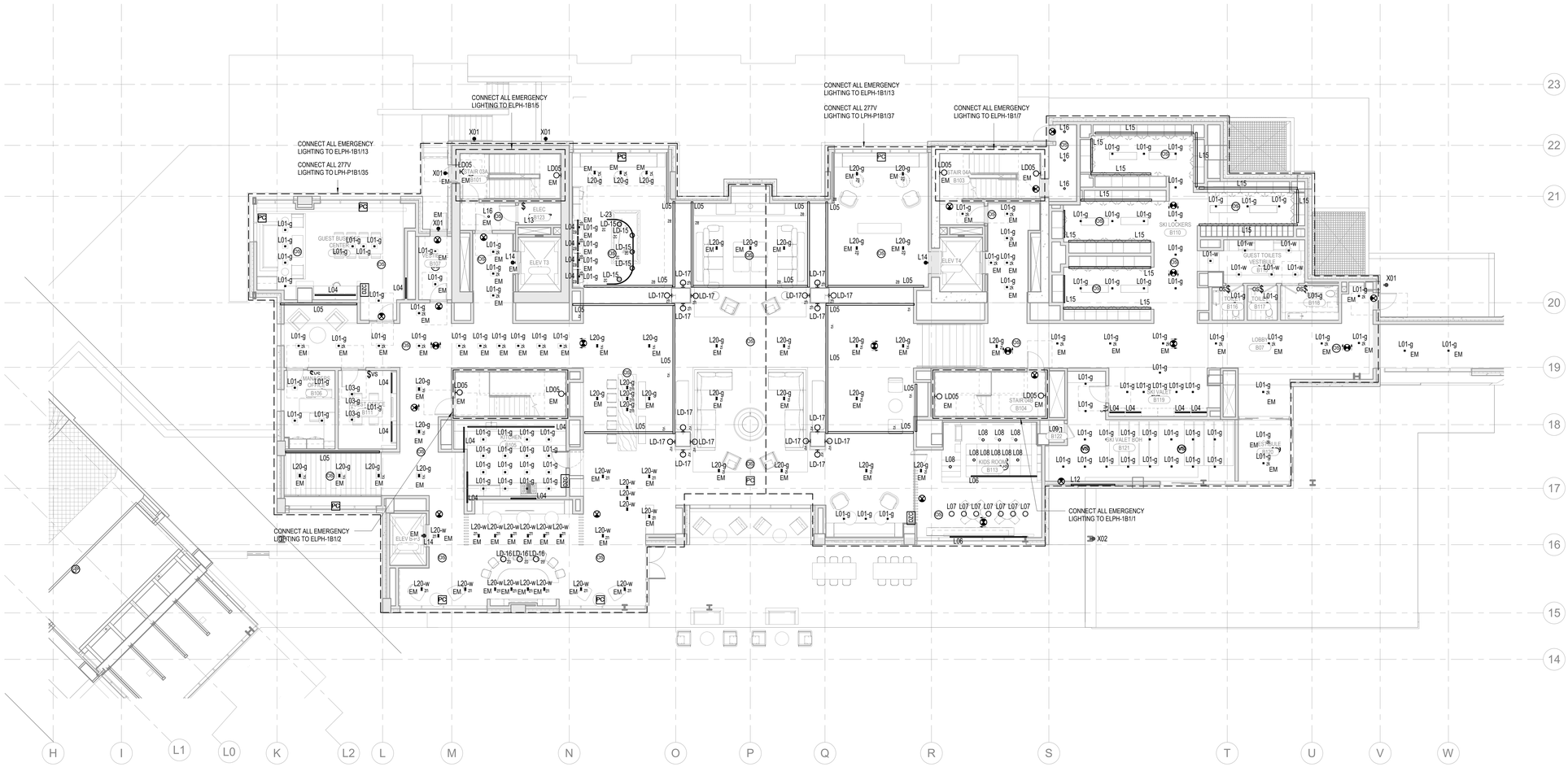
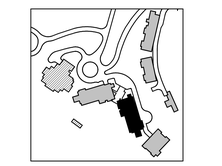
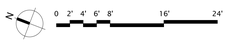


1 TOWER B - LEVEL 1 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"





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TOWER B - LVL 1 ELECTRICAL LIGHTING PLAN

E3.2B.11

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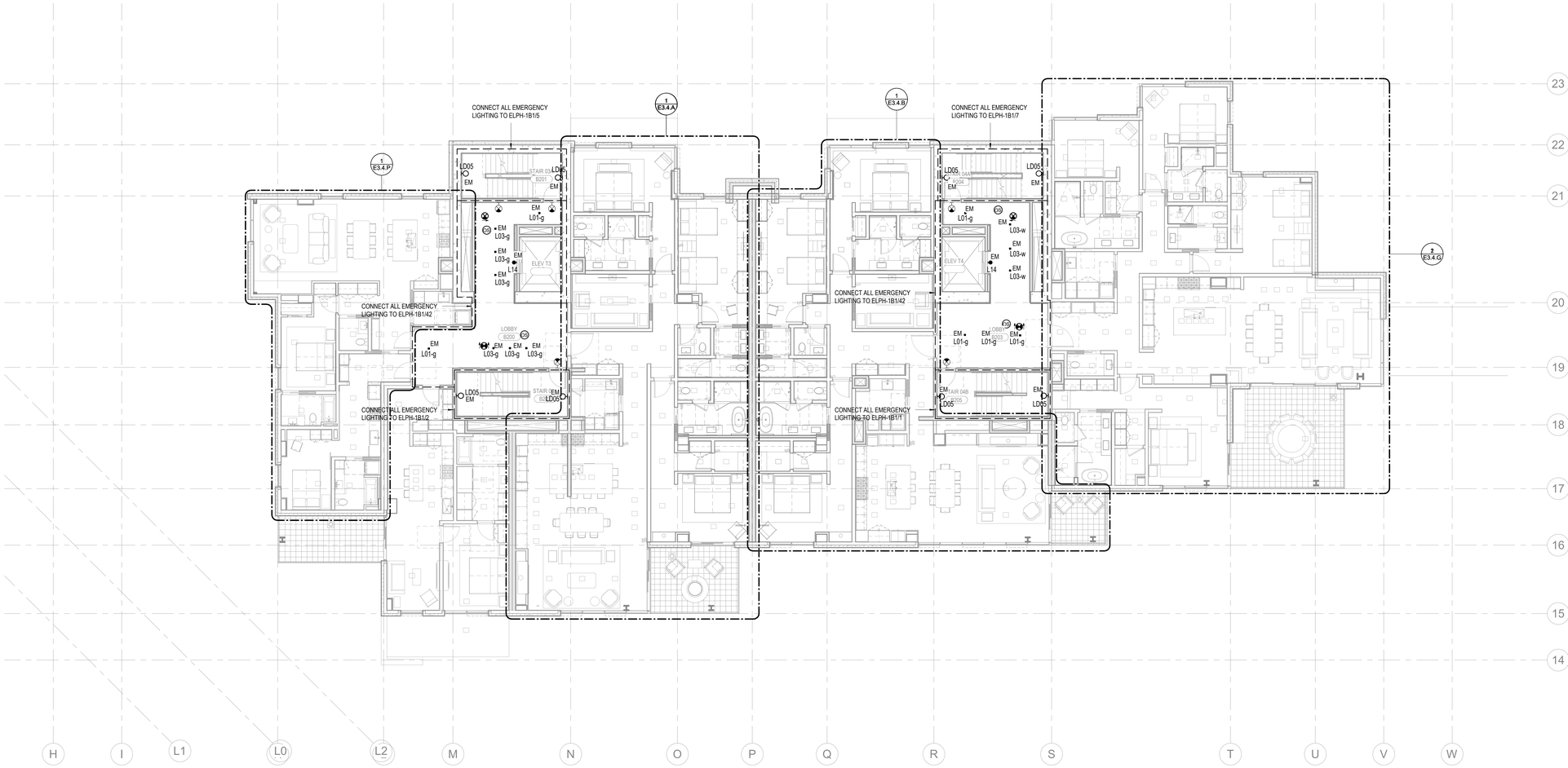
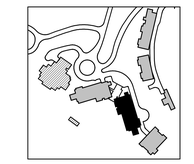


1 TOWER B - LEVEL 2 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



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TOWER B - LVL 2 ELECTRICAL LIGHTING PLAN

E3.2B.12

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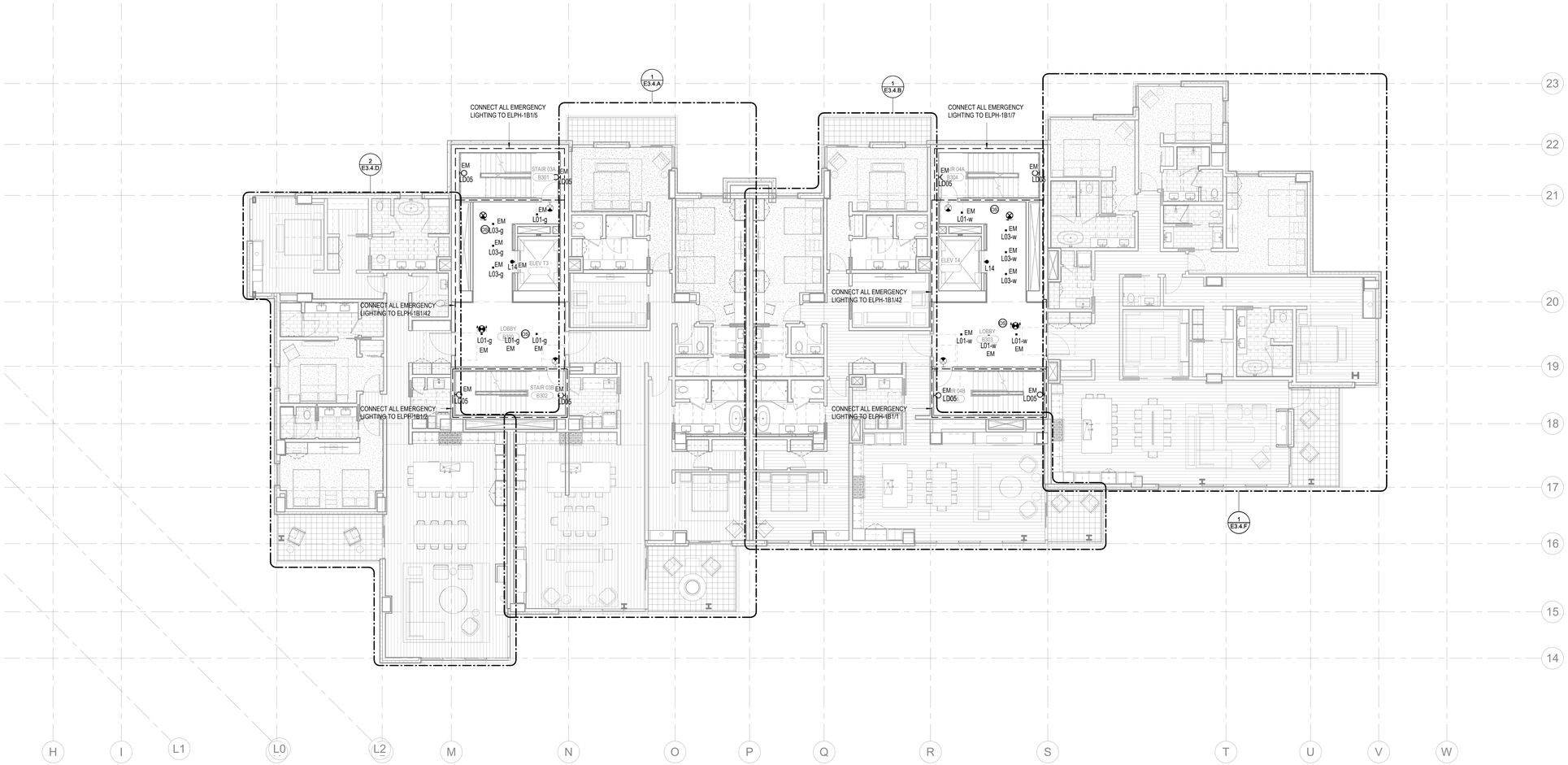
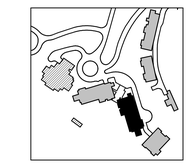
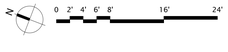


1 TOWER B - LEVEL 3 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"





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TOWER B - LVL 3 ELECTRICAL LIGHTING PLAN

E3.2B.13

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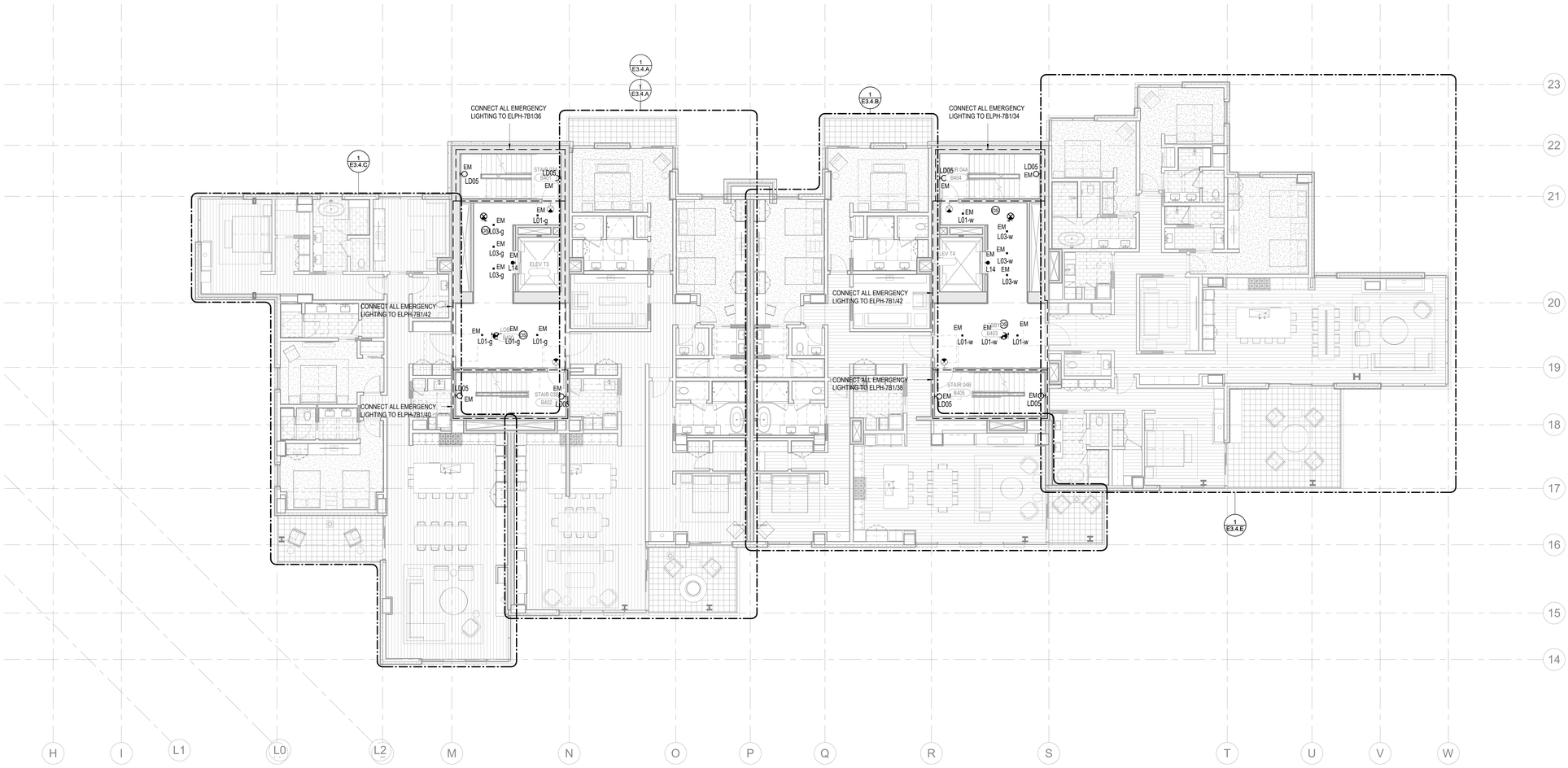
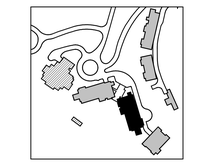
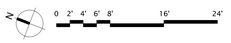


1 TOWER B - LEVEL 4 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"





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TOWER B - LVL 4 ELECTRICAL LIGHTING PLAN

E3.2B.14

SHEET NOTES:

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR COMMENCEMENT WITH WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.
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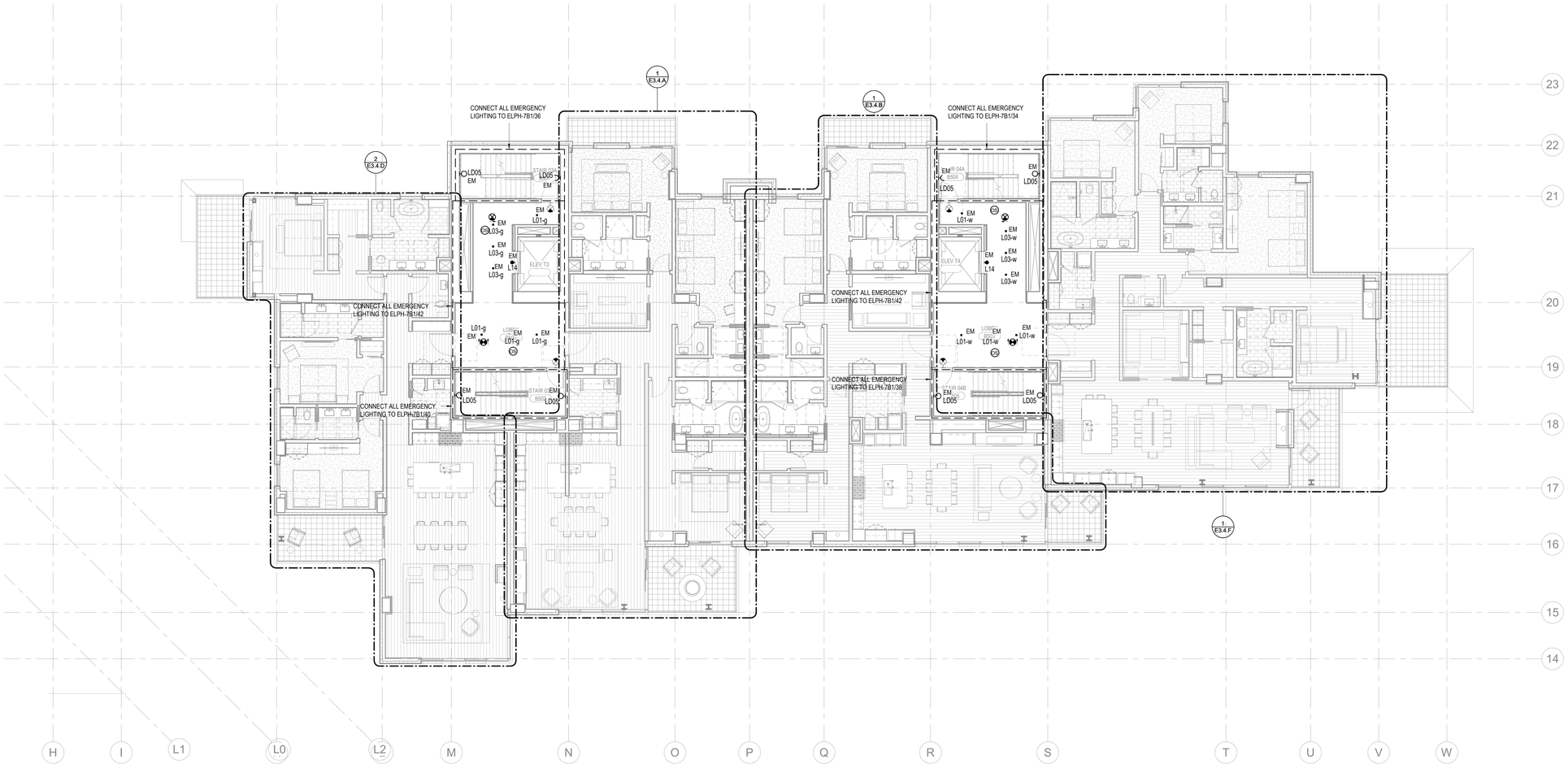
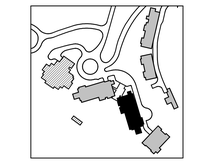


1 TOWER B - LEVEL 5 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"



N 0 2' 4' 8' 16' 24'

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date 07/15/2022

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TOWER B - LVL 5 ELECTRICAL LIGHTING PLAN

E3.2B.15

SHEET NOTES:

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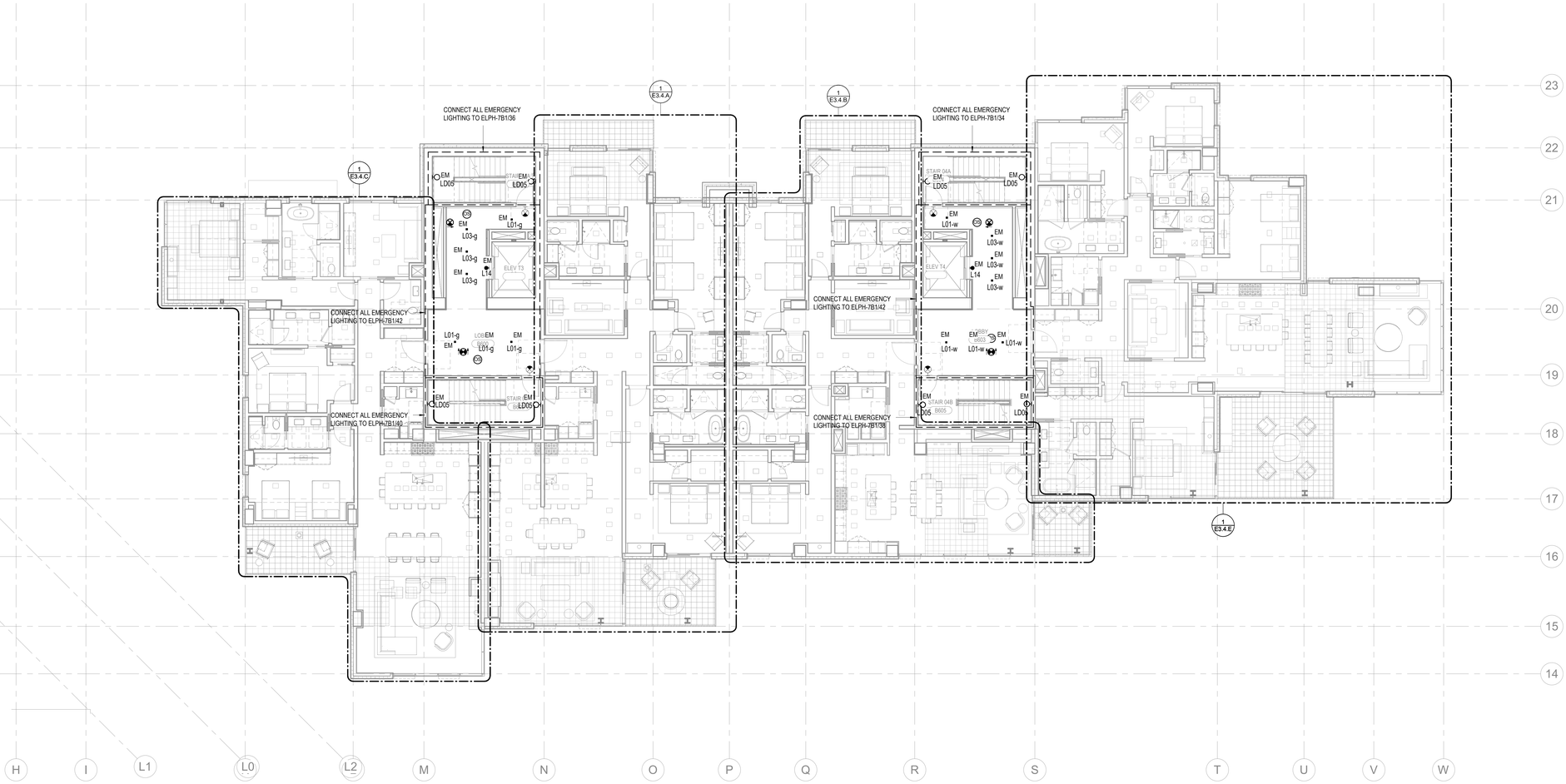
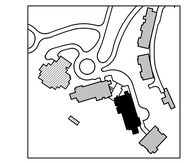
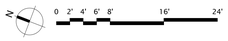


1 TOWER B - LEVEL 6 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"





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TOWER B - LVL 6 ELECTRICAL LIGHTING PLAN

E3.2B.16

SHEET NOTES:

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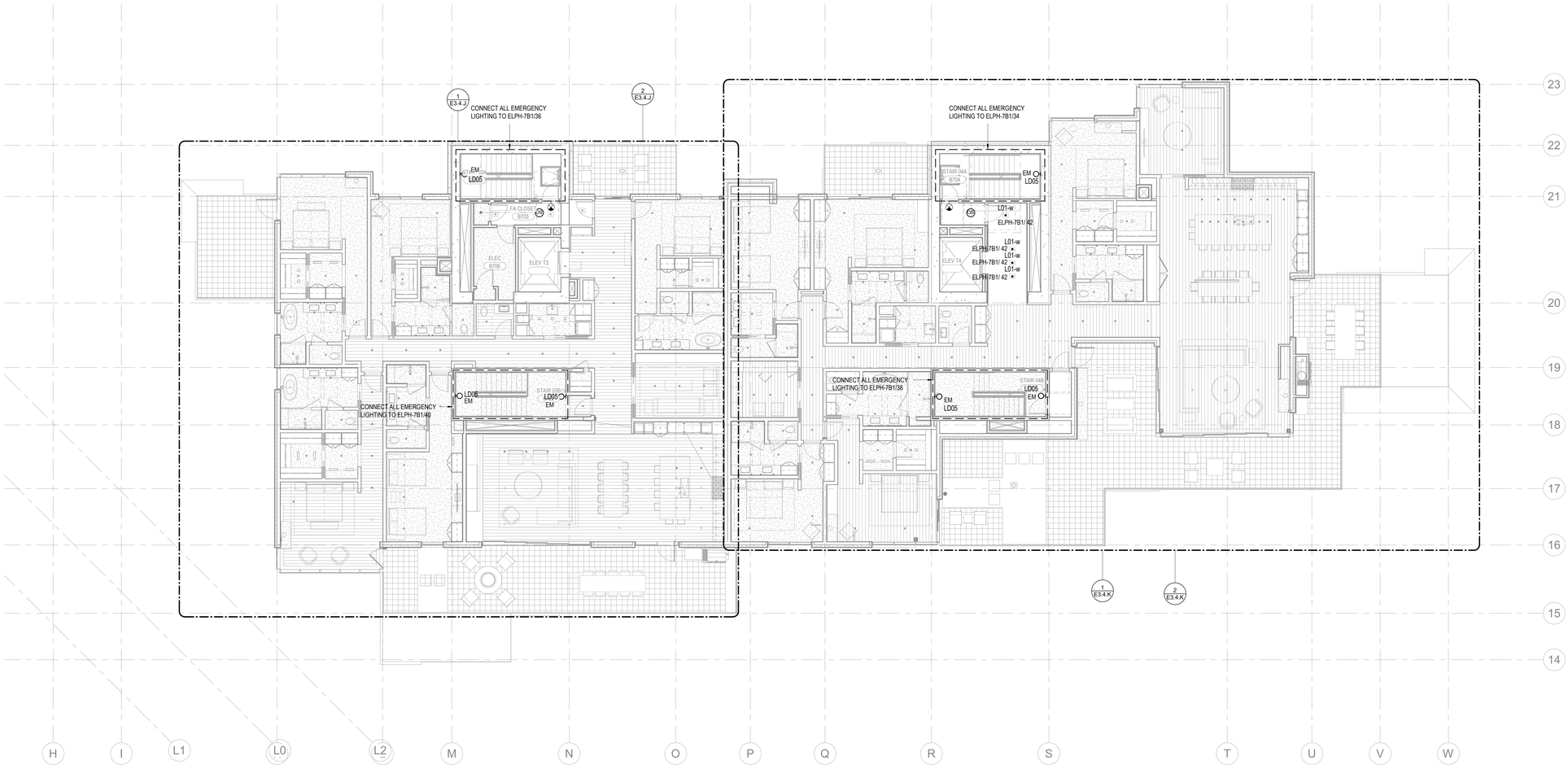
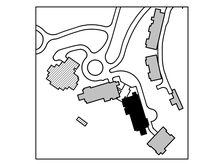
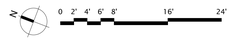


1 TOWER B - LEVEL 7 ELECTRICAL LIGHTING RCP
SCALE: 1/8" = 1'-0"





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date 07/15/2022

revisions:

no. date by

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TOWER B - LVL 7 ELECTRICAL LIGHTING PLAN

E3.2B.17

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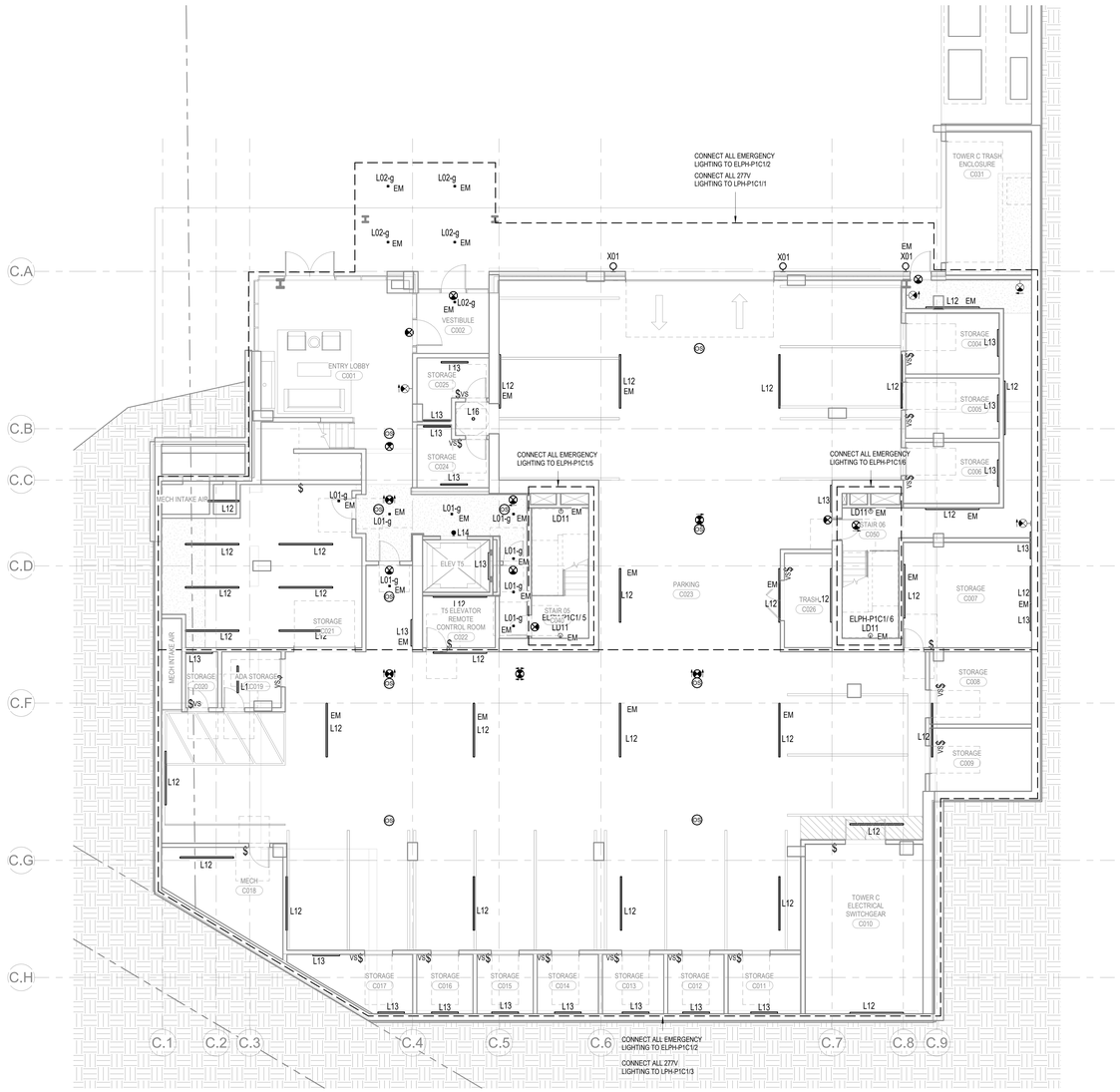
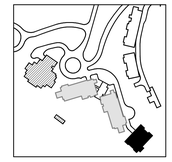


1 PARKING LIGHTING PLAN
SCALE: 1/8" = 1'-0"



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TOWER C - LVL P1
ELECTRICAL LIGHTING PLAN

E3.3C.01

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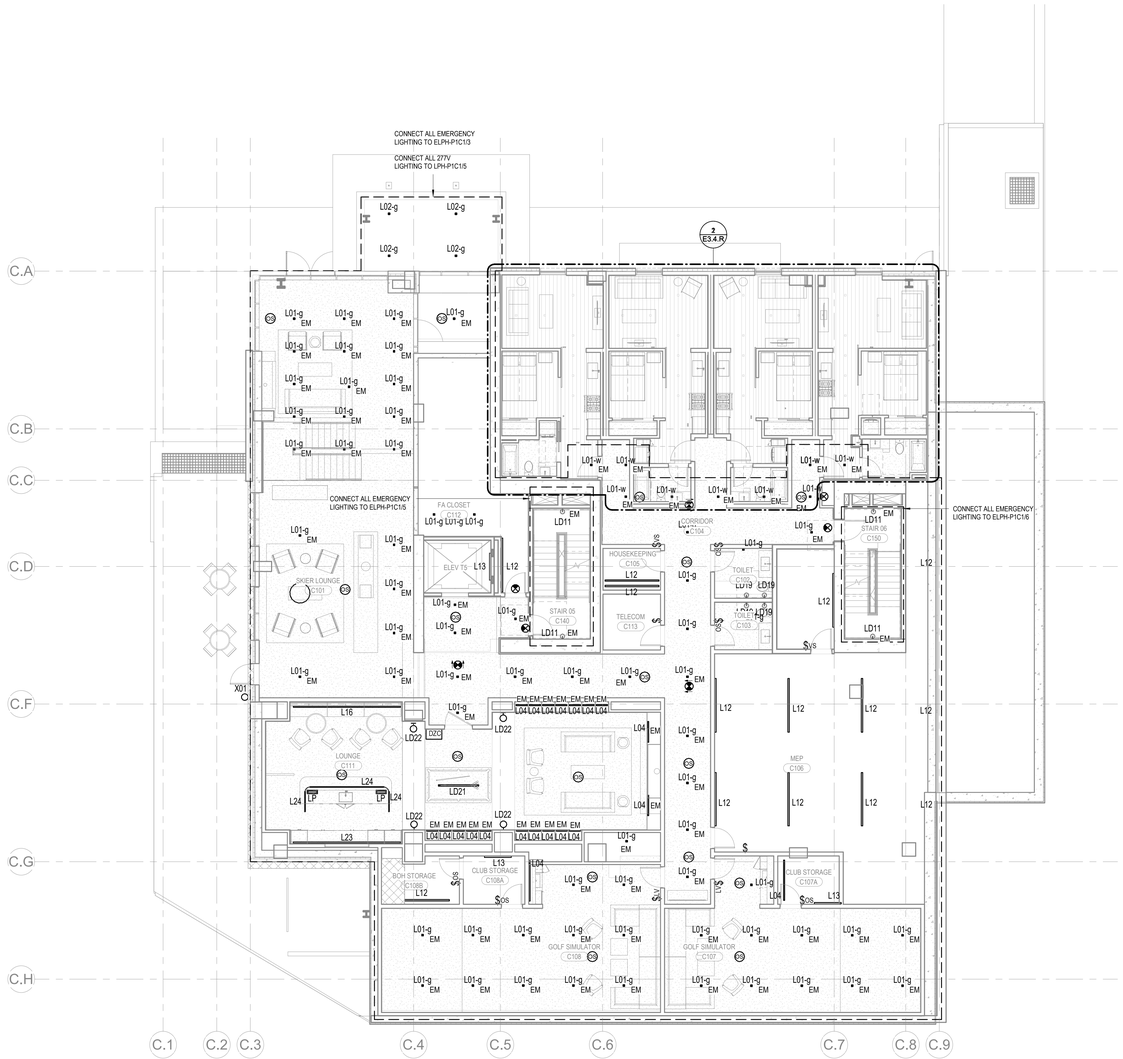
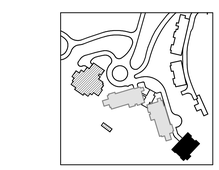
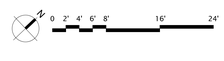


1 LEVEL 1 - LIGHTING PLAN
SCALE: 1/8" = 1'-0"





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TOWER C - LVL 1
ELECTRICAL LIGHTING
PLAN

E3.3C.11

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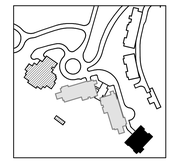
NUMBERED NOTES:

1 LEVEL 2 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



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TOWER C - LVL 2 ELECTRICAL LIGHTING PLAN

E3.3C.12

SHEET NOTES:

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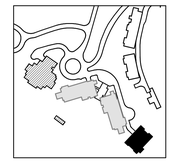
F. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.
G. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

NUMBERED NOTES:

1 LEVEL 3 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



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drawn by
checked by Checker
job no.
date 07/15/2022

revisions:

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TOWER C - LVL 3 ELECTRICAL LIGHTING PLAN

E3.3C.13

SHEET NOTES:

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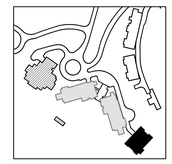
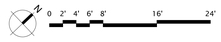
G. ELECTRICAL CONDUITS AND JUNCTION BOXES IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.

(#) NUMBERED NOTES:

1 LEVEL 4 LIGHTING PLAN
SCALE: 1/8" = 1'-0"





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TOWER C - LVL 4
ELECTRICAL LIGHTING
PLAN

E3.3C.14

SHEET NOTES:

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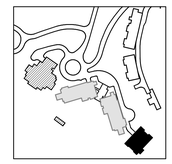
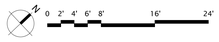
1 LEVEL 5 LIGHTING PLAN
SCALE: 1/8" = 1'-0"





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TOWER C - LVL 5
ELECTRICAL LIGHTING PLAN

E3.3C.15

SHEET NOTES:

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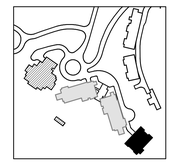
NUMBERED NOTES:

1 LEVEL 6 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



N 0 2' 4' 6' 8' 16' 24'

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TOWER C - LVL 6
ELECTRICAL LIGHTING PLAN

E3.3C.16

SHEET NOTES:

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NUMBERED NOTES:

1 LEVEL 7 LIGHTING PLAN
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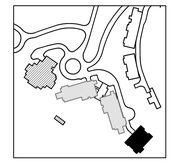

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TOWER C - LVL 7 ELECTRICAL LIGHTING PLAN

E3.3C.17

SHEET NOTES:

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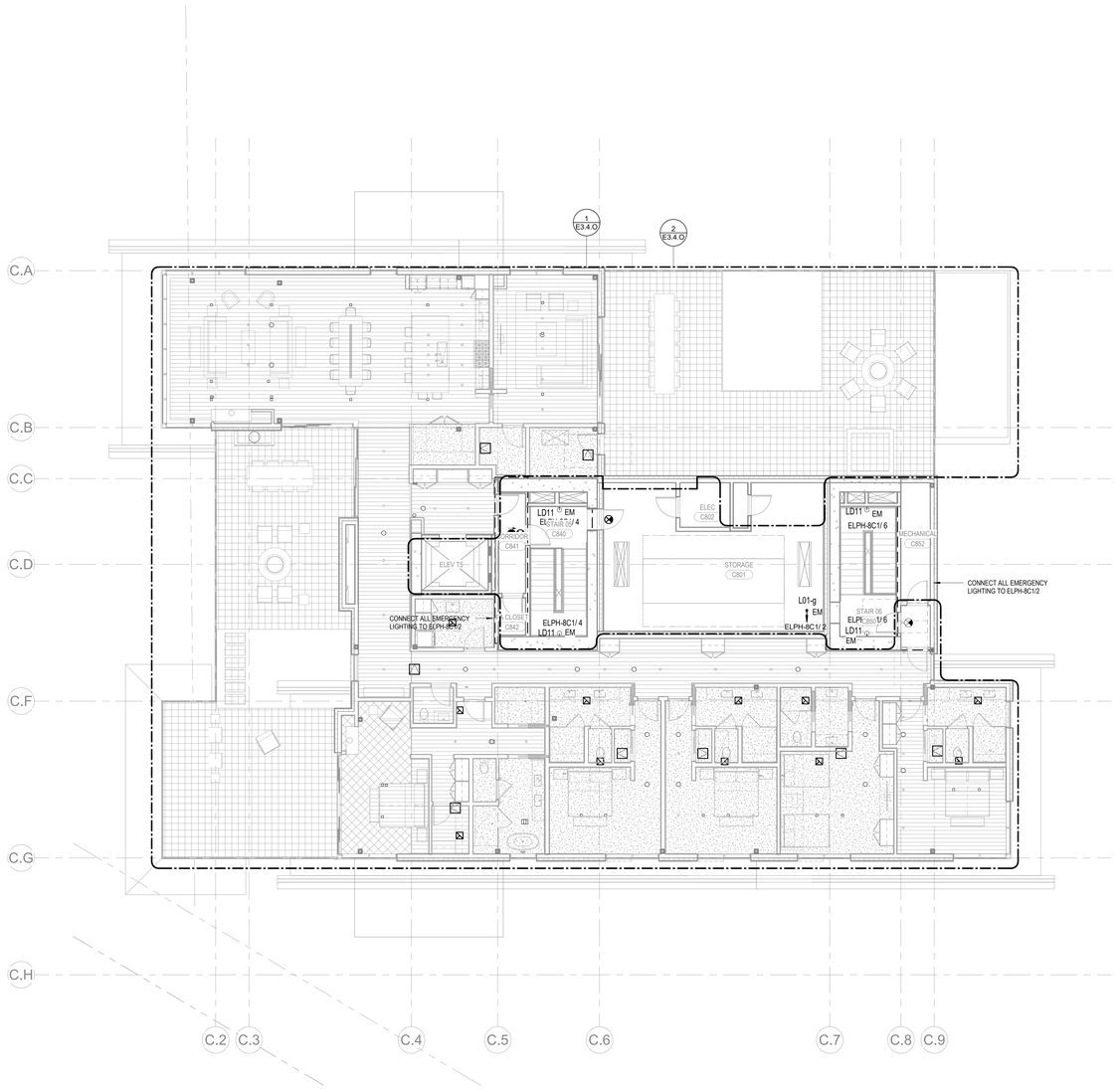
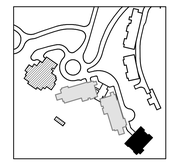
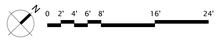


1 LEVEL 8 LIGHTING PLAN
SCALE: 1/8" = 1'-0"





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TOWER C - LVL 8
ELECTRICAL LIGHTING PLAN

E3.3C.18

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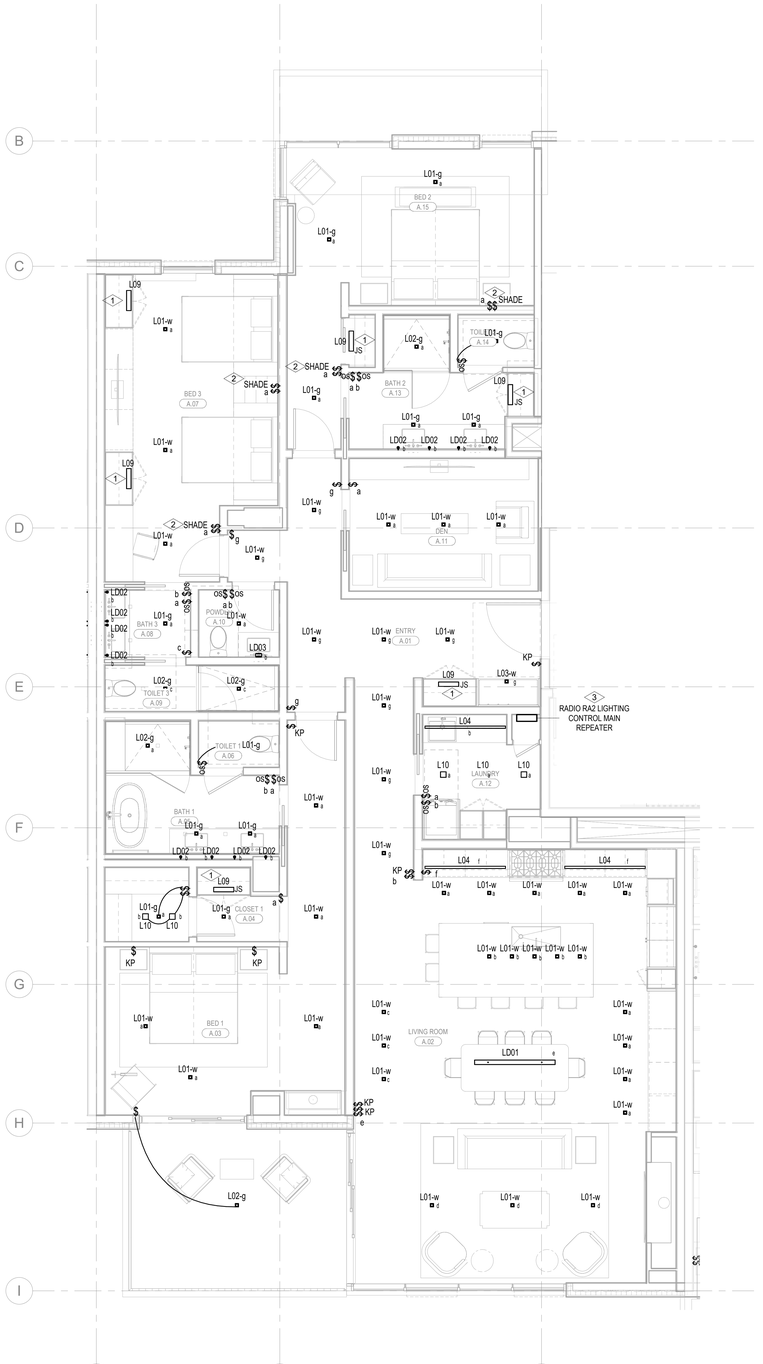
NUMBERED NOTES:

1 LIGHT FIXTURE LOCATED IN CLOSETS ARE TO BE CONTROLLED BY CLOSET DOOR JAM SWITCH.

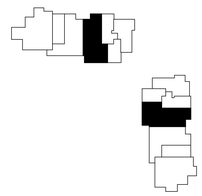
2 LUTRON WIRELESS PICO CONTROL SWITCH IS TO BE SUPPLIED AND INSTALLED FOR SHADE CONTROL.

3 SUPPLY AND INSTALL LUTRON RADIO RA2 SYSTEM TO PROVIDE PARTIAL LIGHTING CONTROL IN THE RESIDENTIAL UNITS. MASTER BEDROOM (DENOTED AS 'BED 1') AND ALL ROOMS WITH MORE THAN THREE (3) LIGHTING CONTROL ZONES ARE TO BE CONTROLLED BY THE LUTRON RADIO RA2 SYSTEM. ALL ROOMS WITH THREE (3) LIGHTING CONTROL ZONES OR LESS ARE TO BE CONTROLLED BY LOCAL DIMMERS.



1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT A

SCALE: 1/4" = 1'-0"



0 1' 2' 3' 4' 8' 12'

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revisions:

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT A

E3.4.A

SHEET NOTES:

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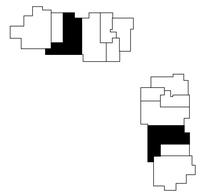
SCALE: 1/4" = 1'-0"



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revisions:

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT B

E3.4.B

SHEET NOTES:

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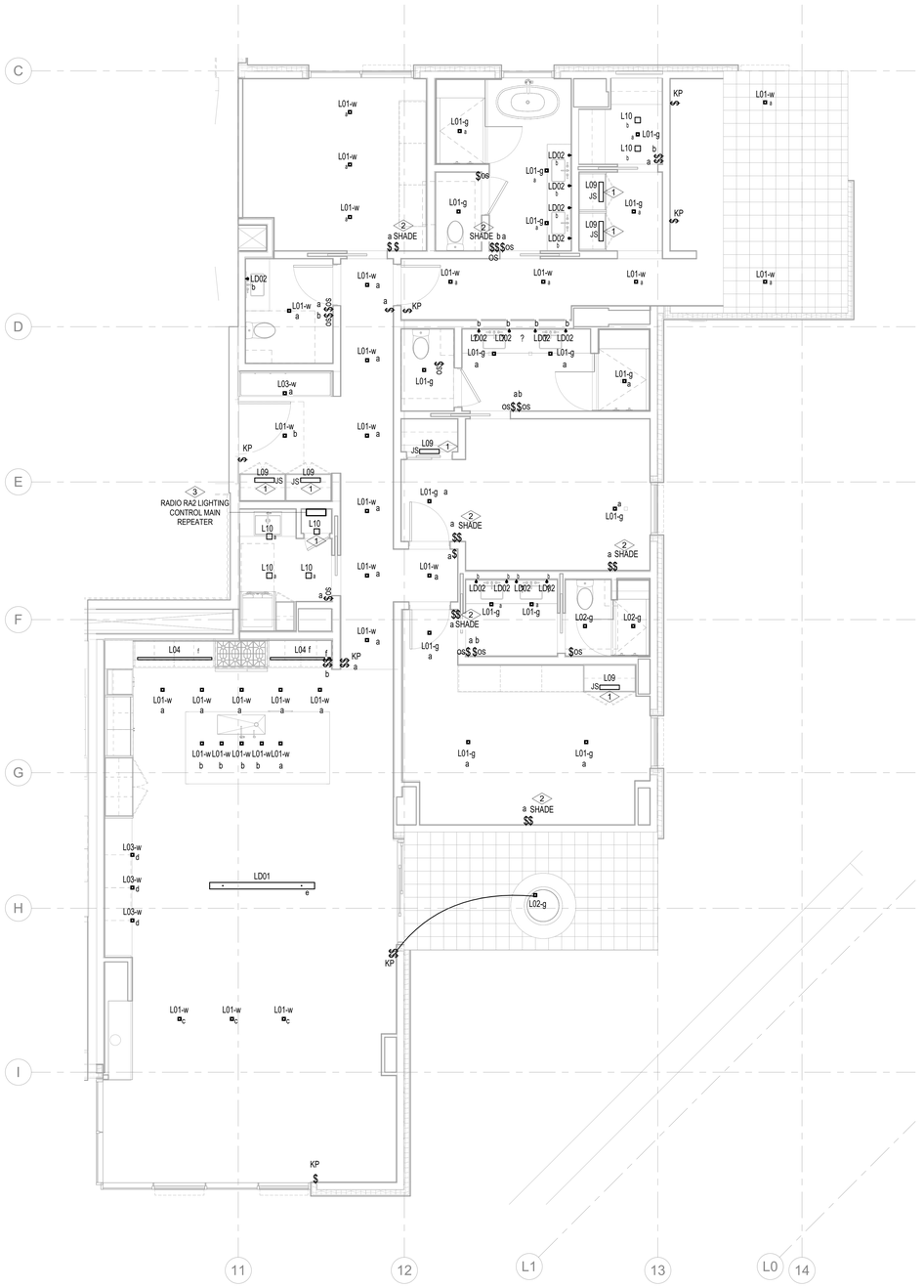

1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT C
SCALE: 1/4" = 1'-0"

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT C

E3.4.C

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1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT D
SCALE: 1/4" = 1'-0"

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT D

E3.4.D

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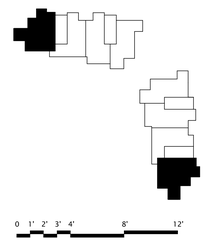

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TOWR A/B ELECTRICAL LIGHTING PLAN - UNIT E

E3.4.E

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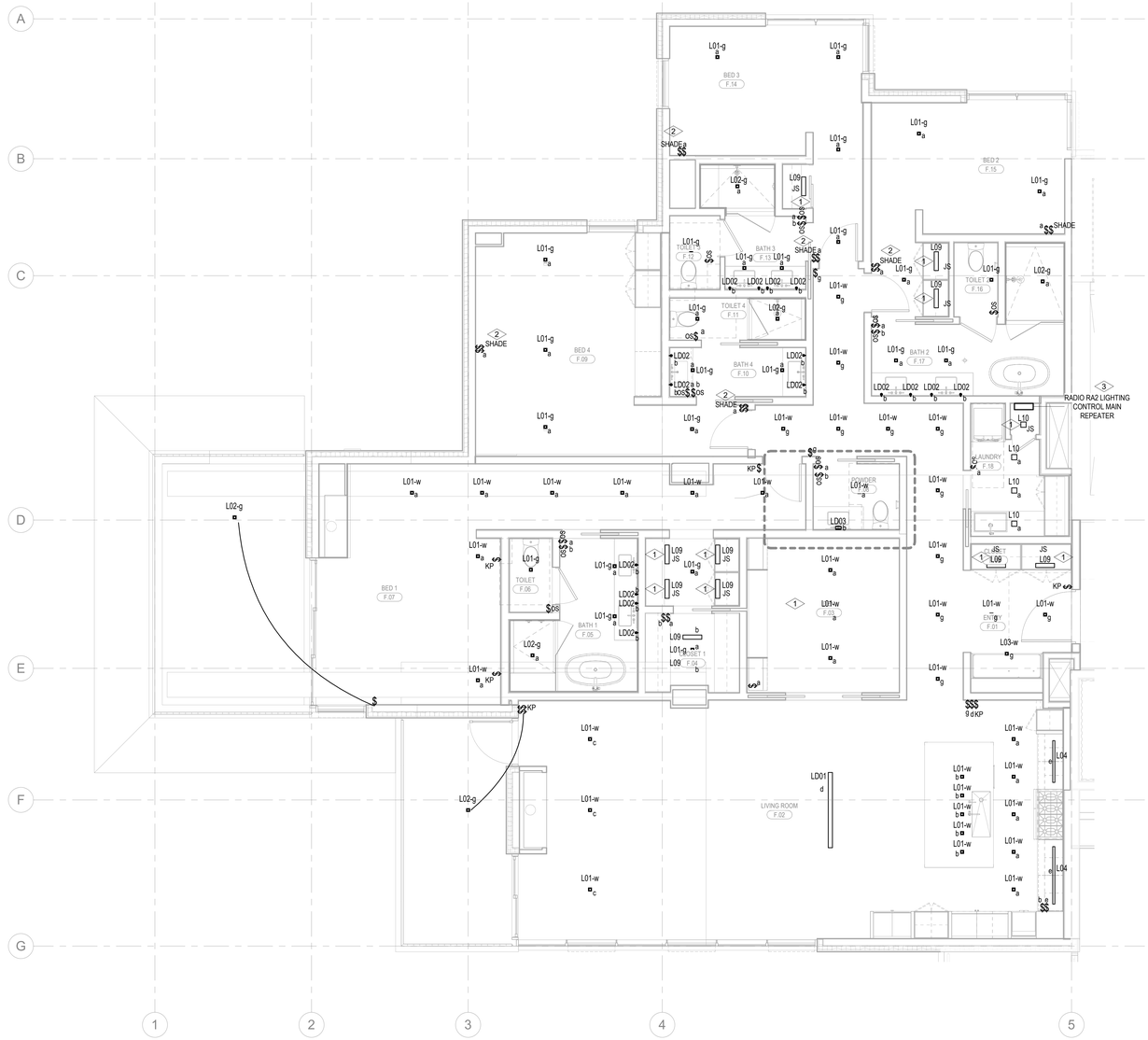
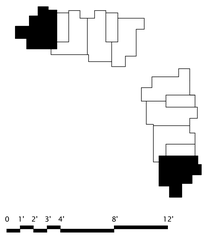


1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT F
SCALE: 1/4" = 1'-0"



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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT F

E3.4.F

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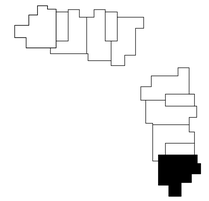
1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT G
SCALE: 1/4" = 1'-0"



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project manager _____
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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT G

E3.4.G

SHEET NOTES:

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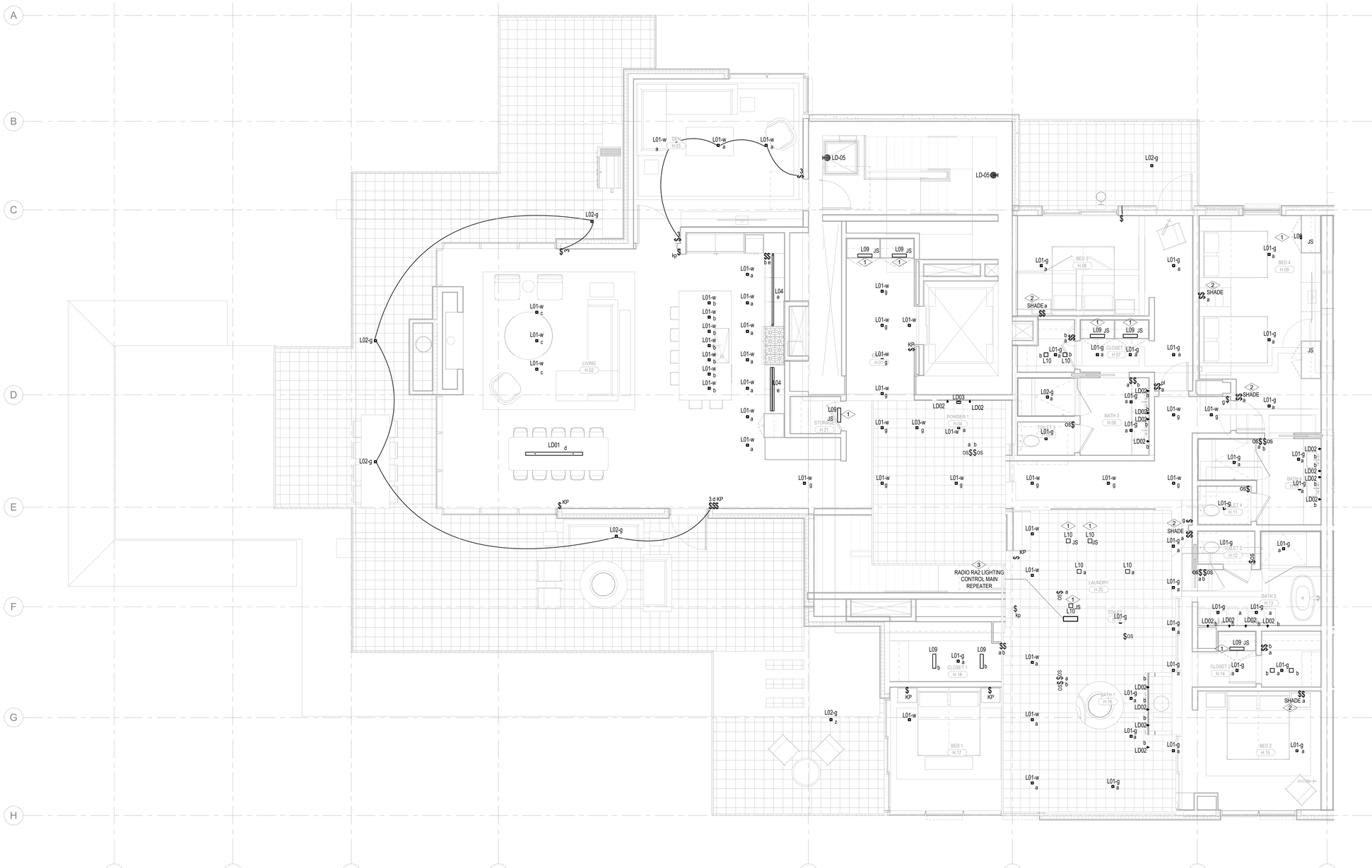
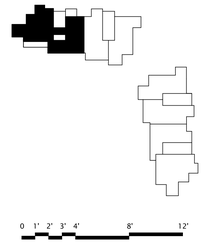


1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT H
SCALE: 1/4" = 1'-0"



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date 07/15/2022

revisions:

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT H

E3.4.H

SHEET NOTES:

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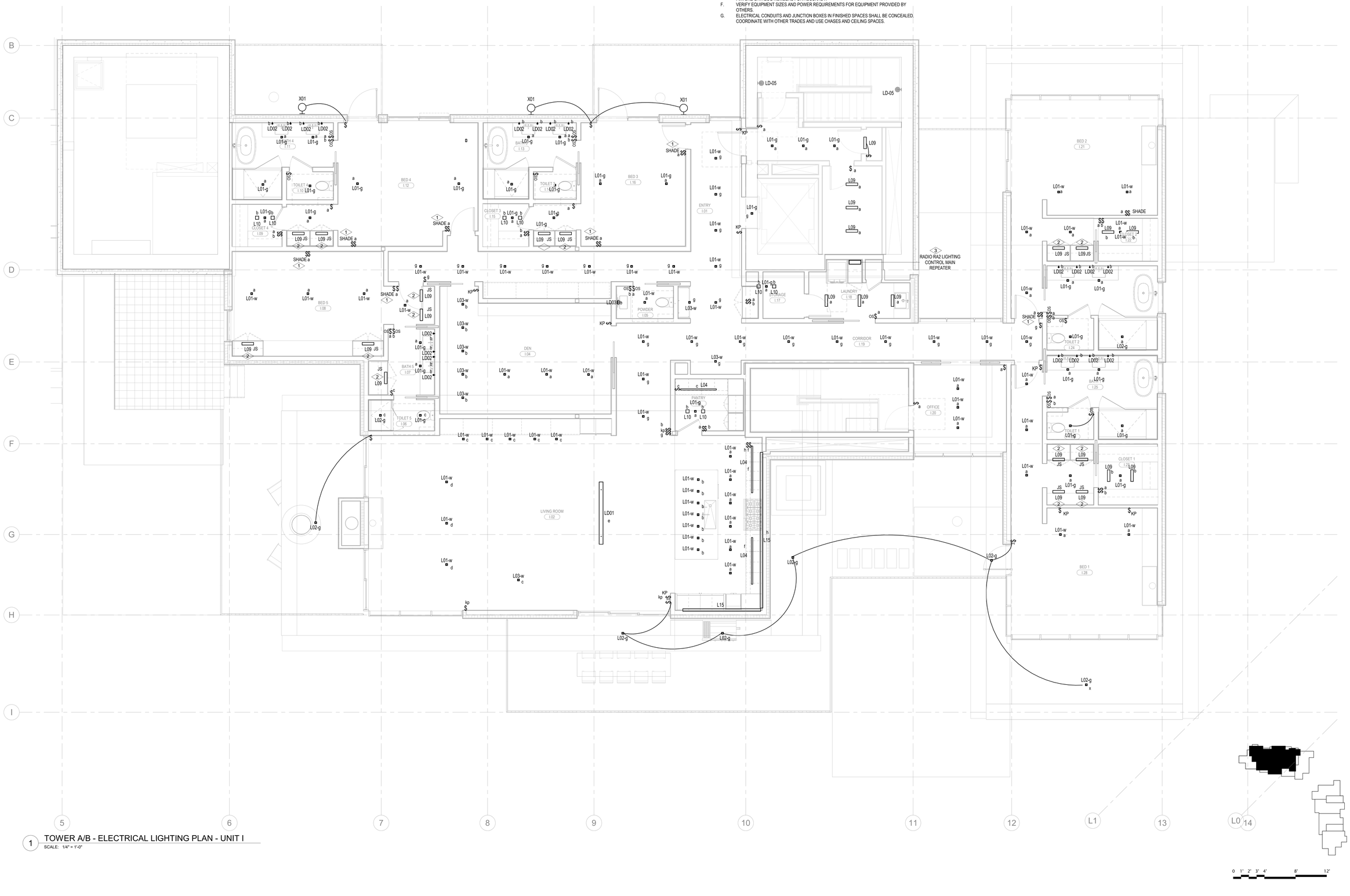

1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT I
SCALE: 1/4" = 1'-0"

0 1' 2' 3' 4' 8' 12'

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT I

E3.4.I

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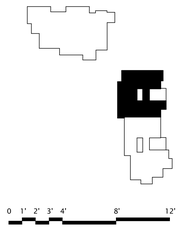

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT J

E3.4.J

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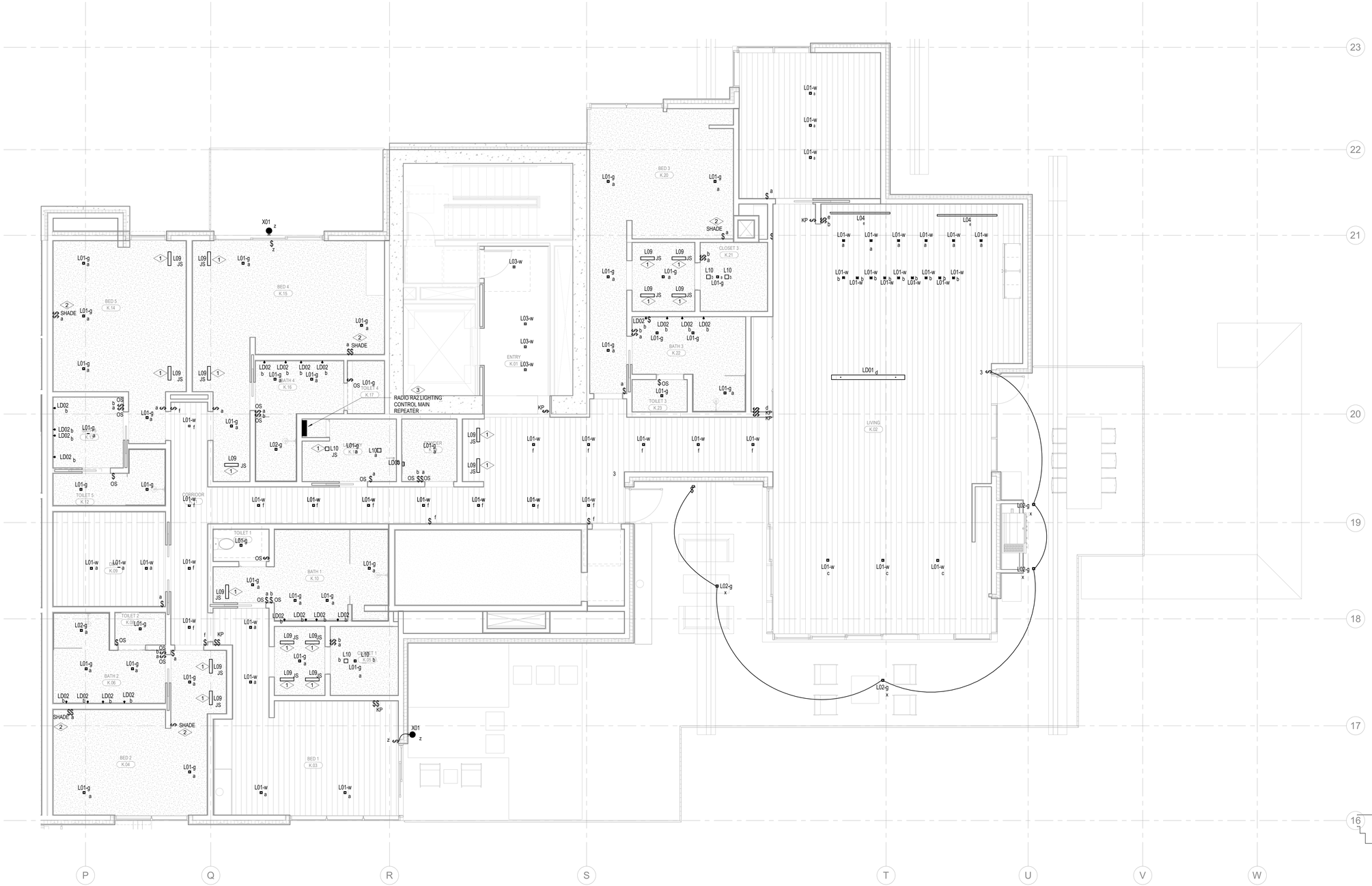

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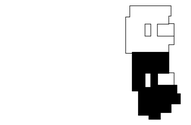
SCALE: 1/4" = 1'-0"



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07/15/2022

TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT K

E3.4.K

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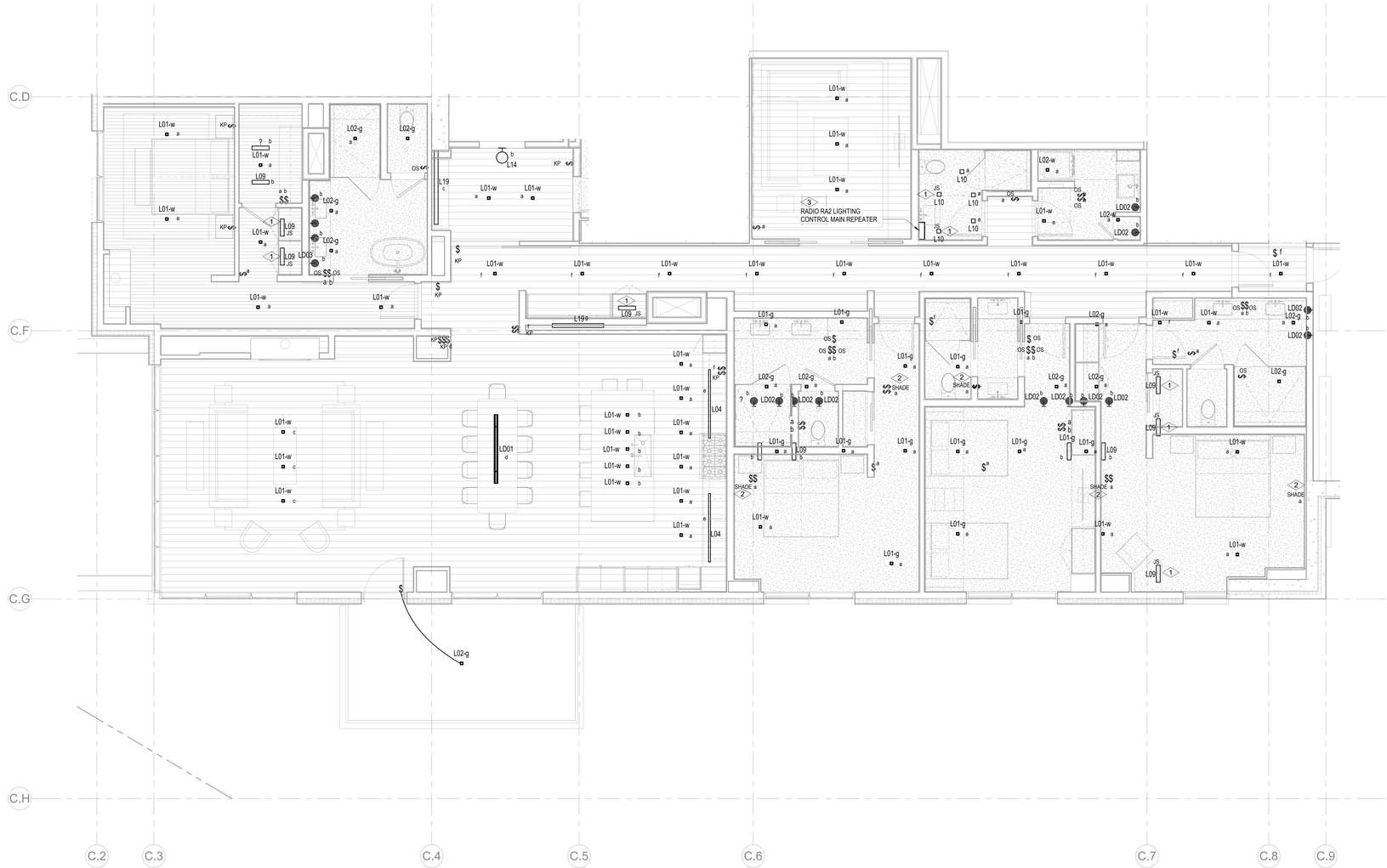

1 TOWER C - ELECTRICAL LIGHTING UNIT PLAN - L
SCALE: 1/4" = 1'-0"

0 1' 2' 3' 4' 8' 12'

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TOWER C ELECTRICAL LIGHTING PLAN - UNIT L

E3.4.L

SHEET NOTES:

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F. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

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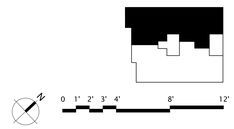
1 TOWER C - ELECTRICAL LIGHTING UNIT PLAN - M
SCALE: 1/4" = 1'-0"



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date 07/15/2022

revisions:

no. date by

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TOWER C ELECTRICAL LIGHTING PLAN - UNIT M

E3.4.M

SHEET NOTES:

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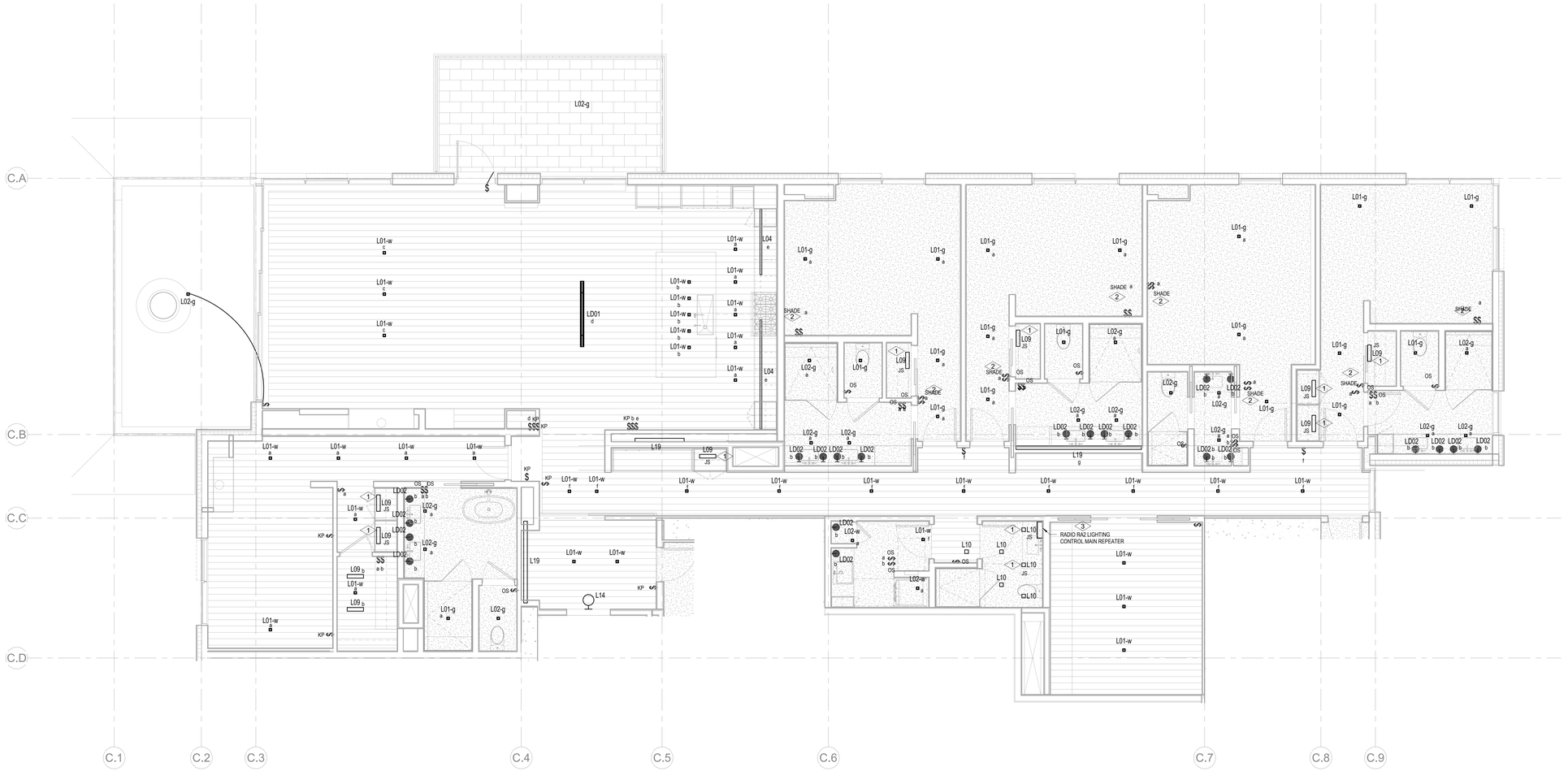
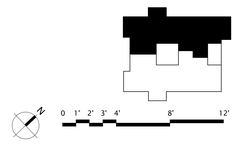


1 TOWER C - ELECTRICAL LIGHTING UNIT PLAN - N

SCALE: 1/4" = 1'-0"



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revisions:

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TOWER C ELECTRICAL LIGHTING PLAN - UNIT N

E3.4.N

SHEET NOTES:

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1 TOWER C - ELECTRICAL LIGHTING UNIT PLAN - O
SCALE: 1/4" = 1'-0"

0 1" 2" 3" 4" 8" 12'

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TOWER C ELECTRICAL LIGHTING PLAN - UNIT O

E3.4.O

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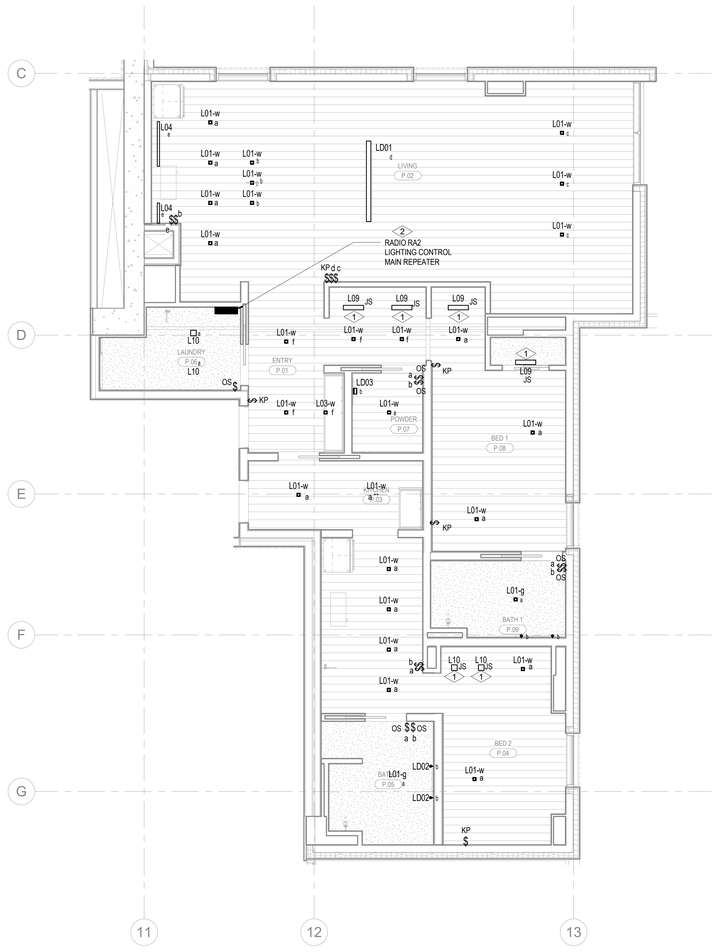

1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT P
SCALE: 1/4" = 1'-0"

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT P

E3.4.P

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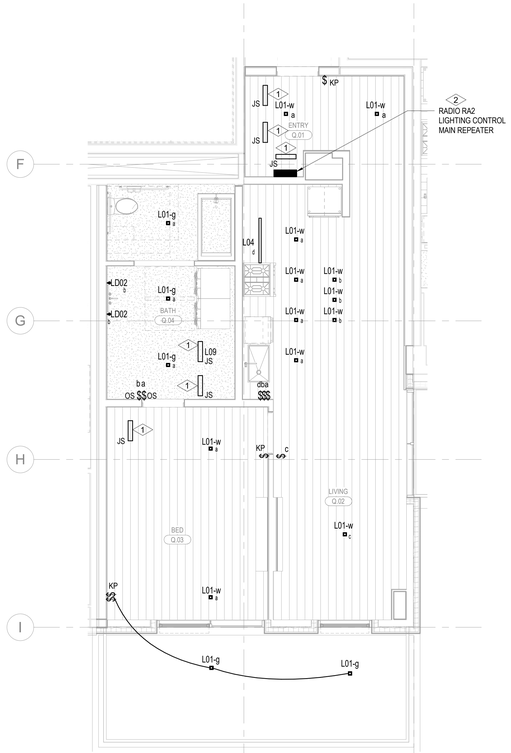

1 TOWER A/B - ELECTRICAL LIGHTING PLAN - UNIT Q
SCALE: 1/4" = 1'-0"

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revisions:

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TOWER A/B ELECTRICAL LIGHTING PLAN - UNIT Q

E3.4.Q

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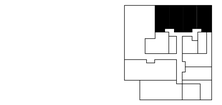
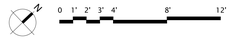
1 TOWER C - ELECTRICAL LIGHTING UNIT PLAN - R
SCALE: 1/4" = 1'-0"





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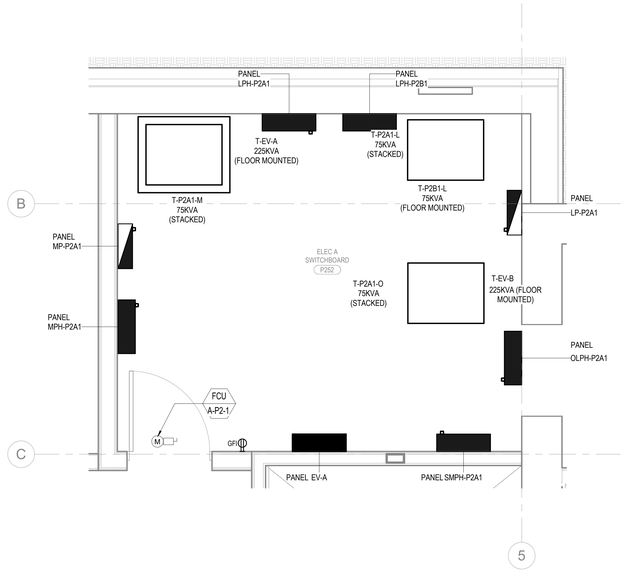
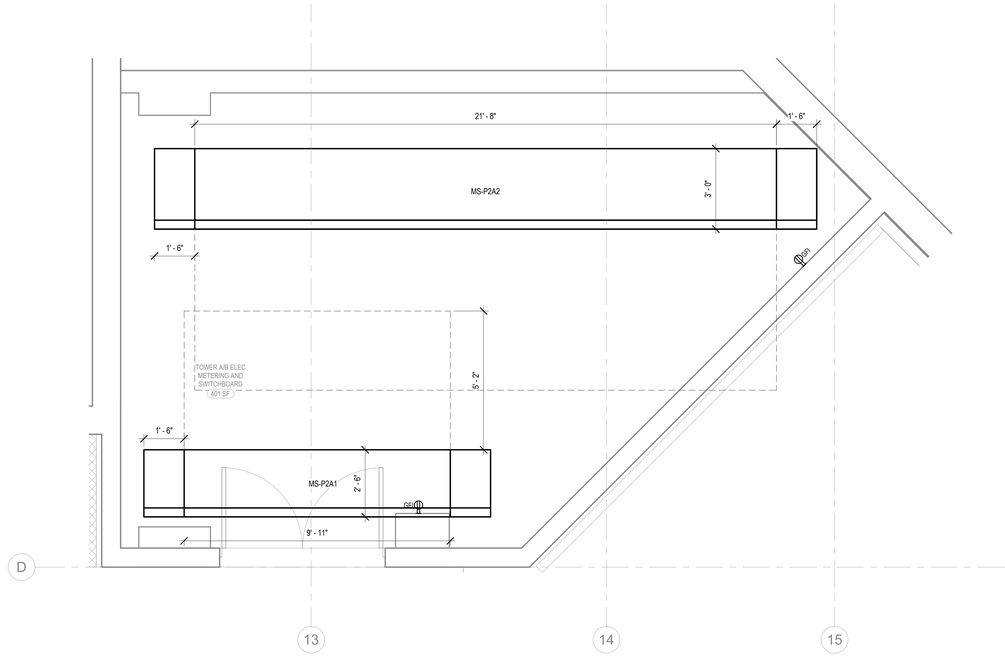
TOWER C ELECTRICAL LIGHTING PLAN - UNIT R

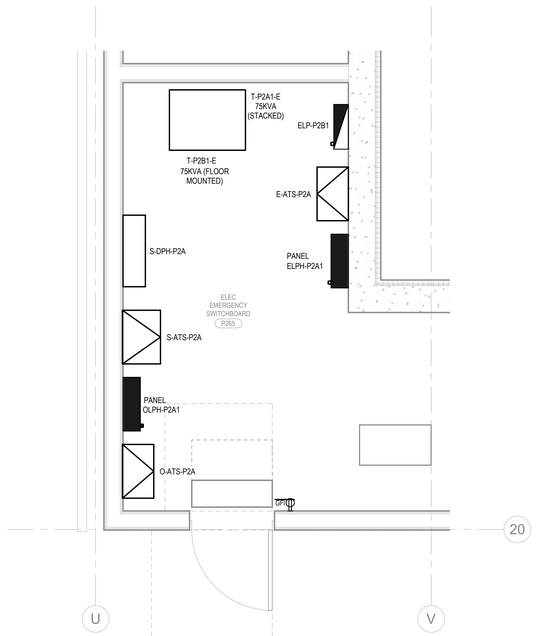
E3.4.R



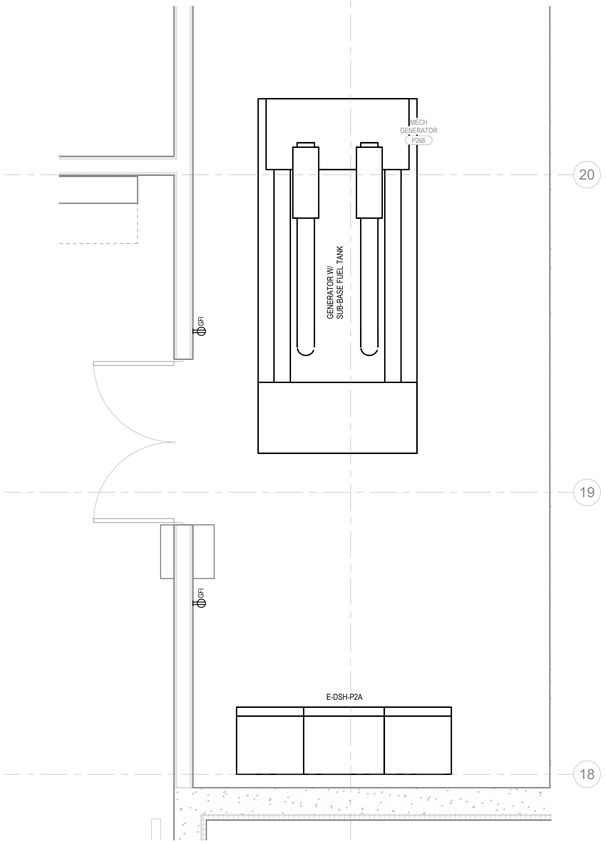
1 ELECTRICAL A SWITCHBOARD
SCALE: 1/2" = 1'-0"



2 MAIN ELECTRICAL SWITCHBOARD
SCALE: 1/2" = 1'-0"



4 ELECTRICAL EMERGENCY SWITCHBOARD
SCALE: 1/2" = 1'-0"



3 GENERATOR ROOM
SCALE: 1/2" = 1'-0"

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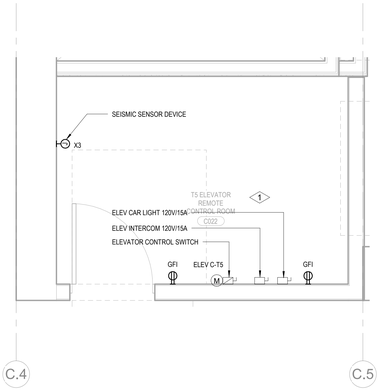
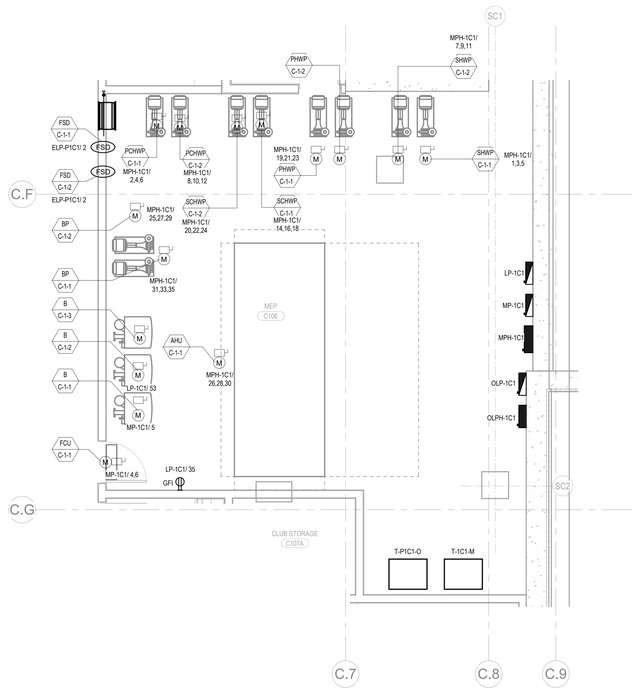
0 2' 4' 6' 8' 16' 24'

ELECTRICAL ENLARGED PLANS

E4.01AB



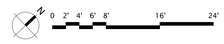
1 TOWER C - T5 ELEVATOR REMOTE CONTROL ROOM
SCALE: 1/2" = 1'-0"



2 TOWER C - LEVEL 1 MEP C106 ROOM
SCALE: 1/4" = 1'-0"

NUMBERED NOTES:

1 COMMUNICATIONS RACK IS TO BE SUPPLIED BY OTHERS AND INSTALLED BY ELECTRICAL CONTRACTORS AS PART OF THIS SCOPE OF WORK.



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ELECTRICAL ENLARGED PLANS

E4.01C

SHEET NOTES:

A. EQUIPMENT AND FEEDERS TO BE PROVIDED AS NEW UNLESS OTHERWISE NOTED.
B. COORDINATE AND VERIFY WITH ELECTRICAL UTILITY FOR REQUIRED INFORMATION PERTAINING TO UTILITY TRANSFORMER SIZE, TRANSFORMER VAULT LOCATION AND UTILITY METER LOCATION.
C. REFER TO TRANSFORMER SCHEDULE FOR PRIMARY AND SECONDARYFEEDER DESCRIPTIONS.
D. REFER TO WIRING SCHEDULE FOR CONDUCTOR AND CONDUIT SIZE.
E. CONDUCT A SELECTIVE COORDINATION STUDY FOR THE POWER DISTRIBUTION SYSTEMS LISTED BELOW. THE STUDY SHALL INCLUDE ALL OCPDS (CBS OR FUSES) STARTING AT BOTH THE NORMAL AND BACKUP POWER SOURCES AND ENDING AT THE FINAL OCPD SERVING ANY COMPONENT WITHIN THESE SYSTEMS. THE CONTRACTOR SHALL PROVIDE OCPDS OF THE TYPES AND RATINGS AS REQUIRED TO ACCOMPLISH SELECTIVE COORDINATION IN ALL RANGES (OVERLOAD, SHORT TIME DELAY, SHORT TIME PICKUP, INSTANTANEOUS DELAY, AND INSTANTANEOUS PICKUP). IF A GENERATOR BREAKER IS INSTALLED, IT SHALL BE INCLUDED IN THE STUDY. THE GENERATOR BREAKER SHALL BE REPLACED IN COOPERATION WITH THE GENERATOR VENDOR BUT AT THE CONTRACTOR'S EXPENSE, IF REPLACEMENT IS NECESSARY FOR SELECTIVE COORDINATION TO BE ACHIEVED WITH DOWNSTREAM CBS. COORDINATE WITH THE LOCAL AHJ TO ASCERTAIN WHETHER ANY UNIQUE REQUIREMENTS APPLY. SYSTEMS THAT WILL REQUIRE SELECTIVE COORDINATION ARE AS FOLLOWS:

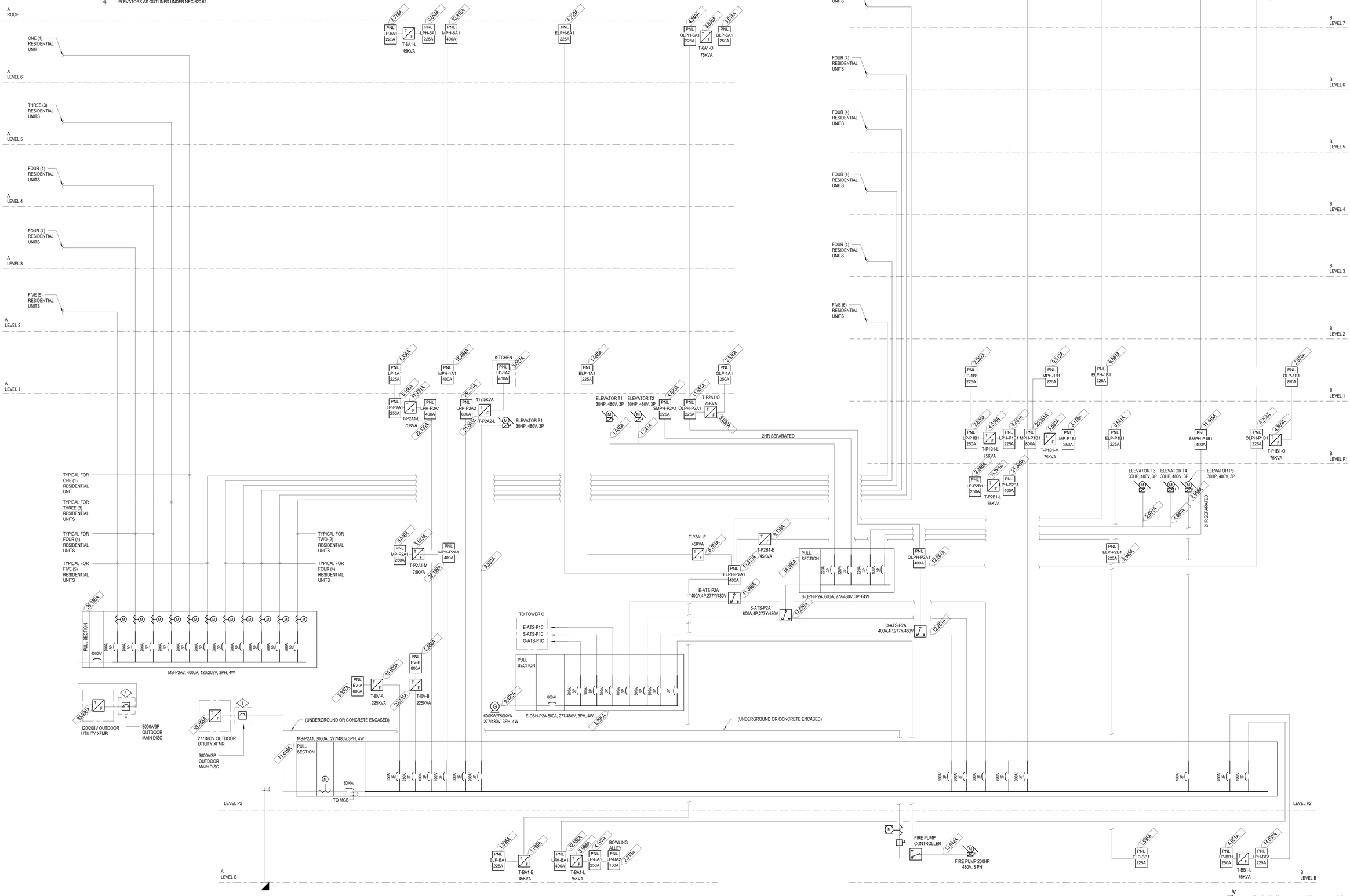
1) EMERGENCY SYSTEMS AS OUTLINED UNDER NEC 700.28.

2) LEGALLY REQUIRED STANDBY SYSTEMS AS OUTLINED UNDER NEC 701.27.

4) ELEVATORS AS OUTLINED UNDER NEC 620.62.

NUMBERED NOTES:

1. MAIN DISCONNECT IS TO BE SUPPLIED AND INSTALLED WITHIN 50 FEET OF UTILITY TRANSFORMER.



1 ELECTRICAL ONE-LINE TOWER A & B
SCALE: NO SCALE

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ELECTRICAL ONE-LINE
E5.01AB

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1 ELECTRICAL ONE-LINE DIAGRAM BUILDING C

SCALE: NO SCALE

SHEET NOTES:

A. EQUIPMENT AND FEEDERS TO BE PROVIDED AS NEW UNLESS OTHERWISE NOTED.
B. COORDINATE AND VERIFY WITH ELECTRICAL UTILITY FOR REQUIRED INFORMATION PERTAINING TO UTILITY TRANSFORMER SIZE, TRANSFORMER VAULT LOCATION AND UTILITY METER LOCATION.
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NUMBERED NOTES:

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N 0 2' 4' 6' 8' 16' 24'

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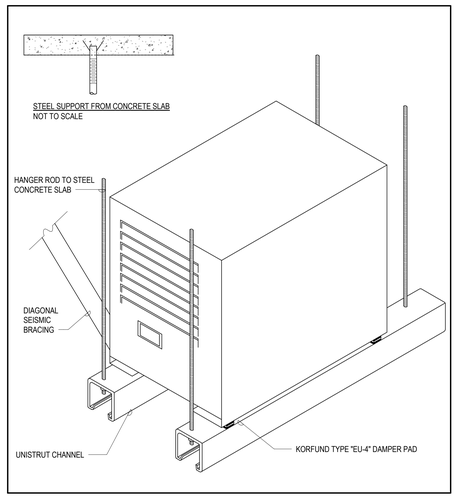
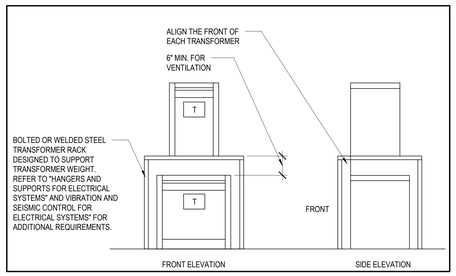
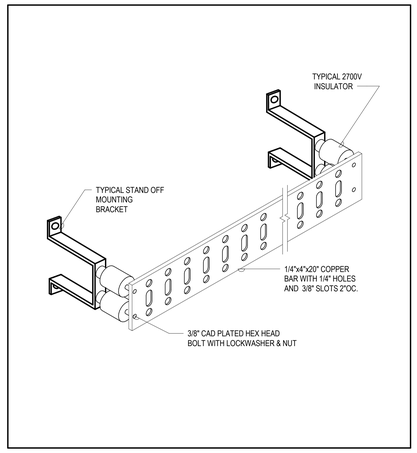
ELECTRICAL ONE-LINE
E5.01C



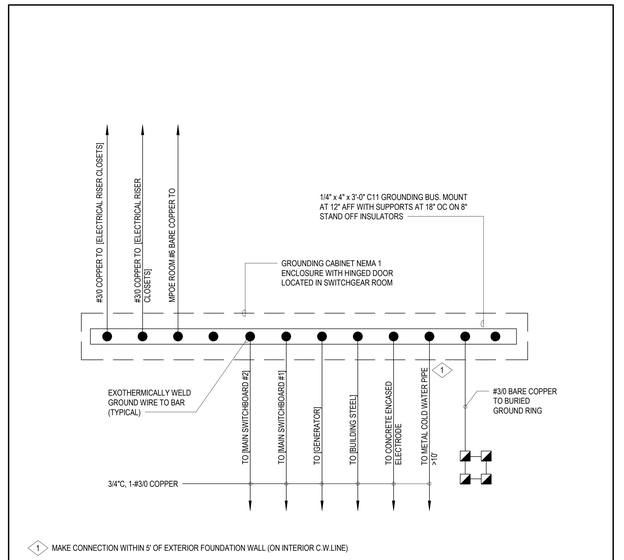
4 CEILING HUNG TRANSFORMER
SCALE: NOT TO SCALE



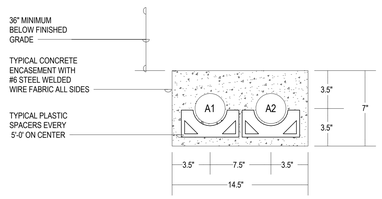
3 DETAIL OF STACKED TRANSFORMER
SCALE: NOT TO SCALE



2 GROUND BAR MOUNTING
SCALE: NOT TO SCALE



1 MAIN GROUND BUS BAR
SCALE: NOT TO SCALE



KEY

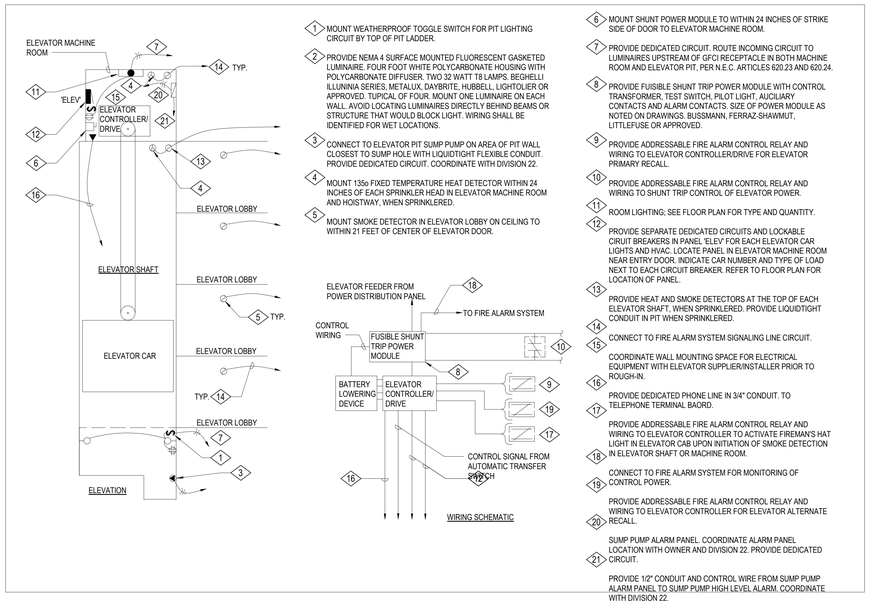
A1 2" PVC CONTAINING 3-#2/0 & 1-#1/0 GND FOR FIRE PUMP NORMAL SERVICE

A2 2" EMPTY PVC FOR UTILITY COMPANY METERING.

NOTES

1. ALL EXCAVATION AND BACKFILL UNDER DIVISION 2.
2. ALL CONCRETE WORK UNDER DIVISION 3.
3. EXACT ROUTING TO BE FIELD DETERMINED BASED ON ACTUAL CONDITIONS
4. PROVIDE NYLON PULL CORD IN ALL EMPTY CONDUITS.
5. CHANGEOVER TO GALVANIZED STEEL CONDUIT 5'-0" FROM BUILDING PENETRATIONS OR RISERS.
6. ALL GALVANIZED STEEL CONDUITS TO BE PAINTED WITH RUST RETARDANT PAINT.

5 CONDUIT ENCASED IN CONCRETE 2
SCALE: NOT TO SCALE



1 MOUNT WEATHERPROOF TOGGLE SWITCH FOR PIT LIGHTING CIRCUIT BY TOP OF PIT LADDER.

2 PROVIDE NEMA 4 SURFACE MOUNTED FLUORESCENT GASKETED LUMINAIRE. FOUR FOOT WHITE POLYCARBONATE HOUSING WITH POLYCARBONATE DIFFUSER. TWO 32 WATT T8 LAMPS. BEGHELLI ILLUNINA SERIES, METALUX, DAYBRITE, HUBBELL, LIGHTOLIER OR APPROVED. TUPICAL OF FOUR. MOUNT ONE LUMINAIRE ON EACH WALL. AVOID LOCATING LUMINAIRES DIRECTLY BEHIND BEAMS OR STRUCTURE THAT WOULD BLOCK LIGHT. WIRING SHALL BE IDENTIFIED FOR WET LOCATIONS.

3 CONNECT TO ELEVATOR PIT SUMP PUMP ON AREA OF PIT WALL CLOSEST TO SUMP HOLE WITH LIQUIDTIGHT FLEXIBLE CONDUIT. PROVIDE DEDICATED CIRCUIT. COORDINATE WITH DIVISION 22.

4 MOUNT 135o FIXED TEMPERATURE HEAT DETECTOR WITHIN 24 INCHES OF EACH SPRINKLER HEAD IN ELEVATOR MACHINE ROOM AND HOISTWAY, WHEN SPRINKLERED.

5 MOUNT SMOKE DETECTOR IN ELEVATOR LOBBY ON CEILING TO WITHIN 21 FEET OF CENTER OF ELEVATOR DOOR.

6 MOUNT SHUNT POWER MODULE TO WITHIN 24 INCHES OF STRIKE SIDE OF DOOR TO ELEVATOR MACHINE ROOM.

7 PROVIDE DEDICATED CIRCUIT. ROUTE INCOMING CIRCUIT TO LUMINAIRES UPSTREAM OF GFCI RECEPTACLE IN BOTH MACHINE ROOM AND ELEVATOR PIT, PER N.E.C. ARTICLES 620.23 AND 620.24.

8 PROVIDE FUISIBLE SHUNT TRIP POWER MODULE WITH CONTROL TRANSFORMER, TEST SWITCH, PILOT LIGHT, AUCILIARY CONTACTS AND ALARM CONTACTS. SIZE OF POWER MODULE AS NOTED ON DRAWINGS. BUSSMANN, FERRAZ-SHAWMUT, LITTLEFUSE OR APPROVED.

9 PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO ELEVATOR CONTROLLER/DRIVE FOR ELEVATOR PRIMARY RECALL.

10 PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO SHUNT TRIP CONTROL OF ELEVATOR POWER.

11 ROOM LIGHTING; SEE FLOOR PLAN FOR TYPE AND QUANTITY.

12 PROVIDE SEPARATE DEDICATED CIRCUITS AND LOCKABLE CIRUIT BREAKERS IN PANEL 'ELEV' FOR EACH ELEVATOR CAR LIGHTS AND HVAC. LOCATE PANEL IN ELEVATOR MACHINE ROOM NEAR ENTRY DOOR. INDICATE CAR NUMBER AND TYPE OF LOAD NEXT TO EACH CIRCUIT BREAKER. REFER TO FLOOR PLAN FOR LOCATION OF PANEL.

13 PROVIDE HEAT AND SMOKE DETECTORS AT THE TOP OF EACH ELEVATOR SHAFT, WHEN SPRINKLERED. PROVIDE LIQUIDTIGHT CONDUIT IN PIT WHEN SPRINKLERED.

14 CONNECT TO FIRE ALARM SYSTEM SIGNALING LINE CIRCUIT.

15 COORDINATE WALL MOUNTING SPACE FOR ELECTRICAL EQUIPMENT WITH ELEVATOR SUPPLIER/INSTALLER PRIOR TO ROUGH-IN.

16 PROVIDE DEDICATED PHONE LINE IN 3/4" CONDUIT. TO TELEPHONE TERMINAL BAORD.

17 PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO ELEVATOR CONTROLLER TO ACTIVATE FIREMAN'S HAT LIGHT IN ELEVATOR CAB UPON INITIATION OF SMOKE DETECTION IN ELEVATOR SHAFT OR MACHINE ROOM.

18 CONNECT TO FIRE ALARM SYSTEM FOR MONITORING OF CONTROL POWER.

19 PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO ELEVATOR CONTROLLER FOR ELEVATOR ALTERNATE RECALL.

20 SUMP PUMP ALARM PANEL. COORDINATE ALARM PANEL LOCATION WITH OWNER AND DIVISION 22. PROVIDE DEDICATED CIRCUIT.

21 PROVIDE 1/2" CONDUIT AND CONTROL WIRE FROM SUMP PUMP ALARM PANEL TO SUMP PUMP HIGH LEVEL ALARM. COORDINATE WITH DIVISION 22.

6 TRACTION TYPE ELEVATOR DETAIL
SCALE: 1/2" = 1'-0"

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ELECTRICAL DETAILS
E6.01AB

480V, 3-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE								
	1/0	2/0	3/0	4/0	250KCM	300KCM	350KCM	400KCM	500KCM
7.9	2,760ft	3,483ft	4,397ft	5,539ft	6,539ft	7,850ft	9,176ft	10,491ft	13,053ft
15.8	1,380ft	1,741ft	2,198ft	2,770ft	3,270ft	3,925ft	4,588ft	5,246ft	6,527ft
23.7	920ft	1,161ft	1,466ft	1,846ft	2,180ft	2,617ft	3,059ft	3,497ft	4,351ft
31.6	690ft	871ft	1,099ft	1,385ft	1,635ft	1,963ft	2,294ft	2,623ft	3,263ft
39.5	552ft	697ft	879ft	1,108ft	1,308ft	1,570ft	1,835ft	2,098ft	2,611ft
47.4	460ft	580ft	733ft	923ft	1,090ft	1,308ft	1,529ft	1,749ft	2,176ft
55.3	394ft	498ft	628ft	791ft	934ft	1,121ft	1,311ft	1,499ft	1,865ft
63.2	345ft	435ft	550ft	692ft	817ft	981ft	1,147ft	1,311ft	1,632ft
71.1	307ft	387ft	489ft	615ft	727ft	872ft	1,020ft	1,166ft	1,450ft
79.0	276ft	348ft	440ft	554ft	654ft	785ft	918ft	1,049ft	1,305ft
86.9	251ft	317ft	400ft	504ft	594ft	714ft	834ft	954ft	1,187ft
94.8	230ft	290ft	366ft	462ft	545ft	654ft	765ft	874ft	1,088ft
102.7	212ft	268ft	338ft	426ft	503ft	604ft	706ft	807ft	1,004ft
110.6	197ft	249ft	314ft	396ft	467ft	561ft	655ft	749ft	932ft
118.5	184ft	232ft	293ft	369ft	436ft	523ft	612ft	699ft	870ft
126.4	-	218ft	275ft	346ft	409ft	491ft	574ft	656ft	816ft
134.3	-	205ft	259ft	326ft	385ft	462ft	540ft	617ft	768ft
142.2	-	193ft	244ft	308ft	363ft	436ft	510ft	583ft	725ft
150.1	-	-	231ft	292ft	344ft	413ft	483ft	552ft	687ft
158.0	-	-	220ft	277ft	327ft	393ft	459ft	525ft	653ft
165.9	-	-	209ft	264ft	311ft	374ft	437ft	500ft	622ft
173.8	-	-	-	252ft	297ft	357ft	417ft	477ft	593ft
181.7	-	-	-	241ft	284ft	341ft	399ft	456ft	568ft
189.6	-	-	-	231ft	272ft	327ft	382ft	437ft	544ft
197.5	-	-	-	-	262ft	314ft	367ft	420ft	522ft
205.4	-	-	-	-	252ft	302ft	353ft	404ft	502ft
213.3	-	-	-	-	-	291ft	340ft	389ft	483ft
221.2	-	-	-	-	-	280ft	328ft	375ft	466ft
229.1	-	-	-	-	-	271ft	316ft	362ft	450ft
237.0	-	-	-	-	-	-	306ft	350ft	435ft
244.9	-	-	-	-	-	-	296ft	338ft	421ft
252.8	-	-	-	-	-	-	287ft	328ft	408ft
260.7	-	-	-	-	-	-	-	318ft	396ft
268.6	-	-	-	-	-	-	-	309ft	384ft
276.5	-	-	-	-	-	-	-	300ft	373ft
284.4	-	-	-	-	-	-	-	-	363ft
292.3	-	-	-	-	-	-	-	-	353ft
300.2	-	-	-	-	-	-	-	-	344ft
308.1	-	-	-	-	-	-	-	-	335ft
316.0	-	-	-	-	-	-	-	-	-

BASED ON 2% VOLTAGE DROP ALLOWED FOR FEEDERS PER TITLE 24 2019.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

480V, 3-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE					
	#12	#10	#8	#6	#4	#2	#1
2.7	511ft	814ft	1,267ft	2,007ft	3,199ft	5,078ft	6,399ft
5.4	255ft	407ft	633ft	1,003ft	1,600ft	2,540ft	3,199ft
8.1	170ft	271ft	422ft	669ft	1,066ft	1,693ft	2,133ft
10.8	128ft	204ft	317ft	502ft	800ft	1,270ft	1,600ft
13.5	102ft	163ft	253ft	401ft	640ft	1,016ft	1,280ft
16.2	85ft	136ft	211ft	334ft	533ft	847ft	1,066ft
18.9	-	116ft	181ft	287ft	457ft	726ft	914ft
21.6	-	102ft	158ft	251ft	400ft	635ft	800ft
24.3	-	90ft	141ft	223ft	355ft	564ft	711ft
27.0	-	-	127ft	201ft	320ft	508ft	640ft
29.7	-	-	115ft	182ft	291ft	462ft	582ft
32.4	-	-	106ft	167ft	267ft	423ft	533ft
35.1	-	-	-	154ft	246ft	391ft	492ft
37.8	-	-	-	143ft	229ft	363ft	457ft
40.5	-	-	-	134ft	213ft	339ft	427ft
43.2	-	-	-	125ft	200ft	317ft	400ft
45.9	-	-	-	118ft	188ft	299ft	376ft
48.6	-	-	-	-	178ft	282ft	355ft
51.3	-	-	-	-	168ft	267ft	337ft
54.0	-	-	-	-	160ft	254ft	320ft
56.7	-	-	-	-	152ft	242ft	305ft
59.4	-	-	-	-	-	231ft	291ft
62.1	-	-	-	-	-	221ft	278ft
64.8	-	-	-	-	-	212ft	267ft
67.5	-	-	-	-	-	203ft	256ft
70.2	-	-	-	-	-	195ft	246ft
72.9	-	-	-	-	-	188ft	237ft
75.6	-	-	-	-	-	181ft	229ft
78.3	-	-	-	-	-	175ft	221ft
81.0	-	-	-	-	-	-	213ft
83.7	-	-	-	-	-	-	206ft
86.4	-	-	-	-	-	-	200ft
89.1	-	-	-	-	-	-	194ft
91.8	-	-	-	-	-	-	-
94.5	-	-	-	-	-	-	-
97.2	-	-	-	-	-	-	-
99.9	-	-	-	-	-	-	-
102.6	-	-	-	-	-	-	-
105.3	-	-	-	-	-	-	-
108.0	-	-	-	-	-	-	-

BASED ON 2% VOLTAGE DROP ALLOWED FOR FEEDERS PER TITLE 24 2019.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

208V, 3-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE								
	1/0	2/0	3/0	4/0	250KCM	300KCM	350KCM	400KCM	500KCM
3.4	1,204ft	1,520ft	1,918ft	2,417ft	2,853ft	3,425ft	4,004ft	4,577ft	5,695ft
6.8	602ft	760ft	959ft	1,208ft	1,427ft	1,713ft	2,002ft	2,289ft	2,848ft
10.2	401ft	507ft	639ft	806ft	951ft	1,142ft	1,335ft	1,526ft	1,898ft
13.6	301ft	380ft	480ft	604ft	713ft	856ft	1,001ft	1,144ft	1,424ft
17.0	241ft	304ft	384ft	483ft	571ft	685ft	801ft	915ft	1,139ft
20.4	201ft	253ft	320ft	403ft	476ft	571ft	667ft	763ft	949ft
23.8	172ft	217ft	274ft	345ft	408ft	489ft	572ft	654ft	814ft
27.2	151ft	190ft	240ft	302ft	357ft	428ft	500ft	572ft	712ft
30.6	134ft	169ft	213ft	269ft	317ft	381ft	445ft	509ft	633ft
34.0	120ft	152ft	192ft	242ft	285ft	343ft	400ft	458ft	570ft
37.4	109ft	138ft	174ft	220ft	259ft	311ft	364ft	416ft	518ft
40.8	100ft	127ft	160ft	201ft	238ft	285ft	334ft	381ft	475ft
44.2	93ft	117ft	148ft	186ft	219ft	263ft	308ft	352ft	438ft
47.6	86ft	109ft	137ft	173ft	204ft	245ft	286ft	327ft	407ft
51.0	80ft	101ft	128ft	161ft	190ft	228ft	267ft	305ft	380ft
54.4	-	95ft	120ft	151ft	178ft	214ft	250ft	286ft	356ft
57.8	-	89ft	113ft	142ft	168ft	201ft	236ft	269ft	335ft
61.2	-	84ft	107ft	134ft	159ft	190ft	222ft	254ft	316ft
64.6	-	-	101ft	127ft	150ft	180ft	211ft	241ft	300ft
68.0	-	-	96ft	121ft	143ft	171ft	200ft	229ft	285ft
71.4	-	-	91ft	115ft	136ft	163ft	191ft	218ft	271ft
74.8	-	-	-	110ft	130ft	156ft	182ft	208ft	259ft
78.2	-	-	-	105ft	124ft	149ft	174ft	199ft	248ft
81.6	-	-	-	101ft	119ft	143ft	167ft	191ft	237ft
85.0	-	-	-	-	114ft	137ft	160ft	183ft	228ft
88.4	-	-	-	-	110ft	132ft	154ft	176ft	219ft
91.8	-	-	-	-	106ft	127ft	148ft	170ft	211ft
95.2	-	-	-	-	-	122ft	143ft	163ft	203ft
98.6	-	-	-	-	-	118ft	138ft	158ft	196ft
102.0	-	-	-	-	-	114ft	133ft	153ft	190ft
105.4	-	-	-	-	-	-	129ft	148ft	184ft
108.8	-	-	-	-	-	-	125ft	143ft	178ft
112.2	-	-	-	-	-	-	-	139ft	173ft
115.6	-	-	-	-	-	-	-	135ft	168ft
119.0	-	-	-	-	-	-	-	131ft	163ft
122.4	-	-	-	-	-	-	-	-	158ft
125.8	-	-	-	-	-	-	-	-	154ft
129.2	-	-	-	-	-	-	-	-	150ft
132.6	-	-	-	-	-	-	-	-	146ft
136.0	-	-	-	-	-	-	-	-	142ft

BASED ON 2% VOLTAGE DROP ALLOWED FOR FEEDERS PER TITLE 24 2019.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

208V, 1-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE						
	#12	#10	#8	#6	#4	#2	#1
0.7	480ft	766ft	1,192ft	1,888ft	3,010ft	4,779ft	6,020ft
1.4	240ft	383ft	596ft	944ft	1,505ft	2,389ft	3,010ft
2.1	160ft	255ft	397ft	629ft	1,003ft	1,593ft	2,007ft
2.8	120ft	192ft	298ft	472ft	753ft	1,195ft	1,505ft
3.5	96ft	153ft	238ft	378ft	602ft	956ft	1,204ft
4.2	80ft	128ft	199ft	315ft	502ft	796ft	1,003ft
4.9	-	109ft	170ft	270ft	430ft	683ft	860ft
5.6	-	96ft	149ft	236ft	376ft	597ft	753ft
6.3	-	85ft	132ft	210ft	334ft	531ft	669ft
7.0	-	-	119ft	189ft	301ft	478ft	602ft
7.7	-	-	108ft	172ft	274ft	434ft	547ft
8.4	-	-	99ft	157ft	251ft	398ft	502ft
9.1	-	-	-	145ft	232ft	368ft	463ft
9.8	-	-	-	135ft	215ft	341ft	430ft
10.5	-	-	-	126ft	201ft	319ft	401ft
11.2	-	-	-	118ft	188ft	299ft	376ft
11.9	-	-	-	-	177ft	281ft	354ft
12.6	-	-	-	-	167ft	265ft	334ft
13.3	-	-	-	-	158ft	252ft	317ft
14.0	-	-	-	-	151ft	239ft	301ft
14.7	-	-	-	-	-	228ft	287ft
15.4	-	-	-	-	-	217ft	274ft
16.1	-	-	-	-	-	208ft	262ft
16.8	-	-	-	-	-	199ft	251ft
17.5	-	-	-	-	-	191ft	241ft
18.2	-	-	-	-	-	184ft	232ft
18.9	-	-	-	-	-	177ft	223ft
19.6	-	-	-	-	-	171ft	215ft
20.3	-	-	-	-	-	-	208ft
21.0	-	-	-	-	-	-	201ft
21.7	-	-	-	-	-	-	194ft
22.4	-	-	-	-	-	-	188ft
23.1	-	-	-	-	-	-	-
23.8	-	-	-	-	-	-	-
24.5	-	-	-	-	-	-	-
25.2	-	-	-	-	-	-	-
25.9	-	-	-	-	-	-	-
26.6	-	-	-	-	-	-	-
27.3	-	-	-	-	-	-	-
28.0	-	-	-	-	-	-	-

BASED ON 3% VOLTAGE DROP ALLOWED FOR BRANCH CIRCUITS PER TITLE 24 2019.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

120V, 1-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE						
	#12	#10	#8	#6	#4	#2	#1
0.4	280ft	446ft	694ft	1,100ft	1,753ft	2,784ft	3,506ft
0.8	140ft	223ft	347ft	550ft	877ft	1,392ft	1,753ft
1.2	93ft	149ft	231ft	367ft	584ft	928ft	1,169ft
1.6	70ft	112ft	174ft	275ft	438ft	696ft	877ft
2.0	56ft	89ft	139ft	220ft	351ft	557ft	701ft
2.4	47ft	74ft	116ft	183ft	292ft	464ft	584ft
2.8	-	64ft	99ft	157ft	250ft	398ft	501ft
3.2	-	56ft	87ft	137ft	219ft	348ft	438ft
3.6	-	50ft	77ft	122ft	195ft	309ft	390ft
4.0	-	-	69ft	110ft	175ft	278ft	351ft
4.4	-	-	63ft	100ft	159ft	253ft	319ft
4.8	-	-	58ft	92ft	146ft	232ft	292ft
5.2	-	-	-	85ft	136ft	214ft	270ft
5.6	-	-	-	79ft	125ft	199ft	250ft
6.0	-	-	-	73ft	117ft	186ft	234ft
6.4	-	-	-	69ft	110ft	174ft	219ft
6.8	-	-	-	-	103ft	164ft	206ft
7.2	-	-	-	-	97ft	155ft	195ft
7.6	-	-	-	-	92ft	147ft	185ft
8.0	-	-	-	-	88ft	139ft	175ft
8.4	-	-	-	-	83ft	133ft	167ft
8.8	-	-	-	-	-	127ft	159ft
9.2	-	-	-	-	-	121ft	152ft
9.6	-	-	-	-	-	116ft	146ft
10.0	-	-	-	-	-	111ft	140ft
10.4	-	-	-	-	-	107ft	135ft
10.8	-	-	-	-	-	103ft	130ft
11.2	-	-	-	-	-	99ft	125ft
11.6	-	-	-	-	-	-	121ft
12.0	-	-	-	-	-	-	117ft
12.4	-	-	-	-	-	-	113ft
12.8	-	-	-	-	-	-	110ft
13.2	-	-	-	-	-	-	106ft
13.6	-	-	-	-	-	-	-
14.0	-	-	-	-	-	-	-
14.4	-	-	-	-	-	-	-
14.8	-	-	-	-	-	-	-
15.2	-	-	-	-	-	-	-
15.6	-	-	-	-	-	-	-
16.0	-	-	-	-	-	-	-

BASED ON 3% VOLTAGE DROP ALLOWED FOR BRANCH CIRCUITS PER TITLE 24 2019.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

WIRING SCHEDULE - COPPER CONDUCTORS (0-600V)

CIRCUIT RATING	CONDUIT SIZE (INCHES)							CONDUCTOR SIZE	
	NONE	G	N	NG	NGI	NNG	NNGI	PHASE/ NEUTRAL	GND/* IG
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	12	12
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	12	12
30	0.5	0.5	0.5	0.5	0.75	0.75	0.75	10	10
40	0.75	0.75	0.75	1	1	1	1	8	10
50	1	1	1	1.25	1.25	1.25	1.25	6	10
60	1	1.25	1.25	1.25	1.5	1.5	1.5	4	10
70	1	1.25	1.25	1.25	1.5	1.5	1.5	4	8
80	1.25	1.25	1.25	1.5	2	2	2	2	8
90	1.25	1.25	1.25	1.5	2	2	2	2	88
100	1.25	1.5	1.5	2	2	2	2.5	1	8
110	1.25	1.5	1.5	2	2	2	2.5	1	6
125	1.25	1.5	1.5	2	2	2	2.5	1	6
150	1.5	2	2	2	2.5	2.5	2.5	1/0	6
175	1.5	2	2	2	2.5	2.5	2.5	2/0	6
200	2	2	2	2.5	2.5	2.5	3	3/0	6
225	2	2.5	2.5	2.5	3	3	3	4/0	4
250	2.5	2.5	2.5	3	3	3	3.5	250	4
300	2.5	3	3	3.5	3.5	3.5	4	350	4
350	3	3.5	3.5	4	4	4	5	500	2
400	2@2	2@2	2@2	2@2.5	2@2.5	2@2.5	2@3	3/0	2
450	2@2	2@2.5	2@2.5	2@2.5	2@3	2@3	2@3	4/0	2
500	2@2.5	2@2.5	2@2.5	2@3	2@3	2@3	2@3.5	250	1
600	2@2.5	2@3	2@3	2@3.5	2@3.5	2@3.5	2@4	350	1
700	2@3	2@3.5	2@3.5	2@4	2@4	2@4	2@5	500	1/0
800	3@2.5	3@3	3@3	3@3	3@3.5	3@3.5	3@3.5	300	1/0
1000	3@3	3@3	3@3	3@3.5	3@4	3@4	3@4	400	2/0
1200	4@2.5	4@3	4@3	4@3.5	4@3.5	4@3.5	4@4	350	3/0
1600	5@3	5@3	5@3	5@3.5	5@4	5@4	5@4	400	4/0
2000	6@3.5	6@3.5	6@3.5	6@4	6@4	6@4	6@5	500	250
2500	7@3.5	7@3.5	7@3.5	7@4	7@4	7@4	7@4	500	350
3000	8@3.5	8@3.5	8@3.5	8@4	8@4	8@4	8@4	500	400

SUBSCRIPT KEY

SUBSCRIPT	CONDUCTORS PER CONDUIT
NONE	3 PHASE CONDUCTORS, CONDUIT GROUND
G	3 PHASE CONDUCTORS, 1 GROUNDING CONDUCTOR
N	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, CONDUIT GROUND
NG	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 GROUNDING CONDUCTOR
NGI	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 GROUNDING CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR
NNG	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS*, 1 GROUNDING CONDUCTOR
NNGI	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS*, 1 GROUNDING CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR

* SINGLE NEUTRAL CONDUCTOR SIZES FOR CIRCUIT RATING 125 AND LESS

PARALLEL CONDUCTORS ARE NOT PERMITTED UNDER 1/0. WHERE DOUBLE NEUTRAL CONDUCTORS ARE INDICATED, PROVIDE AN OVERSIZED NEUTRAL CONDUCTOR IN ACCORDANCE WITH THE FOLLOWING TABLE:

CIRCUIT RATING	15	20	30	40	50	60
SINGLE NEUTRAL CONDUCOTR SIZE	10	8	4	2	1	1/0
CIRCUIT RATING	70	80	90	100	125	
SINGLE NEUTRAL CONDUCTOR SIZE	2/0	3/0	4/0	250	250	

EXAMPLES

NOTES

1. SCHEDULE IS BASED ON 3 CURRENT CARRYING CONDUCTORS IN RACEWAY, CABLE OR EARTH, AT AMBIENT AIR TEMPERATURE OF 30°C (86°F).
2. MODIFY IF USE OF 600MCM CONDUCTORS ARE DESIRED CONFIRM LUG SIZES ARE AVAILABLE.

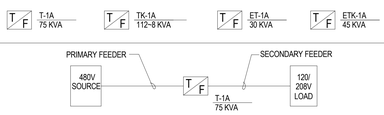
TRANSFORMER SCHEDULE

KVA	FEEDER AMPACITY		SUPPLY SIDE & SYSTEM BONDING JUMPERS PER NEC TABLE 250.102(C)(1)	
	PRIMARY 480V 3 PHASE-3 WIRE	SECONDARY 120/208V 3 PHASE-4 WIRE	COPPER	ALUMINUM
3	15	15	#8	#6
6	15	20	#8	#6
9	15	30	#8	#6
15	25	50	#8	#6
30	50	100	#8	#6
45	70	150	#6	#4
75	110	250	#2	#1/0
112 1/2	175	400	#2/0	#4/0
150	225	500	#2/0	#3/0
225	350	800	#2/0	#4/0
300	450	1000	#3/0	#4/0
500	800	1600	250 KCMIL	300 KCMIL
750	1200	2500	500 KCMIL	600 KCMIL
1000	1600	3500	700 KCMIL	750 KCMIL
1500	2500	5500	1000 KCMIL	1250 KCMIL

FEEDER KEY

TRANSFORMER IDENTIFICATION PREFIX	FEEDER CONFIGURATION	
	PRIMARY	SECONDARY
T	3 PHASE CONDUCTORS 1 GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: G)	3 PHASE CONDUCTORS 1 NEUTRAL CONDUCTOR 1 SUPPLY SIDE BONDING JUMPER (CIRCUIT SUBSCRIPT: NG)
TK	3 PHASE CONDUCTORS 1 GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: G)	3 PHASE CONDUCTORS 2 NEUTRAL CONDUCTORS 1 SUPPLY SIDE BONDING JUMPER (CIRCUIT SUBSCRIPT: NNG)
ET	3 PHASE CONDUCTORS 1 GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: G)	3 PHASE CONDUCTORS 2 NEUTRAL CONDUCTORS 1 SUPPLY SIDE BONDING JUMPER 1 ISOLATED GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: NNGI)

EXAMPLES



REFER KVA RATING TO TABLES ABOVE FOR FEEDER AND GROUNDING REQUIREMENTS

Reserved for permit stamp

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ELECTRICAL WIRING SCHEDULES

E6.02AB

LUMINAIRE SCHEDULE

TYPE	REV	FIXTURE DESCRIPTION	CATALOG NUMBER	VOLTS	WATTS	CONTROL TYPE	SOURCE	DELIVERED LUMENS	CCT	FIXTURE REMARKS
LP	-	DECORATIVE PORTABLE LUMINAIRES	TBD	120V	200W	DIM OR SWITCH ON BOARD	TBD	1000 LM	2700K	FIXTURE IS TO BE COMPLETED WITH PLUG AND CORD.
LD01	-	DECORATIVE LINEAR PENDANT FOR DINING TABLE OR KITCHEN ISLAND	TBD	120V	100W	LED DIM	TBD	1000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED. SUPPLY AND INSTALL SQUARE CANOPY COVER.
LD02	-	DECORATIVE VANITY SCONCE FLANKING MIRROR FOR ALL BATHROOMS	TBD	120V	30W	LED DIM	TBD	1000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED. SUPPLY AND INSTALL SQUARE CANOPY COVER.
LD03	-	DECORATIVE VANITY SCONCE CENTERED ABOVE MIRROR FOR POWDER ROOMS	TBD	120V	30W	LED DIM	TBD	1000 LM	2700K OR 3000K	FIXTURE IS TO BE CEILING OR WALL MOUNTED. SUPPLY AND INSTALL SQUARE CANOPY COVER.
LD10	-	DECORATIVE CUSTOM CHANDELIER FOR BUILDING A & B ENTRY LOBBY	TBD	120V	600W	LED DIM	TBD	6000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED. SUPPLY AND INSTALL SQUARE CANOPY COVER.
LD11	-	DECORATIVE SCONCE FOR PUBLIC STAIRCASES	TBD	277V	6W	0-10V	TBD	700 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD12	-	VANITY SCONCES FOR PUBLIC BATHROOMS	TBD	120V	20W	LED DIM	TBD	1000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD13	-	DECORATIVE SCONCES FOR BUILDING AB RECEPTION	TBD	120V	100W	LED DIM	TBD	1000LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD14	-	WALL MOUNTED ART LIGHTING FOR TOWER AB LOBBY	TBD	120V	100W	LED DIM	TBD	1000LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD15	-	DECORATIVE PENDANTS FOR SKI LOUNGE BAR	TBD	120V	100W	LED DIM	TBD	1000LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD16	-	DECORATIVE PENDANT OVER POOL TABLES FOR SKI LOUNGE POOL ROOM	TBD	120V	300W	LED DIM	TBD	3000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD17	-	DECORATIVE SCONCES FOR CENTER COLUMNS KI LOUNGE	TBD	120V	100W	LED DIM	TBD	1000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD18	-	DECORATIVE PENDANTS FOR BOWLING LOUNGE	TBD	120V	21W	LED DIM	TBD	1500 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD19	-	DECORATIVE PENDANTS FOR BOWLING LOUNGE	TBD	120V	100W	LED DIM	TBD	1000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD20	-	DECORATIVE SCONCES FOR GAME LOUNGE	TBD	120V	100W	LED DIM	TBD	1000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD21	-	DECORATIVE PENDANT OVER POOL TABLE FOR LOUNGE	TBD	120V	300W	LED DIM	TBD	3000 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
LD22	-	DECORATIVE SCONCES FOR LOUNGE	TBD	120V	21W	LED DIM	TBD	1500 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED.
L01-g	-	RECESSED ADJUSTABLE DOWNLIGHT SQUARE FLANGED FOR GYPSUM CEILING	TECH LIGHTING - ENTRA CL C/W IC RATED 8.8" X 5.1" X 3.5" HOUSING, WIDE FLOOD OPTICS AND WHITE FINISH	277V	15W	LED DIM	INTEGRAL LED	1300 LM	2700K	
L01-w	-	RECESSED ADJUSTABLE DOWNLIGHT SQUARE FLANGED FOR WOOD CEILING	TECH LIGHTING - ENTRA CL C/W IC RATED 8.8" X 5.1" X 3.5" HOUSING, WIDE FLOOD OPTICS AND BLACK FINISH	277V	15W	LED DIM	INTEGRAL LED	1300 LM	2700K	
L02-g	-	RECESSED ADJUSTABLE DOWNLIGHT SQUARE FLANGED FOR GYMSUM CEILING (WET LOCATION)	TECH LIGHTING - ENTRA CL C/W IC RATED 8.8" X 5.1" X 3.5" HOUSING, WIDE FLOOD OPTICS AND WHITE FINISH, SUITABLE FOR WET LOCATION	277V	15W	LED DIM	INTEGRAL LED	1300 LM	2700K	
L02-w	-	RECESSED ADJUSTABLE DOWNLIGHT SQUARE FLANGED FOR WOOD CEILING (WET LOCATION)	TECH LIGHTING - ENTRA CL C/W IC RATED 8.8" X 5.1" X 3.5" HOUSING, WIDE FLOOD OPTICS AND BLACK FINISH, SUITABLE FOR WET LOCATION	277V	15W	LED DIM	INTEGRAL LED	1300 LM	2700K	
L03-g	-	RECESSED ADJUSTABLE MULTIPLE DOWNLIGHT 1X2 RECTANGULAR FLANGED FOR GYMSUM CEILING	TECH LIGHTING - ELEMENT MULTIPLE C/W IC RATED 14.9" X 8.7" X 5.8" HOUSING, WIDE FLOOD OPTICS AND WHITE FINISH	277V	35W	LED DIM	INTEGRAL LED	2600 LM	2700K	
L03-w	-	RECESSED ADJUSTABLE MULTIPLE DOWNLIGHT 1X2 RECTANGULAR FLANGED FOR WOOD CEILING	TECH LIGHTING - ELEMENT MULTIPLE C/W IC RATED 14.9" X 8.7" X 5.8" HOUSING, WIDE FLOOD OPTICS AND BLACK FINISH	277V	35W	LED DIM	INTEGRAL LED	2600 LM	2700K	
L04	-	CONCEALED LINEAR UNDERCABINET STRIP LIGHT	ENVIROMENTAL LIGHTS - CONTINUOUS LED STRIP LIGHT	277V	3W/LF	LED DIM	INTEGRAL LED	300 LM/F	2700K	HOUSING TYPE TO BE COORDINATED WITH CABINETRY SHOP DRAWINGS PRIOR TO PROCUREMENT. EXACT LENGTH OF THE FIXTURE RUN IS TO BE AS PER DRAWINGS.
L05	-	RECESSED LINEAR LED COVE FOR AMENITY SPACE	FOCAL POINT - SEEM 2 C/W 2.5" REGRESS FLANGE-LESS HOUSING AND DIFFUSE LENS	277V	3W/LF	0-10V	INTEGRAL LED	250 LM/FT	2700K	EXACT LENGTH OF THE FIXTURE RUN IS TO BE AS PER DRAWINGS.
L06	-	SURFACE MOUNTED LENSED LINEAR UTILITY STRIP FOR KIDS ROOM	BARTCO LIGHTING - BSS210 ROUND LENS AND WHITE FINISH	277V	110W	0-10V	INTEGRAL LED	10,000 LM	2700K	
L07	-	8 INCH DIAMETER SURFACE MOUNTED LED PANEL FOR KIDS ROOM	DMF - DRDS88R C/W DIFFUSE LENS AND WHITE FINISH	277V	15W	LED DIM	INTEGRAL LED	1500 LM	2700K	SUPPLY AND INSTALL DEEP J-BOX TO HOUSE LIGHTING DRIVER
L08	-	5 INCH DIAMETER SURFACE MOUNTED LED PANEL FOR KIDS ROOM	DMF - DRDS54R C/W DIFFUSE LENS AND WHITE FINISH	277V	12W	LED DIM	INTEGRAL LED	1500 LM	2700K	SUPPLY AND INSTALL DEEP J-BOX TO HOUSE LIGHTING DRIVER
L09	-	4 INCH X 18 INCH SURFACE MOUNTED LED PANEL FOR CLOSETS	DMF - DRDS54L C/W DIFFUSE LENS AND WHITE FINISH	277V	17W	LED DIM	INTEGRAL LED	1500 LM	2700K	SUPPLY AND INSTALL DEEP J-BOX TO HOUSE LIGHTING DRIVER
L10	-	5 INCH X 5 INCH SURFACE MOUNTED SLIM LIGHT FOR CLOSETS	DMF - DRDS54S C/W DIFFUSE LENS AND WHITE FINISH	277V	12W	LED DIM	INTEGRAL LED	1500 LM	2700K	SUPPLY AND INSTALL DEEP J-BOX TO HOUSE LIGHTING DRIVER
L11	-	LENSED LINEAR UTILITY STRIP FOR BACK OF HOUSE AREA	BARTCO LIGHTING - BSS210 ROUND LENS WITH WHITE FINISH	277V	110W	0-10V	INTEGRAL LED	10,000 LM	3000K	
L12	-	8FT LENSED LINEAR UTILITY STRIP FOR BASEMENT LEVEL GARAGE	BARTCO LIGHTING - BSW210 ROUND LENS WITH WHITE FINISH	277V	110W	0-10V	INTEGRAL LED	10,000 LM	3000K	
L13	-	4FT LENSED LINEAR UTILITY STRIP FOR BASEMENT LEVEL GARAGE	BARTCO LIGHTING - BSW210 ROUND LENS WITH WHITE FINISH	277V	110W	0-10V	INTEGRAL LED	10,000 LM	3000K	
L14	-	WALL MOUNTED SCONCE AT ELEVATOR DOORS	HK LIGHTING - ZX20-WM C/W WIDE FLOOD SORAA PAR20 LED REPLACEMENT LAMP	277V	11W	LED DIM	INTEGRAL LED	500 LM	2700K	FIXTURE IS TO BE CEILING OR WALL MOUNTED. SUPPLY AND INSTALL SQUARE CANOPY COVER.
L15	-	CONCEALED LINEAR UPLIGHT STRIP	ENVIROMENTAL LIGHTS - CONTINUOUS LED STRIP LIGHT	277V	3W/LF	LED DIM	INTEGRAL LED	300 LM/F	2700K	HOUSING TYPE TO BE COORDINATED WITH CABINETRY SHOP DRAWINGS PRIOR TO PROCUREMENT. EXACT LENGTH OF THE FIXTURE RUN IS TO BE AS PER DRAWINGS.
L16	-	SURFACE MOUNTED CYLINDER DOWNLIGHT FOR OPEN CEILING AREAS	TECH LIGHTING - ENTRA 3 FIXED CYLINDER C/W MFL OPTICS AND SILVER FINISH	277V	27W	LED DIM	INTEGRAL LED	2900 LM	2700K	SURFACE MOUNTED CONDUIT TO BE PAINTED TO MATCH SURFACE FINISH
L17	-	1FT X 4FT RECESSED LED PANEL FOR BACK OF HOUSE AREAS WITH T-BAR CEILING	ACUITY - CPANL WITH DIFFUSE OPTICS AND WHITE FINISH	277V	41W	0-10V	INTEGRAL LED	4400 LM	3500K	
L18	-	CONCEALED LINEAR INCABINET STRIP	ENVIRONMENTAL LIGHTS - CONTINUOUS LED STRIP LIGHT	277V	3W/F	LED DIM	INTEGRAL LED	300 LM/FT	2700K	
L19	-	RECESSED LINEAR LED COVE FOR RES. UNITS	FOCAL POINT - SEEM 2 C/W 2.5" REGRESS FLANGE-LESS HOUSING AND DIFFUSE LENS	277V	3W/F	LED DIM	INTEGRAL LED	250 LM/FT	2700K	
L20-g	-	ADJUSTABLE MULTIPLE DOWNLIGHT 1X2 RECTANGULAR FLANGED FOR GYPSUM CEILING	TECH LIGHTING - ELEMENT MULTIPLE WITH WIDE FLOOD OPTICS	277V	35W	LED DIM	INTEGRAL LED	2600 LM	2700K	
L20-w	-	ADJUSTABLE MULTIPLE DOWNLIGHT 1X2 RECTANGULAR FLANGED FOR WOOD CEILING	TECH LIGHTING - ELEMENT MULTIPLE WITH WIDE FLOOD OPTICS	277V	35W	LED DIM	INTEGRAL LED	2600 LM	2700K	
L21	-	CYLINDER PENDANT DOWNLIGHT FOR BOWLING	TECH LIGHTING - ENTRA CYLINDER SUSPENDED	277V	15W	LED DIM	INTEGRAL LED	1300 LM	2700K	
L22	-	RECESSED LINEAR LED STATIC BLUE UPLIGHT FOR BOWLING	ENVIRONMENTAL LIGHTS - FLEX LED NEON BLUE REGRESS FLANGE-LESS HOUSING AND DIFFUSE LENS	277V	3 W/FT	0-10V	INTEGRAL LED	250 LM/FT	2700K	
L23	-	CONCEALED LINEAR UNDERCABINET STRIP FOR LIQUOR DISPLAY SHELVES AND BOOK SHELF LIGHTING	ENVIROMENTAL LIGHTS - CONTINUOUS LED STRIP LIGHT	277V	3 W/FT	LED DIM	INTEGRAL LED	300 LM/FT	2700K	
L24	-	CONCEALED LINEAR INCABINET STRIP TO BE CONCEALED WITHIN CAVITY UNDERNEATH SANDBLASTED GLASS SHELF BAR AT LOUNGE	ENVIROMENTAL LIGHTS - CONTINUOUS LED STRIP LIGHT	277V	4 W/FT	LED DIM	INTEGRAL LED	301 LM/FT	2700K	
X01	-	WALL MOUNTED SCONCE FOR EXTERIOR GARAGE AND EXTERIOR DOORS	BEGA US - 33242 WITH DIRECT FULL CUT OFF OPTICS	277V	23W	0-10V	INTEGRAL LED	1600 LM	2700K	
X02	-	STEEL BEAM MOUNTED CYLINDER DOWNLIGHT FOR BUILDING FACADES	BK LIGHTING - HUME SERIES WITH WFL DIRECT FULL CUT OFF OPTICS AND BLF FINISH	277V	34W	0-10V	INTEGRAL LED	3400 LM	2700K	
X03	-	RECESSED STEPLIGHT FOR LANDSCAPE STAIRS	BK LIGHTING - MINI MICRO WITH DIRECT FULL CUT OFF OPTICS AND BLF FINISH	277V	3W	MLV	INTEGRAL LED	200 LM	2700K	
X04	-	BOLLARD FOR POOL AREA AND PATHLIGHTING	BEGA US - 99058 WITH DIRECT ASYMMETRIC FULL CUT OFF OPTICS AND BLACK FINISH	277V	15W	0-10V	INTEGRAL LED	1300 LM	2700K	
X05	-	POLE SINGLE SIDED LUMINAIRE FOR ROADS AND EXTERIOR PARKING AND POOL AREA	SELUX - ARCA SINGLE WITH DIRECT ASYMMETRIC FULL CUT OFF OPTICS AND BLACK FINISH	277V	36W	LED DIM	INTEGRAL LED	3500 LM	2700K	TOP OF LUMINAIRE IS TO BE FLUSH WITH TOP OF STEEL SHADING ROOFS BY POOL
X06	-	POLE DOUBLE SIDED LUMINAIRE FOR AREAS BETWEEN POOL AND LAWN	SELUX - ARCA DOUBLE WITH DIRECT ASYMMETRIC FULL CUT OFF OPTICS AND BLACK FINISH	277V	72W	LED DIM	INTEGRAL LED	7000 LM	2700K	TOP OF LUMINAIRE IS TO BE FLUSH WITH TOP OF STEEL SHADING ROOFS BY POOL
X07	-	WALL MOUNTED SCONCE FOR GATES TO POOL AREA	BEGA US - 33814 WITH DIRECT ASYMMETRIC FULL CUT OFF	277V	11W	0-10V	INTEGRAL LED	700 LM	2700K	
X08	-	RECESSED CONCRETE STEPLIGHT FOR LANDSCAPE STAIRS	SISTEMALUX - GHOST LINEAR 9 INCH WITH DIRECT ASYMMETRIC FULL CUT OFF	277V	4W	0-10V	INTEGRAL LED	200 LM	3000K	
X09	-	STEEL MOUNTED CYLINDER DOWNLIGHT FOR STEEL CANOPIES AT POOL AND ON BUILDINGS	BK LIGHTING - ARTISTAR SERIES WITH WFL DIRECT FULL CUT OFF AND BLF FINISH	277V	10W	MLV	INTEGRAL LED	1000 LM	2700K	SUPPLY AND INSTALL REMOTE TRANSFORMER. LOCATION OF REMOTE TRANSFORMER IS TO BE COORDINATED AND CONFIRMED PRIOR TO CONSTRUCTION.
EXIT SIGN		EXIT SIGN FOR GENERAL INTERIOR	SURE LITES: LPX SERIES, AC, SELF DIAGNOSTICS	MVOLT	5W	-	LED	-		PROVIDE ALL NECESSARY ACCESSORIES TO MOUNT EXIT SIGNS. REFER TO THE LIGHTING PLAN FOR THE QUANTITY OF FACES AND ARROWS.
EXIT SIGN		EXIT SIGN FOR WET LOCATION	SURE LITES: LPX SERIES, AC, SELF DIAGNOSTICS	MVOLT	5W	-	LED	-		PROVIDE ALL NECESSARY ACCESSORIES TO MOUNT EXIT SIGNS. REFER TO THE LIGHTING PLAN FOR THE QUANTITY OF FACES AND ARROWS.

Reserved for permit stamp

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LUMINAIRE SCHEDULE

E6.03AB

SWITCHBOAR... SWBD MS-P1C1

277/480 OUTDOOR

Location: | **Fed From:** UTILITY XFMR | **Neutral:** YES
Main Bus: 800 A | **Wires:** 4W + G | **Ground Bus:** YES
MCB: 800 A | **Enclosure:** NEMA 1 | **Isolated Ground Bus:** NO
Voltage: 480/277 Wye | **Bus Type:** COPPER | **200% Neutral** NO
AIC Rating: 35 kA | **Mounting:** FLOOR

CKT	Circuit Description	# of Poles	Frame	Rating	Load	Remarks
1	MPH-1C1	3	600 A	600 A	321460 VA	
2	LPH-P1C1	3	225 A	225 A	14197 VA	
3	T-EV-C	3	350 A	350 A	115200 VA	
4	E-ATS-P1C	3	400 A	400 A	5827 VA	
5	S-ATS-P1C	3	600 A	600 A	0 VA	
6	O-ATS-P1C	3	400 A	400 A	0 VA	
7						
8						
9						
10						
11						
12						

Total Conn. Load:
Total Amps:

SWBD MS-P1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
ELEV	0 VA		0 VA		
RCPTS	360 VA		360 VA	**Total Conn. Load:**	456684 VA
LTS	12524 VA		15654 VA	**Total Est. Demand:**	498057 VA
MTRS	320220 VA		358463 VA	**Total Conn.:**	549 A
HEAT	4560 VA		4560 VA	**Total Est. Demand:**	599 A
MISC	115500 VA		115500 VA		
Power	3520 VA		3520 VA		

Notes:
*See Demand Factor Table

SWITCHBOAR... SWBD MS-P1C2

120/208 OUTDOOR

Location: TOWER C ELECTRICAL... | **Fed From:** UTILITY XFMR | **Neutral:** YES
Main Bus: 2000 A | **Wires:** 4W + G | **Ground Bus:** YES
MCB: 2000 A | **Enclosure:** NEMA 1 | **Isolated Ground Bus:** NO
Voltage: 120/208 Wye | **Bus Type:** COPPER | **200% Neutral** NO
AIC Rating: 65 kA | **Mounting:** FLOOR

CKT	Circuit Description	# of Poles	Frame	Rating	Load	Remarks
1	MM-C	3	1800 A	1800 A	1330077 VA	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Total Conn. Load:
Total Amps:

SWBD MS-P1C2 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
Spare	1330077 VA			**Total Conn. Load:**	1330077 VA
				Total Est. Demand:	518730 VA
				Total Conn.:	3692 A
				Total Est. Demand:	1440 VA

Notes:
*See Demand Factor Table

BRANCH PANEL: S-DPH-P1C

Location: STORAGE C007 | **Fed From:** S-ATS-P1C
Main Bus: 600 A | **Wires:** 4 | **Neutral Bus:** YES
MCB: 600A | **Enclosure:** NEMA 1 | **Ground Bus:** YES
Voltage: 480/277 Wye | **Bus Type:** COPPER | **Isolated Ground Bus:** NO
AIC Rating: 35 kA | **Mounting:** SURFACE | **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	ELEVATOR	ELEV	225 A	3	0 VA	0 VA		3	20 A	MISC	SMPH-8C1	2
3	--	--	--			0 VA	0 VA			--	--	4
5	--	--	--				0 VA	0 VA		--	--	6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42

Total Load: 0 VA | 0 VA | 0 VA
Total Amps: 0 A | 0 A | 0 A

S-DPH-P1C LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
ELEV	0 VA		0 VA		
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: EV-C

Location: TOWER C LVL P1 C ELEC... | **Fed From:** T-EV-C
Main Bus: 800 A | **Wires:** 4W + G | **Neutral Bus:** YES
MCB: 800A | **Enclosure:** NEMA 1 | **Ground Bus:** YES
Voltage: 120/208 Wye | **Bus Type:** COPPER | **Isolated Ground Bus:** NO
AIC Rating: 10 kA | **Mounting:** WALL MOUNTED | **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...	--	--	--	--	4
5	EV CAR CHARGER	MISC	40 A	2			3200...	2	40 A	MISC	EV CAR CHARGER	6
7	--	--	--		3200...	3200...		--	--	--	--	8
9	EV CAR CHARGER	MISC	40 A	2			3200...	2	40 A	MISC	EV CAR CHARGER	10
11	--	--	--					--	--	--	--	12
13	EV CAR CHARGER	MISC	40 A	2	3200...	3200...		2	40 A	MISC	EV CAR CHARGER	14
15	--	--	--				3200...	--	--	--	--	16
17	EV CAR CHARGER	MISC	40 A	2			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...	--	--	--	--	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...	2	40 A	MISC	EV CAR CHARGER	30
31	--	--	--		3200...	3200...		--	--	--	--	32
33						3200...		2	40 A	MISC	EV CAR CHARGER	34
35							3200...	--	--	--	--	36
37					3200...			2	40 A	MISC	EV CAR CHARGER	38
39						3200...		--	--	--	--	40
41												42

Total Load: 41600 VA | 38400 VA | 35200 VA
Total Amps: 351 A | 324 A | 293 A

EV-C LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MISC	115200 VA		115200 VA		
				Total Conn. Load:	115200 VA
				Total Est. Demand:	115200 VA
				Total Conn.:	320 A
				Total Est. Demand:	320 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-P1C1

Location: STORAGE C007 | **Fed From:**
Main Bus: 250 A | **Wires:** 4 | **Neutral Bus:** YES
MCB: 250 A | **Enclosure:** NEMA 1 | **Ground Bus:** YES
Voltage: 120/208 Wye | **Bus Type:** COPPER | **Isolated Ground Bus:** NO
AIC Rating: 10 kA | **Mounting:** SURFACE MOUNTED | **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 Room C112, C001	RCPTS	20 A	1	720 VA	1000...		3	20 A	MTRS	GARAGE DOORS	2
3	MISC entry lobby C001	RCPTS	20 A	1		0 VA	1000...	--	--	--	--	4
5	Power entry lobby C001	RCPTS	20 A	1			1040...	--	--	--	--	6
7						1080...		1	20 A	RCPTS	Power	8
9	LP-1C1	Power;...	20 A	3		7440...	720 VA	1	20 A	RCPTS	Power	10
11	--	--	--	--			7120...	540 VA	1	20 A	RCPTS	Power Space C0001	12
13	--	--	--	--	7600...	180 VA			1	20 A	RCPTS	Power	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41							1000...	1	20 A	HEAT	HEAT	42

Total Load: 10580 VA | 9160 VA | 10700 VA
Total Amps: 90 A | 76 A | 91 A

LP-P1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	16960 VA		13480 VA		
MTRS	4000 VA		4750 VA	**Total Conn. Load:**	30440 VA
HEAT	4560 VA		4560 VA	**Total Est. Demand:**	27710 VA
MISC	0 VA		0 VA	**Total Conn.:**	84 A
Power	4560 VA		4560 VA	**Total Est. Demand:**	77 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-P1C1

Location: STORAGE C007 | **Fed From:** SWBD MS-P1C1
Main Bus: 225 A | **Wires:** 4 | **Neutral Bus:** YES
MCB: 225A | **Enclosure:** NEMA 1 | **Ground Bus:** YES
Voltage: 480/277 Wye | **Bus Type:** COPPER | **Isolated Ground Bus:** NO
AIC Rating: 35 kA | **Mounting:** SURFACE MOUNTED | **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	LTS LEVEL P1	LTS	20 A	1	2416...	2260...		3	150 A	Power;...	LPH-8C1	2
3	LTS LEVEL P1	LTS	20 A	1			2420...	1900...	--	--	--	4
5	LTS LEVEL1	LTS	20 A	1				3302...	1900...	--	--	--	6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37	T-P1C1-L	MISC	110 A	3	0 VA								38
39	--	--	--			0 VA							40
41	--	--	--				0 VA						42

Total Load: 4676 VA | 4320 VA | 5202 VA
Total Amps: 17 A | 16 A | 19 A

LPH-P1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
LTS	8137 VA		10171 VA		
MTRS	540 VA		585 VA	**Total Conn. Load:**	14197 VA
HEAT	3000 VA		3000 VA	**Total Est. Demand:**	16276 VA
Power	2520 VA		2520 VA	**Total Conn.:**	17 A
				Total Est. Demand:	20 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELPH-P1C1

Location: STORAGE C007 | **Fed From:** E-ATS-P1C
Main Bus: 225 A | **Wires:** 4 | **Neutral Bus:** YES
MCB: 225 A | **Enclosure:** NEMA 1 | **Ground Bus:** YES
Voltage: 480/277 Wye | **Bus Type:** COPPER | **Isolated Ground Bus:** NO
AIC Rating: 22 kA | **Mounting:** SURFACE MOUNTED | **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	SITE LIGHTING	LTS	20 A	1	53 VA	1610...		1	20 A	LTS	LTS LEVEL P1	2
3	LTS LEVEL1	LTS	20 A	1		1382...	517 VA	1	20 A	LTS	LTS LEVEL 2, 3&4	4
5	LTS STAIR	LTS	20 A	1			102 VA	102 VA	1	20 A	LTS	LTS STAIR	6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31	ELPH-8C1	LTS	60 A	3	441 VA								32
33	--	--	--			90 VA							34
35	--	--	--				90 VA						36
37	T-P1C1-E	MISC;...	70 A	3	930 VA								38
39	--	--	--			330 VA							40
41	--	--	--				180 VA						42

Total Load: 3034 VA | 2319 VA | 474 VA
Total Amps: 12 A | 9 A | 2 A

ELPH-P1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	360 VA		360 VA		
LTS	4387 VA		5483 VA	**Total Conn. Load:**	5827 VA
MTRS	780 VA		975 VA	**Total Est. Demand:**	7118 VA
MISC	300 VA		300 VA	**Total Conn.:**	7 A
				Total Est. Demand:	9 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELP-P1C1

Location: TOWER C ELECTRICAL... | **Fed From:** T-P1C1-E
Main Bus: 225 A | **Wires:** 4 | **Neutral Bus:** YES
MCB: 225 A | **Enclosure:** NEMA 1 | **Ground Bus:** YES
Voltage: 120/208 Wye | **Bus Type:** COPPER | **Isolated Ground Bus:** NO
AIC Rating: 10 kA | **Mounting:** SURFACE MOUNTED | **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	MTRS	MTRS	20 A	1	780 VA	150 VA		1	20 A	MISC	MISC	2
3	Power	RCPTS	20 A	1		180 VA	150 VA	1	20 A	MISC	MISC	4
5	ELEV TOP OF SHAFT GFCI...	RCPTS	20 A	1			180 VA					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42

Total Load: 930 VA | 330 VA | 180 VA
Total Amps: 8 A | 3 A | 2 A

ELP-P1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	360 VA		360 VA		
MTRS	780 VA		975 VA	**Total Conn. Load:**	1440 VA
MISC	300 VA		300 VA	**Total Est. Demand:**	1635 VA
				Total Conn.:	4 A
				Total Est. Demand:	5 A

Notes:
*See Demand Factor Table

Reserved for permit stamp

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07/15/2022

ELECTRICAL SCHEDULES

E6.01C

BRANCH PANEL: LP-1C1

Location: MEP C106
Main Bus: 225 A
MCB: 225A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: LP-P1C1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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	Room C112, C101 RCPTS	RCPTS	20 A	1	540 VA	180 VA		1	20 A	RCPTS	FA CLOSET RCPT	2
3	ENTRANCE FIRE PLACE	HEAT	20 A	1		0 VA	--	1	--	--	Space	4
5	FIRE PLACE FLUE FAN	MTRS	20 A	1			500 VA	--	1	--	--	Space	6
7	skier lounge C101 RCPTS	RCPTS	20 A	1	1080...	180 VA			1	20 A	RCPTS	GOLF SIM C108 A/C GFI	8
9	CORRIDOR MISC RCPTS	RCPTS	20 A	1			900 VA	0 VA			1	20 A	RCPTS	GOLF SIM C108 A/C PROJ	10
11	Space	--	--	1			--	--	360 VA	1	20 A	RCPTS	Receptacle MEP C110	12
13	LOUNGE FIRE PLACE	HEAT	20 A	1	0 VA	900 VA				1	20 A	Power	Power	14
15	FIRE PLACE FLUE FAN	MTRS	20 A	1			500 VA	180 VA		1	20 A	RCPTS	Receptacle MEP C110	16
17	Space	--	--	1			--	--	360 VA	1	20 A	Power	Power MEP C110	18
19	Space	--	--	1	--	360 VA				1	20 A	Power	Power	20
21	lounge C111 RCPTS	RCPTS	20 A	1			360 VA	360 VA		1	20 A	Power	Power	22
23	lounge C111 A/C RCPTS	RCPTS	20 A	1			360 VA	360 VA		1	20 A	RCPTS	Receptacle	24
25	lounge C111 A/C RCPTS	RCPTS	20 A	1	360 VA	0 VA				1	20 A	MISC	MISC	26
27	LOUNGE C111 U/C FRIDGE	RCPTS	20 A	1			800 VA	360 VA		1	20 A	RCPTS	Power	28
29	lounge C111 A/C RCPTS	RCPTS	20 A	1				180 VA	180 VA	1	20 A	RCPTS	Receptacle	30
31	LOUNGE C111 U/C FRIDGE	RCPTS	20 A	1	800 VA									32
33	RCPTS lounge C111	RCPTS	20 A	1			800 VA							34
35	MEP ROOM MISC RCPT	RCPTS	20 A	1				180 VA						36
37	TOILET RCPTS	Power;...	20 A	1	540 VA									38
39	Space	--	--	1		--								40
41	CORRIDOR MISC RCPTS	Power...	20 A	1				900 VA	180 VA	1	20 A	Power	Power	42
43	RCPTS lounge C111	RCPTS	20 A	1	800 VA									44
45	LOUNGE C111 TV	RCPTS	20 A	1			500 VA							46
47	LOUNGE C111 U/C ICE...	RCPTS	20 A	1				500 VA						48
49	RCPTS lounge C111	RCPTS	20 A	1	800 VA	540 VA				1	20 A	Power;...	Receptacle club storage C107A	50
51	Receptacle Space C113	Receptacle	20 A	1			360 VA	500 VA		1	20 A	Power	Receptacle simulation C107	52
53	HEAT	HEAT	20 A	1				1560...	500 VA	1	20 A	Power	Receptacle simulation C107	54
55						360 VA				1	20 A	Power	Receptacle simulation C107	56
57	Power	HEAT	20 A	1			1000...	500 VA		1	20 A	Power	Receptacle golf simulator C107	58
59	Power	HEAT	20 A	1				1000...	180 VA	1	20 A	RCPTS	RCPTS MEP C110	60
			Total Load:		7440 VA		7120 VA		7600 VA					
			Total Amps:		62 A		59 A		64 A					

LP-1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	12680 VA		11340 VA	
MTRS	1000 VA		1125 VA	**Total Conn. Load:** 22160 VA
HEAT	3560 VA		3560 VA	**Total Est. Demand:** 20945 VA
MISC	0 VA		0 VA	**Total Conn.:** 62 A
Power	4560 VA		4560 VA	**Total Est. Demand:** 58 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLPH-1C1

Location: MEP C106
Main Bus: 225 A
MCB: 225
Voltage: 480/277 Wye
AIC Rating: 22 kA

Fed From: O-ATS-P1C
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	T-0-1C1	MISC	110 A	3	0 VA							38
39	--	--	--	--		0 VA						40
41	--	--	--	--			0 VA					42
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

OLPH-1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-8C1

Location: ELEC C802
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: LPH-P1C1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	T-8C1-L	Power;...	110 A	3	2260...							38
39	--	--	--	--		1900...						40
41	--	--	--	--			1900...					42
			Total Load:		2260 VA	1900 VA	1900 VA					
			Total Amps:		8 A	7 A	7 A					

LPH-8C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	540 VA		585 VA	
HEAT	3000 VA		3000 VA	**Total Conn. Load:** 6060 VA
Power	2520 VA		2520 VA	**Total Est. Demand:** 6105 VA
				Total Conn.: 7 A
				Total Est. Demand: 7 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MPH-1C1

Location: TOWER C LVL 1 MEP C106
Main Bus: 600 A
MCB: 600A
Voltage: 480/277 Wye
AIC Rating: 35 kA

Fed From: SWBD MS-P1C1
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 C-1-1	MTRS	30 A	3	5820...	3880...		3	20 A	MTRS	MTRS	2
3	--	--	--	--		5820...	3880...	--	--	--	--	4
5	--	--	--	--			5820...	3880...	--	--	--	6
7	SHWP C-1-2	MTRS	30 A	3	5820...	3880...		3	20 A	MTRS	MTRS	8
9	--	--	--	--		5820...	3880...	--	--	--	--	10
11	--	--	--	--			5820...	3880...	--	--	--	12
13	PHWP C-1-2	MTRS	30 A	3	3880...	7483...		3	20 A	MTRS	MTRS	14
15	--	--	--	--		3880...	7483...	--	--	--	--	16
17	--	--	--	--			3880...	7483...	--	--	--	18
19	PHWP C-1-1	MTRS	30 A	3	3880...	7483...		3	20 A	MTRS	MTRS	20
21	--	--	--	--		3880...	7483...	--	--	--	--	22
23	--	--	--	--			3880...	7483...	--	--	--	24
25	BP C-1-1	MTRS	15 A	3	2107...	2327...		3	20 A	MTRS	AHU C-1-1	26
27	--	--	--	--		2107...	2327...	--	--	--	--	28
29	--	--	--	--			2107...	2327...	--	--	--	30
31	BP C-1-2	MTRS	15 A	3	2107...	1830...		1	20 A	MTRS	FPT C-1-1A & FPT C-1-1B	32
33	--	--	--	--		2107...	3390...	1	15 A	MTRS	FPT C-1-2, FPT C-1-3 & FPT...	34
35	--	--	--	--			2107...	1220...	1	15 A	MTRS	FPT C-1-4 & FPT C-1-5	36
37	MPH-8C1	MTRS	400 A	3	5489...	780 VA		1	15 A	MTRS	FPT C-1-7	38
39	--	--	--	--			5489...					40
41	--	--	--	--				5489...				42
43												44
45												46
47												48
49												50
51												52
53												54
55	T-1C1-M	Power;...	110 A	3	1000...							56
57	--	--	--	--			500 VA					58
59	--	--	--	--				2060...				60
			Total Load:		107170 VA		107450 VA		106840 VA			
			Total Amps:		387 A		388 A		386 A			

MPH-1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	318900 VA		357143 VA	
HEAT	1560 VA		1560 VA	**Total Conn. Load:** 321460 VA
Power	1000 VA		1000 VA	**Total Est. Demand:** 359703 VA
				Total Conn.: 387 A
				Total Est. Demand: 433 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLP-1C1

Location: MEP C106
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-P1C1-O
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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	OLP-8C1	MISC	20 A	3	0 VA							2
3	--	--	--	--		0 VA						4
5	--	--	--	--			0 VA					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

OLP-1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MPH-8C1

Location: TOWER 2 LVL 8 ELEC
Main Bus: 400 A
MCB: 400A
Voltage: 480/277 Wye
AIC Rating: 22 kA

Fed From: MPH-1C1
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	KX C-R-2	MTRS	15 A	3	1273...	277 VA			3	15 A	MTRS	DX C-R-1	2
3	--	--	--	--		1273...	277 VA		--	--	--	--	4
5	--	--	--	--			1273...	277 VA	--	--	--	--	6
7	TX C-R-2	MTRS	15 A	3	277 VA	527 VA			3	15 A	MTRS	TX C-R-1	8
9	--	--	--	--		277 VA	527 VA		--	--	--	--	10
11	--	--	--	--			277 VA	527 VA	--	--	--	--	12
13	DX C-R-2	MTRS	15 A	3	277 VA	1273...			3	15 A	MTRS	KX C-R-1	14
15	--	--	--	--		277 VA	1273...		--	--	--	--	16
17	--	--	--	--			277 VA	1273...	--	--	--	--	18
19	ASHP C-R-1	MTRS	200 A	3	5099...								20
21	--	--	--	--		5099...							22
23	--	--	--	--			5099...						24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:		54893 VA		54893 VA		54893 VA			
			Total Amps:		198 A		198 A		198 A			

MPH-8C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	164680 VA		202923 VA	
				Total Conn. Load: 164680 VA
				Total Est. Demand: 202923 VA
				Total Conn.: 198 A
				Total Est. Demand: 244 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MP-1C1

Location: TOWER C LVL 1 MEP C106
Main Bus: 225 A
MCB: 225A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-1C1-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					1000...			1	20 A	Power	Power	2
3						500 VA		2	20 A	MTRS	MTRS	4
5	HEAT	HEAT	20 A	1			1560...	500 VA	--	--	--	--	6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:		1000 VA		500 VA		2060 VA			
			Total Amps:		9 A		4 A		18 A			

MP-1C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	1000 VA		1250 VA	
HEAT	1560 VA		1560 VA	**Total Conn. Load:** 3560 VA
Power	1000 VA		1000 VA	**Total Est. Demand:** 3810 VA
				Total Conn.: 10 A
				Total Est. Demand: 11 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-8C1

Location: ELEC C802
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-8C1-L
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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	Power	20 A	1	900 VA	180 VA		1	20 A	Power	Power	2
3	Power	Power	20 A	1		900 VA						4
5	Power	Power	20 A	1			360 VA					6
7	Power	Power	20 A	1	180 VA							8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35							540 VA	1	20 A	MTRS	MTRS	36
37					1000...			1	20 A	HEAT	HEAT	38
39						1000...		1	20 A	HEAT	HEAT	40
41							1000...	1	20 A	HEAT	Power	42
			Total Load:		2260 VA		1900 VA		1900 VA			
			Total Amps:		19 A		16 A		16 A			

LP-8C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	540 VA		585 VA	
HEAT	3000 VA		3000 VA	**Total Conn. Load:** 6060 VA
Power	2520 VA		2520 VA	**Total Est. Demand:** 6105 VA
				Total Conn.: 17 A
				Total Est. Demand: 17 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELPH-8C1

Location: ELEC C802
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: ELPH-P1C1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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						441 VA		1	20 A	LTS	LTS LVL-5,6,7,8	2
3							90 VA	1	20 A	LTS	LTS STAIR 05	4
5								90 VA	1	20 A	LTS	LTS STAIR 06	6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:			441 VA	90 VA						
			Total Amps:			2 A	0 A		0 A				

ELPH-8C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
LTS	621 VA		776 VA	
				Total Conn. Load: 621 VA
				Total Est. Demand: 776 VA
				Total Conn.: 1 A
				Total Est. Demand: 1 A

Notes:
*See Demand Factor Table

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checked by Checker
job no. _____
date 07/15/2022

revisions:

no. date by

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07/15/2022

ELECTRICAL SCHEDULES

E6.02C

BRANCH PANEL: SMPH-8C1

Location: EM ELEC C029
Main Bus: 225 A
MCB: 225 A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: S-DPH-P1C
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

SMPH-8C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLP-8C1

Location: ELEC C802
Main Bus: 225 A
MCB: 225 A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: OLP-1C1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE 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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLP-8C1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

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ELECTRICAL SCHEDULES

E6.03C

SWITCHBOAR... MS-P2A1

Location: MAIN ELEC SWITCHBOARD 403SF
Main Bus: 3000 A
MCB: 3000A
Voltage: 480/277 Wye
AIC Rating: 65,000 A

Fed From: UTILITY XFMR
Wires: 4
Enclosure: 1
Bus Type: COPPER
Mounting: FLOOR

277/480V OUTDOOR

Neutral: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral NO

CKT	Circuit Description	# of Poles	Frame	Rating	Load	Remarks
1	LPH-BA1	3	400 A	400 A	274261 VA	
2	LPH-P2A1	3	400 A	400 A	40597 VA	
3	MPH-P2A1	3	400 A	400 A	277360 VA	
4	MPH-P1B1	3	400 A	400 A	490490 VA	
5	LPH-BB1	3	400 A	400 A	6375 VA	
6	T-EV-A	3	400 A	400 A	198400 VA	
7						
8	LPH-P2A2	3	400 A	400 A	1800 VA	
9	ELEVATOR S1	3	400 A	20 A	500 VA	
10	O-ATS-P2A	3	400 A	20 A	0 VA	
11	S-ATS-P2A	3	400 A	400 A	217700 VA	
12	E-ATS-P2A	3	400 A	400 A	53480 VA	
13	LPH-P2B1	3	400 A	400 A	39305 VA	
14	ELEVATOR P3	3	400 A	400 A	500 VA	
15						
16						
17						
18						

Total Conn. Load:
Total Amps:

MS-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
Other	647 VA		647 VA		
RCPTS	61640 VA		35820 VA	**Total Conn. Load:**	1600768 VA
LTS	53187 VA		66483 VA	**Total Est. Demand:**	1617968 VA
MTRS	1226471 VA		1256194 VA	**Total Conn.:**	1925 A
HEAT	29000 VA		29000 VA	**Total Est. Demand:**	1946 A
MISC	219380 VA		219380 VA		
Power	1080 VA		1080 VA		
Lighting	3 VA		4 VA		
RCPT	9360 VA		9360 VA		

Notes:
*See Demand Factor Table

SWITCHBOAR... MS-P2A2

Location: MAIN ELEC SWITCHBOARD 403SF
Main Bus: 4000 A
MCB: 4000A
Voltage: 120/208 Wye
AIC Rating: 42000

Fed From: UTILITY XFMR
Wires: 4
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: FLOOR MOUNTED

120/208V OUTDOOR

Neutral: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral NO

CKT	Circuit Description	# of Poles	Frame	Rating	Load	Remarks
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Total Conn. Load:
Total Amps:

MS-P2A2 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
		37%	1197585 VA		
				Total Conn. Load:	0 VA
				Total Est. Demand:	1197585 VA
				Total Conn.:	0 A
				Total Est. Demand:	3326V A

Notes:
*See Demand Factor Table

DEMAND FACTOR TABLE

LOAD TYPES	FACTORS										NEC REFERENCE
LTS	1.25										220.42
RCPTS	0-10KVA	>10kVA									220.44
	1.00	0.50									
MTRS	MAX	ALL OTHERS									220.50
	1.25	1.00									
ELEV	1	2	3	4	5	6	7	8	9	10 or more	
	1.00	0.95	0.9	0.85	0.82	0.79	0.77	0.75	0.73	0.72	620.14
KTCH	1	2	3	4	5	6 or more					
	1.00	1.00	0.90	0.80	0.70	0.65					220.56
HEAT	1.00										220.51
MISC	1.00										210.19
EXISTING	1.25										
RVN	1.25	LOAD INDICATED IS DEMAND LOAD FROM EQL. FEEDERS TO EQUIPMENT SIZED FOR CONNECTED LOAD									

SWITCHBOAR... E-DSH-P2A

Location: MECH P255
Main Bus: 800 A
MCB: 800A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: GENERATOR
Wires: 4
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE

Neutral: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral NO

CKT	Circuit Description	# of Poles	Frame	Rating	Load	Remarks
1	E-ATS-P1C	3	200 A	200 A	0 VA	
2	S-ATS-P1C	3	300 A	300 A	0 VA	
3	O-ATS-P1C	3	200 A	200 A	0 VA	
4	E-ATS-P2A	3	400 A	400 A	53480 VA	
5	S-ATS-P2A	3	600 A	600 A	217700 VA	
6	O-ATS-P2A	3	400 A	400 A	0 VA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Total Conn. Load:
Total Amps:

E-DSH-P2A LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
Other	346 VA		346 VA		
RCPTS	2520 VA		2520 VA	**Total Conn. Load:**	271180 VA
LTS	28371 VA		35463 VA	**Total Est. Demand:**	288773 VA
MTRS	224880 VA		235380 VA	**Total Conn.:**	326 A
MISC	12880 VA		12880 VA	**Total Est. Demand:**	347 A
Lighting	3 VA		4 VA		
RCPT	2180 VA		2180 VA		

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-BA2

Location: TOWER A LEVEL B BOILER RM...
Main Bus: 100 A
MCB: 100A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: LP-BA1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: YES
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	NEXGEN CONTROLLER J BOX	MISC	20 A	3	167 VA 800 VA			1	20 A	MISC	BOWLING - FLOOR BOX	2
3	--	--	--	--		167 VA 180 VA		1	20 A	MISC	BOWLING - LANE FLOOR BOX	4
5	--	--	--	--			167 VA					6
7												8
9												10
11							400 VA	1	15 A	MISC	BOWLING - FOUL -LIGHTS	12
13	PERIPHERAL CONTROLLER...	RCPTS	15 A	1	360 VA							14
15	PROTECTION SCREEN RCPT	RCPTS	15 A	1		360 VA 1400...		1	20 A	MISC	BOWLING BALL LIFT	16
17							1400...	1	20 A	MISC	BOWLING OH MONITOR	18
19					720 VA			1	15 A	MISC	BOWLING - BUMPERS	20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42

Total Load: 2047 VA | 2107 VA | 1967 VA
Total Amps: 17 A | 18 A | 16 A

LP-BA2 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	720 VA		720 VA		
MISC	5400 VA		5400 VA	**Total Conn. Load:**	6120 VA
				Total Est. Demand:	6120 VA
				Total Conn.:	17 A
				Total Est. Demand:	17 A

Notes:
*See Demand Factor Table

SWITCHBOAR... S-DPH-P2A

Location: ELEC EMERGENCY SWITCHBOAR...
Main Bus: 600 A
MCB: 600A
Voltage: 480/277 Wye
AIC Rating: 22 kA

Fed From: S-ATS-P2A
Wires: 4
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: SURFACE

Neutral: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral NO

CKT	Circuit Description	# of Poles	Frame	Rating	Load	Remarks
1	SMPH-P2A1	3	225 A	225 A	7470 VA	
2	SMPH-P1B1	3	225 A	225 A	42230 VA	
3	ELEVATOR T1	3	100 A	100 A	42000 VA	
4	ELEVATOR T2	3	100 A	100 A	42000 VA	
5	ELEVATOR T3	3	100 A	100 A	42000 VA	
6	ELEVATOR T4	3	100 A	100 A	42000 VA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Total Conn. Load:
Total Amps:

S-DPH-P2A LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	217700 VA		228200 VA		
				Total Conn. Load:	217700 VA
				Total Est. Demand:	228200 VA
				Total Conn.:	262 A
				Total Est. Demand:	274 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-BA1

Location: TOWER A LEVEL B BOILER RM...
Main Bus: 400 A
MCB: 400A
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-B1-1	MTRS	20 A	3	3367... 5820...			3	25 A	MTRS	SHWP A-B-2	2
3	--	--	--	--		3367... 5820...		--	--	--	--	4
5	--	--	--	--			3367... 5820...	--	--	--	--	6
7	BP - A-B-3	MTRS	25 A	3	5820... 5820...			3	25 A	MTRS	SHWP A-B-1	8
9	--	--	--	--		5820... 5820...		--	--	--	--	10
11	--	--	--	--			5820... 5820...	--	--	--	--	12
13	BP - A-B-2	MTRS	25 A	3	5820... 3880...			3	20 A	MTRS	PHWP A-B-2	14
15	--	--	--	--		5820... 3880...		--	--	--	--	16
17	--	--	--	--			5820... 3880...	--	--	--	--	18
19	BP- A-B-1	MTRS	25 A	3	5827... 3880...			3	20 A	MTRS	PHWP A-B-1	20
21	--	--	--	--		5827... 3880...		--	--	--	--	22
23	--	--	--	--			5827... 3880...	--	--	--	--	24
25	SCHWP A-B-2	MTRS	30 A	3	7483... 3880...			3	20 A	MTRS	PCHWP A-B-2	26
27	--	--	--	--		7483... 3880...		--	--	--	--	28
29	--	--	--	--			7483... 3880...	--	--	--	--	30
31	SCHWP A-B-1	MTRS	30 A	3	7483... 3880...			3	20 A	MTRS	PCHWP A-B-1	32
33	--	--	--	--		7483... 3880...		--	--	--	--	34
35	--	--	--	--			7483... 3880...	--	--	--	--	36
37	EF-A-B-1	MTRS	20 A	1	610 VA 2000...			1	20 A	MTRS	FPT A-B1-4 & FPT A-B1-5	38
39	LTS LEVEL B1	LTS	20 A	1		2008... 1000...		1	20 A	MTRS	FPT A-B1-1	40
41	LTS LEVEL B1	LTS	20 A	1			2272... 2000...	1	20 A	MTRS	FPT A-B1-3	42
43	EF-A-B-2	MTRS	20 A	1	803 VA							44
45												46
47												48
49												50
51												52
53												54
55	TRANSFORMER T-BA1-L...	MISC...	110 A	3	1808... 9423...			3	40 A	MTRS	AHU-A-B1-2	56
57	--	--	--	--		1351... 9423...		--	--	--	--	58
59	--	--	--	--			1481... 9423...	--	--	--	--	60

Total Load: 93882 VA | 88907 VA | 91472 VA
Total Amps: 340 A | 321 A | 332 A

LPH-BA1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	13340 VA		11670 VA		
LTS	4280 VA		5350 VA	**Total Conn. Load:**	274261 VA
MTRS	249781 VA		256849 VA	**Total Est. Demand:**	280729 VA
MISC	6500 VA		6500 VA	**Total Conn.:**	330 A
RCPT	360 VA		360 VA	**Total Est. Demand:**	338 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-BA1

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

Fed From: T-BA1-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	TOILET RCPTS	RCPTS	20 A	1	720 VA 360 VA			1	20 A	RCPTS	BOWLING LOUNGE A002 BAR	2
3	TOILET RCPTS	RCPTS	20 A	1		360 VA 180 VA		1	20 A	RCPTS	BOWLING LOUNGE A002 BAR	4
5	RCPTS EMPLOYEE BREAK 008	RCPTS	20 A	1			720 VA 360 VA	1	20 A	RCPTS	BOWLING LOUNGE A002...	6
7					180 VA			1	20 A	RCPTS	MAIN SHOP RCPT	8
9	BOWLING RCPT	RCPTS	20 A	1		540 VA 180 VA		1	20 A	RCPTS	MAIN SHOP RCPT	10
11							540 VA	1	20 A	RCPTS	DRY STORAGE RCPT	12
13	MTRS BOILER ROOM 012	MTRS	20 A	2	5050... 1080...			1	20 A	RCPTS	HOUSEKEEPING RCPT	14
15	--	--	--	--		5050... 540 VA		1	20 A	RCPTS	GAME LOUNGE RCPT	16
17	MTRS BOILER ROOM 012	MTRS	20 A	2			5050... 1000...	1	20 A	MTRS	UH-A	18
19	--	--	--	--	5050... 1000...			1	15 A	RCPTS	ARCADE RCPTS	20
21	B A-P2-1	MTRS	15 A	1		840 VA 1000...		1	15 A	RCPTS	ARCADE RCPTS	22
23	B A-P2-2 & A-P2-3	MTRS	15 A	1			1680... 1500...	1	15 A	RCPTS	ARCADE RCPTS	24
25	LP-BA2	MISC...	100 A	3	2047... 1500...			1	15 A	RCPTS	ARCADE RCPTS	26
27	--	--	--	--		2107... 1000...		1	15 A	RCPTS	ARCADE RCPTS	28
29	--	--	--	--			1967... 1000...	1	20 A	MTRS	UH-A	30
31	FCU- A-B-1	MTRS	20 A	2	499 VA							32
33	--	--	--	--		499 VA						34
35												36
37												38
39						360 VA		1	20 A	RCPTS	RCPT STAIR 02A A031/P270/...	40
41												42
43												44
45												46
47												48
49	ELEV S1 SEISMIC SENSOR...	MISC	20 A	1	600 VA							50
51	ELEV S1 CTRL ROOM GFI...	RCPTS	20 A	1		500 VA						52
53	ELEV S1 CAR LIGHT	MISC	15 A	1			500 VA					54
55	ELEV S1 INTERCOM	MISC	15 A	1	0 VA							56
57	ELEV PIT GFI RCPT	RCPT	20 A	1		360 VA						58
59	ELEV SUMP PUMP SP-1	MTRS	20 A	1			500 VA					60

Total Load: 18086 VA | 13516 VA | 14817 VA
Total Amps: 152 A | 113 A | 125 A

LP-BA1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	13340 VA		11670 VA		
MTRS	26218 VA		28743 VA	**Total Conn. Load:**	46418 VA
MISC	6500 VA		6500 VA	**Total Est. Demand:**	47273 VA
RCPT	360 VA		360 VA	**Total Conn.:**	129 A
				Total Est. Demand:	131 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELP-BA1

Location: TOWER A LEVEL B ELEC A018
Main Bus: 225 A
MCB: 225A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-BA1-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 SMOKE DAMPERS	MISC	20 A	1	360 VA 500 VA			1	15 A	MISC	ELEV T2 CAR LIGHT	2
3	ELEV PIT GFI RCPT	RCPTS	20 A	1		540 VA 500 VA		1	15 A	MISC	ELEV T215 INTERCOM	4
5	ELEV SUMP PUMP SP-1	MTRS	20 A	1			500 VA 500 VA	1	20 A	RCPT	ELEV T2 CTRL RM GFI RCPT	6
7	FIRE SMOKE DAMPERS	MISC	20 A	1	540 VA 600 VA			1	20 A	MISC	ELEV T2 SEISMIC SENSOR...	8
9	ELEV T1 CTRL RM GFI RCPT	RCPT	20 A	1		500 VA 180 VA		1	20 A	RCPT	ELEV PIT GFI RCPT	10
11	ELEV T1 CAR LIGHT	MISC	15 A	1			500 VA 500 VA	1	20 A	MTRS	ELEV SUMP PUMP SP-1	12
13	ELEV T1 SEISMIC SENSOR...	MISC	20 A	1	600 VA							14
15	ELEV T1 INTERCOM	MISC	15 A	1		500 VA						16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60

Total Load: 2600 VA | 2220 VA | 2000 VA
Total Amps: 22 A | 19 A | 17 A

ELP-BA1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	540 VA		540 VA		
MTRS	1000 VA		1125 VA	**Total Conn. Load:**	6820 VA
MISC	4100 VA		4100 VA	**Total Est. Demand:**	6945 VA
RCPT	1180 VA		1180 VA	**Total Conn.:**	19 A
				Total Est. Demand:	19 A

Notes:
*See Demand Factor Table

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ELECTRICAL SCHEDULES

E6.04AB

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	Power;...	20 A	1	1080... 180 VA			1	20 A	Power	PANTRY RCPT	2
3	FIRE PUMP RM B011 RCPT	RCPTS	20 A	1		360 VA						4
5												6
7												8
9												10
11												12
13	PH AMENITY B004 RCPT	RCPTS	20 A	1	360 VA							14
15												16
17	TOWER B STAIR 03A RCPTS	RCPTS	20 A	1			540 VA					18
19	TOWER B STAIR 04A RCPTS	RCPTS	20 A	1	540 VA							20
21	PH STORAGE ELEC PANEL...	RCPTS	20 A	1		180 VA						22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39						1000...		1	20 A	HEAT	HEAT	40
41							1000...	1	20 A	HEAT	UH-A	42
					Total Load: 2160 VA	1540 VA	1540 VA					
					Total Amps: 18 A	13 A	13 A					

LP-BB1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	2880 VA		2880 VA		
HEAT	2000 VA		2000 VA	**Total Conn. Load:**	5240 VA
Power	360 VA		360 VA	**Total Est. Demand:**	5240 VA
				Total Conn.:	15 A
				Total Est. Demand:	15 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-BB1

Location: TOWER B LEVEL B ELEC RM B006
Main Bus: 225 A
MCB: 225A
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	Power;...	110 A	3	2160... 1135...			1	20 A	LTS	LTS TOWER B - LVL B	2
3	--	--	--	--		1540...						4
5	--	--	--	--			1540...					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
					Total Load: 3295 VA	1540 VA	1540 VA					
					Total Amps: 12 A	6 A	6 A					

LPH-BB1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	2880 VA		2880 VA		
LTS	1135 VA		1419 VA	**Total Conn. Load:**	6375 VA
HEAT	2000 VA		2000 VA	**Total Est. Demand:**	6659 VA
Power	360 VA		360 VA	**Total Conn.:**	8 A
				Total Est. Demand:	8 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELP-BB1

Location: TOWER B LEVEL B ELEC B006
Main Bus: 225 A
MCB: 225A
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							8
9	ELEV T3 CAR LIGHT	MISC	15 A	1		500 VA						10
11	ELEV T3 CTRL RM GFI RCPT	RCPT	20 A	1			500 VA					12
13	ELEV T4 PIT RCPTS	RCPTS	20 A	1	180 VA							14
15	ELEV T4 SP-1	MTRS	20 A	1		500 VA						16
17	ELEV T4 CAR LIGHT	MISC	15 A	1			500 VA					18
19	ELEV T4 CAR LIGHT	MISC	15 A	1	500 VA							20
21	ELEV T4 SEISMIC SENSOR...	MISC	20 A	1		600 VA						22
23	ELEV T4 CTRL ROOM GFI...	RCPT	20 A	1			500 VA					24
25												26
27												28
29												30
31												32
33												34
35												36
37					460 VA			2	15 A	MTRS	FCU-B-B-1	38
39						0 VA		--	--	--	--	40
41							360 VA	1	20 A	MTRS	FIRE SMOKE DAMPERS	42
					Total Load: 6040 VA	1780 VA	2460 VA					
					Total Amps: 51 A	15 A	21 A					

ELP-BB1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	360 VA		360 VA		
MTRS	5720 VA		6695 VA	**Total Conn. Load:**	10280 VA
MISC	3200 VA		3200 VA	**Total Est. Demand:**	11255 VA
RCPT	1000 VA		1000 VA	**Total Conn.:**	29 A
				Total Est. Demand:	31 A

Notes:
*See Demand Factor Table

BRANCH PANEL: EV-A

Location: TWR A LVL P2 ELEC A SWBD...
Main Bus: 600 A
MCB: 600A
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	EV CHARGER	MISC	40 A	2		3200... 3200...		2	40 A	MISC	EV CHARGER	34
35	--	--	--	--			3200... 3200...	--	--	--	--	36
37					3200...			2	40 A	MISC	EV CHARGER	38
39						3200...		--	--	--	--	40
41							3200...	2	40 A	MISC	EV CHARGER	42
43					3200...			--	--	--	--	44
45	EV CHARGER	MISC	40 A	2		3200... 3200...						46
47	--	--	--	--			3200...					48
49	EV CHARGER	MISC	40 A	2	3200...							50
51	--	--	--	--		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
					Total Load: 54400 VA	54400 VA	57600 VA					
					Total Amps: 453 A	453 A	480 A					

EV-B LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MISC	166400 VA	72%	120000 VA		
				Total Conn. Load:	166400 VA
				Total Est. Demand:	120000 VA
				Total Conn.:	462 A
				Total Est. Demand:	333 A

Notes:
*See Demand Factor Table

BRANCH PANEL: EV-B

Location: TOWER B LEVEL P2 ELEC P258
Main Bus: 600 A
MCB: 600A
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					3200...			2	40 A	MISC	EV CAR CHARGER	38
39						3200...		--	--	--	--	40
41							3200...	2	40 A	MISC	EV CAR CHARGER	42
43					3200...			--	--	--	--	44
45	EV CHARGER	MISC	40 A	2		3200... 3200...						46
47	--	--	--	--			3200...					48
49	EV CHARGER	MISC	40 A	2	3200...							50
51	--	--	--	--		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
					Total Load: 54400 VA	54400 VA	57600 VA					
					Total Amps: 453 A	453 A	480 A					

EV-B LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MISC	166400 VA	72%	120000 VA		
				Total Conn. Load:	166400 VA
				Total Est. Demand:	120000 VA
				Total Conn.:	462 A
				Total Est. Demand:	333 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	EF- A-P2-2	MTRS	20 A	2	1945...							2
3	--	--	--	--		1945...						4
5												6
7												8
9	FCU-A-P2-2	MTRS	20 A	2		250 VA						10
11	--	--	--	--			250 VA					12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
					Total Load: 1945 VA	2195 VA	250 VA					
					Total Amps: 18 A	20 A	2 A					

MP-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	4390 VA		5363 VA		
				Total Conn. Load:	4390 VA
				Total Est. Demand:	5363 VA
				Total Conn.:	12 A
				Total Est. Demand:	15 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	3880... 1470...			1	20 A	MTRS	FPT A-1-12	2
3	--	--	--	--		3880... 1470...		1	20 A	MTRS	FPT A-1-14	4
5	--	--	--	--			3880... 1470...	1	20 A	MTRS	FPT A-1-10	6
7	AHU-A-1-X	MTRS	20 A	3	3880... 1470...			1	20 A	MTRS	FPT A-1-11	8
9	--	--	--	--		3880...						10
11	--	--	--	--			3880...					12
13												14
15												16
17												18
19	EF-A-P2-1	MTRS	15 A	3	1330...							20
21	--	--	--	--		1330...						22
23	--	--	--	--			1330...					24
25	UH-A-P2-1	MTRS	20 A	3	1172...							26
27	--	--	--	--		0 VA						28
29	--	--	--	--			0 VA					30
31	MPH-1A1	MTRS	400 A	3	7701...							32
33	--	--	--	--		7615...						34
35	--	--	--	--			7493...					36
37	TRANSFORMER T-P2A1-M...	MTRS	110 A	3	1945...							38
39	--	--	--	--		2195...						40
41	--	--	--	--			250 VA					42
					Total Load: 102708 VA	88908 VA	85743 VA					
					Total Amps: 373 A	323 A	310 A					

MPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	277360 VA		307083 VA		
				Total Conn. Load:	277360 VA
				Total Est. Demand:	307083 VA
				Total Conn.:	334 A
				Total Est. Demand:	369 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	LTS	Other; LTS	20 A	1	462 VA 96 VA			1	20 A	LTS	LTS	2
3	LTS	Other; LTS	20 A	1		585 VA 1184...		1	20 A	Lighting;...	LTS LEVEL B1	4
5	LTS	LTS	20 A	1			432 VA 1538...	1	20 A	LTS	LTS - LEVEL 1	6
7	STAIR 01A LTS	LTS	20 A	1	960 VA 265 VA			1	20 A	LTS	LTS - LEVEL 2 & 3	8
9	STAIR 01B LTS	LTS	20 A	1		576 VA 1048...		1	20 A	LTS	LTS LEVEL B1	10
11	STAIR 026 LTS	LTS	20 A	1			480 VA 773 VA	1	20 A	LTS	STAIR 02A LTS	12
13	LTS PARKING LEVEL 2	LTS	20 A	1	1775... 2496...			1	20 A	LTS	LTS LEVEL P2	14
15	LTS PARKING LEVEL 1	Other; LTS	20 A	1		1679... 768 VA		3	20 A	Other; LTS	ELPH-6A1	16
17	LTS TOWER A LVL 2	LTS	20 A	1			420 VA 1809...	--	--	--	--	18
19					384 VA			--	--	--	--	20
21	PANEL ELPH-1B1	Other; LTS	110 A	3		5715...						22
23	--	--	--	--			2120...					24
25	--	--	--	--	3156...							26
27	T-P2A1-E	MISC;...	70 A	3		360 VA						28
29	--	--	--	--			900 VA					30
31	--	--	--	--	900 VA							32
33												34
35	T-P2B1-E	MISC;...	70 A	3			8120...					36
37	--	--	--	--	3760... 2600...			3	70 A	MISC;...	T-BA1-E	38
39	--	--	--	--		3900... 2220...		--	--	--	--	40
41							2000	--	--	--	--	42
					Total Load: 16854 VA	18034 VA	18592 VA					
					Total Amps: 61 A	66 A	68 A					

ELPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
Other	346 VA		346 VA		
RCPTS	2520 VA		2520 VA	**Total Conn. Load:**	53480 VA
LTS	28371 VA		35463 VA	**Total Est. Demand:**	61548 VA
MTRS	7180 VA		8155 VA	**Total Conn.:**	64 A
MISC	12880 VA		12880 VA	**Total Est. Demand:**	74 A
Lighting	3 VA		4 VA		
RCPT	2180 VA		2180 VA		

Notes:
*See Demand Factor Table

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ELECTRICAL SCHEDULES

E6.05AB

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	Trip	Poles	A	B	C	Poles	Trip	Load Classification	Circuit Description	CKT
1	OLPH-P1B1	MISC	20 A	3	0 VA 0 VA	3	20 A	MISC	OLPH-6A1	2
3	--	--	--	--	0 VA 0 VA	--	--	--	--	4
5	--	--	--	--	0 VA 0 VA	--	--	--	--	6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	T-P2A1-O	MISC	110 A	3	0 VA							38
39	--	--	--	--		0 VA						40
41	--	--	--	--			0 VA					42
			Total Load:		0 VA	0 VA	0 VA					
			Total Amps:		0 A	0 A	0 A					

OLPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-P2A1

Location: TOWER A LEVEL P2 ELEC A...
Main Bus: 400 A
MCB: 400A
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	LTS LEVEL P2	LTS	20 A	1	2020...							2
3	LTS LEVEL P2	LTS	20 A	1		2330...						4
5	LTS - LEVEL 1	Other; LTS	20 A	1			1327...					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25	PANEL LPH-6A1	RCPTS;...	250 A	3	1260...							26
27	--	--	--	--		1440...						28
29	--	--	--	--			2620...					30
31												32
33												34
35												36
37					9210...			3	110 A	Spare;...	T-P2A1-L	38
39						9550...		--	--	--	--	40
41							1084...	--	--	--	--	42
			Total Load:		12490 VA	13320 VA	14787 VA					
			Total Amps:		45 A	49 A	54 A					

LPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
Other	200 VA		200 VA	
RCPTS	26880 VA		18440 VA	**Total Conn. Load:** 40597 VA
LTS	5477 VA		6846 VA	**Total Est. Demand:** 34276 VA
MTRS	4500 VA		5250 VA	**Total Conn.:** 49 A
HEAT	3000 VA		3000 VA	**Total Est. Demand:** 41 A
RCPT	540 VA		540 VA	

Notes:
*See Demand Factor Table

BRANCH PANEL: ELP-P2B1

Location: TOWER B LEVEL P2 ELEC EMR...
Main Bus: 225 A
MCB: 225A
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	FA CLOSET P261 RCPTS	RCPTS	20 A	1	180 VA 180 VA			1	20 A	MISC	FIRE SMOKE DAMPER	2
3	FA CLOSET P261 RCPTS	RCPTS	20 A	1		180 VA 180 VA		1	20 A	MISC	FIRE SMOKE DAMPER	4
5	FA CLOSET P261 RCPTS	RCPTS	20 A	1			180 VA 540 VA	1	20 A	MISC	FIRE SMOKE DAMPERS	6
7	FA CLOSET P261 RCPTS	RCPTS	20 A	1	180 VA 180 VA			1	20 A	MISC	FIRE SMOKE DAMPERS	8
9						540 VA		1	20 A	MISC	FIRE SMOKE DAMPERS	10
11							360 VA	1	20 A	MISC	FIRE SMOKE DAMPERS	12
13												14
15												16
17												18
19	FCU-B-P2-1	MTRS	15 A	2	460 VA							20
21	--	--	--	--		0 VA						22
23												24
25												26
27												28
29												30
31					900 VA			3	100 A	MISC	ELP-P1B1	32
33						1080...		--	--	--	--	34
35							360 VA	--	--	--	--	36
37					6040...			3	100 A	MISC;...	ELP-BB1	38
39						1780...		--	--	--	--	40
41							2460...	--	--	--	--	42
			Total Load:		8120 VA	3760 VA	3900 VA					
			Total Amps:		68 A	31 A	33 A					

ELP-P2B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	1080 VA		1080 VA	
MTRS	6180 VA		7155 VA	**Total Conn. Load:** 15780 VA
MISC	7520 VA		7520 VA	**Total Est. Demand:** 16755 VA
RCPT	1000 VA		1000 VA	**Total Conn.:** 44 A
				Total Est. Demand: 47 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-P2A2

Location: TOWER A LEVEL P2 REST ELEC...
Main Bus: 600 A
MCB: 600A
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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	T-P2A2-L	Power;...	175 A	3	900 VA							38
39	--	--	--	--		540 VA						40
41	--	--	--	--			360 VA					42
			Total Load:		900 VA	540 VA	360 VA					
			Total Amps:		3 A	2 A	1 A					

LPH-P2A2 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	1440 VA		1440 VA	
Power	360 VA		360 VA	**Total Conn. Load:** 1800 VA
				Total Est. Demand: 1800 VA
				Total Conn.: 2 A
				Total Est. Demand: 2 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						10
11	CP-2	MTRS	20 A	1			1440...					12
13	CP-1	MTRS	20 A	1	1440...							14
15												16
17												18
19												20
21	EF-B-P2-2	MTRS	20 A	3		3820...						22
23	--	--	--				0 VA					24
25	--	--	--	0 VA								26
27	EF-B-P2-1	MTRS	20 A	3		3820...						28
29	--	--	--				0 VA					30
31	--	--	--	0 VA								32
33												34
35	FCU-B-P2-4	MTRS	15 A	2			170 VA					36
37	--	--	--	0 VA								38
39	FCU-B-P2-3	MTRS	15 A	2		170 VA						40
41	--	--	--				0 VA 180 VA	1	20 A	RCPTS	FA CLOSET P261 RCPT	42
			Total Load:		5220 VA	10510 VA	3770 VA					
			Total Amps:		45 A	89 A	31 A					

LP-P2B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	2880 VA		2880 VA	
MTRS	16620 VA		17575 VA	**Total Conn. Load:** 19500 VA
				Total Est. Demand: 20455 VA
				Total Conn.: 54 A
				Total Est. Demand: 57 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	RCPT	TOWER A TELE. RM. GFI RCPT	2
3	TOWER A PARKING MISC...	RCPTS	20 A	1		1260... 180 VA		1	20 A	RCPT	ELEC. RM. P264 GFI RCPT	4
5	TOWER A PARKING MISC...	RCPTS	20 A	1			900 VA					6
7	TOWER A PARKING MISC...	RCPTS	20 A	1	180 VA 3000...			3	20 A	MTRS	GARAGE DOORS	8
9						0 VA		--	--	--	--	10
11							0 VA	--	--	--	--	12
13					0 VA			1	20 A	--	SPARE	14
15						0 VA		1	20 A	--	SPARE	16
17							0 VA	1	20 A	--	SPARE	18
19					0 VA			1	20 A	--	SPARE	20
21						0 VA		1	20 A	--	SPARE	22
23							0 VA	1	20 A	--	SPARE	24
25					0 VA			1	20 A	--	SPARE	26
27						0 VA		1	20 A	--	SPARE	28
29							0 VA	1	20 A	--	SPARE	30
31					0 VA			1	20 A	--	SPARE	32
33						0 VA		1	20 A	--	SPARE	34
35							0 VA	1	20 A	--	SPARE	36
37	PANEL LP-1A1	RCPTS;...	200 A	3	5670... 0 VA			1	20 A	--	SPARE	38
39	--	--	--	--		8110... 0 VA		1	20 A	--	SPARE	40
41	--	--	--	--			9940... 0 VA	1	20 A	--	SPARE	42
			Total Load:		9210 VA	9550 VA	10840 VA					
			Total Amps:		77 A	80 A	91 A					

LP-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	22560 VA		16280 VA	
MTRS	4500 VA		5250 VA	**Total Conn. Load:** 29600 VA
HEAT	2000 VA		2000 VA	**Total Est. Demand:** 24070 VA
RCPT	540 VA		540 VA	**Total Conn.:** 82 A
				Total Est. Demand: 67 A

Notes:
*See Demand Factor Table

BRANCH PANEL: SMPH-P2A1

Location: TOWER A LEVEL P2 ELEC A...
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: S-DPH-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	GEF-A-P2-1	MTRS	15 A	3	830 VA							2
3	--	--	--	--		830 VA						4
5	--	--	--	--			830 VA					6
7	GEF-A-P2-2	MTRS	15 A	3	830 VA							8
9	--	--	--	--		830 VA						10
11	--	--	--	--			830 VA					12
13	GEF-A-P2-3	MTRS	15 A	3	830 VA							14
15	--	--	--	--		830 VA						16
17	--	--	--	--			830 VA					18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
			Total Load:		2490 VA	2490 VA	2490 VA					
			Total Amps:		9 A	9 A	9 A					

SMPH-P2A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	7470 VA		8093 VA	
				Total Conn. Load: 7470 VA
				Total Est. Demand: 8093 VA
				Total Conn.: 9 A
				Total Est. Demand: 10 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	1090...							2
3	--	--	--			1101...						4
5	--	--	--	--			1330...					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39	LTS PARKING LEVEL 2	LTS	20 A	1		2200...						40
41	LTS PARKING LEVEL 2	LTS	20 A	1			1880...					42
			Total Load:		10903 VA	13218 VA	15185 VA					
			Total Amps:		39 A	49 A	56 A					

LPH-P2B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
Other	101 VA		101 VA	
RCPTS	14580 VA		12290 VA	**Total Conn. Load:** 39305 VA
LTS	13924 VA		17405 VA	**Total Est. Demand:** 40611 VA
MTRS	460 VA		575 VA	**Total Conn.:** 47 A
HEAT	2000 VA		2000 VA	**Total Est. Demand:** 49 A
MISC	1600 VA		1600 VA	
Power	360 VA		360 VA	
RCPT	6280 VA		6280 VA	

Notes:
*See Demand Factor Table

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07/15/2022

ELECTRICAL SCHEDULES

E6.06AB

BRANCH PANEL: LP-1A1

Location: TOWER A LEVEL 1 ELEC A125
Main Bus: 225 A
MCB: 225
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						360 VA		1	20 A	RCPTS	SPA LOUNGE A113 MISC	4
5							540 VA	1	20 A	RCPTS	RCPTS SPA LOUNGE A113	6
7					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	RCPTS AV ROOM A126	RCPTS	20 A	1		180 VA						16
17	RCPTS AV ROOM A126	RCPTS	20 A	1			180 VA					18
19	FITNESS A121 RCPTS	RCPTS...	20 A	1	540 VA							20
21	FITNESS A121 TREADMILL...	RCPTS	20 A	1		1000...						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							32
33	YOGA A119 RCPTS	RCPTS	20 A	1		360 VA						34
35	STAIR 02B A143/A205/A305	RCPTS	20 A	1			540 VA					36
37	STAIR 02A RCPTS	RCPTS	20 A	1	540 VA							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			900 VA	540 VA	1	20 A	RCPTS	STAIR 01A /	42
43													44
45													46
47													48
49													50
51						1000...			1	20 A	HEAT	UH-A	52
53								1000...	1	20 A	HEAT	UH-A	54
55				250 VA					2	20 A	MTRS	FCU-A-1-2	56
57	TOWER A L1 ENTRY LOBBY	RCPTS	20 A	1		900 VA	250 VA		--	--	--		58
59	TOWER A L1 ENTRY	RCPTS	20 A	1				900 VA	1000...	1	20 A	MTRS	SLIDING DOORS	60
			Total Load:		5670 VA	8110 VA		9940 VA					
			Total Amps:		47 A	71 A		86 A					

LP-1A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	20040 VA		15020 VA		
MTRS	1500 VA		1625 VA	**Total Conn. Load:**	23720 VA
HEAT	2000 VA		2000 VA	**Total Est. Demand:**	18825 VA
RCPT	180 VA		180 VA	**Total Conn.:**	66 A
				Total Est. Demand:	52 A

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	1220...							2
3	FPT A-1-1, FPT A-1-2 & FPT...	MTRS	20 A	1		1330...						4
5	FPT A-1-4	MTRS	20 A	1			610 VA					6
7	FPT A-1-3	MTRS	20 A	1	1470...							8
9	FPT A-1-6	MTRS	20 A	1		1470...						10
11	FPT A-1-7	MTRS	20 A	1			1470...					12
13	FPT A-1-13	MTRS	20 A	1	1470...							14
15	FPT A-1-5	MTRS	20 A	1		500 VA						16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	PANEL MPH-6A1	MTRS	150 A	3	7285...							38
39	--	--	--	--		7285...						40
41	--	--	--	--			7285...					42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
		Total Load:			77013 VA	76153 VA	74933 VA					
		Total Amps:			279 A	276 A	271 A					

MPH-1A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	228100 VA		257823 VA		
				Total Conn. Load:	228100 VA
				Total Est. Demand:	257823 VA
				Total Conn.:	274 A
				Total Est. Demand:	310 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	Power...	20 A	1	720 VA							2
3	RCPTS CORRIDOR TO...	RCPTS	20 A	1		540 VA						4
5	RCPTS PRIVATE DINNING...	RCPTS	20 A	1			360 VA					6
7	RCPTS PRIVATE DINNING...	RCPTS	20 A	1	180 VA							8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
61												62
63												64
65												66
67												68
69												70
71												72
73												74
75												76
77												78
79												80
81												82
83												84
		Total Load:			900 VA	540 VA	360 VA					
		Total Amps:			8 A	5 A	3 A					

LP-1A2 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	1440 VA		1440 VA		
Power	360 VA		360 VA	**Total Conn. Load:**	1800 VA
				Total Est. Demand:	1800 VA
				Total Conn.:	5 A
				Total Est. Demand:	5 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELP-1A1

Location: TOWER A LEVEL 1 ELEC A125
Main Bus: 225 A
MCB: 225
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							2
3	FIRE COMMAND CENTER...	RCPTS	20 A	1		180 VA						4
5	FIRE COMMAND CENTER...	RCPTS	20 A	1			180 VA					6
7	FIRE COMMAND CENTER...	RCPTS	20 A	1	180 VA							8
9	FIRE COMMAND CENTER...	RCPTS	20 A	1		180 VA						10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33	FIRE SMOKE DAMPERS	MISC	20 A	1		360 VA						34
35	FIRE SMOKE DAMPERS	MISC	20 A	1			360 VA					36
37												38
39	FIRE SMOKE DAMPERS	MISC	20 A	1		180 VA						40
41	FIRE SMOKE DAMPERS	MISC	20 A	1			360 VA					42
		Total Load:			360 VA	900 VA	900 VA					
		Total Amps:			3 A	8 A	8 A					

ELP-1A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	900 VA		900 VA		
MISC	1260 VA		1260 VA	**Total Conn. Load:**	2160 VA
				Total Est. Demand:	2160 VA
				Total Conn.:	6 A
				Total Est. Demand:	6 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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLP-1A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-P1B1

Location: TOWER B LVL P1 TELECOM B111
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-P1B1-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	ELEV P3 CAR LIGHT	MISC	15 A	1	500 VA	180 VA		1	20 A	RCPTS	TOWER A TELECOM RM GFI...	2
3	ELEV P3 INTERCOM	MISC	15 A	1		500 VA	600 VA	1	20 A	MISC	ELEV P3 SEISMIC SENSOR...	4
5												6
7	ELEV P3 CTRL ROOM GFI...	RCPT	20 A	1	500 VA							8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33	RCPTS PARKING P1	RCPTS	20 A	1		180 VA						34
35	RCPTS PARKING P1	RCPTS	20 A	1			360 VA					36
37	RCPTS MECH P105	RCPTS	20 A	1	360 VA	4620...		3	100 A	RCPTS;...	LP-1B1	38
39	RCPTS PARKING P1	RCPTS	20 A	1		900 VA	5190...	--	--	--	--	40
41	RCPTS PARKING P1	RCPTS	20 A				720 VA	4730...	--	--	--	--	42
		Total Load:			6160 VA	7370 VA	5810 VA					
		Total Amps:			52 A	62 A	48 A					

LP-P1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	12240 VA		11120 VA		
MTRS	460 VA		575 VA	**Total Conn. Load:**	19340 VA
HEAT	2000 VA		2000 VA	**Total Est. Demand:**	18335 VA
MISC	1600 VA		1600 VA	**Total Conn.:**	54 A
RCPT	3040 VA		3040 VA	**Total Est. Demand:**	51 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	Power;...	20 A	3	1080...	729 VA			1	20 A	LTS	LTS	2
3	--	--	--	--			1980...						4
5	--	--	--	--				2880...					6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35	LTS TOWER B LVL 1	Other; LTS	20 A	1				3335...					36
37	LTS TOWER B LVL 1	Other; LTS	20 A	1	2934...	6160...			3	110 A	MISC;...	T-P1B1-L	38
39	LTS PARKING LEVEL 1	Other; LTS	20 A	1			1668...	7370...	--	--	--	--	40
41	LTS PARKING LEVEL 1	LTS	20 A	1					1280...	5810...	--	--	42
		Total Load:			10903 VA	11018 VA	13305 VA						
		Total Amps:			39 A	40 A	48 A						

LPH-P1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
Other	101 VA		101 VA		
RCPTS	14580 VA		12290 VA	**Total Conn. Load:**	35225 VA
LTS	9844 VA		12305 VA	**Total Est. Demand:**	35511 VA
MTRS	460 VA		575 VA	**Total Conn.:**	42 A
HEAT	2000 VA		2000 VA	**Total Est. Demand:**	43 A
MISC	1600 VA		1600 VA		
Power	360 VA		360 VA		
RCPT	6280 VA		6280 VA		

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...	5930...			3	20 A	MTRS	AHU B-P1-1	8
9	--	--	--	--			7483...	5930...	--	--	--	--	10
11	--	--	--	--				7483...	5930...	--	--	--	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	30 A	3	5820...	3880...			3	40 A	MTRS	PCHWP-B-P1-1	32
33	--	--	--	--			5820...	3880...	--	--	--	--	34
35	--	--	--	--				5820...	3880...	--	--	--	36
37	BP B-P1-2	MTRS	30 A	3	5820...	3880...			3	40 A	MTRS	PCHWP-B-P1-2	38
39	--	--	--	--			5820...	3880...	--	--	--	--	40
41	--	--	--	--				5820...	3880...	--	--	--	42
43						5630...			3	100 A	MTRS	MPH-1B1	44
45							4410...		--	--	--	--	46
47								3050...	--	--	--	--	48
49	AHU-B-B-1	MTRS	15 A	3	1357...								50
51	--	--	--	--			1357...	700 VA	2	20 A	MTRS	EF-B-B-1	52
53	--	--	--	--				1357...	0 VA	--	--	--	54
55	PANEL MPH-7B1	MTRS	400 A	3	7033...	4925...			3	110 A	MTRS;...	T-P1B1-M	56
57	--	--	--	--			7033...	6400...	--	--	--	--	58
59	--	--	--	--				7033...	2365...	--	--	--	60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79	UH-B-P1-1	HEAT	20 A	3	2827...	1273...			3	15 A	MTRS	EF-B-P1-2	80
81	--	--	--	--		2827...	1273...		--	--	--	--	82
83	--	--	--	--			2827...	1273...	--	--	--	--	84
		Total Load:			164892 VA	165847 VA	159752 VA						
		Total Amps:			598 A	602 A	577 A						

MPH-P1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	468490 VA		498213 VA		
HEAT	22000 VA		22000 VA	**Total Conn. Load:**	490490 VA
				Total Est. Demand:	520213 VA
				Total Conn.:	590 A
				Total Est. Demand:	626 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MP-P1B1

Location: TOWER B LEVEL P1 MECH P105
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-P1B1-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	B B-P1-1	HEAT	15 A	1	720 VA	1000...			1	20 A	HEAT	HEAT	2
3	B B-P1-2	HEAT	15 A	1			720 VA	1000...	1	20 A	HEAT	UH-A	4
5	B B-P1-3	HEAT	15 A	1			720 VA	85 VA	2	20 A	MTRS	MTRS	6
7	B B-P1-4	HEAT	20 A	1	1560...	85 VA			--	--	--	--	8
9	B B-P1-5	HEAT	20 A	1		1560...							10
11	B B-P1-6	HEAT	20 A	1			1560...						12
13	B B-P1-7	HEAT	20 A	1	1560...								14
15	B B-P1-8 & B B-P1-9	HEAT	20 A	1		3120...							16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:			4925 VA	6400 VA	2365 VA						
		Total Amps:			44 A	57 A	20 A						

MP-P1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	170 VA		213 VA		
HEAT	13520 VA		13520 VA	**Total Conn. Load:**	13690 VA
				Total Est. Demand:	13733 VA
				Total Conn.:	38 A
				Total Est. Demand:	38 A

Notes:
*See Demand Factor Table

Reserved for permit stamp

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ELECTRICAL SCHEDULES

E6.07AB

BRANCH PANEL: ELP-P1B1

Location: TOWER B LVL P1 ELEC P107
Main Bus: 225 A
MCB: 225A
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	FIRE SMOKE DAMPERS	MISC	20 A	1	180 VA	360 VA		1	20 A	MISC	FSD B-1-4/5	2
3	FIRE SMOKE DAMPERS	MISC	20 A	1		540 VA	540 VA	1	20 A	MISC	FSD B-1-1/2/3	4
5	FIRE SMOKE DAMPERS	MISC	20 A	1			360 VA					6
7	FIRE SMOKE DAMPERS	MISC	20 A	1	360 VA							8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			900 VA	1080 VA	360 VA					
		Total Amps:			8 A	10 A	3 A					

ELP-P1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MISC	2340 VA		2340 VA		
				Total Conn. Load:	2340 VA
				Total Est. Demand:	2340 VA
				Total Conn.:	6 A
				Total Est. Demand:	6 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-1B1

Location: TOWER B LEVEL 1 ELEC B123
Main Bus: 225 A
MCB: 225
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: LP-P1B1
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	RCPTS GUEST BUSINESS...	RCPTS	20 A	1	720 VA	360 VA		1	20 A	RCPTS	RCPTS KIDS ROOM B113	2
3	RCPTS GUEST BUSINESS...	RCPTS	20 A	1		360 VA	360 VA	1	20 A	RCPTS	RCPTS SKI VALET BOH B121	4
5	RCPTS CIRCULATION B109 N	RCPTS	20 A	1			900 VA	1	20 A	RCPTS	RCPTS LOBBY B07	6
7	RECPTS OFFICE B106/B111	RCPT	20 A	1	380 VA	720 VA		1	20 A	RCPTS	RCPTS SKY LOCKERS	8
9	RCPTS ROOM B106, B111	RCPTS	20 A	1		360 VA	900 VA	1	20 A	RCPTS	RCPTS GUEST TOILETS B115	10
11	RCPTS GUEST PFFOCE B111	RCPTS	20 A	1			180 VA					12
13	RCPTS SKI LOUNGE B112	RCPTS	20 A	1	180 VA							14
15	RCPTS SKI LOUNGE B112	RCPTS	20 A	1		720 VA	230 VA	2	15 A	MTRS	FCU-B-1-1	16
17	RCPTS SKI LOUNGE BAR B108	RCPTS	20 A	1			360 VA	230 VA	--	--	--	18
19	RCPTS SKI LOUNGE B110	RCPTS	20 A	1	720 VA							20
21												22
23												24
25												26
27												28
29												30
31	UH-A	HEAT	20 A	1	1000...							32
33	UH-A	HEAT	20 A	1		1000...						34
35	STAIR 03B B202/B302/B102	RCPT	20 A	1			540 VA					36
37	STAIR 03A B201/B301/B101	RCPT	20 A	1	540 VA							38
39	STAIR 04B B205/B305/B104	RCPT	20 A	1		540 VA	720 VA	1	20 A	RCPTS	TOWER B ELEV LOBBY RCPT	40
41	STAIR 04A B204/B304,B103	RCPT	20 A	1			540 VA	1080...	1	20 A	RCPTS	TOWER B ELEV LOBBY RCPT	42
		Total Load:			4620 VA	5190 VA	4730 VA					
		Total Amps:			39 A	43 A	40 A					

LP-1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	9540 VA		9540 VA		
MTRS	460 VA		575 VA	**Total Conn. Load:**	14540 VA
HEAT	2000 VA		2000 VA	**Total Est. Demand:**	14655 VA
RCPT	2540 VA		2540 VA	**Total Conn.:**	40 A
				Total Est. Demand:	41 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLP-1B1

Location: ELEC B123
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-P1B1-0
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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLP-1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: SMPH-P1B1

Location: TOWER B LEVEL P1 ELEC P106
Main Bus: 400 A
MCB: 400
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: S-DPH-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	SPF B-P1-1	MTRS	20 A	3	1330...	1330...		3	15 A	MTRS	SPF B-P1-3	2
3	--	--	--	--		1330...	1330...	--	--	--	--	4
5	--	--	--	--			1330...	--	--	--	--	6
7	SPF B-P1-2	MTRS	20 A	3	1330...	1330...		3	20 A	MTRS	GEF B-P1-2	8
9	--	--	--	--		1330...	1330...	--	--	--	--	10
11	--	--	--	--			1330...	--	--	--	--	12
13	SMPH-7B1	MTRS	20 A	3	1330...	2107...		3	20 A	MTRS	GEF B-P1-1	14
15	--	--	--	--		1330...	2107...	--	--	--	--	16
17	--	--	--	--			1330...	2107...	--	--	--	18
19	GEF B-P1-5	MTRS	20 A	3	1330...	1330...		3	20 A	MTRS	GEF B-P1-4	20
21	--	--	--	--		1330...	1330...	--	--	--	--	22
23	--	--	--	--			1330...	1330...	--	--	--	24
25					1330...			3	15 A	MTRS	SPF B-P1-4	26
27						1330...		--	--	--	--	28
29							1330...	--	--	--	--	30
31					1330...			3	20 A	MTRS	GEF B-P1-3	32
33						1330...		--	--	--	--	34
35							1330...	--	--	--	--	36
37												38
39												40
41												42
43												44
45												46
47												48
49												50
51												52
53												54
55												56
57												58
59												60
		Total Load:			14077 VA	14077 VA	14077 VA					
		Total Amps:			51 A	51 A	51 A					

SMPH-P1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	42230 VA		43810 VA		
				Total Conn. Load:	42230 VA
				Total Est. Demand:	43810 VA
				Total Conn.:	51 A
				Total Est. Demand:	53 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MPH-1B1

Location: TOWER B LEVEL 1 ELEC B123
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: MPH-P1B1
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 B-1-1	MTRS	15 A	1	1470...							2
3	FPT B-1-2	MTRS	15 A	1		1470...						4
5	FPT B-1-3	MTRS	15 A	1			610 VA					6
7	FPT B-1-4	MTRS	15 A	1	1470...							8
9	FPT B-1-5	MTRS	15 A	1		1470...						10
11	FPT B-1-6	MTRS	15 A	1			1470...					12
13	FPT B-1-7 & FPT B-1-8	MTRS	15 A	1	1220...							14
15	FPT B-1-12	MTRS	15 A	1		1470...						16
17	FPT B-1-9 & FPT B-11	MTRS	15 A	1			970 VA					18
19	FPT B-1-10	MTRS	15 A	1	1470...							20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			5630 VA	4410 VA	3050 VA					
		Total Amps:			21 A	17 A	11 A					

MPH-1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
MTRS	13090 VA		13458 VA		
				Total Conn. Load:	13090 VA
				Total Est. Demand:	13458 VA
				Total Conn.:	16 A
				Total Est. Demand:	16 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-6A1

Location: TOWER A LEVEL 6 ELEC A602
Main Bus: 225 A
MCB: 225A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-6A1-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 A STAIR 01A RCPT	RCPTS	20 A	1	360 VA	360 VA		1	20 A	RCPTS	TOWER A L4 CORR. RCPT	2
3	TOWER A STAIR 02A RCPT	RCPTS	20 A	1		540 VA	360 VA	1	20 A	RCPTS	TOWER A L4 CORR. RCPT	4
5	TOWER A ROOF MAINT GFI...	RCPTS	20 A	1			180 VA	540 VA	1	20 A	RCPTS	TOWER A L5 CORR. RCPT	6
7	TOWER A ROOF MAINT GFI...	RCPTS	20 A	1	180 VA								8
9	TOWER A STAIR 01B/A502	RCPTS	20 A	1		360 VA							10
11	TOWER A STAIR...	RCPTS	20 A	1			540 VA						12
13	ROOF TOP MAINTENANCE...	RCPTS	20 A	1	180 VA								14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35	ELEC A602 RCPT	RCPTS	20 A	1			180 VA						36
37	FA CLOSET A601 RCPT	RCPTS	20 A	1	180 VA								38
39	ELEV T1 TOP OF SHAFT RCPT	RCPTS	20 A	1		180 VA							40
41	ELEV T2 TOP OF SHAFT GFI...	RCPTS	20 A	1			180 VA	1000...	1	20 A	HEAT	UH-A	42
		Total Load:			1260 VA	1440 VA	2620 VA					
		Total Amps:			11 A	12 A	22 A					

LP-6A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	4320 VA		4320 VA		
HEAT	1000 VA		1000 VA	**Total Conn. Load:**	5320 VA
				Total Est. Demand:	5320 VA
				Total Conn.:	15 A
				Total Est. Demand:	15 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLPH-P1B1

Location: ELECTRICAL P107
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: OLPH-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	OLPH-7B1	MISC	20 A	3	0 VA							2
3	--	--	--	--		0 VA						4
5	--	--	--	--			0 VA					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0 VA			3	110 A	MISC	T-P1B1-0	38
39						0 VA		--	--	--	--	40
41							0 VA	--	--	--	--	42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLPH-P1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELPH-1B1

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

Fed From: ELPH-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	LTS	LTS	20 A	1	672 VA	576 VA		1	20 A	LTS	LTS	2
3	LTS TOWER B - LVL B	LTS	20 A	1			680 VA					4
5	LTS -STAIR 03A	LTS	20 A	1			1071...					6
7	LTS -STAIR 04A	LTS	20 A	1	1152...							8
9												10
11												12
13	LTS circulation b109 N	Other; LTS	20 A	1	2547...							14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	PANEL ELPH-7B1	Other; LTS	100 A	3	768 VA							38
39	--	--	--	--		1440...						40
41	--	--	--	--			1532 553 VA	1	20 A	Other; LTS	LTS TOWER B LEVEL 2	42
		Total Load:			5715 VA	2120 VA	3156 VA					
		Total Amps:			21 A	8 A	12 A					

ELPH-1B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
Other	133 VA		133 VA		
LTS	10858 VA		13573 VA	**Total Conn. Load:**	10991 VA
				Total Est. Demand:	13705 VA
				Total Conn.:	13 A
				Total Est. Demand:	16 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-6A1

Location: TOWER A LEVEL 6 ELEC A602
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: LPH-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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	TRANSFORMER T-6A1-L...	RCPTS;...	70 A	3	1260...							38
39	--	--	--	--		1440...						40
41	--	--	--	--			2620...					42
		Total Load:			1260 VA	1440 VA	2620 VA					
		Total Amps:			5 A	5 A	10 A					

LPH-6A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	4320 VA		4320 VA		
HEAT	1000 VA		1000 VA	**Total Conn. Load:**	5320 VA
				Total Est. Demand:	5320 VA
				Total Conn.:	6 A
				Total Est. Demand:	6 A

Notes:
*See Demand Factor Table

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ELECTRICAL SCHEDULES

E6.08AB

BRANCH PANEL: MPH-6A1

Location: TOWER A LEVEL 6 ELEC A602
Main Bus: 400 A
MCB: 400A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: MPH-1A1
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	ASHP A-R-2	MTRS	200 A	3	3963... 303 VA			3	15 A	MTRS	AX A-R-1	2
3	--	--	--	--		3963... 303 VA		--	--	--	--	4
5	--	--	--	--			3963... 303 VA	--	--	--	--	6
7	ASHP A-R-1	MTRS	150 A	3	2716... 267 VA			3	15 A	MTRS	DX A-R-1	8
9	--	--	--	--		2716... 267 VA		--	--	--	--	10
11	--	--	--	--			2716... 267 VA	--	--	--	--	12
13	TX A-R-1	MTRS	15 A	3	267 VA 443 VA			3	15 A	MTRS	TX A-R-2	14
15	--	--	--	--		267 VA 443 VA		--	--	--	--	16
17	--	--	--	--			267 VA 443 VA	--	--	--	--	18
19	KX RESTAURANT	MTRS	15 A	3	2107... 303 VA			3	15 A	MTRS	KX A-R-2	20
21	--	--	--	--		2107... 303 VA		--	--	--	--	22
23	--	--	--	--			2107... 303 VA	--	--	--	--	24
25	KX RESTAURANT	MTRS	15 A	3	2107... 267 VA			3	15 A	MTRS	DX A-R-2	26
27	--	--	--	--		2107... 267 VA		--	--	--	--	28
29	--	--	--	--			2107... 267 VA	--	--	--	--	30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			72853 VA	72853 VA	72853 VA					
		Total Amps:			263 A	263 A	263 A					

MPH-6A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	218560 VA		248283 VA	
				Total Conn. Load: 218560 VA
				Total Est. Demand: 248283 VA
				Total Conn.: 263 A
				Total Est. Demand: 299 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLP-6A1

Location: ELEC A602
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-6A1-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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLP-6A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: MPH-7B1

Location: TOWER B LEVEL 7 ELEC B706
Main Bus: 400 A
MCB: 400A
Voltage: 480/277 Wye
AIC Rating: 14 kA

Fed From: MPH-P1B1
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	TX B-R-1	MTRS	15 A	3	583 VA 2716...			3	100 A	MTRS	ASHP B-R-1	2
3	--	--	--	--		583 VA 2716...		--	--	--	--	4
5	--	--	--	--			583 VA 2716...	--	--	--	--	6
7	KX B-R-1	MTRS	15 A	3	943 VA 3963...			3	150 A	MTRS	ASHP B-R-2	8
9	--	--	--	--		943 VA 3963...		--	--	--	--	10
11	--	--	--	--			943 VA 3963...	--	--	--	--	12
13	DX B-R-1	MTRS	15 A	3	303 VA 583 VA			3	15 A	MTRS	TX B-R-2	14
15	--	--	--	--		303 VA 583 VA		--	--	--	--	16
17	--	--	--	--			303 VA 583 VA	--	--	--	--	18
19					830 VA			3	15 A	MTRS	KX B-R-2	20
21						830 VA		--	--	--	--	22
23							830 VA	--	--	--	--	24
25					303 VA			3	15 A	MTRS	DX B-R-2	26
27						303 VA		--	--	--	--	28
29							303 VA	--	--	--	--	30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			70337 VA	70337 VA	70337 VA					
		Total Amps:			254 A	254 A	254 A					

MPH-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	211010 VA		240733 VA	
				Total Conn. Load: 211010 VA
				Total Est. Demand: 240733 VA
				Total Conn.: 254 A
				Total Est. Demand: 290 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELPH-6A1

Location: ELEC A602
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: ELPH-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												2
3	LTS- STAIR 01A	LTS	20 A	1		634 VA						4
5	LTS- STAIR 01B	LTS	20 A	1			384 VA					6
7	LTS- STAIR 02B	LTS	20 A	1	768 VA							8
9	LTS- STAIR 02A	Other; LTS	20 A	1	1175...							10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			768 VA	1809 VA	384 VA					
		Total Amps:			3 A	7 A	1 A					

ELPH-6A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
Other	22 VA		22 VA	
LTS	2939 VA		3674 VA	**Total Conn. Load:** 2961 VA
				Total Est. Demand: 3696 VA
				Total Conn.: 4 A
				Total Est. Demand: 4 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LP-7B1

Location: TOWER B LEVEL 7 ELEC B706
Main Bus: 225 A
MCB: 225A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-7B1-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						180 VA		1	20 A	RCPTS	FA CLOSET B703	2
3							180 VA	1	20 A	Power	TOWER B ROOF MAINT GFI...	4
5								180 VA	1	20 A	Power	TOWER B ROOF MAINT GFI...	6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35	STAIR 03B...	RCPT	20 A	1			720 VA	180 VA	1	20 A	RCPT	ELEV T3 TOP OF SHAFT RCPT	36
37	STAIR 03A...	RCPT	20 A	1	720 VA	180 VA			1	20 A	RCPT	ELEV T3 TOP OF SHAFT RCPT	38
39	STAIR 04B...	RCPT	20 A	1		720 VA	1080...		1	20 A	RCPTS	TOWER B ELEV LOBBY RCPT	40
41	STAIR 04A...	RCPT	20 A	1	1080 VA		720 VA	1080...	1	20 A	RCPTS	TOWER B ELEV LOBBY RCPT	42
		Total Load:			1080 VA	1980 VA	2880 VA					
		Total Amps:			9 A	18 A	25 A					

LP-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	2340 VA		2340 VA	
Power	360 VA		360 VA	**Total Conn. Load:** 5940 VA
RCPT	3240 VA		3240 VA	**Total Est. Demand:** 5940 VA
				Total Conn.: 16 A
				Total Est. Demand: 16 A

Notes:
*See Demand Factor Table

BRANCH PANEL: ELPH-7B1

Location: ELEC B706
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: ELPH-1B1
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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33							672 VA		1	20 A	LTS	LTS STAIR 04A	34
35								672 VA	1	20 A	LTS	LTS STAIR 03A	36
37					768 VA				1	20 A	LTS	LTS STAIR 04B	38
39							768 VA		1	20 A	LTS	LTS STAIR 03B	40
41								860 VA	1	20 A	Other; LTS	LTS TOWER B LEVEL 4 & 5	42
		Total Load:			768 VA	1440 VA	1532 VA					
		Total Amps:			3 A	6 A	6 A					

ELPH-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
Other	55 VA		55 VA	
LTS	3685 VA		4606 VA	**Total Conn. Load:** 3740 VA
				Total Est. Demand: 4661 VA
				Total Conn.: 4 A
				Total Est. Demand: 6 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLPH-6A1

Location: ELEC A602
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: OLPH-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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	T-6A1-O	MISC	110 A	3	0 VA							38
39	--	--	--	--		0 VA						40
41	--	--	--	--			0 VA					42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLPH-6A1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: LPH-7B1

Location: ELEC B706
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: LPH-P1B1
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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	T-7B1-L	Power;...	70 A	3	1080...							38
39	--	--	--	--		1980...						40
41	--	--	--	--			2880...					42
		Total Load:			1080 VA	1980 VA	2880 VA					
		Total Amps:			4 A	8 A	11 A					

LPH-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
RCPTS	2340 VA		2340 VA	
Power	360 VA		360 VA	**Total Conn. Load:** 5940 VA
RCPT	3240 VA		3240 VA	**Total Est. Demand:** 5940 VA
				Total Conn.: 7 A
				Total Est. Demand: 7 A

Notes:
*See Demand Factor Table

BRANCH PANEL: SMPH-7B1

Location: EM ELEC B706.1
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: SMPH-P1B1
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	SPF B-R-1	MTRS	20 A	3	1330...							2
3	--	--	--	--		1330...						4
5	--	--	--	--			1330...					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			1330 VA	1330 VA	1330 VA					
		Total Amps:			5 A	5 A	5 A					

SMPH-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
MTRS	3990 VA		4988 VA	
				Total Conn. Load: 3990 VA
				Total Est. Demand: 4988 VA
				Total Conn.: 5 A
				Total Est. Demand: 6 A

Notes:
*See Demand Factor Table

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date 07/15/2022

revisions:

no. date by

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07/15/2022

ELECTRICAL SCHEDULES

E6.09AB

BRANCH PANEL: OLPH-7B1

Location: ELEC B706
Main Bus: 225 A
MCB: 225A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: OLPH-P1B1
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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37	T-7B1-0	MISC	110 A	3	0 VA							38
39	--	--	--	--		0 VA						40
41	--	--	--	--			0 VA					42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLPH-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLP-7B1

Location: ELEC B706
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-7B1-0
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												2
3												4
5												6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
		Total Load:			0 VA	0 VA	0 VA					
		Total Amps:			0 A	0 A	0 A					

OLP-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
*See Demand Factor Table

RESIDENTIAL METERING MODULE MM-A SUMMARY

PROJECT: Sommet Blanc **AIC Rating: 35 kA**

JOB NUMBER B2115392.000

Unit Type	Quantity	General Lighting VA	Fixed Appliance VA	Electric Range VA	Electric Dryer VA	HVAC VA	Total VA	Total Amp at 208V, 3P
A	4	49,800	152,980	32,000	20,000	79,000	333,780	
B	3	36,495	114,735	24,000	15,000	59,250	249,480	
C	2	25,392	50,090	16,000	10,000	41,200	142,682	
D	1	12,138	38,245	8,000	5,000	19,750	83,133	
E	2	28,404	76,490	16,000	10,000	43,200	174,094	
F	1	14,106	38,245	8,000	5,000	21,550	86,901	
H	1	16,326	38,245	8,000	5,000	22,450	90,021	
I	1	20,478	38,245	8,000	5,000	23,350	95,073	
P	1	8,874	25,045	8,000	5,000	4,250	51,169	
Q	1	6,930	25,045	8,000	5,000	3,250	48,225	
Total:	**17**	**218,943**	**597,365**	**136,000**	**85,000**	**317,250**	**1,354,558**	

NEC 220-84 => Optional Calculations **39%** **528,278** **1,467**

Applicable when all of the following conditions are met:

YES	1	No dwelling unit is supplied by more than one feeder	AMPS@208V
YES	2	Each dwelling unit is equipped with Electric Cooking	
YES	3	Each dwelling unit is equipped with either Electric Space Heating or Air-conditioning or both.	

RESIDENTIAL METERING MODULE MM-B SUMMARY

PROJECT: Sommet Blanc **AIC Rating: 35 kA**

JOB NUMBER B2115392.000

Unit Type	Quantity	General Lighting VA	Fixed Appliance VA	Electric Range VA	Electric Dryer VA	HVAC VA	Total VA	Total Amp at 208V, 3P
A	5	62,250	191,225	40,000	25,000	98,750	417,225	
B	5	60,825	191,225	40,000	25,000	98,750	415,800	
C	2	25,392	50,090	16,000	10,000	41,200	142,682	
D	2	24,276	76,490	16,000	10,000	39,500	166,266	
E	2	28,404	76,490	16,000	10,000	43,200	174,094	
F	2	28,212	76,490	16,000	10,000	43,100	173,802	
G	1	13,452	38,245	8,000	5,000	20,700	85,397	
J	1	18,006	38,245	8,000	5,000	21,700	90,951	
K	1	18,981	38,245	8,000	5,000	23,350	93,576	
P	1	8,874	25,045	8,000	5,000	4,250	51,169	
Q	1	6,930	25,045	8,000	5,000	3,250	48,225	
Total:	**23**	**295,602**	**826,835**	**184,000**	**115,000**	**437,750**	**1,899,187**	

NEC 220-84 => Optional Calculations **36%** **669,307** **1,859**

Applicable when all of the following conditions are met:

YES	1	No dwelling unit is supplied by more than one feeder	AMPS@208V
YES	2	Each dwelling unit is equipped with Electric Cooking	
YES	3	Each dwelling unit is equipped with either Electric Space Heating or Air-conditioning or both.	

RESIDENTIAL METERING MODULE MM-C SUMMARY

PROJECT: Sommet Blanc

JOB NUMBER B2115392.000

Unit Type	Quantity	General Lighting VA	Fixed Appliance VA	Electric Range VA	Electric Dryer VA	HVAC VA	Total VA	Total Amp at 208V, 3P
L	1	16,413	37,045	8,000	5,000	20,400	86,858	241
M	6	103,734	222,270	48,000	30,000	127,800	531,804	1,477
N	5	86,175	185,225	40,000	25,000	106,500	442,900	1,230
O	1	19,890	37,045	8,000	5,000	21,300	91,235	253
R	4	23,100	95,380	32,000	20,000	6,800	177,280	492
Total:	**17**	**249,312**	**576,965**	**136,000**	**85,000**	**282,800**	**1,330,077**	

NEC 220-84 => Optional Calculations **39%** **518,730** **1,441**

Applicable when all of the following conditions are met:

YES	1	No dwelling unit is supplied by more than one feeder	AMPS@208V
YES	2	Each dwelling unit is equipped with Electric Cooking	
YES	3	Each dwelling unit is equipped with either Electric Space Heating or Air-conditioning or both.	

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ELECTRICAL SCHEDULES

E6.10AB

ELECTRICAL CONNECTION SCHEDULE - UNITS

EQUIPMENT TAG NUMBER	DESCRIPTION	LOCATION	INPUT FROM MECHANICAL AND PLUMBING SCHEDULES-DESIGN							BRANCH CIRCUIT		LOAD CALCULATION		SERVED FROM:	EQUIPMENT CONNECTION BY		PART-B -INPUT FROM MECHANICAL AND PLUMBING SCHEDULES-FROM SUBMITTALS							
			QUANTITY	VOLTAGE	PHASE	HP	KW	FLA	MCA	MOCP	CONDUIT (SEE NOTE)	WIRE SIZE (AWG)	AMPS	KVA		E	M	BOD / SUBSTITUTE	VOLTAGE	PHASE	HP	KW	FLA	MCA	MOCP	EQUIPMENT CONNECTON TYPE
FCU-A-1	FAN COIL	UNIT A BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-A-2	FAN COIL	UNIT A BEDROOM 2	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-A-3	FAN COIL	UNIT A BEDROOM 3	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-A-4	FAN COIL	UNIT A LIVING ROOM	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-B-1	FAN COIL	UNIT B BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-B-2	FAN COIL	UNIT B BEDROOM 2	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-B-3	FAN COIL	UNIT B BEDROOM 3	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-B-4	FAN COIL	UNIT B LIVING ROOM	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-C-1	FAN COIL	UNIT C BEDROOM	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-C-2	FAN COIL	UNIT C BEDROOM	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-C-3	FAN COIL	UNIT C BEDROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-C-4	FAN COIL	UNIT C DEN	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-C-5	FAN COIL	UNIT C LIVING ROOM	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-D-1	FAN COIL	UNIT D BEDROOM 1	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-D-2	FAN COIL	UNIT D BEDROOM 2	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-D-3	FAN COIL	UNIT D BEDROOM 3	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-D-4	FAN COIL	UNIT D LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-E-1	FAN COIL	UNIT E LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-E-2	FAN COIL	UNIT E LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-E-3	FAN COIL	UNIT E BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-E-4	FAN COIL	UNIT E BEDROOM 2	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-E-5	FAN COIL	UNIT E BEDROOM 3	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-E-6	FAN COIL	UNIT E BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-F-1	FAN COIL	UNIT F BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-F-2	FAN COIL	UNIT F BEDROOM 2	1	208	1			8.7						1.81	UNIT PANEL	X										
FCU-F-3	FAN COIL	UNIT F BEDROOM 3	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-F-4	FAN COIL	UNIT F BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-F-5	FAN COIL	UNIT F LIVING ROOM	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-F-6	FAN COIL	UNIT F LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-G-1	FAN COIL	UNIT G BEDROOM 1	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-G-2	FAN COIL	UNIT G BEDROOM 2	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-G-3	FAN COIL	UNIT G BEDROOM 3	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-G-4	FAN COIL	UNIT G BEDROOM 4	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-G-5	FAN COIL	UNIT G LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-H-1	FAN COIL	UNIT H BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-H-2	FAN COIL	UNIT H BEDROOM 2	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-H-3	FAN COIL	UNIT H BEDROOM 3	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-H-4	FAN COIL	UNIT H BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-H-5	FAN COIL	UNIT H LIVING ROOM	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-H-6	FAN COIL	UNIT H LIVING ROOM	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-H-7	FAN COIL	UNIT H DEN	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-I-1	FAN COIL	UNIT I BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-I-2	FAN COIL	UNIT I BEDROOM 2	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-I-3	FAN COIL	UNIT I BEDROOM 3	1	208	1			8.7						1.81	UNIT PANEL	X										
FCU-I-4	FAN COIL	UNIT I BEDROOM 4	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-I-5	FAN COIL	UNIT I BEDROOM 5	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-I-6	FAN COIL	UNIT I LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-I-7	FAN COIL	UNIT I LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-I-8	FAN COIL	UNIT I DEN	1	208	1			8.7						1.81	UNIT PANEL	X										
FCU-J-1	FAN COIL	UNIT J BEDROOM 1	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-J-2	FAN COIL	UNIT J BEDROOM 2	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-J-3	FAN COIL	UNIT J BEDROOM 3	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-J-4	FAN COIL	UNIT J BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-J-5	FAN COIL	UNIT J BEDROOM 5	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-J-6	FAN COIL	UNIT J LIVING ROOM	1	208	1			7.9						1.64	UNIT PANEL	X										
FCU-K-1	FAN COIL	UNIT K BEDROOM 1	1	208	1			7.9						1.64	UNIT PANEL	X										
FCU-K-2	FAN COIL	UNIT K BEDROOM 2	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-K-3	FAN COIL	UNIT K BEDROOM 3	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-K-4	FAN COIL	UNIT K BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-K-5	FAN COIL	UNIT K BEDROOM 5	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-K-6	FAN COIL	UNIT K LIVING ROOM	1	208	1			7.9						1.64	UNIT PANEL	X										
FCU-K-7	FAN COIL	UNIT K LIVING ROOM	1	208	1			7.9						1.64	UNIT PANEL	X										
FCU-K-8	FAN COIL	UNIT K DEN	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-L-1	FAN COIL	UNIT L BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-L-2	FAN COIL	UNIT L BEDROOM 2	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-L-3	FAN COIL	UNIT L BEDROOM 3	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-L-4	FAN COIL	UNIT L BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-L-5	FAN COIL	UNIT L LIVING ROOM	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-M-1	FAN COIL	UNIT M BEDROOM 1	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-M-2	FAN COIL	UNIT M BEDROOM 2	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-M-3	FAN COIL	UNIT M BEDROOM 3	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-M-4	FAN COIL	UNIT M BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-M-5	FAN COIL	UNIT M BEDROOM 5	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-M-6	FAN COIL	UNIT M LIVING ROOM	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-N-1	FAN COIL	UNIT N BEDROOM 1	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-N-2	FAN COIL	UNIT N BEDROOM 2	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-N-3	FAN COIL	UNIT N BEDROOM 3	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-N-4	FAN COIL	UNIT N BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-N-5	FAN COIL	UNIT N BEDROOM 5	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-N-6	FAN COIL	UNIT N LIVING ROOM	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-O-1	FAN COIL	UNIT O BEDROOM 1	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-O-2	FAN COIL	UNIT O BEDROOM 2	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-O-3	FAN COIL	UNIT O BEDROOM 3	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-O-4	FAN COIL	UNIT O BEDROOM 4	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-O-5	FAN COIL	UNIT O BEDROOM 5	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-O-6	FAN COIL	UNIT O LIVING ROOM	1	208	1			6.3						1.31	UNIT PANEL	X										
FCU-O-7	FAN COIL	UNIT O LIVING ROOM	1	208	1			7.9						1.64	UNIT PANEL	X										
FCU-O-8	FAN COIL	UNIT O DEN	1	208	1			4.1						0.85	UNIT PANEL	X										
FCU-P-1	FAN COIL	UNIT P BEDROOM 1	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-P-2	FAN COIL	UNIT P BEDROOM 2	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-P-3	FAN COIL	UNIT P LIVING ROOM	1	208	1			2.6						0.54	UNIT PANEL	X										
FCU-Q-1	FAN COIL	UNIT Q BEDROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-Q-2	FAN COIL	UNIT Q LIVING ROOM	1	208	1			1.3						0.27	UNIT PANEL	X										
FCU-R-1	FAN COIL	UNIT R	1	208	1			1.3						0.27	UNIT PANEL	X										

NOTES:

COORDINATE WITH OTHER TRADES SUBMITTAL PACKAGE AND FILL THE PART-B OF THE SCHEDULE BASED ON THE MANUFACTURERS DATA.THE SCHEDULES SHALL BE SUBMITTED ALONG WITH THE PANEL BOARDS, DISCONNECTS AND FUSE SUBMITTAL PACKAGE. CONFIRM THE OVER CURRENT PROTECTION, WIRE AND CONDUIT SIZE SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS ELECTRICAL REQUIREMENT. THE ELECTRICAL SUBMITTALS WILL NOT BE APPROVED WITHOUT THE FILLED PART-B SCHEDULE.

MOTOR CONNECTION SCHEDULE: 208V-3 PHASE

HP	SHORT-CIRCUIT & GROUND FAULT		SWITCH AMPS	OVERLOAD FUSE AMPS*	BRANCH CIRCUIT AMPACITY	GROUNDING CONDUCTOR SIZE	STARTER SIZE NEMA
	CIRCUIT BREAKER	FUSE SIZE					
1/2	15A	6A	30	2.5	15	#12	1
3/4	15A	10A	30	3.5	15	#12	1
1	15A	10A	30	5	15	#12	1
1 1/2	15A	15A	30	7	15	#12	1
2	15A	15A	30	9	15	#12	1
3	20A	20A	30	15	20	#12	1
5	35A	30A	30	20	30	#10	1
7 1/2	50A	45A	60	30	40	#10	2
10	60A	60A	60	40	50	#10	3
15	90A	90A	100	60	70	#8	3
20	100A	110A	100	80	80	#6	3
25	125A	150A	100	90	100	#6	4
30	150A	175A	200	110	125	#6	4
40	200A	200A	200	150	175	#6	5
50	250A	300A	200	175	200	#4	5
60	300A	300A	400	200	225	#4	5
75	350A	400A	400	250	300	#2	6
100	450A	500A	400	350	400	#2	6
125	600A	600A	600	450	450	#1	6
150	700A	700A	600	500	600	#1/0	6

REFER TO WIRING SCHEDULE FOR BRANCH CIRCUIT REQUIREMENTS
SIZES BASED ON COPPER CONDUCTORS
* VALUE ASSUMES A SERVICE FACTOR OF AT LEAST 1.15.

MOTOR CONNECTION SCHEDULE: 480V-3 PHASE

HP	SHORT-CIRCUIT & GROUND FAULT		SWITCH AMPS	OVERLOAD FUSE AMPS*	BRANCH CIRCUIT AMPACITY	GROUNDING CONDUCTOR SIZE	STARTER SIZE NEMA
	CIRCUIT BREAKER	FUSE SIZE					
1/2	15A	4A	30	1.125	15	#12	1
3/4	15A	4A	30	1.6	15	#12	1
1	15A	6A	30	2	15	#12	1
1 1/2	15A	6A	30	2.8	15	#12	1
2	15A	6A	30	4	15	#12	1
3	15A	10A	30	5.6	15	#12	1
5	15A	15A	30	9	20	#12	1
7 1/2	25A	20A	30	15	20	#10	1
10	35A	25A	30	17.5	20	#10	2
15	45A	40A	30	25	30	#10	2
20	50A	50A	60	35	40	#10	2
25	70A	60A	60	40	50	#8	3
30	70A	70A	60	45	50	#8	3
40	100A	100A	100	60	70	#8	3
50	125A	125A	100	80	90	#6	4
60	150A	150A	200	90	100	#6	4
75	150A	175A	200	110	125	#6	4
100	175A	225A	200	150	175	#4	5
125	250A	300A	200	200	200	#4	5
150	300A	350A	400	225	225	#2	5
200	400A	450A	400	300	300	#2	5

RIREFER TO WRING SCHEDULE FOR BRANCH CIRCUIT REQUIREMENTS
SIZES BASED ON COPPER CONDUCTORS
* VALUE ASSUMES A SERVICE FACTOR OF AT LEAST 1.15.

N

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ELECTRICAL CONNECTION SCHEDULE

E7.01AB

ELECTRICAL CONNECTION SCHEDULE

EQUIPMENT TAG NUMBER	DESCRIPTION	LOCATION	INPUT FROM MECHANICAL AND PLUMBING SCHEDULES-DESIGN								BRANCH CIRCUIT		LOAD CALCULATION		SERVED FROM:	EQUIPMENT CONNECTION BY		PART-B -INPUT FROM MECHANICAL AND PLUMBING SCHEDULES-FROM SUBMITTALS								
			QUANTITY	VOLTAGE	PHASE	HP	KW	FLA	MCA	MOCP	CONDUIT (SEE NOTE)	WIRE SIZE (AWG)	AMPS	KVA		E	M	BOD / SUBSTITUTE	VOLTAGE	PHASE	HP	KW	FLA	MCA	MOCP	EQUIPMENT CONNECTION TYPE
ASHP-A-R-1	AIR SOURCE HEAT PUMP	TOWER A ROOF	1	480	3				98		2"	3 #1 & 1#6G	98.0	81.48	MPH-6A1	X										
ASHP-A-R-2	AIR SOURCE HEAT PUMP	TOWER A ROOF	1	480	3				143		2-1/2"	3 #3/0 & 1#6G	143.0	118.89	MPH-6A2	X										
ASHP-B-R-1	AIR SOURCE HEAT PUMP	TOWER B ROOF	1	480	3				98		2"	3 #1 & 1#6G	98.0	81.48	MPH-7B1	X										
ASHP-B-R-2	AIR SOURCE HEAT PUMP	TOWER B ROOF	1	480	3				143		2-1/2"	3 #3/0 & 1#6G	143.0	118.89	MPH-7B2	X										
ASHP-C-R-1	AIR SOURCE HEAT PUMP	TOWER C ROOF	1	480	3				184		2-1/2"	3 #250 & 1#4G	184.0	152.97	MPH-8C1	X										
AHU-A-B1-1	AIR HANDLING UNIT	TOWER A BOILER 012	1	480	3			12.1			1/2"	3 #12 & 1#12G	12.1	10.06		X										**VFD**
AHU-A-B1-2	AIR HANDLING UNIT	TOWER A LEVEL B1	1	480	3	25					1"	3 #8 & 1#10G	34.0	28.27		X										**VFD**
AHU-A-1-1	AIR HANDLING UNIT	TOWER A LEVEL P2	1	480	3			8.2			1/2"	3 #12 & 1#12G	8.2	6.82		X										**VFD**
AHU-A-1-X	AIR HANDLING UNIT	TOWER A P213	1	480	3			14.0			1/2"	3 #12 & 1#12G	14.0	11.64		X										**VFD**
AHU-B-B-1	AIR HANDLING UNIT	TOWER B LEVEL B	1	480	3			4.9			1/2"	3 #12 & 1#12G	4.9	4.07		X										
AHU-B-P1-1	AIR HANDLING UNIT	TOWER B LEVEL P1	1	480	3			21.4			3/4"	3 #10 & 1#10G	21.4	17.79		X										**VFD**
AHU-C-1-1	AIR HANDLING UNIT	TOWER C LEVEL 1	1	480	3			8.4			1/2"	3 #12 & 1#12G	8.4	6.98		X										**VFD**
GEF-A-P2-1	FAN	TOWER-A P2 / GARAGE EX	1	480	3	1 1/2					1/2"	3 #12 & 1#12G	3.0	2.49		X										
GEF-A-P2-2	FAN	TOWER-A P2 / GARAGE EX	1	480	3	1 1/2					1/2"	3 #12 & 1#12G	3.0	2.49		X										
GEF-A-P2-3	FAN	TOWER-A P2 / GARAGE EX	1	480	3	1 1/2					1/2"	3 #12 & 1#12G	3.0	2.49		X										
GEF-B-P2-1	FAN	TOWER-B P2 / GARAGE EX	1	480	3	5					1/2"	3 #12 & 1#12G	7.6	6.32		X										
GEF-B-P1-1	FAN	TOWER-B P1 / GARAGE EX	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										
GEF-B-P1-2	FAN	TOWER-B P1 / GARAGE EX	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										
GEF-B-P1-3	FAN	TOWER-B P1 / GARAGE EX	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										
GEF-B-P1-4	FAN	TOWER-B P1 / GARAGE EX	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										
GEF-C-P1-1	FAN	TOWER-B P1 / GARAGE EX	1	480	3	2					1/2"	3 #12 & 1#12G	3.4	2.83		X										
EF-A-B-1	FAN	TOWER-A B / ELEC A018	1	277	1	1/4					1/2"	2 #12 & 1#12G	2.4	0.66		X										
EF-A-B-2	FAN	TOWER-A B / ELEVATOR CONTROL ROOM A015	1	277	1	1/4					1/2"	2 #12 & 1#12G	2.4	0.66		X										
EF-A-P2-1	FAN	GARAGE	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										**VFD**
EF-A-P2-2	FAN	GARAGE	1	208	1	3					3/4"	2 #10 & 1#10G	18.7	3.89		X										**VFD**
EF-B-B-1	FAN	TOWER-B STORAGE ELEC PANEL RM B006	1	277	1	1/4					1/2"	2 #12 & 1#12G	2.4	0.66		X										
EF-B-P2-1	FAN	GARAGE	1	208	3	3					1/2"	3 #12 & 1#12G	10.6	3.82		X										**VFD**
EF-B-P2-2	FAN	GARAGE	1	208	3	3					1/2"	3 #12 & 1#12G	10.6	3.82		X										**VFD**
EF-B-P2-3	FAN	GARAGE	1	208	3	3					1/2"	3 #12 & 1#12G	10.6	3.82		X										**VFD**
EF-B-P1-1	FAN	TOWER B P1	1	480	3	3/4					1/2"	3 #12 & 1#12G	1.6	1.33		X										
EF-B-P1-2	FAN	TOWER B P1	1	480	3	1 1/2					1/2"	3 #12 & 1#12G	3.0	2.49		X										
SPF-B-P1-1	FAN	GARAGE	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										**VFD**
SPF-B-P1-2	FAN	GARAGE	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										**VFD**
SPF-B-P1-3	FAN	GARAGE	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										**VFD**
SPF-B-P1-4	FAN	GARAGE	1	480	3	3					1/2"	3 #12 & 1#12G	4.8	3.99		X										**VFD**
EF-C-P1-1	FAN	GARAGE	1	208	3	1					1/2"	3 #12 & 1#12G	4.6	1.66		X										**VFD**
EF-C-P1-2	FAN	GARAGE	1	208	3	1					1/2"	3 #12 & 1#12G	4.6	1.66		X										**VFD**
EF-C-8-1	FAN	TOWER-C ELEC RM	1																							
EF-C-O-1	FAN	TOWER C UNIT O	1	208	1	1/6					1/2"	2 #12 & 1#12G	0.9	0.18		X										
EF-C-O-2	FAN	TOWER C UNIT O	1	208	1	1/6					1/2"	2 #12 & 1#12G	0.9	0.18		X										
EF-C-O-3	FAN	TOWER C UNIT O	1	208	1	1/6					1/2"	2 #12 & 1#12G	0.9	0.18		X										
TX-A-R-1	FAN	ROOF	1	480	3	1/3					#N/A	#N/A	0.0	0.00		X										
TX-A-R-2	FAN	ROOF	1	480	3	3/4					1/2"	3 #12 & 1#12G	1.6	1.33		X										
TX-A-R-3	FAN	ROOF	1	480	3	3/4					1/2"	3 #12 & 1#12G	1.6	1.33		X										
TX-A-R-4	FAN	ROOF	1	480	3	3/4					1/2"	3 #12 & 1#12G	1.6	1.33		X										
DX-A-R-1	FAN	ROOF	1	480	3	1/3					#N/A	#N/A	0.0	0.00		X										
DX-A-R-2	FAN	ROOF	1	480	3	1/3					#N/A	#N/A	0.0	0.00		X										
DX-A-R-3	FAN	ROOF	1	480	3	1/3					#N/A	#N/A	0.0	0.00		X										
DX-A-R-4	FAN	ROOF	1	480	3	1/3					#N/A	#N/A	0.0	0.00		X										
KX-A-R-1	FAN	ROOF	1	480	3	0.625					1/2"	3 #12 & 1#12G	1.1	0.91		X										
KX-A-R-2	FAN	ROOF	1	480	3	0.625					1/2"	3 #12 & 1#12G	1.1	0.91		X										
KX-A-R-3	FAN	ROOF	1	480	3	1					1/2"	3 #12 & 1#12G	2.1	1.75		X										**VFD**
KX-A-R-4	FAN	ROOF	1	480	3	0.625					1/2"	3 #12 & 1#12G	1.1	0.91		X										
TX-B-R-1	FAN	ROOF	1	480	3	1					1/2"	3 #12 & 1#12G	2.1	1.75		X										**VFD**
TX-B-R-2	FAN	ROOF	1	480	3	1					1/2"	3 #12 & 1#12G	2.1	1.75		X										**VFD**
TX-B-R-3	FAN	ROOF	1	480	3	1					1/2"	3 #12 & 1#12G	2.1	1.75		X										**VFD**
TX-B-R-4	FAN	ROOF	1	480	3	1					1/2"	3 #12 & 1#12G	2.1	1.75		X										**VFD**
DX-B-R-1	FAN	ROOF	1	480	3	1/2					1/2"	3 #12 & 1#12G	1.1	0.91		X										
DX-B-R-2	FAN	ROOF	1	480	3	1/2					1/2"	3 #12 & 1#12G	1.1	0.91		X										
DX-B-R-3	FAN	ROOF	1	480	3	1/2					1/2"	3 #12 & 1#12G	1.1	0.91		X										
DX-B-R-4	FAN	ROOF	1	480	3	1/2					1/2"	3 #12 & 1#12G	1.1	0.91		X										
KX-B-R-1	FAN	ROOF	1	480	3	2					1/2"	3 #12 & 1#12G	3.4	2.83		X										**VFD**
KX-B-R-2	FAN	ROOF	1	480	3	1.5					1/2"	3 #12 & 1#12G	3.0	2.49		X										**VFD**
KX-B-R-3	FAN	ROOF	1	480	3	2					1/2"	3 #12 & 1#12G	3.4	2.83		X										**VFD**
KX-B-R-4	FAN	ROOF	1	480	3	1.5					1/2"	3 #12 & 1#12G	3.0	2.49		X										**VFD**
TX-C-R-1	FAN	ROOF	1	208	1	3/4					1/2"	2 #12 & 1#12G	7.6	1.58		X										
TX-C-R-2	FAN	ROOF	1	208	1	1/3					1/2"	2 #12 & 1#12G	4.0	0.83		X										
TX-C-R-3	FAN	ROOF	1	208	1	3/4					1/2"	2 #12 & 1#12G	7.6	1.58		X										
TX-C-R-4	FAN	ROOF	1	208	1	1/3					1/2"	2 #12 & 1#12G	4.0	0.83		X										
DX-C-R-1	FAN	ROOF	1	208	1	1/3					1/2"	2 #12 & 1#12G	4.0	0.83		X										
DX-C-R-2	FAN	ROOF	1	208	1	1/3					1/2"	2 #12 & 1#12G	4.0	0.83		X										
KX-C-R-1	FAN	ROOF	1	208	3	3.00					1/2"	3 #12 & 1#12G	10.6	3.82		X										**VFD**
KX-C-R-2	FAN	ROOF	1	208	3	3.00					1/2"	3 #12 & 1#12G	10.6	3.82		X										**VFD**
FCU-A-B-1	FAN COIL UNIT	BOILER RM A012	1	208	1			4.8			1/2"	2 #12 & 1#12G	4.8	1.00		X										
FCU-A-P2-1	FAN COIL UNIT	ELEC SWITCHBOARD P214	1	208	1			4.8			1/2"	2 #12 & 1#12G	4.8	1.00		X										
FCU-A-P2-2	FAN COIL UNIT	RESTAURANT ELEC P264	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCU-A-1-1	FAN COIL UNIT	FIRE COMMAND CENTER A124	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCU-A-1-2	FAN COIL UNIT	VESTIBULE A112	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCH-1-6-1	FAN COIL UNIT	ELEC A602	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCU-B-B-1	FAN COIL UNIT	FIRE PUMP ROOM B011	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46	ELP-BB1	X										
FCU-B-P2-1	FAN COIL UNIT	ELEC EMERGENCY P254	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCU-B-P2-2	FAN COIL UNIT	POOL MECH P236	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCU-B-P2-3	FAN COIL UNIT	WATER ENTRY P239	1	208	1			0.8			1/2"	2 #12 & 1#12G	0.8	0.17		X										
FCU-B-P2-4	FAN COIL UNIT	POOL MECH P260	1	208	1			0.8			1/2"	2 #12 & 1#12G	0.8	0.17		X										
FCU-B-P1-1	FAN COIL UNIT	ELECTRICAL P107	1	208	1			0.8			1/2"	2 #12 & 1#12G	0.8	0.17		X										
FCU-B-P1-2	FAN COIL UNIT	ELECTRICAL P102	1	208	1			0.8			1/2"	2 #12 & 1#12G	0.8	0.17		X										
FCU-B-P1-3	FAN COIL UNIT	MECH P105	1	208	1			0.8			1/2"	2 #12 & 1#12G	0.8	0.17		X										
FCU-B-1-1	FAN COIL UNIT	VESTIBULE B120	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCU-C-P1-1	FAN COIL UNIT	C ELEC SWITCHGEAR C007	1	208	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.46		X										
FCU-C-1-1	FAN COIL UNIT	MEP C106	1	208	1			4.8			1/2"	2 #12 & 1#12G	4.8	1.00		X										
PCHWP-A-B-1	PUMP	PRIMARY CHILLED WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
PCHWP-A-B-2	PUMP	PRIMARY CHILLED WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
PHWP-A-B-1	PUMP	PRIMARY HOT WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
PHWP-A-B-2	PUMP	PRIMARY HOT WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										

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ELECTRICAL CONNECTION SCHEDULE UNITS

E7.02AB

ELECTRICAL CONNECTION SCHEDULE

EQUIPMENT TAG NUMBER	DESCRIPTION	LOCATION	INPUT FROM MECHANICAL AND PLUMBING SCHEDULES-DESIGN							BRANCH CIRCUIT		LOAD CALCULATION		SERVED FROM:	EQUIPMENT CONNECTION BY		PART-B -INPUT FROM MECHANICAL AND PLUMBING SCHEDULES-FROM SUBMITTALS								
			QUANTITY	VOLTAGE	PHASE	HP	KW	FLA	MCA	MOCP	CONDUIT (SEE NOTE)	WIRE SIZE (AWG)	AMPS	KVA		E	M	BOD / SUBSTITUTE	VOLTAGE	PHASE	HP	KW	FLA	MCA	MOCP	EQUIPMENT CONNECTION TYPE
PHWP-A-B-2	PUMP	PRIMARY HOT WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
SCHWP-A-B-1	PUMP	SECONDARY CHILLED WATER	1	480	3	20					1"	3 #8 & 1#10G	27.0	22.45		X										
SCHWP-A-B-2	PUMP	SECONDARY CHILLED WATER	1	480	3	20					1"	3 #8 & 1#10G	27.0	22.45		X										
SHWP-A-B-1	PUMP	SECONDARY HOT WATER	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
SHWP-A-B-2	PUMP	SECONDARY HOT WATER	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
BP-A-B-1	PUMP	BOILER 1	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
BP-A-B-2	PUMP	BOILER 2	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
BP-A-B-3	PUMP	BOILER 3	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
PCHWP-B-P1-1	PUMP	PRIMARY CHILLED WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
PCHWP-B-P1-2	PUMP	PRIMARY CHILLED WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
CHWP-B-P1-1	PUMP	PRIMARY HOT WATER	1	480	3	10					1/2"	3 #12 & 1#12G	14.0	11.64		X										
CHWP-B-P1-2	PUMP	PRIMARY HOT WATER	1	480	3	10					1/2"	3 #12 & 1#12G	14.0	11.64		X										
HWP-B-P1-1	PUMP	SECONDARY CHILLED WATER	1	480	3	25					1"	3 #8 & 1#10G	34.0	28.27		X										
HWP-B-P1-2	PUMP	SECONDARY CHILLED WATER	1	480	3	25					1"	3 #8 & 1#10G	34.0	28.27		X										
HWP-B-P1-1	PUMP	SECONDARY HOT WATER	1	480	3	20					1"	3 #8 & 1#10G	27.0	22.45		X										
HWP-B-P1-2	PUMP	SECONDARY HOT WATER	1	480	3	20					1"	3 #8 & 1#10G	27.0	22.45		X										
BP-B-P1-1	PUMP	BOILER 1	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
BP-B-P1-2	PUMP	BOILER 2	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
BP-B-P1-3	PUMP	BOILER 3	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
SMP-B-P1-1	PUMP	SNOWMELT	1	480	3	10					1/2"	3 #12 & 1#12G	14.0	11.64		X										
SMP-B-P1-2	PUMP	SNOWMELT	1	480	3	10					1/2"	3 #12 & 1#12G	14.0	11.64		X										
SMP-B-P1-3	PUMP	SNOWMELT	1	480	3	10					1/2"	3 #12 & 1#12G	14.0	11.64		X										
PCHWP-C-P1-1	PUMP	PRIMARY CHILLED WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
PCHWP-C-P1-2	PUMP	PRIMARY CHILLED WATER	1	480	3	10.00					1/2"	3 #12 & 1#12G	14.0	11.64		X										
CHWP-C-P1-1	PUMP	PRIMARY HOT WATER	1	480	3	10					1/2"	3 #12 & 1#12G	14.0	11.64		X										
CHWP-C-P1-2	PUMP	PRIMARY HOT WATER	1	480	3	10					1/2"	3 #12 & 1#12G	14.0	11.64		X										
HWP-C-P1-1	PUMP	SECONDARY CHILLED WATER	1	480	3	20					1"	3 #8 & 1#10G	27.0	22.45		X										
HWP-C-P1-2	PUMP	SECONDARY CHILLED WATER	1	480	3	20					1"	3 #8 & 1#10G	27.0	22.45		X										
HWP-C-P1-3	PUMP	SECONDARY HOT WATER	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
HWP-C-P1-4	PUMP	SECONDARY HOT WATER	1	480	3	15					3/4"	3 #10 & 1#10G	21.0	17.46		X										
BP-C-P1-1	PUMP	BOILER 1	1	480	3	5					1/2"	3 #12 & 1#12G	7.6	6.32		X										
BP-C-P1-2	PUMP	BOILER 2	1	480	3	5					1/2"	3 #12 & 1#12G	7.6	6.32		X										
BP-C-P1-3	PUMP	BOILER 3	1	480	3	5					1/2"	3 #12 & 1#12G	7.6	6.32		X										
B-A-P2-1	HOT WATER BOILER	TOWER A LEVEL P2	1	120	1			7.0	9.0		1/2"	2 #12 & 1#12G	7.0	0.84		X										
B-A-P2-2	HOT WATER BOILER	TOWER A LEVEL P2	1	120	1			7.0	9.0		1/2"	2 #12 & 1#12G	7.0	0.84		X										
B-A-P2-3	HOT WATER BOILER	TOWER A LEVEL P2	1	120	1			7.0	9.0		1/2"	2 #12 & 1#12G	7.0	0.84		X										
B-B-P1-1	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			6.0	8.00		1/2"	2 #12 & 1#12G	6.0	0.72		X										
B-B-P1-2	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			6.0	8.00		1/2"	2 #12 & 1#12G	6.0	0.72		X										
B-B-P1-3	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			6.0	8.00		1/2"	2 #12 & 1#12G	6.0	0.72		X										
B-B-P1-4	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-B-P1-5	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-B-P1-6	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-B-P1-7	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-B-P1-8	HOT WATER BOILER	TOWER B LEVEL P1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-B-P1-9	HOT WATER BOILER	TOWER B LEVEL P2	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-C-1-1	HOT WATER BOILER	TOWER C LEVEL 1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-C-1-2	HOT WATER BOILER	TOWER C LEVEL 1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
B-C-1-3	HOT WATER BOILER	TOWER C LEVEL 1	1	120	1			13.0	16.0		1/2"	2 #12 & 1#12G	13.0	1.56		X										
FPT-A-B1-1	FAN POWERED TERMINAL WITH HOT WATER COIL	GAME LOUNGE	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-B1-2	FAN POWERED TERMINAL WITH HOT WATER COIL	MAINTENANCE SHOP	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-B1-3	FAN POWERED TERMINAL WITH HOT WATER COIL	BOWLING LOUNGE	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-B1-4	FAN POWERED TERMINAL WITH HOT WATER COIL	BOWLING LANE	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-B1-5	FAN POWERED TERMINAL WITH HOT WATER COIL	EMPLOYEE BREAK	1	277	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.61		X										
FPT-A-1-1	FAN POWERED TERMINAL WITH HOT WATER COIL	SPA LOUNGE	1	277	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.61		X										
FPT-A-1-2	FAN POWERED TERMINAL WITH HOT WATER COIL	TREATMENT SINGLE	1	277	1			1.3			1/2"	2 #12 & 1#12G	1.3	0.36		X										
FPT-A-1-3	FAN POWERED TERMINAL WITH HOT WATER COIL	LOCKER ROOM A123	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-1-4	FAN POWERED TERMINAL WITH HOT WATER COIL	LOCKER ROOM A122	1	277	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.61		X										
FPT-A-1-5	FAN POWERED TERMINAL WITH HOT WATER COIL	PRIVATE DINING	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-1-6	FAN POWERED TERMINAL WITH HOT WATER COIL	FITNESS	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-1-7	FAN POWERED TERMINAL WITH HOT WATER COIL	STRENGTH TRAINING	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-A-1-8	FAN POWERED TERMINAL WITH HOT WATER COIL	YOGA	1	277	1			4.4			1/2"	2 #12 & 1#12G	4.4	1.22		X										
FPT-A-1-9	FAN POWERED TERMINAL WITH HOT WATER COIL	TREATMENT DOUBLE	1	277	1			1.3			1/2"	2 #12 & 1#12G	1.3	0.36		X										
FPT-A-1-K-1	FAN POWERED TERMINAL WITH HOT WATER COIL	FUTURE KITCHEN	1	277	1						#N/A	#N/A	0.0	0.00		X										
FPT-A-1-K-2	FAN POWERED TERMINAL WITH HOT WATER COIL	FUTURE KITCHEN	1	277	1						#N/A	#N/A	0.0	0.00		X										
FPT-A-1-K-3	FAN POWERED TERMINAL WITH HOT WATER COIL	FUTURE KITCHEN	1	277	1						#N/A	#N/A	0.0	0.00		X										
FPT-A-1-K-4	FAN POWERED TERMINAL WITH HOT WATER COIL	FUTURE KITCHEN	1	277	1						#N/A	#N/A	0.0	0.00		X										
FPT-A-1-K-5	FAN POWERED TERMINAL WITH HOT WATER COIL	FUTURE KITCHEN	1	277	1						#N/A	#N/A	0.0	0.00		X										
FPT-B-1-1	FAN POWERED TERMINAL WITH HOT WATER COIL	GUEST BUSINESS CENTER	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-B-1-2	FAN POWERED TERMINAL WITH HOT WATER COIL	GUEST OFFICE	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-B-1-3	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI LOUNGE KITCHEN	1	277	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.61		X										
FPT-B-1-4	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI LOUNGE B108 W	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-B-1-5	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI LOUNGE B108 NW	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-B-1-6	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI LOUNGE B108 B107	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-B-1-7	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI LOUNGE B108	1	277	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.61		X										
FPT-B-1-8	FAN POWERED TERMINAL WITH HOT WATER COIL	KIDS ROOM	1	277	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.61		X										
FPT-B-1-9	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI VALET BOH	1	277	1			2.2			1/2"	2 #12 & 1#12G	2.2	0.61		X										
FPT-B-1-10	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI VALET	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-B-1-11	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI LOCKERS	1	277	1			1.3			1/2"	2 #12 & 1#12G	1.3	0.36		X										
FPT-B-1-12	FAN POWERED TERMINAL WITH HOT WATER COIL	SKI LOUNGE B107 E	1	277	1			5.3			1/2"	2 #12 & 1#12G	5.3	1.47		X										
FPT-C-1-1A	FAN POWERED TERMINAL WITH HOT WATER COIL	ENTRY LOBBY	1	277	1				6.60		1/2"	2 #12 & 1#12G	6.6	1.83		X										
FPT-C-1-1A	FAN POWERED TERMINAL WITH HOT WATER COIL	ENTRY LOBBY	1	277	1				6.60		1/2"	2 #12 & 1#12G	6.6	1.83		X										
FPT-C-1-2	FAN POWERED TERMINAL WITH HOT WATER COIL	SKIER LOUNGE	1	277	1				2.80		1/2"	2 #12 & 1#12G	2.8	0.78		X										
FPT-C-1-3	FAN POWERED TERMINAL WITH HOT WATER COIL	LOUNGE	1	277	1				6.60		1/2"	2 #12 & 1#12G	6.6	1.83		X										
FPT-C-1-4	FAN POWERED TERMINAL WITH HOT WATER COIL	GOLF SIMULATOR	1	277	1				1.60		1/2"	2 #12 & 1#12G	1.6	0.44		X										
FPT-C-1-5	FAN POWERED TERMINAL WITH HOT WATER COIL	GOLF SIMULATOR	1	277	1				2.80		1/2"	2 #12 & 1#12G	2.8	0.78		X										
FPT-C-1-6	FAN POWERED TERMINAL WITH HOT WATER COIL	LOUNGE INTERIOR	1	277	1				2.80		1/2"	2 #12 & 1#12G	2.8	0.78		X										
FPT-C-1-7	FAN POWERED TERMINAL WITH HOT WATER COIL	HOUSEKEEPING	1	277	1				2.80		1/2"	2 #12 & 1#12G	2.8	0.78		X										
UH-A-P2-1	UNIT HEATER - GAS	TOWER A GARAGE	1	480	3			14.1			1/2"	3 #12 & 1#12G	14.1	11.72		X										
UH-B-P1-1	UNIT HEATER - GAS	TOWER B GARAGE	1	480	3			10.2			1/2"	3 #12 & 1#12G	10.2	8.48		X										
UH-C-P1-1	UNIT HEATER - GAS	TOWER C GARAGE	1	480	3			10.2			1/2"	3 #12 & 1#12G	10.2	8.48		X										
UH-C-P1-2	UNIT HEATER - GAS	TOWER C GARAGE	1	120	1			6.4			1/2"	2 #12 & 1#12G	6.4	0.77		X										
UH-A	UNIT HEATER - ELECTRIC	STAIR	1	120	1		1.00				1/2"	2 #12 & 1#12G	8.3	1.00		X										
SE-1	SEWAGE EJECTOR PUMPS		1	208	1	2.00					1/2"	2 #12 & 1#12G	13.2	2.75		X										
SE-2	SEWAGE EJECTOR PUMPS		1	208	1	2.00					1/2"	2 #12 & 1#12G	13.2	2.75		X										

NOTES:

COORDINATE WITH OTHER TRADES SUBMITTAL PACKAGE AND FILL THE PART-B OF THE SCHEDULE BASED ON THE MANUFACTURERS DATA.THE SCHEDULES SHALL BE SUBMITTED ALONG WITH THE PANEL BOARDS, DISCONNECTS AND FUSE SUBMITTAL PACKAGE. CONFIRM THE OVER CURRENT PROTECTION, WIRE AND CONDUIT SIZE SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS ELECTRICAL REQUIREMENT. THE ELECTRICAL SUBMITTALS WILL NOT BE APPROVED WITHOUT THE FILLED PART-B SCHEDULE.

Reserved for permit stamp

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job no.
date 07/15/2022

revisions:

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ELECTRICAL CONNECTION SCHEDULE UNITS

E7.03AB