ELECTRICAL SYMBOL LIST

LIGHTING SYMBOLS

- LIGHT FIXTURE, RECESSED
- LIGHT FIXTURE, RECESSED – EMERGENCY
- LIGHT FIXTURE, SURFACE MOUNT
- LIGHT FIXTURE, SURFACE MOUNT – EMERGENCY
- LIGHT FIXTURE, STRIP
- LIGHT FIXTURE, STRIP – EMERGENCY
- DOWNLIGHT FIXTURE, RECESSED
- DOWNLIGHT FIXTURE, RECESSED, WALLWASH
- DOWNLIGHT FIXTURE, RECESSED – EMERGENCY
- LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, CEILING MOUNT
- RECESSED LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, WALL SCONCE
- LIGHT FIXTURE, COVE – RECESSED
- LIGHT FIXTURE, COVE – SURFACE
- LIGHT FIXTURE, UNDER CABINET/SHELF
- EXIT SIGN, UNIVERSAL MOUNT, W/ DIRECTIONAL ARROW
- EXIT SIGN, WALL MOUNT, +8'–0" A.F.F.
- EMERGENCY LIGHT W/ BATTERY PACK, +8'–0" A.F.F.
- FLOOD LIGHT
- AREA LUMINAIRE, POST TOP
- AREA LUMINAIRE, BOLLARD
- AREA LUMINAIRE, WALL MOUNT
- AREA LUMINAIRE, POLE MOUNT

SWITCH SYMBOLS

- $ SWITCH, SPST +48" A.F.F.
- $2 SWITCH, DPST +48" A.F.F.
- $3 SWITCH, 3–WAY +48" A.F.F.
- $4 SWITCH, 4–WAY +48" A.F.F.
- $M SWITCH, MOMENTARY +48" A.F.F.
- $D SWITCH, DIMMER +48" A.F.F.
- $P SWITCH, SPST, W/PILOT LIGHT +48" A.F.F.
- $3P SWITCH, 3–WAY, W/PILOT LIGHT +48" A.F.F.
- $K SWITCH, KEY–OPERATED +48" A.F.F.
- $T SWITCH, TIMED +48" A.F.F.
- $ EXISTING SWITCH, SPST
- PC PHOTOCELL CONTROL
- OS OCCUPANCY SENSOR CONTROL

WIRING SYMBOLS

- 2A–9 PANEL & CIRCUIT NUMBER
- #10 HOMERUN TO PANEL
- CONDUCTOR SIZE (IF OTHER THAN #12)
- PHASE CONDUCTOR
- NEUTRAL CONDUCTOR
- GROUND CONDUCTOR
- CONCEALED CONDUIT
- 1–1/4"C CONDUIT SIZE
- CONDUIT (UNDER SLAB OR FLOOR)
- FLEXIBLE CONNECTION
- CONDUIT, STUBBED & CAPPED
- NORMAL POWER CIRCUIT LINETYPE
- EMERGENCY POWER CIRCUIT LINETYPE
- EXISTING POWER CIRCUIT LINETYPE

FIRE RATED INSTALLATION NOTE:

ELECTRICAL ITEMS (LIGHT FIXTURES, BOXES, ETC.) WHICH ARE RECESSED INTO FIRE–RATED CEILINGS OR WALLS, SHALL BE 'ALCOVED' IN GYPSUM BOARD ENCLOSURES PER ARCHITECTURAL DETAILS, OR THE DEVICES SHALL BE 'UL' LISTED WITH FIRE–RATING EQUAL TO OR GREATER THAN THE FIRE–RATING OF THE ADJACENT CONSTRUCTION.

1. SYMBOLS & ABBREVIATIONS MAY OR MAY NOT APPLY TO PROJECT
2. REFER TO LOW VOLTAGE DRAWINGS FOR ASSOCIATED SYMBOLS

POWER SYMBOLS

- RECEPTACLE, SINGLE +18" A.F.F.
- RECEPTACLE, DUPLEX +18" A.F.F.
- RECEPTACLE, QUAD +18" A.F.F.
- RECEPTACLE, DUPLEX +6" ABV COUNTER
- RECEPTACLE, DUPLEX +18" A.F.F. (ONE OUTLET SWITCHED)
- RECEPTACLE, DUPLEX +18" A.F.F. (BOTH OUTLETS SWITCHED)
- RECEPTACLE, DUPLEX, PEDESTAL MOUNT
- RECEPTACLE, DUPLEX, FLUSH FLOOR MOUNT
- OR RECEPTACLE, SPECIAL (COORDINATE WITH EQUIPMENT SERVED)
- RELAY
- TIME CLOCK CONTROL
- PUSHBUTTON STATION
- JUNCTION BOX
- JUNCTION BOX, EMERGENCY CIRCUIT
- THERMOSTAT
- TRANSFORMER
- DISCONNECT, NON–FUSED
- DISCONNECT, FUSED
- ELECTRICAL CONNECTION
- ELECTRICAL CONNECTION, SINGLE MOTOR
- ELECTRICAL CONNECTION, MULTI–MOTOR
- ELECTRICAL DISTRIBUTION PANEL, RECESSED
- ELECTRICAL DISTRIBUTION PANEL, SURFACE
- MISCELLANEOUS PANEL, RECESSED
- MISCELLANEOUS PANEL, SURFACE
- FLUSH FLOOR BOX (W/ DEVICES AS SHOWN ON PLAN)
- FIRE SMOKE DAMPER

ONE–LINE DIAGRAM SYMBOLS

- PANEL 'A' — ELECTRICAL DISTRIBUTION PANELBOARD (MLO)
- PANEL 'A' 40 — ELECTRICAL DISTRIBUTION PANELBOARD (MCB); SUB–FEED CIRCUIT BREAKER
- 200/3 — CIRCUIT BREAKER (TRIP RATING & POLES AS INDICATED ON PLAN)
- 200A 3P; 200A 100K1 — MAIN SWITCH (RATING & POLES AS INDICATED ON PLAN); FUSE (RATING & CLASS AS INDICATED ON PLAN)
- NORM; EMERG; 200/3 — TRANSFER SWITCH (MANUAL OR AUTOMATIC)
- GEN — GENERATOR (RATING AS INDICATED ON PLAN)
- TRANSFORMER (RATING AS INDICATED ON PLAN)
- 200A 100K1 — FUSE (RATING & CLASS AS INDICATED ON PLAN)
- GROUND — GROUND SYSTEM (SIZE AS INDICATED ON PLAN)
- WATER PIPE GROUND ELECTRODE
- TRANSIENT VOLTAGE SURGE SUPPRESSOR
- M — UTILITY METER & METER BASE
- C.T. — UTILITY METER CURRENT TRANSFORMER
- 1 — FEEDER NO. (SEE FEEDER SCHEDULE)
- 480/120V — POTENTIAL TRANSFORMER (RATING AS INDICATED ON PLANS)

ABBREVIATIONS

'A'	LIGHT FIXTURE TYPE (SEE FIXTURE LIST)
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINAL GRADE
A.F.I.	ARC FAULT INTERRUPTER
A.T.S.	TRANSFER SWITCH, AUTOMATIC
C	CONDUIT
C.O.	CONDUIT ONLY
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
C.T.	CURRENT TRANSFORMER
(E)	EXISTING
E.L.	EMERGENCY LIGHT
E.L.C.	EXTERIOR LIGHTING CONTROL
FACP	FIRE ALARM CONTROL PANEL
G.F.I.	GROUND FAULT INTERRUPTER
GND	GROUND
H.I.D.	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
I.G.	ISOLATED GROUND
I R	INFRARED
JB	JUNCTION BOX
LCP	LIGHTING CONTROL PANEL
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
M.T.S.	TRANSFER SWITCH, MANUAL
(N)	NEW
N.I.C.	NOT IN CONTRACT
N.L.	NIGHT LIGHT
OL	OVERLOAD
O.L.C.	OFFICE LIGHTING CONTROL
P	POLE
P.A.	PUBLIC ADDRESS
PC	PARTIAL CIRCUIT
PH	PHASE
PRI	PRIMARY
R.T.U.	REMOTE TELEMETRY UNIT
SEC	SECONDARY
SCCR	SHORT CIRCUIT CURRENT RATING
T.V.S.S.	TRANSIENT VOLTAGE SURGE SUPPRESSOR
U.G.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
W.G.	WIRE GUARD
W.P.	WEATHERPROOF
W.T.	WATERTIGHT
X.P.	EXPLOSION PROOF

NOTATIONS

- 1 — DRAWING NOTE
- 2 / E3 — DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
- EF 2 — MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
- A — EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
- AA — EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
- AAA — EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
- 'A' 2–32 — FIXTURE REFERENCE: TOP=TYPE, BOTTOM=LAMP QTY & WATTS

GENERAL CONSTRUCTION NOTES:

CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY REVIEWING THE PLANS AND SPECIFICATION DOCUMENTS PRIOR TO THE START OF ANY WORK. ANY DISCREPANCIES IN THE PROJECT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY AND PRIOR TO THE START OF ANY WORK.

ALL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED AS IS STANDARD BUILDING PRACTICE.

ALL ELECTRICAL PLANS ARE DIAGRAMMATICAL AND THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES AND FIXTURES.

THE ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTATION AND COORDINATE WITH ALL OTHER TRADES THROUGHOUT THE COURSE OF THE PROJECT.

ALL WORK SHALL BE IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES. CONTRACTOR SHALL BE RESPONSIBLE TO BE INFORMED OF ALL SUCH CODES AS THEY APPLY TO THE SCOPE OF THE PROJECT.

GENERAL NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE & NATIONAL CODES.

C. CONTRACTOR SHALL REVIEW THE DIVISION 26 SPECIFICATIONS AND THE ENTIRE DRAWING PACKAGE FOR THIS PROJECT PRIOR TO THE START OF ANY WORK.

D. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH ALL OTHER TRADES AND PROVIDE THE APPROPRIATE POWER CONNECTION(S) AND COORDINATE EXACT LOCATIONS PRIOR TO ROUGH IN.

E. THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT OF ANY DISCREPANCIES DISCOVERED WITHIN THE DOCUMENTS.

F. ALL PRODUCT SUBMITTALS AND SUBSTITUTIONS SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACING ANY ORDERS.

G. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

H. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

I. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR EXACT LOCATION(S) AND ELEVATIONS FOR FIXTURES & DEVICES.

J. ELECTRICAL PANELS LOCATED IN PUBLIC OR UNSECURED SPACES SHALL BE PROVIDED WITH A LOCKABLE DOOR PANEL.

K. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON INDUSTRY STANDARD PRODUCTS. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT WILL FIT THE SPACE AND MAINTAIN REQUIRED WORKING CLEARANCES.

L. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT AND CONDUCTORS REQUIREMENTS.

M. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE UTILITY PROVIDER'S ELECTRICAL SERVICE REQUIREMENTS.

N. THERE SHALL BE NO SURFACE MOUNTED DEVICES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

O. ELECTRICAL CONTRACTOR SHALL CONSULT ARCHITECTURAL AND INTERIOR DECORATOR'S PLAN DOCUMENTS SUCH AS INTERIOR ELEVATIONS, REFLECTED CEILING PLANS, ETC., FOR FIXTURE AND DEVICE DIMENSIONS NOT OTHERWISE NOTED ON THE ELECTRICAL PLANS.

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PROJECT # 2017-053
DATE: 11/19/2021

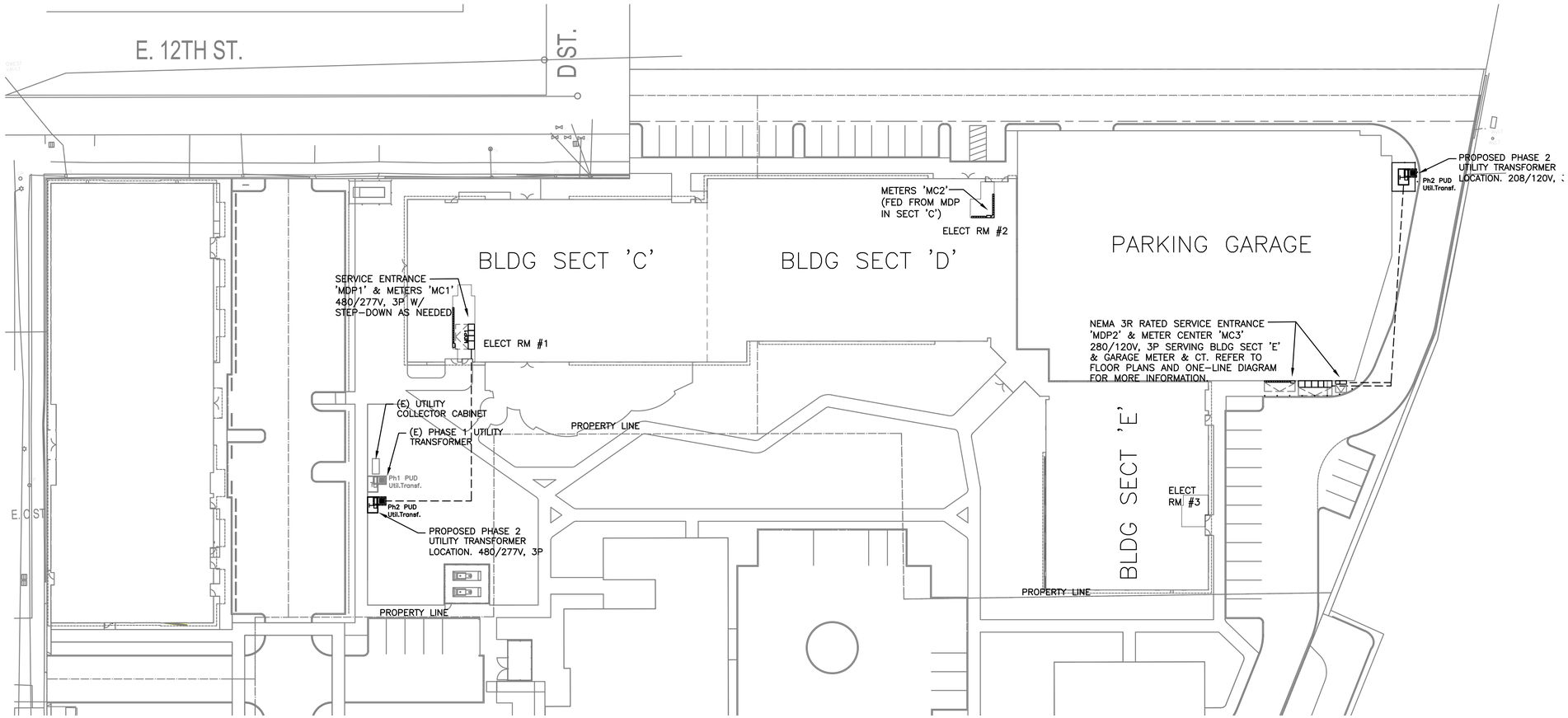
REVISIONS

AEGIS - PHASE II MIXED-USE DEVELOPMENT

312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:

E1.00



1 E1.01 PHASE II SITE POWER PLAN
SCALE: 1' = 30'-0

GENERAL NOTES:

A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATION CODES.

B. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

C. ELECTRICAL SERVICE ENTRANCE EQUIPMENT DESIGN IS BASED ON SIEMENS PRODUCTS. ACTUAL PRODUCTS INSTALLED MAY DIFFER IN SIZE AND CONFIGURATION AND SHALL BE DOCUMENTED IN FINAL PROJECT DOCUMENTS.

D. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT AND CONDUCTORS REQUIREMENTS.

E. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH CLARK PUBLIC UTILITIES ELECTRICAL SERVICE REQUIREMENTS.

F. U.G. PRIMARY FEEDER SHALL HAVE A MINIMUM 48 INCH BURY.

G. U.G. SECONDARY FEEDER SHALL HAVE A MINIMUM 36 INCH BURY.

H. REFER TO SHEETS E1.11 & E1.14 FOR ONE-LINE DIAGRAM, LOAD SUMMARY INFORMATION AND TYPICAL FEEDER SCHEDULE.

I. SECONDARY CONDUIT SWEEPS SHALL BE MINIMUM 60 INCH RADIUS WITH A MINIMUM OF 7'-0" STRAIGHT CONDUIT RUN BETWEEN SWEEPS.

J. CONTRACTOR SHALL REVIEW CLARK PUBLIC UTILITIES ELECTRICAL SERVICE REQUIREMENTS PRIOR TO THE START OF ANY WORK.

K. LOCATION AND INSTALLATION OF THE PRIMARY AND SECONDARY CONDUITS, TRANSFORMER, ETC. SHALL BE PROVIDED PER CLARK PUBLIC UTILITES ELECTRICAL SERVICE REQUIREMENTS.

L. CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND SPECIFICATIONS IN DETAIL AND REFER TO THE DOCUMENTS THROUGHOUT THE CONSTRUCTION.

KEYED POWER NOTES:

1. ROUTE (3) 3/4" PVC CONDUIT W/PULL STRING FROM BUILDING 'B' ELECTRICAL ROOM #198 TO PARKING LOT LOCATION FOR FUTURE EV CHARGING STATION. STUB-UP FLUSH WITH FINISHED GRADE AND CAP AT BOTH ENDS. RESERVE (4) 40A, 208V, 1P CIRCUITS IN PANEL 'M1' FOR FUTURE ELECTRICAL CONNECTION.

2. ROUTE ONE 3/4" PVC CONDUIT W/PULL STRING FROM BUILDING 'A' ELECTRICAL ROOM #292 TO PARKING LOT LOCATION FOR FUTURE EV CHARGING STATION. STUB-UP FLUSH WITH FINISHED GRADE AND CAP AT BOTH ENDS. RESERVE ONE 40A, 208V, 1P CIRCUITS IN PANEL 'M1' FOR FUTURE ELECTRICAL CONNECTION.

3. PROVIDE (2) 3/4" PVC CONDUIT W/PULL STRING, ROUTED UNDERGROUND FROM MAINTENANCE ROOM #192A TO BUILDING EXTERIOR FOR FUTURE CCTV CONNECTIONS AND CAP AT BOTH ENDS.

4. PROVIDE (1) 3/4" PVC CONDUIT W/PULL STRING, FOR DATA CABLE TO EACH FUTURE EV CHARGING STATION, ROUTED UNDERGROUND FROM ELECTRICAL ROOM #193A OR #198B TO EACH LOCATION. STUB-UP FLUSH WITH FINISHED GRADE AND CAP AT BOTH ENDS.

UTILITY REQUIREMENTS

1. CUSTOMER TO PROVIDE ALL TRENCHING AND BACKFILLING. TRENCH TO BE 36 INCHES DEEP AND 30 INCHES WIDE, MEASURED FROM FINAL GRADE.

2. ALL UTILITY CONDUCTORS TO BE INSTALLED IN GRAY SCHEDULE 40, ELECTRICAL GRADE, PVC CONDUIT WITH NYLON PULL STRINGS (MIN 500 LBS. TEST). CLARK PUBLIC UTILITIES TO DETERMINE THE SIZE AND NUMBER OF CONDUITS REQUIRED. ALL ELBOWS TO BE 36 INCH (MIN) RADIUS. ALL BENDS MAY BE FACTORY MADE. IF MORE THAN 270 DEGREES OF BENDS OR IF RUN IS LONGER THAN 150 FEET, BENDS MUST BE RIGID STEEL.

3. CONSULT WITH UTILITY REPRESENTATIVE 2 WEEKS BEFORE STARTING MAIN POWER TRENCHING FOR A PRE-CONSTRUCTION CONFERENCE. INCLUDED IN THIS CONFERENCE WILL BE EXCAVATOR, CPU, TELCO, CATV, AND GAS.

4. CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING.

INCOMING ELECTRICAL SERVICE
DIVISION OF RESPONSIBILITY

	ELEC. CONTR.	UTILITY CO.		ELEC. CONTR.	UTILITY CO.
PRIMARY CONDUIT	[X]	☐	SECONDARY CONDUIT	[X]	☐
PRIMARY CONDUCTORS	[X]	☐	SECONDARY CONDUCTORS	[X]	☐
TRANSFORMER	[X]	☐	C/T ENCLOSURE	[X]	☐
TRANSFORMER PAD	[X]	☐	C/T's	☐	[X]
PRIMARY GROUNDING	[X]	☐	METER BASE	[X]	☐
BOLLARDS	[X]	☐	METER	☐	[X]
TRANSFORMER CONNECTIONS	[X]	☐	METER GROUNDING	[X]	☐
ELECTRIC ROOM DOOR LOCK BOX (OBTAIN FROM POWER COMPANY)	[X]	☐			

NOTES:
1. CONTACT AND COORDINATE ALL REQUIREMENTS AND RESPONSIBILITIES WITH SERVING UTILITY COMPANIES PRIOR TO SUBMITTING BID.
2. ALL SERVICE INSTALLATION WORK SHALL BE IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE SERVING UTILITIES.

POWER UTILITY CONTACT:	TELEPHONE UTILITY CONTACT:	CABLE T.V. UTILITY CONTACT:
CHARLIE BEATTY CLARK PUBLIC UTILITIES OFFICE: (360) 992-8721 CELL: (360) 253-2261 EMAIL: CBEATTY@CLARKPUD.COM	MANDY STUBBLEFIELD CENTURYLINK PHONE: MANDY.STUBBLE EMAIL: FIELD@CENTURYLINK.COM	BOB MILLAR COMCAST PHONE: (360) 316-1128 EMAIL: BOB_MILLAR@COMCAST.COM

INTERFACE ENGINEERING, INC. HAS CONTACTED THE UTILITIES BUT HAS NOT RECEIVED IN WRITING THE FINAL REQUIREMENTS FROM CLARK PUBLIC UTILITIES, CENTURYLINK, COMCAST. THESE DRAWINGS INDICATE OUR BEST ESTIMATION OF THEIR REQUIREMENTS. PRIOR TO BID AND PRIOR TO ANY CONSTRUCTION CONTACT THE UTILITIES AND OBTAIN IN WRITING THEIR REQUIREMENTS.

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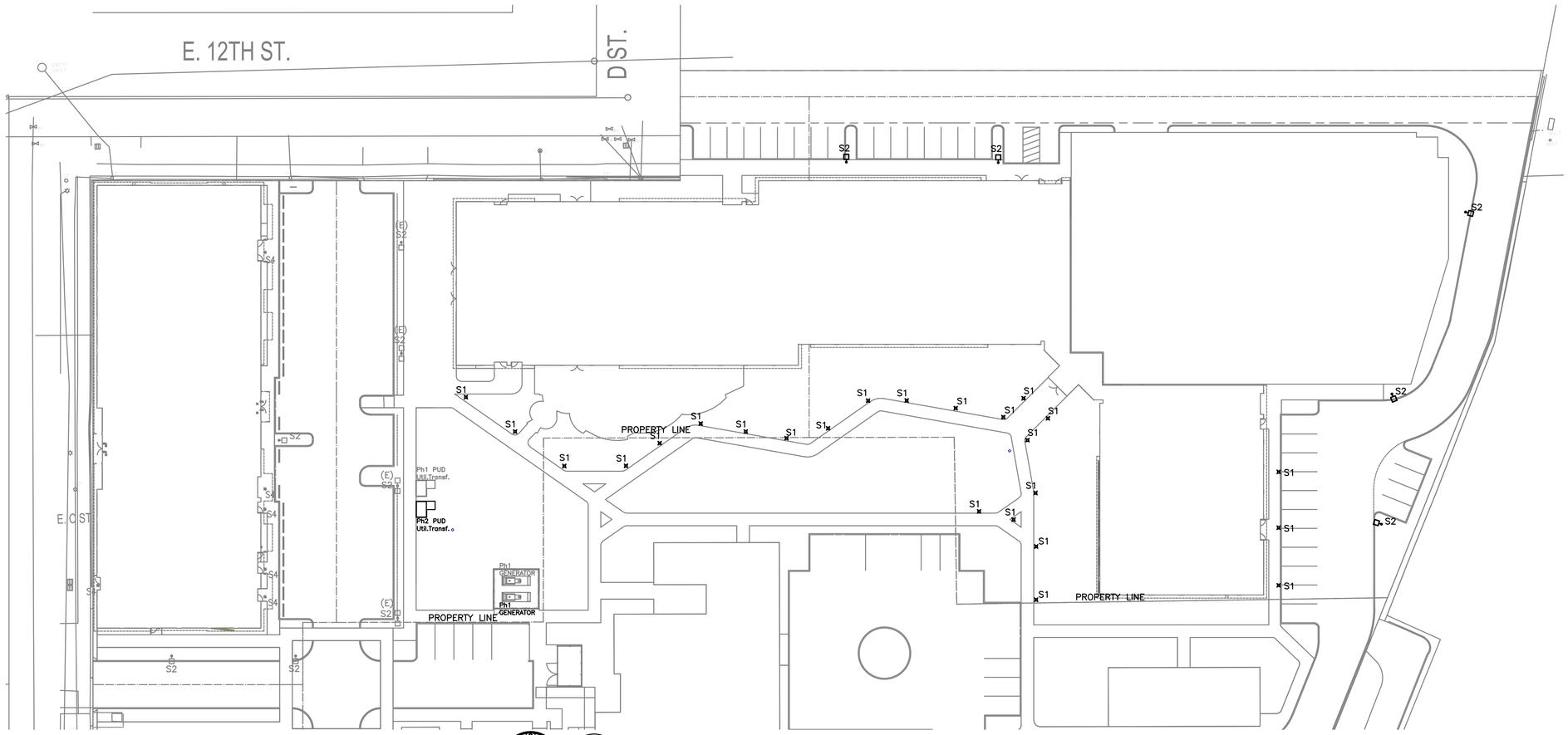
PROJECT # 2017-053
DATE: 11/19/2021

REVISIONS

AEGIS - PHASE II
MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:
E1.01



1 / E1.02 PHASE II SITE LIGHTING PLAN
SCALE: 1" = 30'-0

GENERAL SITE LIGHTING NOTES:

A. ALL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATION CODES.

B. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

C. REFER TO SHEETS E1.11 & E1.14 FOR ONE-LINE DIAGRAM, LOAD SUMMARY INFORMATION AND TYPICAL FEEDER SCHEDULE.

D. REFER TO SHEETS E2.01A & E2.01B FOR EXTERIOR BUILDING LIGHTS.

E. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

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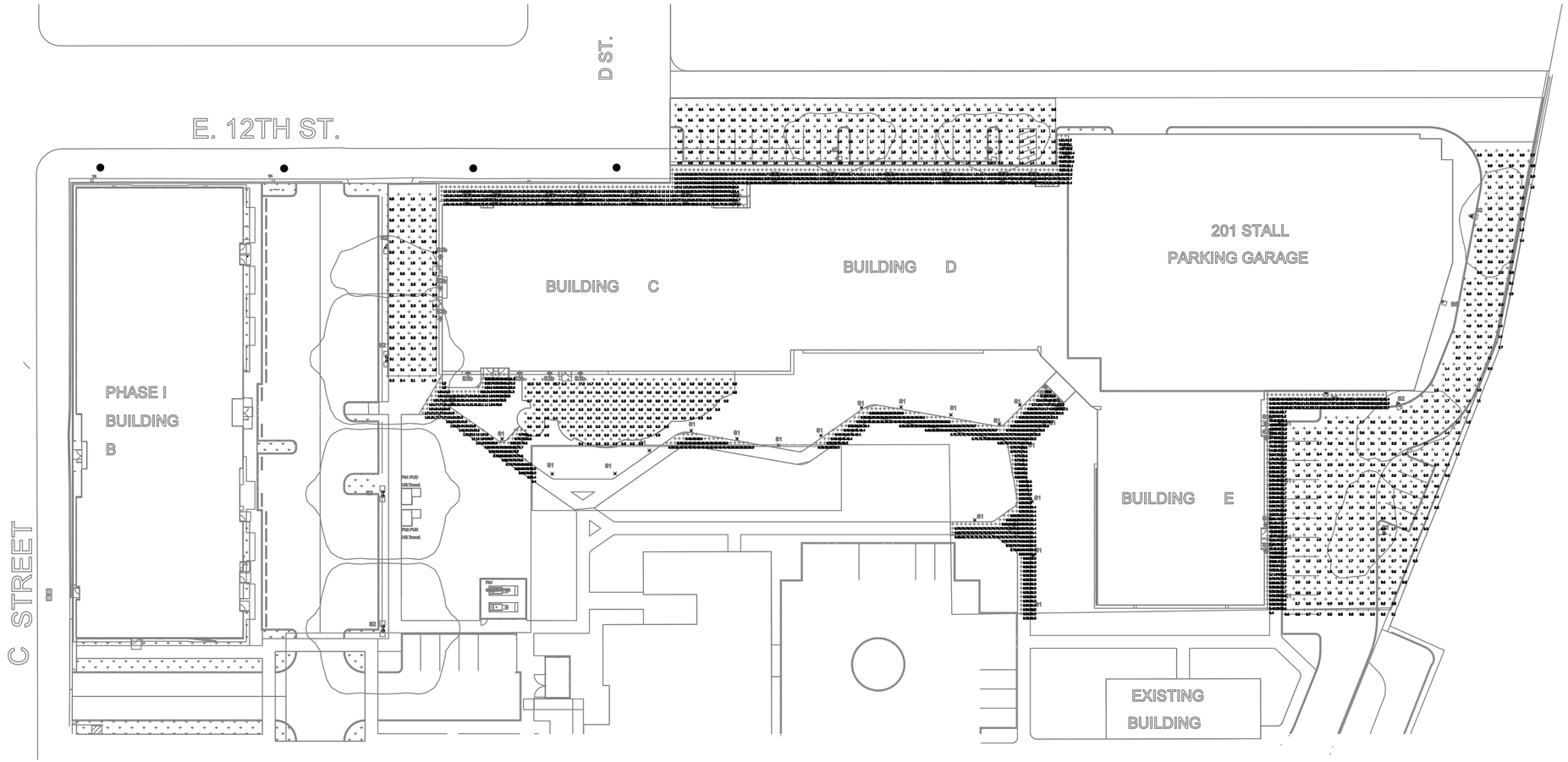
SHEET:
E1.02



1 E1.03 PHASE II SITE LIGHTING PHOTOMETRIC STUDY
N.T.S.

Schedule							
Symbol	Label	Manufacturer	Catalog Number	Description	Lumens Per Lamp	Light Loss Factor	Wattage
	S1	LIGMAN	PRA-10002-T3-W30	Prague Bollard	567	1	10.2
	S2	Lithonia Lighting	DSX0 LED P2 30K T3M MVOLT	DSX0 LED P2 30K T3M MVOLT	5416	1	98
	S5	SIGNIFY GARDCO	PWS-48L-300-NW-0	Buseform LDGN Sconce (PWS), 48 LED's, 4000K CCT, TYPE 3 OPTIC,	4629	1	46.8
	S3b	WAC LIGHTING	DS-CD05-N35-WT	Surface-mounted Luminaires	2328	1	24.3263

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Bldg C & D Walks	+	6.2 fc	61.5 fc	0.4 fc	153.8:1	15.5:1
Bldg C Plaza	+	1.0 fc	22.7 fc	0.1 fc	227.0:1	10.0:1
Bldg E Walks	+	5.8 fc	67.2 fc	0.3 fc	224.0:1	19.3:1
Courtyard Path	+	1.2 fc	57.1 fc	0.2 fc	285.5:1	6.0:1
D Street Parking	+	1.2 fc	2.3 fc	0.4 fc	5.8:1	3.0:1
Private Drive & E. Prkg	+	1.7 fc	5.4 fc	0.1 fc	54.0:1	17.0:1
West Plaza	+	2.3 fc	9.9 fc	0.4 fc	24.8:1	5.8:1

NOTES:

1. Photometric studies are for reference only and shall not be used for construction purposes. Refer to the electrical site plan sheet, E1.01 for additional information.

2. Photometric data is based on manufacturer provided IES files. Illuminance calculations are approximate and may differ from actual field measurements.

3. Refer to Light Fixture Schedule on sheet E1.21 for fixture and pole heights.

4. Data does not factor in existing light fixtures on adjacent properties.

5. For the purposes of this study, areas with "0.0" lumen levels have been masked to provide the statistics shown in the table.

6. Building mounted light fixtures are for reference and mounting heights are approximate.

7. Any street lighting shown in this study is for reference only, to demonstrate their contribution to the site lighting levels.

PRELIMINARY DESIGN
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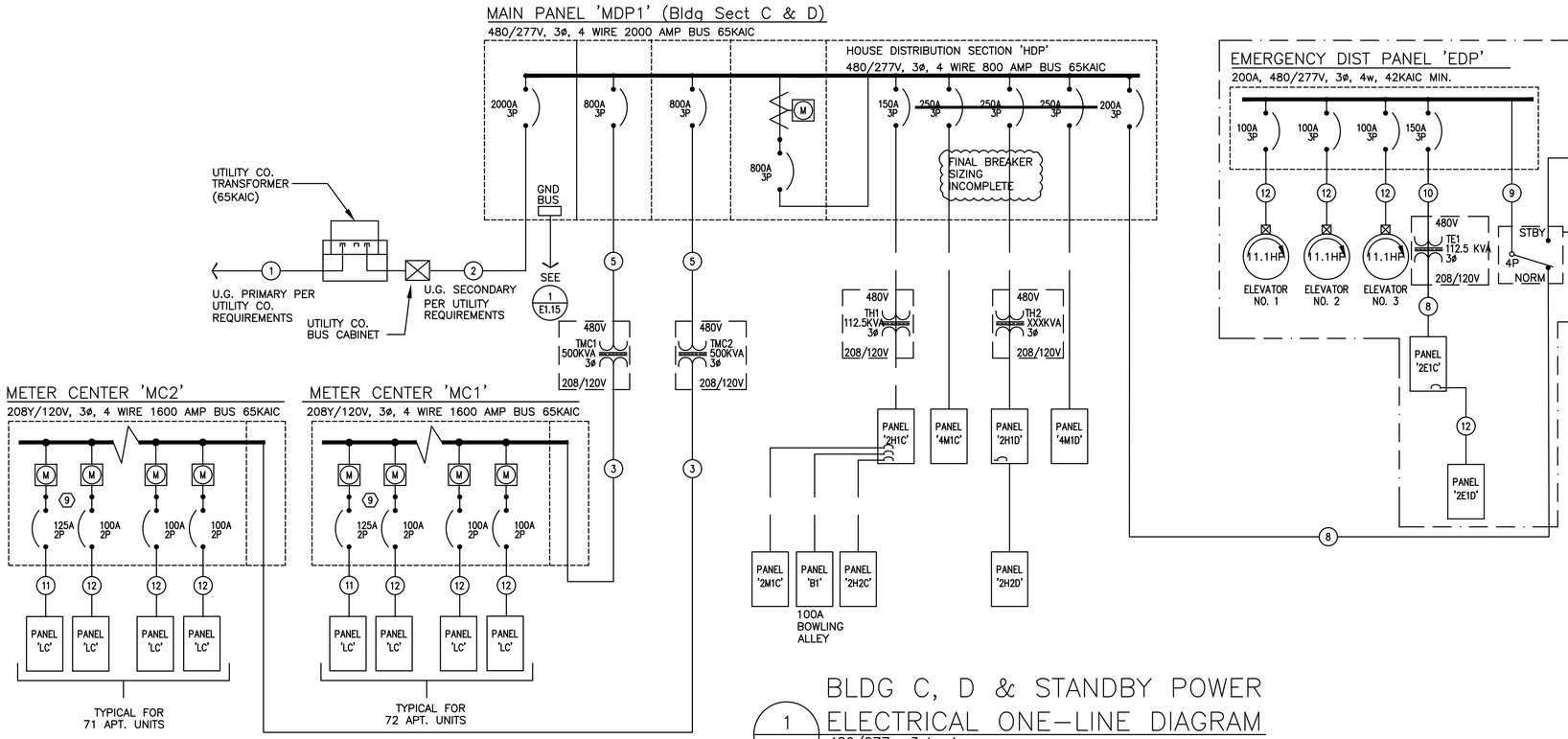
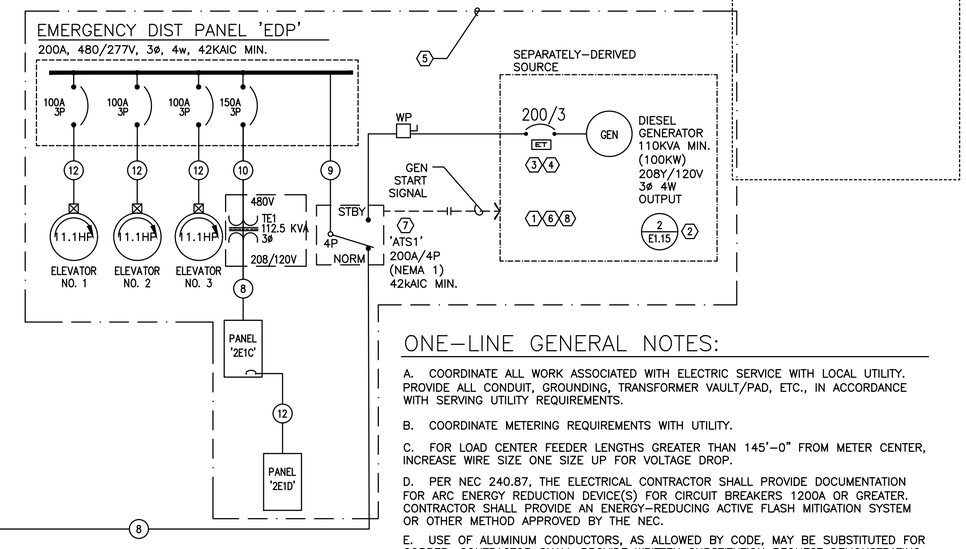
SHEET:
E1.03



1 / E1.11 BLDG C, D & STANDBY POWER ELECTRICAL ONE-LINE DIAGRAM
480/277v, 3ph, 4w



ONE-LINE GENERAL NOTES:

A. COORDINATE ALL WORK ASSOCIATED WITH ELECTRIC SERVICE WITH LOCAL UTILITY. PROVIDE ALL CONDUIT, GROUNDING, TRANSFORMER VAULT/PAD, ETC., IN ACCORDANCE WITH SERVING UTILITY REQUIREMENTS.

B. COORDINATE METERING REQUIREMENTS WITH UTILITY.

C. FOR LOAD CENTER FEEDER LENGTHS GREATER THAN 145'-0" FROM METER CENTER, INCREASE WIRE SIZE ONE SIZE UP FOR VOLTAGE DROP.

D. PER NEC 240.87, THE ELECTRICAL CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR ARC ENERGY REDUCTION DEVICE(S) FOR CIRCUIT BREAKERS 1200A OR GREATER. CONTRACTOR SHALL PROVIDE AN ENERGY-REDUCING ACTIVE FLASH MITIGATION SYSTEM OR OTHER METHOD APPROVED BY THE NEC.

E. USE OF ALUMINUM CONDUCTORS, AS ALLOWED BY CODE, MAY BE SUBSTITUTED FOR COPPER. CONTRACTOR SHALL PROVIDE WRITTEN SUBSTITUTION REQUEST DEMONSTRATING THE THAT THE PROPOSED PRODUCT IS EQUIVALENT TO COPPER IN ALL ASPECTS.

⬡ ONE-LINE NOTES:

1. ESTIMATED GENERATOR STARTING LOAD IS BASED ON THE ELEVATOR MOTORS BEING PROVIDED WITH REDUCED STARTING.

2. PROVIDE GROUND FOR SEPARATELY DERIVED SYSTEM PER NEC.

3. PROVIDE ELECTRONIC TRIP CIRCUIT BREAKER. EXACT BREAKER TYPE, SETTINGS, ETC. TO BE VERIFIED AND AS DETERMINED BY SELECTIVE COORDINATION STUDY AS PERFORMED BY THE ELECTRICAL DISTRIBUTION EQUIPMENT MANUFACTURER.

4. COORDINATE INSTALLATION OF OUTPUT BREAKERS WITH GENERATOR MANUFACTURER TO SELECTIVELY COORDINATE WITH POWER STUDY RECOMMENDATIONS.

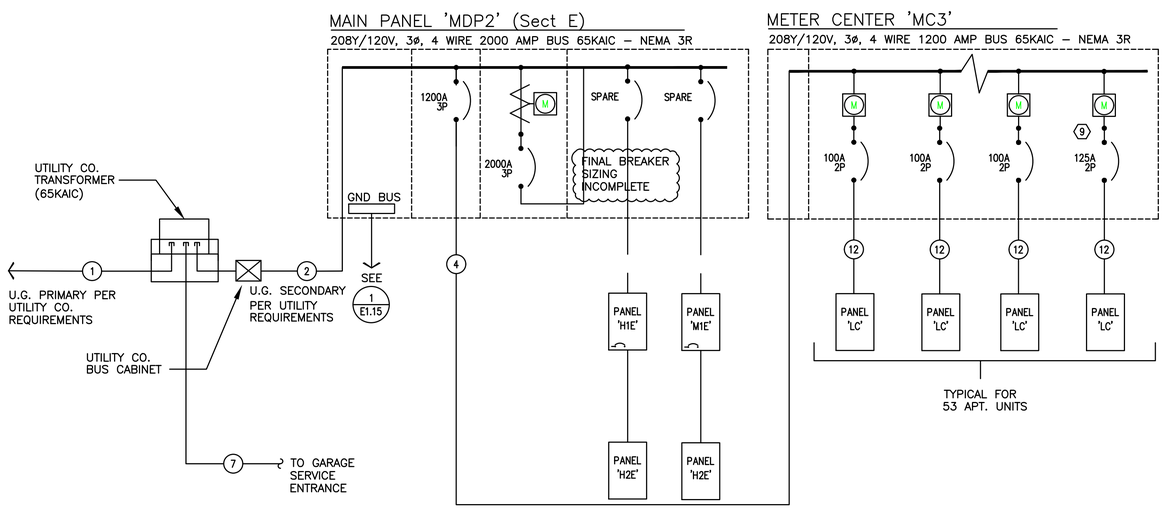
5. 'LIFE SAFETY' BRANCH TO MEET ALL REQUIREMENTS OF NEC 700. CONTRACTOR SHALL BE AWARE THAT MFIA HAS ATTEMPTED TO INDICATE EQUIPMENT AND SIZES THAT WILL SELECTIVELY COORDINATE, BUT WILL NOT BE KNOWN UNTIL ELECTRICAL EQUIPMENT MANUFACTURER PERFORMS THE REQUIRED POWER STUDIES AS SPECIFIED IN 26 05 73. CHANGES MAY BE NECESSARY AFTER THE BID.

6. GENERATOR IS SIZED TO OPERATE ONLY ONE ELEVATOR AT A TIME. COORDINATE WITH ELEVATOR & GENERATOR PROVIDERS FOR AUTOMATIC SEQUENTIAL OPERATION AS REQUIRED UNDER ASME A17.1, SECTION 2.27.2.1 THROUGH 2.27.2.5.

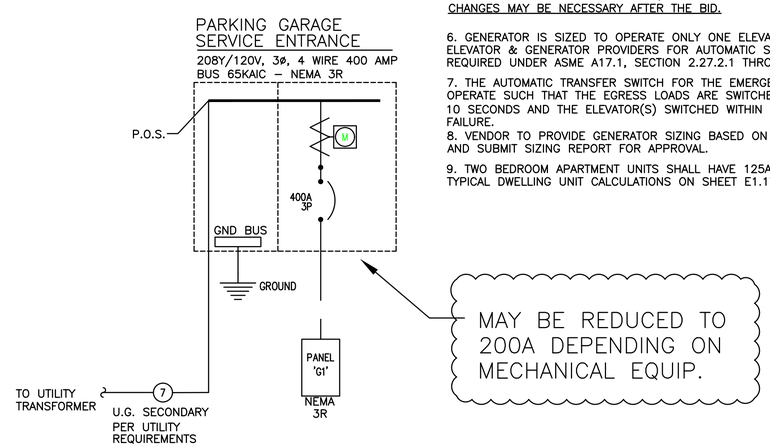
7. THE AUTOMATIC TRANSFER SWITCH FOR THE EMERGENCY PANEL "EDP" SHALL OPERATE SUCH THAT THE EGRESS LOADS ARE SWITCHED TO GENERATOR POWER WITHIN 10 SECONDS AND THE ELEVATOR(S) SWITCHED WITHIN 60 SECONDS OF A POWER FAILURE.

8. VENDOR TO PROVIDE GENERATOR SIZING BASED ON THE LOAD INFORMATION PROVIDED AND SUBMIT SIZING REPORT FOR APPROVAL.

9. TWO BEDROOM APARTMENT UNITS SHALL HAVE 125A LOAD CENTERS. REFER TO THE TYPICAL DWELLING UNIT CALCULATIONS ON SHEET E1.17 FOR MORE INFORMATION.



2 / E1.11 BLDG E ELECTRICAL ONE-LINE DIAGRAM
208/120v, 3ph, 4w



3 / E1.11 GARAGE ELECTRICAL ONE-LINE DIAGRAM
208/120v, 3ph, 4w

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PROJECT # 2017-053
DATE: 11/19/2021

REVISIONS

AEGIS - PHASE II MIXED-USE DEVELOPMENT
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SHEET: E1.11

FEEDER SCHEDULE (COPPER)

NO.	AMPS	CONDUIT	CONDUCTOR			
1		*4"	PER UTILITY CO.	&	(1)	GND
2	3000A	*(8) 4"	ea. w/ (4) #500Kcmil	&	(1) #3/0	GND
3	1600A	*(4) 4"	ea w/ (4) #600Kcmil	&	(1) #3/0	GND
4	1200A	*(3) 4"	ea w/ (4) #600Kcmil	&	(1) #3/0	GND
5	800A	*(2) 4"	ea w/ (4) #600Kcmil	&	(1) #1/0	GND
6	600A	(2) 3"	(4) #350Kcmil	&	(1) #1	GND
7	400A	3 1/2"	(4) #500Kcmil	&	(1) #3	GND
8	250A	2 1/2"	(4) #250Kcmil	&	(1) #4	GND
9	200A	2"	(4) #3/0	&	(1) #6	GND
10	150A	2"	(4) #1/0	&	(1) #6	GND
11	125A	1 1/2"	(3) #1	&	(1) #6	GND
12	100A	1 1/2"	(4) #1	&	(1) #8	GND
13	100A	1 1/2"	(3) #1	&	(1) #8	GND

* PARALLEL FEEDERS PER UTILITY PROVIDER'S DIRECTION.

FEEDER SCHEDULE (ALUMINUM)

NO.	AMPS	CONDUIT	CONDUCTOR			
1		*4"	PER UTILITY CO.	&	(1)	GND
2	3000A	*(8) 4"	ea. w/ (4) #600	&	(1) #3/0	GND
3	1600A	*(4) 3 1/2"	ea w/ (4) #600	&	(1) #4/0	GND
4	1200A	*(3) 3 1/2"	ea w/ (4) #500	&	(1) #3/0	GND
5	800A	*(2) 3 1/2"	ea w/ (4) #400	&	(1) #1/0	GND
6	600A	(2) 2 1/2"	(4) #250	&	(1) #1	GND
7	250A	2 1/2"	(4) #350	&	(1) #4	GND
8	200A	2 1/2"	(4) #250	&	(1) #6	GND
9	150A	2"	(4) #3/0	&	(1) #6	GND
10	125A	1 1/2"	(3) #2/0	&	(1) #6	GND
11	100A	2"	(4) #2/0	&	(1) #8	GND
12	100A	1 1/4"	(3) #1	&	(1) #8	GND

* PARALLEL FEEDERS PER UTILITY PROVIDER'S DIRECTION.

NOTES:

1. REFER TO THE UTILITY PROVIDER'S DESIGN AND INCOMING SERVICE DIVISION OF RESPONSIBILITIES SHOWN ON SHEET E1.01 FOR ADDITIONAL INFORMATION.

2. ALUMINUM CONDUCTORS MAY BE USED IN LIEU OF COPPER FOR SECONDARY FEEDERS.

3. ALUMINUM CONDUCTORS MAY BE USED FOR FEEDERS OVER 100A.

4. USE OF ALUMINUM FEEDERS SHALL BE AS ALLOWED BY THE NEC.

Estimated Loads
480/277V, 3ph

Aegis II - Preliminary Design
Main distribution Center "MDP1" - Sect C & D

LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
House Loads 25785sf @10w/sf				257,860			
Mechanical/HVAC Loads 25785sf @15w/sf				257,860			
Elevator 1 (15hp)						17,451	17,451
Elevator 3 (15hp)						17,451	
Elevator 3 (15hp)						17,451	
Residential Meters (MC1) 500kva Xfmr TMC1 (468kva @ 208v)				500,000			
Residential Meters (MC2) 500kva Xfmr TMC2 (457kva @ 208v)				500,000			
SUBTOTAL	0	0	0	1,515,720	0	52,353	17,451
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	0	0	0	1,515,720	0	52,353	4,363

CONN LOAD:	1586	KVA

VOLTS:	480	3ph
TOTAL CALC:	1572	KVA
CALC AMPS:	1891	AMPS

Estimated Loads
208/120V, 3ph

Aegis II - Preliminary Design
Main distribution Center "MDP2"

LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
House Loads 9323sf @ 5w/sf				46,600			
Mechanical/HVAC Loads 9323sf @10w/sf				93,200			
Residential Meters (MC3)				376,000			
SUBTOTAL	0	0	0	515,800	0	0	0
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	0	0	0	515,800	0	0	0

CONN LOAD:	516	KVA

VOLTS:	208	3ph
TOTAL CALC:	516	KVA
CALC AMPS:	1432	AMPS

Aegis II - Generator Load Summary
Emergency Distribution Panel 'EDP'

LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
Panel 2E1C	5,000	3,500	0		12,676	1,176	
Panel 2E1D	10,000	3,500			8,676	1,176	
Elevator 1 (15hp)						17,388	17,388
Elevator 1 (15hp)						17,388	
Elevator 1 (15hp)						17,388	
SUBTOTAL	15,000	7,000	0	0	21,352	54,516	17,388
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	18,750	7,000	0	0	21,352	54,516	4,347

CONN LOAD:	115	KVA

VOLTS:	480	3ph
TOTAL CALC:	106	KVA
CALC AMPS:	127	AMPS

MECHANICAL EQUIPMENT SCHEDULE

NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
BS-1	BRANCH SELECTOR BOX NO.1		208	1	0.5 MCA	1/2"	#12	#12	SEE UNIT PLANS
EF-1	EXHAUST FAN NO.1	8.2HP	120	1		1/2"	#12	#12	SEE UNIT PLANS
EF-2	EXHAUST FAN NO.2	35W	[illegible]			1/2"	#12	#12	
EF-3	EXHAUST FAN NO.3	218W	[illegible]			1/2"	#12	#12	
EF-4	EXHAUST FAN NO. 4	57W	[illegible]			1/2"	#12	#12	
EF-5	EXHAUST FAN NO.5	1/2HP	[illegible]			1/2"	#12	#12	
EF-6	EXHAUST FAN NO.6	1/2HP	120	1		1/2"	#12	#12	
EF-7	EXHAUST FAN NO.7	1/2HP	[illegible]	1		1/2"	#12	#12	
EF-8	EXHAUST FAN NO.8	3/4HP	[illegible]	1		1/2"	#12	#12	
EF-9	EXHAUST FAN NO.9	1/2HP	[illegible]			1/2"	#12	#12	
EH-1	ELECTRIC WALL HEATER NO.1	1.5 KW	[illegible]	1		1/2"	#12	#12	SEE UNIT PLANS
EH-2	ELECTRIC WALL HEATER NO.2	500W	[illegible]	1		1/2"	#12	#12	SEE E3.01
EH-3	ELECTRIC WALL HEATER NO.3	3.0 KW	208	1		1/2"	#12	#12	SEE E3.01
EH-4	ELECTRIC WALL HEATER NO.4	500W	[illegible]			1/2"	#12	#12	2H1D-6
EH-5	ELECTRIC WALL HEATER NO.5	3.0 KW	[illegible]			1/2"	#12	#12	2H1E-13,15
SP-1	SUMP PUMP NO.1	1/2HP	[illegible]			1/2"	#12	#12	2E1C-10
SP-2	SUMP PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	2E1D-10
RP-1	RECIRC PUMP NO.1	1/2HP	[illegible]			1/2"	#12	#12	2M1C-9
RP-2	RECIRC PUMP NO.2	1/2HP	[illegible]	1		1/2"	#12	#12	2M1C-11
RP-3	RECIRC PUMP NO.3	1/2HP	[illegible]	1		1/2"	#12	#12	2H1E-24
WH-1	WATER HEATER NO.1		[illegible]	1		1/2"	#12	#12	2M1C-
WH-2	WATER HEATER NO.2		[illegible]			1/2"	#12	#12	2M1C-
WH-3	WATER HEATER NO.3		120	1		1/2"	#12	#12	2M1C-
WH-4	WATER HEATER NO.4		120	1		1/2"	#12	#12	2M1C-
WH-5	WATER HEATER NO.5		[illegible]	1		1/2"	#12	#12	2H1E-
WH-6	WATER HEATER NO.6		[illegible]	1		1/2"	#12	#12	2H1E-

GENERAL EQUIPMENT NOTES:

A. CONTRACTOR/DESIGNER SHALL VERIFY ALL MECHANICAL EQUIPMENT CONNECTION LOAD REQUIREMENTS WITH THE MECHANICAL EQUIPMENT PROVIDER PRIOR TO [illegible]

B. MECHANICAL EQUIPMENT SIZES SHOWN IN THE MECHANICAL [illegible]OLE ABOVE ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL EQUIPMENT TO BE [illegible]LED.

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E1.12

Aegis II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL 2H1C	SURFACE	SECT C ELECT RM	142

voltage	phase	bus & main	calculated load amps
120/208V (SCCR: 42K)	3	250A MLO	142

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - BLDG EXTERIOR		20/1	1	*	2	20/1	720	RECEPT - ELECT RM	2
1	LIGHTS - 1ST FLR		20/1	3	*	4	20/1	0	SPARE	
1	LIGHTS - 1ST FLR		20/1	5	*	6	20/1		RECEPT - LOBBY	2
1	LIGHTS - 1ST FLR		20/1	7	*	8	20/1		RECEPT - LOBBY	2
1	LIGHTS - 1ST FLR		20/1	9	*	10	20/1		RECEPT - LOBBY	2
1	LIGHTS - 1ST FLR		20/1	11	*	12	20/1		RECEPT - LOBBY	2
1	LIGHTS - 1ST FLR		20/1	13	*	14	20/1		RECEPT - LOBBY	2
1	LIGHTS - FLR 2,3 CORRIDOR		20/1	15	*	16	20/1		RECEPT - LOBBY	2
1	LIGHTS - FLR 2,3 UNIT ENTRY		20/1	17	*	18	20/1		RECEPT - LOBBY	2
1	LIGHTS - FLR 2,3 BOH		20/1	19	*	20	20/1		RECEPT - LOBBY	2
5	BUILDING SIGNS	1500	20/1	21	*	22	20/1	500	PHONE BOARD	5
5	AV SYSTEM	1500	20/1	23	*	24	20/1	500	COMM BOARD	5
5	ACCESS CONTROL SYSTEM	1500	20/1	25	*	26	20/1	1500	LIGHTING CONTROL SYSTEM	5
5	ENTRY SYSTEM	1500	20/1	27	*	28	20/1	0	SPARE	
5	CCTV/SECURITY	1500	20/1	29	*	30	20/1	0	SPARE	
5	DAS SYSTEM	1500	20/1	31	*	32	150/3	11924	PANEL 2M1C (1ST FLR ELECT RM)	7
2	RECEPT - MAINTENANCE RM	900	20/1	33	*	34	*	6276	*	7
	SPARE	0	20/1	35	*	36	*	9600	*	7
7	PANEL 2H2C (4TH FLR)	4080	60/3	37	*	38	100/3		PANEL B1 (BOWLING ALLEY)	7
7	*	4080	*	39	*	40	*		*	7
7	*	2040	*	41	*	42	*		*	7

Phase A	21224 VA	NOTES:	line-line voltage
Phase B	14756 VA		208
Phase C	15140 VA		largest motor (va)
Total Connected	51120 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	720	900	0 VA	1620	1 + 0.5	1620
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	4500	3500	3500 VA	11500	1.00	11500
6. MOTORS=	0	0	0 VA	0	*	0
7. MISC=	16004	10356	11640 VA	38000	1.00	38000
(* 125% of the largest motor + 100% of the balance)				TOTAL =		51120

AEGIS II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL 2H2C	SURFACE	4TH FLR DATA RM	28

voltage	phase	bus & main	calculated load amps
120/208V (SCCR: 42K)	3	600A MLO	28

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - FLR 4,5,6 CORRIDOR		20/1	1	*	2	20/1	1080	RECEPT - FLR 2,3	2
1	LIGHTS - FLR 4,5,6 UNIT ENTRY		20/1	3	*	4	20/1	1080	RECEPT - FLR 4,5	2
1	LIGHTS - FLR 4,5,6 BOH		20/1	5	*	6	20/1	540	RECEPT - FLR 6	2
	SPARE	0	20/1	7	*	8	20/1	1500	RECEPT - DATA CLOSET	2
	SPARE	0	20/1	9	*	10	20/1	1500	RECEPT - DATA CLOSET	2
	SPARE	0	20/1	11	*	12	20/1	1500	RECEPT - DATA CLOSET	2
	SPARE	0	20/1	13	*	14	20/1	1500	RECEPT - DATA CLOSET	2
	SPARE	0	20/1	15	*	16	20/1	1500	RECEPT - DATA CLOSET	2
	BLANK			17	*	18			BLANK	
	BLANK			19	*	20			BLANK	
	BLANK			21	*	22			BLANK	
	BLANK			23	*	24			BLANK	
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

Phase A	4080 VA	NOTES:	line-line voltage
Phase B	4080 VA		208
Phase C	2040 VA		largest motor (va)
Total Connected	10200 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	4080	4080	2040 VA	10200	1 + 0.5	10100
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	0	0	0 VA	0	1.00	0
6. MOTORS=	0	0	0 VA	0	*	0
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		10100

AEGIS II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL 2E1C	SURFACE	SECT. C ELECT RM	45

voltage	phase	bus & main	calculated load amps
120/208V (SCCR: 42K)	3	MLO	45

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - EXTERIOR		20/1	1	*	2	20/1	1500	ELEV #1 PIT/SHAFT LTS & PLUGS	2
1	LIGHTS - EGRESS FLRS 1,2,3		20/1	3	*	4	20/1	1500	ELEV #1 CAB LIGHTS	2
1	LIGHTS - EGRESS FLRS 4,5,6		20/1	5	*	6	20/1	1500	ELEV #1 CONTROLLER	5
1	LIGHTS - STAIR #1		20/1	7	*	8	20/1	1176	ELEV #1 RELIEF VENT	5
	SPARE	0	20/1	9	*	10	20/1	1176	ELEV #1 SUMP SP-1	6
	SPARE	0	20/1	11	*	12	20/1	0	SPARE	
5	AREA OF REFUGE PANEL	500	20/1	13	*	14	20/1	500	RECEPT - ELEV #1 MACH RM	2
5	FACP	500	20/1	15	*	16	20/1	0	SPARE	
5	GENERATOR ANNUNCIATOR	500	20/1	17	*	18	20/1	1500	SMOKE DAMPERS	5
5	SMOKE CURTAINS	1500	20/1	19	*	20	20/1	1500	SMOKE DAMPERS	5
5	SMOKE CURTAINS	1500	20/1	21	*	22	20/1	1500	SMOKE DAMPERS	5
	SPARE	0	20/1	23	*	24	20/1	0	SPARE	
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
7	PANEL 2E1D			37	*	38			BLANK	
7	*			39	*	40			BLANK	
7	*			41	*	42			BLANK	

Phase A	6676 VA	NOTES:	line-line voltage
Phase B	6176 VA		208
Phase C	3500 VA		largest motor (va)
Total Connected	16352 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	2000	1500	0 VA	3500	1 + 0.5	3500
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	4676	3500	3500 VA	11676	1.00	11676
6. MOTORS=	0	1176	0 VA	1176	*	1176
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		16352

AEGIS II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL 2M1C	SURFACE		77

voltage	phase	bus & main	calculated load amps
120/208V (SCCR: 42K)	3	150A MLO	77

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
3	EH-2 (S. VESTIBULE)	1000	20/1	1	*	2	20/1	1500	AUTO DOOR (S. VESTIBULE)	5
3	EH-2 (N. VESTIBULE)	1000	20/1	3	*	4	20/1	1500	AUTO DOOR (N. VESTIBULE)	5
3	IAC/OAC-2 (ELEV MACH RM)	2912	30/2	5	*	6	30/2	2912	AC/OAC-2 (BOILER RM)	3
3	*	2912	*	7	*	8	*	2912	*	3
6	RP-1 (BOILER)	1176	20/1	9	*	10	20/1	500	WH-1, WH-2 (GAS)	3
6	RP-2 (BOILER)	1176	20/1	11	*	12	20/1	500	WH-3, WH-4 (GAS)	3
6	TRASH COMPACTOR	2100	40/3	13	*	14	20/1	1500	OH DOOR (TRASH RM)	5
6	*	2100	*	15	*	16	20/1		SPARE	
6	*	2100	*	17	*	18	20/1		SPARE	
	SPARE		20/1	19	*	20	20/1		SPARE	
	SPARE		20/1	21	*	22	20/1		SPARE	
	SPARE		20/1	23	*	24	20/1		SPARE	
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

Phase A	11924 VA	NOTES:	line-line voltage
Phase B	6276 VA		208
Phase C	9600 VA		largest motor (va)
Total Connected	27800 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	0	0	0 VA	0	1 + 0.5	0
3. HEATING=	6824	1500	6324 VA	14648	1.00	14648
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	3000	1500	0 VA	4500	1.00	4500
6. MOTORS=	2100	3276	3276 VA	8652	*	8652
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		27800

AEGIS II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL 2H1D	SURFACE	SECT D ELEC RM	36

voltage	phase	bus & main	calculated load amps
120/208V (SCCR:42K)	3	60A MLO	21

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - FLR 1,2,3 CORRIDOR		20/1	1	*	2	20/1	1080	RECEPTACLES	2
1	LIGHTS - FLR 1,2,3 UNIT ENTRY		20/1	3	*	4	20/1	1080	RECEPTACLE	2
1	LIGHTS - FLR 1,2,3 BOH		20/1	5	*	6	20/1	500	EH-4 (RISER#M)	3
1	LIGHTS - FLR 4,5,6 CORRIDOR		20/1	7	*	8	20/1	1000	EH-2 (SECT D VESTIBULE)	3
1	LIGHTS - FLR 4,5,6 UNIT ENTRY		20/1	9	*	10	20/1	1500	AUTO DOOR	5
1	LIGHTS - FLR 4,5,6 BOH		20/1	11	*	12	20/1	0	SPARE	
	SPARE		20/1	13	*	14	20/1	1500	RECEPT - PACKAGE SYSTEM	2
	RECEPT - FLR 2	1080	20/1	15	*	16	20/1	720	RECEPTACLES	2
	RECEPT - FLR 3	1080	20/1	17	*	18	20/1	0	SPARE	
	RECEPT - FLR 4	1080	20/1	19	*	20	20/1	0	SPARE	
	RECEPT - FLR 5	1080	20/1	21	*	22	20/1	0	SPARE	
	RECEPT - FLR 6	1080	20/1	23	*	24	20/1	0	SPARE	
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

Phase A	4660 VA	NOTES:	line-line voltage
Phase B	5460 VA		208
Phase C	2660 VA		largest motor (va)
Total Connected	12780 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	2580	1800	0 VA	4380	1 + 0.5	4380
3. HEATING=	1000	0	500 VA	1500	1.00	1500
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	0	1500	0 VA	1500	1.00	1500
6. MOTORS=	0	0	0 VA	0	*	0
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		7380

AEGIS II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL 2E1D	SURFACE	SECT D ELECT RM	37

voltage	phase	bus & main	calculated load amps
120/208V	3	MLO	37

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - EXTERIOR		20/1	1	*	2	20/1	1500	ELEV #2,3 PIT/SHAFT LTS & PLUGS	2
1	LIGHTS - FLR 1,2,3 SECT D		20/1	3	*	4	20/1	1500	ELEV #2,3 CAB LIGHTS	2
1	LIGHTS - FLR 4,5,6 SECT D		20/1	5	*	6	20/1	1500	ELEV #2,3 CONTROLLER	5
1	LIGHTS - STAIR #2		20/1	7	*	8	20/1	1176	ELEV #2,3 RELIEF VENT	5
	SPARE		20/1	9	*	10	20/1	1176	ELEV #2,3 SUMP SP-2	6
	SPARE		20/1	11	*	12	20/1	0	SPARE	
1	LIGHTS - FLR 1,2,3 SECT E		20/1	13	*	14	20/1	500	RECEPT - ELEV #2,3 MACH RM	2
1	LIGHTS - FLR 4,5,6 SECT E		20/1	15	*	16	20/1	1500	SMOKE DAMPERS - SECT D	5
1	LIGHTS - STAIR #3		20/1	17	*	18	20/1	1500	SMOKE DAMPERS - SECT D	5
1	LIGHTS - GARAGE EGRESS		20/1	19	*	20	20/1	0	SPARE	
1	LIGHTS - GARAGE EGRESS		20/1	21	*	22	20/1	1500	SMOKE DAMPERS - SECT E	5
5	SMOKE CURTAINS		20/1	23	*	24	20/1	1500	SMOKE DAMPERS - SECT E	5
5	SMOKE CURTAINS		20/1	25	*	26	20/1	0	SPARE	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

Phase A	3176 VA	NOTES:	line-line voltage
Phase B	5676 VA		208
Phase C	4500 VA		largest motor (va)
Total Connected	13352 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	2000	1500	0 VA	3500	1 + 0.5	3500
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	1176	3000	4500 VA	8676	1.00	8676
6. MOTORS=	0	1176	0 VA	1176	*	1176
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		13352

AEGIS II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL G1	SURFACE NEMA 3R	PARKING GARAGE	0

voltage	phase	bus & main	calculated load amps
120/208V (SCCR: 22K)	3	400A MLO	0

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS		20/1	1	*	2	20/1		RECEPTACLES	2
1	LIGHTS		20/1	3	*	4	20/1		RECEPTACLES	2
1	LIGHTS		20/1	5	*	6	20/1		RECEPTACLES	2
	SPARE	0	20/1	7	*	8	20/1			
	SPARE	0	20/1	9	*	10	20/1			
	SPARE	0	20/1	11	*	12	20/1			
	SPARE	0	20/1	13	*	14	20/1			
	SPARE	0	20/1	15	*	16	20/1			
	BLANK			17	*	18			BLANK	
	BLANK			19	*	20			BLANK	
	BLANK			21	*	22			BLANK	
	BLANK			23	*	24			BLANK	
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

Phase A	0 VA	NOTES:	line-line voltage
Phase B	0 VA		208
Phase C	0 VA		largest motor (va)
Total Connected	0 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	0	0	0 VA	0	1 + 0.5	0
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	0	0	0 VA	0	1.00	0
6. MOTORS=	0	0	0 VA	0	*	0
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		0

AEGIS II — MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
PANEL 2H1E	SURFACE	SECT E ELEC RM	68

voltage	phase	bus & main	calculated load amps
120/208V (SCCR: 42K)	3	600A MLO	67

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - FLR 1,2,3 (CORRIDOR)		20/1	1	*	2	20/1	1080	RECEPT- FLR 1	2
1	LIGHTS - FLR 1,2,3 (UNITS)		20/1	3	*	4	20/1	1080	RECEPT- FLR 2	2
1	LIGHTS - FLR 4,5,6 (CORRIDOR)		20/1	5	*	6	20/1	1080	RECEPT- FLR 3	2
1	LIGHTS - FLR 4,5,6 (UNITS)		20/1	7	*	8	20/1	1080	RECEPT- FLR 4	2
1	LIGHTS - BOH	0	20/1	9	*	10	20/1	1080	RECEPT- FLR 5	2
	SPARE	0	20/1	11	*	12	20/1	1080	RECEPT- FLR 6	2
3	EH-5 (TRASH RM)	1500	20/1	13	*	14	20/1	1500	RECEPT - DATA CLOSETS	2
3	*	1500	20/1	15	*	16	20/1	1500	RECEPT - DATA CLOSETS	2
5	OH DOOR (TRASH RM)	1500	20/1	17	*	18	20/1	1500	RECEPT - DATA CLOSETS	2
6	TRASH COMPACTOR	2100	40/3	19	*	20	20/1	1000	EH-2 (E. ENTRANCE)	3
6	*	2100	*	21	*	22	20/1	500	WH-5, WH-6 (GAS)	3
6	*	2100	*	23	*	24	20/1	1176	RP-3	6
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

Phase A	8260 VA	NOTES:	line-line voltage
Phase B	7760 VA		208
Phase C	8436 VA		largest motor (va)
Total Connected	24456 VA		0

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	3660	3660	3660 VA	10980	1 + 0.5	10490
3. HEATING=	2500	2000	0 VA	4500	1.00	4500
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	0	0	1500 VA	1500	1.00	1500
6. MOTORS=	2100	2100	3276 VA	7476	*	7476
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		23966

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PROJECT # 2017-053
DATE: 11/19/2021

REVISIONS

AEGIS - PHASE II
MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:

E1.13

AEGIS II - METER CENTER MC1
RESIDENTIAL LOAD SUMMARY - SECTION C

UNIT TYPE:	QTY PER FLOOR Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5	Lvl 6	TOTAL	AREA (AVG SF)	LTG/RECEPT	SM APPL	LAUNDRY	COOKING	MICROWAVE	DISHWASHER	ELECT DRYER	WATER HEATER	DISPOSAL	MOTORS	LARGEST OF: AC/HEATING
STUDIO		4	4	4	4	4	20	550	1650	3000	1500	9900	1500	900	3400	0	900	0	2500
1 BDRM/1 BATH	2	7	7	7	7	7	37	650	1950	3000	1500	9900	1500	900	3400	0	900	0	5000
2 BDRM/1 BATH		3	3	3	3	3	15	1000	3000	3000	1500	9900	1500	900	3400	0	900	0	8750
TOTALS:	2	14	14		14	14	72	50050	150150	216000	108000	712800	108000	64800	244800	0	64800	0	366250

VOLTS: 208 3ph
TOTAL CONNECTED: 2036 KVA
DEMAND FACTOR: 0.23 Based on Total Number of Residential Units = 62 and over (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 468 KVA
CALCULATED AMPS: 1300 AMPS

NOTE:

AEGIS II - METER CENTER MC2
RESIDENTIAL LOAD SUMMARY - SECTION D

UNIT TYPE:	QTY PER FLOOR Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5	Lvl 6	TOTAL	AREA (AVG SF)	LTG/RECEPT	SM APPL	LAUNDRY	COOKING	MICROWAVE	DISHWASHER	ELECT DRYER	WATER HEATER	DISPOSAL	MOTORS	LARGEST OF: AC/HEATING
STUDIO	4	5	5	5	5	5	29	550	1650	3000	1500	9900	1500	900	3400	0	900	0	2500
1 BDRM/1 BATH	6	4	4	4	4	4	26	650	1950	3000	1500	9900	1500	900	3400	0	900	0	5000
2 BDRM/1 BATH	1	3	3	3	3	3	16	1000	3000	3000	1500	9900	1500	900	3400	0	900	0	8750
TOTALS:	11	12	12		12	12	71	48850	146550	213000	106500	702900	106500	63900	241400	0	63900	0	342500

VOLTS: 208 3ph
TOTAL CONNECTED: 1987 KVA
DEMAND FACTOR: 0.23 Based on Total Number of Residential Units = 62 and over (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 457 KVA
CALCULATED AMPS: 1269 AMPS

NOTE:

AEGIS II - METER CENTER MC3
RESIDENTIAL LOAD SUMMARY - SECTION E

UNIT TYPE:	QTY PER FLOOR Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5	Lvl 6	TOTAL	AREA (AVG SF)	LTG/RECEPT	SM APPL	LAUNDRY	COOKING	MICROWAVE	DISHWASHER	ELECT DRYER	WATER HEATER	DISPOSAL	MOTORS	LARGEST OF: AC/HEATING
STUDIO	5	4	4	4	4	4	25	550	1650	3000	1500	9900	1500	1000	3400	0	900	0	2500
1 BDRM/1 BATH	1	2	2	2	2	2	11	650	1950	3000	1500	9900	1500	1000	3400	0	900	0	5000
2 BDRM/1 BATH	2	3	3	3	3	3	17	1000	3000	3000	1500	9900	1500	1000	3400	0	900	0	8750
TOTALS:	8	9	9	9	9	9	53	37900	113700	159000	79500	524700	79500	53000	180200	0	47700	0	266250

VOLTS: 208 3ph
TOTAL CONNECTED: 1504 KVA
DEMAND FACTOR: 0.25 Based on Total Number of Residential Units = 51-55 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 376 KVA
CALCULATED AMPS: 1043 AMPS

NOTE:

DWELLING UNIT LOAD CALCULATION

Project: Aegis II

Unit Type Studio

Area: 550 **square feet(average)**

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	1,650	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range	9,900	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	23,150	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	5,260	VA
Net "general load"	15,260	VA
Largest of: VA of electric space heating (less than 4) at 65%	0	VA
-or- VA of electric space heating (4 or more) at 40%	0	VA
-or- 2500 VA of air conditioning/cooling/heat pumps at 100%	2,500	VA
TOTAL LOAD	17,760	VA
For 120/208-volt, 4-wire, three-phase service or feeder, 17,760 VA / 208 volts =	85	Amps

Therefore, this dwelling unit shall be permitted to be served by a 100 amp service.

DWELLING UNIT LOAD CALCULATION

Project: Aegis II

Unit Type 1Bedroom

Area: 650 **square feet(average)**

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	1,950	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range	9,900	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	23,450	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	5,380	VA
Net "general load"	15,380	VA
Largest of: VA of electric space heating (less than 4) at 65%	0	VA
-or- VA of electric space heating (4 or more) at 40%	0	VA
-or- 5000 VA of air conditioning/cooling/heat pumps at 100%	5,000	VA
TOTAL LOAD	20,380	VA
For 120/208-volt, 4-wire, three-phase service or feeder, 20,380 VA / 208 volts =	98	Amps

Therefore, this dwelling unit shall be permitted to be served by a 100 amp service.

DWELLING UNIT LOAD CALCULATION

Project: Aegis II

Unit Type 2Bedroom

Area: 1,000 **square feet(average)**

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	3,000	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range	9,900	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	24,500	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	5,800	VA
Net "general load"	15,800	VA
Largest of: VA of electric space heating (less than 4) at 65%	0	VA
-or- VA of electric space heating (4 or more) at 40%	0	VA
-or- 8750 VA of air conditioning/cooling/heat pumps at 100%	8,750	VA
TOTAL LOAD	24,550	VA
For 120/208-volt, 4-wire, three-phase service or feeder, 24,550 VA / 208 volts =	118	Amps

Therefore, this dwelling unit shall be permitted to be served by a 125 amp service.

MFIA CIRCUIT DIRECTORY — 06-May-22

Loadcenter Name: LC-STUDIO (TYPICAL) | mounting: RECESSED | location:
voltage: 208/120 | phase: 1 | bus & main: 100A MLO (SCCR: 22K)

service	a/p	no.	L1	L2	no.	a/p	service
LIGHTS-KITCHEN/LIVING	15/1(A)	1	*		2	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - BATH	20/1(AG)	3		*	4	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - LIVING	15/1(A)	5	*		6	20/1(AG)	REFRIGERATOR
RECEPT - LIVING	15/1(A)	7		*	8	20/1(AG)	MICRO/HOOD
BLANK	----	9	*		10	40/2(AG)	RANGE
BLANK	----	11		*	12	*	*
WASHER	20/1(AG)	13	*		14	20/1(AG)	DISHWASHER (WHERE USED)
DRYER	30/2(A)	15		*	16	20/1(AG)	DISPOSAL
*	*	17	*		18	20/2	HEAT
WATER METER	15/1(A)	19		*	20	*	*
SMART PANEL	20/1(A)	21	*		22	20/2	HEAT (WHERE USED)
BRANCH BOX	20/1(A)	23		*	24	*	*
BLANK	----	25	*		26	----	BLANK
BLANK	----	27		*	28	----	BLANK
BLANK	----	29	*		30	----	BLANK

NOTES:
1. (A) DENOTES: ARC-FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12
2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".
3. BREAKER & WIRE SHALL BE SIZED FOR HEATING EQUIPMENT INSTALLED.
4. (G) DENOTES GFCI RATED BREAKER.
5. 15A CIRCUIT BREAKERS (14AGW) SHALL BE ALLOWED AS REQUIRED BY CODE.
6. (AG) DENOTES COMBINATION ARC-FAULT/GROUND-FAULT RATED BREAKER.

MFIA CIRCUIT DIRECTORY — 06-May-22

Loadcenter Name: LC-1BR (TYPICAL) | mounting: RECESSED | location:
voltage: 208/120 | phase: 1 | bus & main: 100A MLO (SCCR: 22K)

service	a/p	no.	L1	L2	no.	a/p	service
LIGHTS-KITCHEN/LIVING	15/1(A)	1	*		2	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - BATH	20/1(AG)	3		*	4	20/1(AG)	APPLIANCE CIRCUIT
LTS & RECEPT - BEDROOM	15/1(A)	5	*		6	20/1(AG)	REFRIGERATOR
RECEPT - LIVING	15/1(A)	7		*	8	20/1(AG)	MICRO/HOOD
BLANK	----	9	*		10	40/2(AG)	RANGE
BLANK	----	11		*	12	*	*
WASHER	20/1(AG)	13	*		14	20/1(AG)	DISHWASHER (WHERE USED)
DRYER	30/2(A)	15		*	16	20/1(AG)	DISPOSAL
*	*	17	*		18	20/2	HEAT
WATER METER	15/1(A)	19		*	20	*	*
SMART PANEL	20/1(A)	21	*		22	20/2	HEAT
BRANCH BOX	20/1(A)	23		*	24	*	*
BLANK	----	25	*		26	----	BLANK
BLANK	----	27		*	28	----	BLANK
BLANK	----	29	*		30	----	BLANK

NOTES:
1. (A) DENOTES: ARC-FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12
2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".
3. BREAKER & WIRE SHALL BE SIZED FOR HEATING EQUIPMENT INSTALLED.
4. (G) DENOTES GFCI RATED BREAKER.
5. 15A CIRCUIT BREAKERS (14AGW) SHALL BE ALLOWED AS REQUIRED BY CODE.
6. (AG) DENOTES COMBINATION ARC-FAULT/GROUND-FAULT RATED BREAKER.

MFIA CIRCUIT DIRECTORY — 06-May-22

Loadcenter Name: LC-2BR (TYPICAL) | mounting: RECESSED | location:
voltage: 208/120 | phase: 1 | bus & main: 125A MLO (SCCR: 22K)

service	a/p	no.	L1	L2	no.	a/p	service
LIGHTS-KITCHEN/LIVING	15/1(A)	1	*		2	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - BATH	20/1(AG)	3		*	4	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - LIVING	15/1(A)	5	*		6	20/1(AG)	REFRIGERATOR
RECEPT - LIVING	15/1(A)	7		*	8	20/1(AG)	MICRO/HOOD
LTS & RECEPT - BEDROOM	15/1(A)	9	*		10	40/2(AG)	RANGE
LTS & RECEPT - BEDROOM	15/1(A)	11		*	12	*	*
WASHER	20/1(AG)	13	*		14	20/1(AG)	DISHWASHER
DRYER	30/2(A)	15		*	16	20/1(AG)	DISPOSAL
*	*	17	*		18	50/2	HEAT
WATER METER	15/1(A)	19		*	20	*	*
SMART PANEL	20/1(A)	21	*		22	20/2	HEAT (WHERE USED)
BRANCH BOX	20/1(A)	23		*	24	*	*
BLANK	----	25	*		26	20/2	HEAT (WHERE USED)
BLANK	----	27		*	28	*	*
BLANK	----	29	*		30	----	BLANK

NOTES:
1. (A) DENOTES: ARC-FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12.
2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".
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PROJECT # 2017-053
DATE: 11/19/2021

REVISIONS

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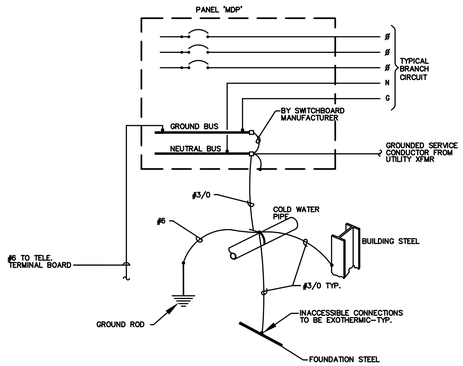
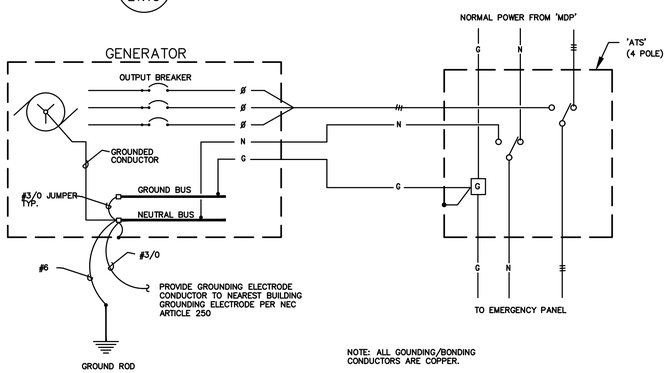
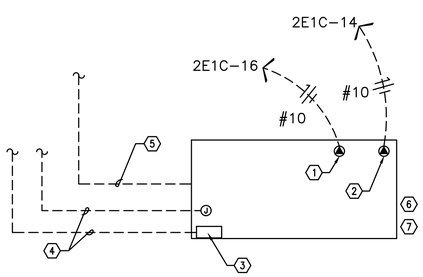
SHEET:
E1.14



1 / E1.15 GROUNDING/BONDING DIAGRAM
208Y/120V, 3ø, 4 WIRE



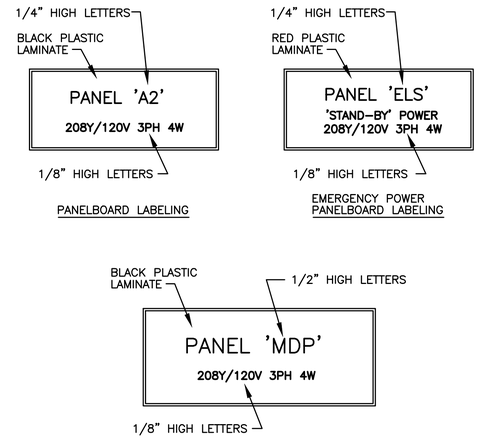
2 / E1.15 GENERATOR – ELECTRICAL GROUNDING/BONDING DETAIL
NO SCALE



3 / E1.15 GENERATOR CIRCUITING DETAIL
NO SCALE

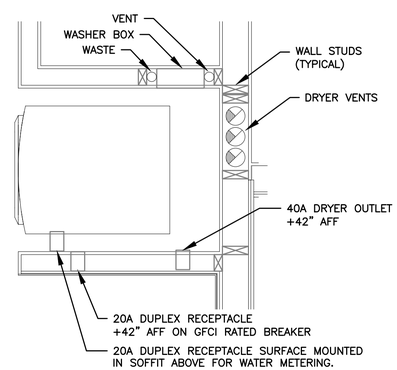
NOTES:

1. 120V GENERATOR BLOCK HEATER – PANEL 2E1C
2. 120V GENERATOR BATTERY CHARGER – PANEL 2E1C.
3. GENERATOR OUTPUT BREAKER AND CONTROL SECTION – PANEL 2E1C.
4. POWER AND CONTROL TO TRANSFER SWITCH AND REMOTE ANNUNCIATOR. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
5. TO AUTOMATIC TRANSFER SWITCH. SEE E1.11.
6. DIESEL GENERATOR SHALL BE PROVIDED WITH DOUBLE-WALLED FUEL TANK AND BE EQUIPPED WITH OVERFILL PROTECTION (AUTO SHUTOFF), 5 GALLON INFILL SPILL BUCKET WITH DRAIN BACK, 12FT ABOVE GRADE TANK FUME VENTING AND ONSITE PRESSURE TESTING PER CITY REQUIREMENTS.
7. REFER TO MECHANICAL/PLUMBING DRAWINGS FOR ADDITION INFORMATION REGARDING THE FUEL TANK.



4 / E1.15 SWITCHBOARD/PANEL LABELING DETAIL
NO SCALE

NOTE: ALL LETTERS ARE ENGRAVED WHITE



5 / E1.15 TYPICAL WASHER/DRYER ALCOVE
NO SCALE

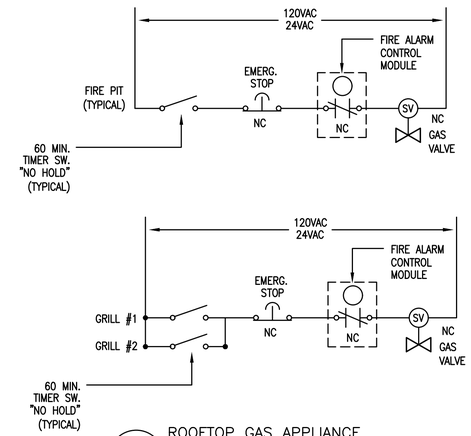
NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH IN, TO ENSURE THAT ELECTRICAL DEVICES ARE NOT INSTALLED WHERE THEY WILL CREATE CONFLICT.

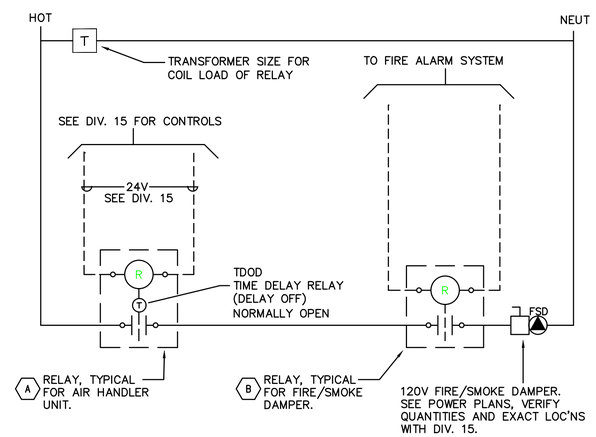
2. PREFERRED INSTALLATION SHALL HAVE THE ELECTRICAL DEVICES ON A WALL OPPOSITE THE WORK OF ANY OTHER TRADE.

3. COORDINATE WITH WATER METER INSTALLER FOR EXACT LOCATION OF DUPLEX RECEPTACLE, WHERE REQUIRED.

4. FIELD COORDINATE WITH ALL TRADES PRIOR TO ROUGH IN.



6 / E1.15 ROOFTOP GAS APPLIANCE EMERGENCY SHUT-OFF DIAGRAM
SCALE: NONE



6 / E1.15 SMOKE/FIRE DAMPER CONTROL DIAGRAM
NO SCALE

ADDRESSABLE DETECTOR CONTROL

A RELAY TO BE 'NORMALLY OPEN'. TDOD (TIME DELAY ON DE-ENERGY) SET FOR 15 SECONDS. RELAY TO CLOSE UPON SIGNAL FROM HVAC CONTROL SYSTEM (ALLOWS DAMPER TO OPEN); DAMPERS TO CLOSE ON DE-ENERGIZE AFTER 15 SEC. TIME-OUT. PROVIDE WITH 20A CONTACTS AND COIL VOLTAGE AS REQ'D BY HVAC CONTROL SYSTEM. MOUNT RELAY IN NEMA 1 ENCLOSURE ADJACENT TO HAVC CONTROL PANEL.

B RELAY TO BE 'NORMALLY ENERGIZED'. RELAY TO BE DE-ENERGIZED UPON SIGNAL FROM FIRE ALARM SYSTEM (ALLOWS DAMPERS TO CLOSE). PROGRAM FIRE ALARM SYSTEM FOR 15 SECOND DELAY BETWEEN SMOKE DETECTOR ACTIVATION AND FIRE/SMOKE DAMPER SHUTDOWN. PROVIDE WITH 20A CONTACTS AND COIL VOLTAGE AS REQ'D BY FIRE ALARM SYSTEM. MOUNT RELAY IN NEMA 1 ENCLOSURE ADJACENT TO FIRE/SMOKE DAMPER.

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E1.15

LIGHTING FIXTURE LIST

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
A1 A1E	LED 3000K 2000LM/80CRI 28W	LITHONIA (OR APROVED OTHER)	CSS L48 AL03 SERIES	TYPE :4' GEN. PURPOSE STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :DIFFUSED ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE 'AE' SIMILAR TO TYPE 'A' EXCEPT WITH EMERGENCY BATTERY BACK-UP EQUIP. RMS, TRASH RM, LEASE SPACE
A2	LED 4000K 5000LM/80CRI 42W	LITHONIA (OR APROVED OTHER)	CSVT SERIES	TYPE :4' ENCLOSED INDUSTRIAL MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :CLEAR POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER	WALL MOUNT AT +7'-0" AFF IN ROOF TERRACE MECH. ROOM. ELEVATOR PIT & TOP OF SHAFT
B1 〈1〉	LED 3000K 3000LM/80CRI 25W	LITHONIA (OR APROVED OTHER)	BLWP4 30L SERIES	TYPE :4' WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	PROVIDE WITH INTEGRAL OCCUPANCY SENSOR, DIM50 STANDBY MODE STAIRWELLS
C1a/b	LED 3000K/90CRI 150LM/FT 3.5W/FT	INSIGHT LIGHTING (OR APROVED OTHER)	PIVOT PCM SERIES	TYPE :LED COVE LIGHT MOUNTING :SURFACE (IN COVE) HOUSING :ALUMINUM LENS/REFL :CLEAR POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING-ELV)	C1a = 2FT LENGTH C1b = 4FT LENGTH MAIN LOBBY
C2	LED 600LM/80CRI 3000K 10W	COOPER LIGHTING (OR APPROVED OTHER)	SMD4R12 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	WHITE TRIM UL LISTED DAMP LOCATION RESTROOMS, DOG WASH
C3	LED 1200LM/80CRI 3000K 15W	COOPER LIGHTING (OR APPROVED OTHER)	SMD6R12 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC/CLEAR DIFFUSE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	WHITE TRIM OR ARHITECT LOBBY, CORRIDORS
C5	LED 650LM/80CRI 3000K 10W	COOPER LIGHTING (OR APPROVED OTHER)	HLA406FL SERIES	TYPE :4" DIA. ADJ.DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	IC RATED FIELD AIM PER ARCHITECT'S DIRECTION WHITE TRIM LOBBY, CORRIDOR

-- NOT USED

LIGHTING FIXTURE LIST - EXITING

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
X1	LED (GREEN LETTERS) (1.5W)	LITHONIA (OR APROVED OTHER)	EXG LED EL SERIES	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE/DUAL FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	
X2	LED (GREEN LETTERS) (3.5W)	LITHONIA (OR APROVED OTHER)	WLTE EL SERIES BLACK FINISH	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	UL LISTED WET LOCATION PARKING GARAGE
X3	LED (GREEN LETTERS) (1.5W)	LITHONIA (OR APROVED OTHER)	EDGR 1 GMR EL SERIES	TYPE :EXIT SIGN MOUNTING :RECESSED HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	MOUNTED CENTERED ABOVE DOOR UNLESS OTHERWISE NOTED.
X4	LED (GREEN LETTERS) (3.5W)	EATON (OR APROVED OTHER)	EUX SERIES	TYPE :EXIT SIGN MOUNTING :SURFACE HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	SURFACE MOUNT AT STOREFRONT MULLION TENANT LEASE SPACE
X5	LED (GREEN LETTERS) (3.5W)	EATON (OR APROVED OTHER)	EUX SERIES	TYPE :EXIT SIGN MOUNTING :SURFACE HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE/DOUBLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	SURFACE MOUNT AT CEILING

LIGHTING FIXTURE LIST - DECORATIVE

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
LF1	LED 330LM/FT 3000K 3W/FT	KELVIX (OR APPROVED OTHER)	PH30K 24V W/ CH409 CHANNEL	TYPE :UNDER CABINET LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM CHANNEL LENS/REFL :WHITE ACRYLIC LENS VOLTAGE :24V BALLAST :LED DRIVER 0-10 DIMMING	TAPE & CHANNEL TO MOUNT AT UNDER-SIDE OF SHELF. CONSULT WITH INTERIOR DECORATOR'S DETAILS AND COORDINATE INSTALLATION. COFFEE BAR, COMMUNITY RM
LF2	LED 3000K/90CRI 5040LM 56W	KUZCO (OR APROVED OTHER)	EEREIE PD19347 SERIES	TYPE :LINEAR PENDANT MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :OPAL SILICON VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING/ELV)	FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR MAIL ROOMS
LF3		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF4	LED 3000K 850LM/90CRI 9W	USAI LIGHTING (OR APROVED OTHER)	B3RDM SERIES	TYPE :3" DIA DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	45 DEGREE BEAM SPREAD PROVIDE WITH USAI POWER SUPPLY BLACK BEVEL TRIM & MILLWORK FLANGE IC RATED BLDG A COFFEE BAR
LF5	(8) JCD/G9 LED 3000K/80CRI 24W	ARTCRAFT LIGHTING (OR APROVED OTHER)	AC11188 SERIES	TYPE :LARGE PENDANT MOUNTING :SUSPENDED HOUSING : LENS/REFL : VOLTAGE :120V BALLAST :LED DRIVER (0/10 DIMMING)	FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR BLDG B LOBBY
LF6	(1) LED LAMP (MED. BASE) 3000K/80CRI 15W	CREATIVE SYSTEMS LTG (OR APROVED OTHER)	LP2102730 SERIES	TYPE :MINI PENDANT MOUNTING :SUSPENDED HOUSING :UNKNOWN LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK PATINE FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR. BLDG B LOUNGE
LF7	(1) G9 LED 3000K 220LM/80CRI 4W	ANDLight (OR APROVED OTHER)	ORB-P SERIES	TYPE :PENDANT MOUNTING :SUSPENDED HOUSING :STEEL WIRE LENS/REFL :ETCHED GLASS VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR RESTROOM
LF8	(3) LED LAMPS (MED. BASE) 3000K/80CRI 225W	TROY LIGHTING (OR APROVED OTHER)	HENDRIX F6886 SERIES	TYPE :CHANDELIER MOUNTING :SUSPENDED HOUSING :UNKNOWN LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK IRON FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR BLDG A CLUBROOM
LF9	(1) GU10 LED 3000K/80CRI 9W	RESTORATION HARDWARE (OR APROVED OTHER)	ORBITER II 68830997 SERIES	TYPE :SCONCE MOUNTING :SURFACE HOUSING :UNKNOWN LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BRONZE FINISH PER MOUNTING HEIGHT PER INTERIOR DECORATOR BLDG A CLUBROOM
LF10		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF11	LED 3000K/90CRI 780LM 13W	KUZCO LIGHTING (OR APROVED OTHER)	WS83218 SERIES	TYPE :SCONCE MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :OPAL GLASS VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	VERIFY ADA COMPLIANT BLACK FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR TYPICAL UNIT ENTRY
LF12	LED 3000K/80CRI 500LM/FT 9.4W/FT	NULITE (OR APROVED OTHER)	RP14-B-FF SERIES	TYPE :8FT DIRECT/INDIRECT LINEAR MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	60% DOWN-40% UP DISTRIBUTION MOUNT AT 10FT AFF TO BOTTOM OF FIXTURE. STANDARD WHITE FINISH BIKE ROOMS BLDG B FITNESS ROOM
LF13		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF14	LED 3000K/80CRI 1300LM 16W	KUZCO (OR APROVED OTHER)	FM11410 SERIES	TYPE :9" DIA DOWNLIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYYLIC VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING/ELV)	BLACK FINISH PER INTERIOR DECORATOR BLDG A WOOD CEILINGS
LF15		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF16	(1) G9 LED (WEDGE BASE) 3000K/80CRI 13W	HUDSON VALLEY LIGHTING (OR APROVED OTHER)	8701-AGB SERIES	TYPE :WALL SCONCE MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	FINISH PER INTERIOR DECORATOR. MOUNTING HEIGHT PER INTERIOR DECORATOR. BLDG A LOBBY, CLUB RM/BLDG B LOBBY

PRELIMINARY

GENERAL NOTES:

A. ALL LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPING AND BALLASTS.

B. LIGHT FIXTURES FOR LIVING UNITS SHALL BE "ENERGY STAR" RATED.

C. EXTERIOR LIGHT FIXTURES SHALL BE "NIGHT SKY" FRIENDLY.

D. VERIFY ALL FIXTURE FINISHES WITH ARCHITECT PRIOR TO BID.

E. VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO BID.

F. VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN.

G. ALL INTERIOR LIGHTING SHALL BE 3000 KELVIN UNLESS OTHERWISE NOTED.

H. ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.

I. CONTRACTOR SHALL CONSULT MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL FIXTURES AND DEVICES AND INSTALL AS INSTRUCTED. THIS INCLUDES PROVIDING ALL ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION. WORK SHALL BE PERFORMED SUCH THAT MANUFACTURER WARRANTY IS NOT VOIDED.

J. THE ELECTRICAL CONTRACTOR SHALL CONSULT THE INTERIOR DESIGN PLAN SET FOR ALL FINISHES, MOUNTING HEIGHTS AND OTHER INSTALLATION REQUIREMENTS REGARDING THE "LF" SERIES LIGHT FIXTURES LISTED IN THE "DECORATIVE" FIXTURE SCHEDULE ON THIS SHEET.

K. IF NECESSARY, CONTRACTOR SHALL PROVIDE IC RATED BOXES FOR ANY APPROVED, SUBSTITUTED FIXTURES NOT MEETING INSULATED CEILING REQUIREMENTS.

L. BUILDING MOUNTED EXTERIOR WALL SCONCES TO BE CONTROLLED VIA PHOTOCELL AND BE PROVIDED WITH A TIME CLOCK TO REDUCE LIGHT OUTPUT BY 30% DURING LATE NIGHT (TO REDUCE REFLECTANCE INTO TENANT LIVING UNITS). FIXTURES DESIGNATED TO BE EGRESS SHALL BE BE WIRED, VIA EMERGENCY POWER SYSTEM, SUCH THAT IN THE EVENT OF A POWER OUTAGE, THE LIGHTS AUTOMATICALLY RETURN TO FULL OUTPUT. TIME CLOCK SETTINGS TO BE DETERMINED BY THE OWNER.

⬡ KEYED LIGHTING NOTES:

1. STAIRWELL AND BOH CORRIDOR LIGHT FIXTURES TO BE EQUIPPED WITH FACTORY INSTALLED (OR REMOTE) OCCUPANCY SENSORS FOR MIN. 50% LIGHT REDUCTION DURING PERIODS OF NO ACTIVITY.
2. CONTRACTOR TO PROVIDE SINGLE POLE DIMMER SWITCHES AS INDICATED ON SHEETS E4.01-E4.03. DIMMER SWITCHES SHALL MATCH THE DECORATOR TYPE ROCKER SWITCH SPECIFIED IN THE TYPICAL UNIT LIGHTING PLANS OR AS DIRECTED BY THE OWNER. DIMMER SWITCHES SHALL BE COMPATIBLE WITH THE LED LIGHT FIXTURES AND SHALL BE FULLY ADJUSTABLE. CONTRACTOR SHALL FIELD ADJUST TO REDUCE ANY MOMENTARY FLASH DURING START UP.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE FIXTURE CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
4. BOLLARD LIGHTS ALONG THE BUILDING WALKWAYS SHALL BE INSTALLED SUCH THAT ANY PROJECTION FACES AWAY FROM THE BUILDING.

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SHEET:
E1.21

LIGHTING FIXTURE LIST – GARAGE, SITE & EXTERIOR

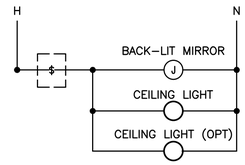
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
G1	LED 3000K 8000LM 100W	DAYBRITE (OR APROVED OTHER)	FSX-8 SERIES	TYPE :8FT LINEAR STRIP MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :FROSTED POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	PROVIDE WITH 50% DIMMING DURING PERIODS OF LOW ACTIVITY GARAGE, BIKE STORAGE
G2	LED 3000K 2450LM 22W	GARDCO LIGHTING (OR APROVED OTHER)	PWS SERIES	TYPE :EXTERIOR WALL PACK MOUNTING :SURFACE (+8'-0") HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III DISTRIBUTION BUILDING SERVICE ENTRANCES
S1 (4)	LED 3000K 1000LM 12W	KUZCO LIGHTING (OR APROVED OTHER)	EB3036 SERIES	TYPE :36" BOLLARD LIGHT MOUNTING :AT GRADE HOUSING :ALUMINUM LENS/REFL :TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	PROVIDE WITH PHOTOCELL, EITHER INTAGRAL OR REMOTE. TYPE II DISTRIBUTION. MOUNT PER MFR'S REQUIREMENTS UL LISTED WET LOCATION/VERIFY ADA BUILDING WALKWAYS
S2	LED 3000K 5500LM 51W	LITHONIA LIGHTING (OR APROVED OTHER)	RSX1 LED P1 SERIES	TYPE :AREA LIGHT (SINGLE/TWIN HEAD) MOUNTING :POLE MOUNT (+20'-0") HOUSING : LENS/REFL : VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III MEDIUM DISTRIBUTION INTEGRAL PHOTOCELL PARKING AREA
S3	LED 3000K 650LM 11W	LUMENART LIGHTING (OR APROVED OTHER)	AWL18 SERIES	TYPE :EXTERIOR SCONCE MOUNTING :SURFACE (+8'-0" AFG) HOUSING :ALUMINUM LENS/REFL :TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	20 DEGREE BEAM ANGLE. FIXTURE SHALL BE DOWNLIGHT ONLY. FIXTURES LOCATED AT ROOF TERRACE MOUNT AT 7'-0" AFF. BLACK OR BRONZE FINISH PER ARCHITECT BUILDING EXTERIOR
S4	LED 3000K 1000LM 14W	COOPER LIGHTING (OR APROVED OTHER)	SMD6R SERIES	TYPE :6" DIA. DOWNLIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	WHITE FINISH UL LISTED WET LOCATION BUILDING EXTERIOR
S5	LED 3000K 1550LM 11W	LITHONIA LIGHTING (OR APPROVED OTHER)	WPX1-P1 SERIES	TYPE :EXTERIOR WALL PACK MOUNTING :SURFACE (ABOVE DOOR) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	PROVIDE W/EMERGENCY BATTERY BACKUP PHOTOCELL FOR DUSK-TILL-DAWN OPERATION BUILDING ENTRANCE

LIGHTING FIXTURE LIST – TYPICAL LIVING UNITS

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
U1 (2)	LED 600 LM 3000K 10W	COOPER LIGHTING (OR APPROVED OTHER)	SMD4 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	FINISH PER ARCHITECT UNIT KITCHEN
U2	LED 750 LUMEN 3000K (18W)	KUZCO LIGHTING (OR APPROVED OTHER)	FM3511 SERIES	TYPE :11" DIA. CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER	FINISH DINING
U3	LED 3000K 200LM 5W	COOPER LIGHTING (OR APROVED OTHER)	HU119D9SP SERIES	TYPE :UNDER CABINET LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :24V BALLAST :LED DRIVER	FINISH UNIT KITCHEN
U4 (2) (3)	LED 1200LM/90CRI 3000K 35W	ROYAL PACIFIC (OR APROVED OTHER)	1097 SERIES	TYPE :52" CEILING FAN W/ LIGHT KIT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LAMP W/INTEGRAL LED DRIVER	WHITE FINISH PROVIDE BRACING AT CEILING TO SUPPORT A MINIMUM OF 35 LBS. PROVIDE W/ MODEL #WC2WH CONTROL SWITCH UNIT BEDROOM
U5	LED 2400LM 3000K 29W	KUZCO LIGHTING (OR APPROVED OTHER)	VL61224 SERIES	TYPE :24" VANITY LIGHT MOUNTING :SURFACE (+6" ABOVE MIRROR) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :INTEGRAL LED DRIVER	REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION/MOUNTING HEIGHT. FINISH PER ARCHITECT. UNIT BATHROOM

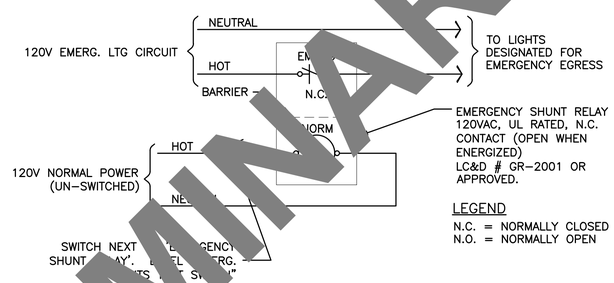
LIGHTING NOTES:

A. REFER TO SHEET E1.21 FOR ADDITIONAL LIGHTING AND KEYED NOTES.



BATHROOM WITH CEILING LIGHT(S) & BACK-LIT MIRROR

1 / E1.22 BATHROOM SWITCHING DIAGRAMS – T
NO SCALE



2 / 22 EMERGENCY EGRESS LIGHTING – UNSWITCHED
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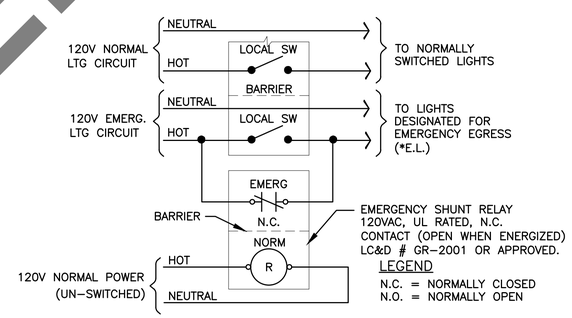

3 / E1.22 EMERGENCY EGRESS LIGHTING – SWITCHED
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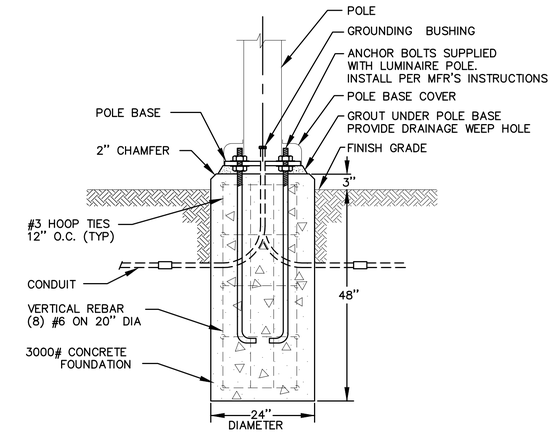

4 / E1.22 TYPICAL POLE BASE DETAIL
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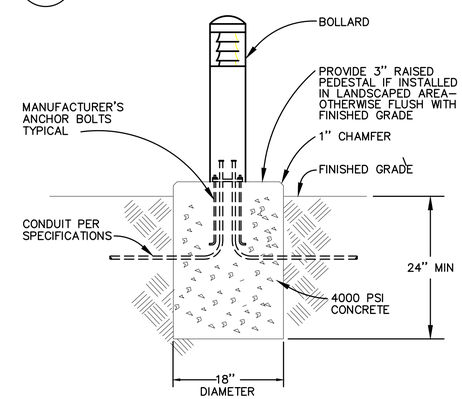

5 / E1.22 TYPICAL BOLLARD LIGHT BASE DETAIL
NO SCALE

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SHEET:
E1.22

$_{Da}$ DIMMER SWITCH 'a': LOBBY & CORRIDOR C3 FIXTURES–NORMAL POWER CIRCUIT. CONTROL VIA TIMECLOCK. ON 6AM – 10PM.

$_{Db}$ DIMMER SWITCH 'b': LOBBY & CORRIDOR C1 & C3 FIXTURES–EMERG POWER CIRCUIT (REFER TO WIRING DETAIL 4, SHEET E1.22.). FIXTURES TO BE CONSTANT "ON" FOR NIGHT LIGHTING.

$_{Dc}$ DIMMER SWITCH 'c': EAST LOBBY LF14 FIXTURES. CONTROL VIA TIMECLOCK. ON 6AM – 10PM.

$_{Dd}$ DIMMER SWITCH 'd': MAIL ROOM LF2 FIXTURES. FIXTURES TO BE CONSTANT "ON".

$_{De}$ DIMMER SWITCH 'e': EAST LOBBY ACCENT LIGHTS C1a, C1B, LF4, LF16 & FIXTURES MENTIONED IN SHEET NOTES #9 & #12 IN SHEET E2.01. FIXTURES TO BE CONSTANT "ON".

$_{Df}$ DIMMER SWITCH 'f': WEST LOBBY ACCENT LIGHTS C5. FIXTURES TO BE CONSTANT "ON".

1 / E1.23 BUILDING A – FIRST FLOOR LOBBY & CORRIDOR LIGHTING CONTROLS

NO SCALE

NOTES:
1. SWITCHES LOCATED IN FIRST FLOOR MAINTENANCE ROOM #192a.
2. BACK OF HOUSE CORRIDORS #191 & #194 TO BE CONSTANT "ON", WITH THE FIXTURES ON NORMAL POWER CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR TO REDUCE LIGHT LEVELS DURING PERIODS OF LOW ACTIVITY. SENSORS SHALL BE SET TO TURN OFF LIGHTS A MINIMUM OF 30 MINUTES UPON VACANCY OF THE SPACE.

$_{Da}$ DIMMER SWITCH 'a': ELEVATOR LOBBY & CORRIDOR C3 LIGHTS–EMERG POWER CIRCUIT (REFER TO WIRING DETAIL 4, SHEET E1.22.). FIXTURES TO BE CONSTANT "ON" FOR NIGHT LIGHTING.

$_{Db}$ DIMMER SWITCH 'b': ELEVATOR LOBBY & CORRIDOR C3 LIGHTS–NORMAL POWER CIRCUIT. FIXTURES TO BE CONSTANT "ON"

4 / E1.23 BUILDING A – SIXTH FLOOR LIGHTING CONTROLS

NO SCALE

NOTES:
1. SWITCHES LOCATED IN STORAGE ROOM #602.

$_{Da}$ DIMMER SWITCH 'a': CORRIDOR C3 LIGHTS–EMERG POWER CIRCUIT, REFER TO WIRING DETAIL 4, SHEET E1.22. FIXTURES TO BE CONSTANT "ON".

$_{Db}$ DIMMER SWITCH 'b': ELEVATOR LOBBY LF14 LIGHTS–EMERG POWER CIRCUIT, REFER TO WIRING DETAIL 4, SHEET E1.22. FIXTURES TO BE CONSTANT "ON".

$_{c}$ NON–DIMMING SWITCH 'c': UNIT ENTRY LIGHTS–CONSTANT "ON".

$_{Dd}$ DIMMER SWITCH 'd': CORRIDOR C5 ACCENT LIGHTS–CONSTANT "ON".

$_{De}$ DIMMER SWITCH 'd': ELEVATOR C5 ACCENT LIGHTS–CONSTANT "ON".

$_{Df}$ DIMMER SWITCH 'f': CORRIDOR C3 LIGHTS–NORMAL POWER CIRCUIT, REFER TO WIRING DETAIL 4, SHEET E1.22. FIXTURES TO BE CONSTANT "

2 / E1.23 TYPICAL RESIDENTIAL FLOOR LIGHTING CONTROLS

TYPICAL FOR BUILDINGS A & B

NOTES:
1. SWITCHES LOCATED IN THE MAINTENANCE CLOSET [illegible]CH FLOOR.

$_{Da}$ DIMMER SWITCH 'a': LOBBY & C[illegible]OR C3 [illegible]ES–NORMAL POWER CIRCUIT. CONTRO[illegible]A TIME[illegible] ON 6[illegible]10PM.

$_{Db}$ DIMMER SWITCH 'b': L[illegible]ORRIDO[illegible]C3 & LF2 FIXTURES–EMERG POWE[illegible]REFER [illegible]ING DETAIL 4, SHEET E1.22.). FIXTU[illegible]S TO BE [illegible]ON" FO[illegible]NIGHT LIGHTING.

$_{Dc}$ DIMMER SW[illegible]BBY [illegible]LF5 [illegible]4 FIXTURES. (DIM ONLY. INTENT IS TO SE[illegible] LIGH[illegible]ON.)

$_{Dd}$ DIM[illegible]ITCH [illegible]BBY C[illegible] FIXTURES. (DIM ONLY. INTENT IS TO SET LIGHT [illegible] AND LE[illegible]ON.)

$_{De}$ DIMMER SW[illegible]e': MA[illegible]OM LF2 FIXTURES. FIXTURES TO [illegible]NSTANT "ON".

5 / [illegible] BU[illegible]DIN[illegible] B – FIRST FLOOR LIGH[illegible]NG CONTROLS

NO SC[illegible]E

$_{3a}$ [illegible]N–DIMMING SWITCH 'a': KITCHEN LIGHTS, OTHER THAN THOSE [illegible]ED TO BE ON EGRESS POWER. PROVIDE ONE 3–WAY SWITCH [illegible]NTRY DOOR AND ONE IN THE KITCHEN AREA.

$_{Db}$ [illegible] SWITCH 'b': WALL SCONCES (LF9 & LF16), LARGE PEN[illegible] (LF8), & ADJUSTABLE DOWNLIGHTS (C5).

$_{Dc}$ DIMMER SWITCH 'c': CEILING LIGHTS (C3 & LF14).

[illegible] / E1.23 BUILDING A – FIFTH FLOOR CLUBROOM LIGHTING CONTROLS

NO SCALE

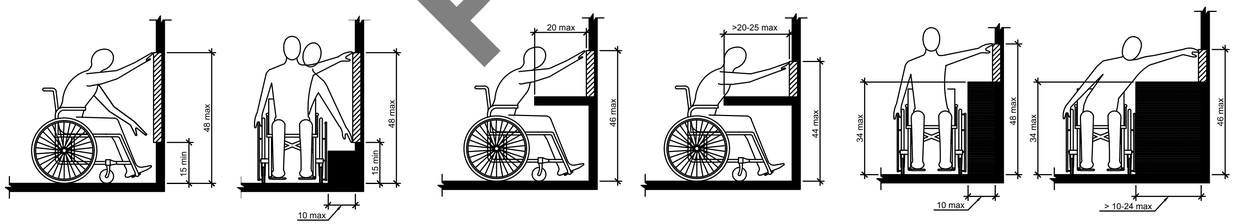

Figure 308.2.1
Unobstructed Forward Reach

Figure 308.3.1
Unobstructed Side Reach

Figure 308.2.2
Obstructed High Forward Reach

Figure 308.3.2
Obstructed High Side Reach

6 / E1.23 ADA REACH REQUIREMENTS

NO SCALE

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the floor or ground.

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor or ground space shall extend beneath the element for a distance not less thank the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum.

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48" maximum and the low side reach shall be 15" minimum above the floor or ground.

Exception: Existing elements shall be permitted at 54" maximum above the floor or ground.

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an object and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall 24" maximum. The high side reach shall be 48" maximum for a reach depth of 10" maximum. Where the reach depth exceeds 10", the high side reach shall be 46" maximum for a reach depth of 24" maximum.

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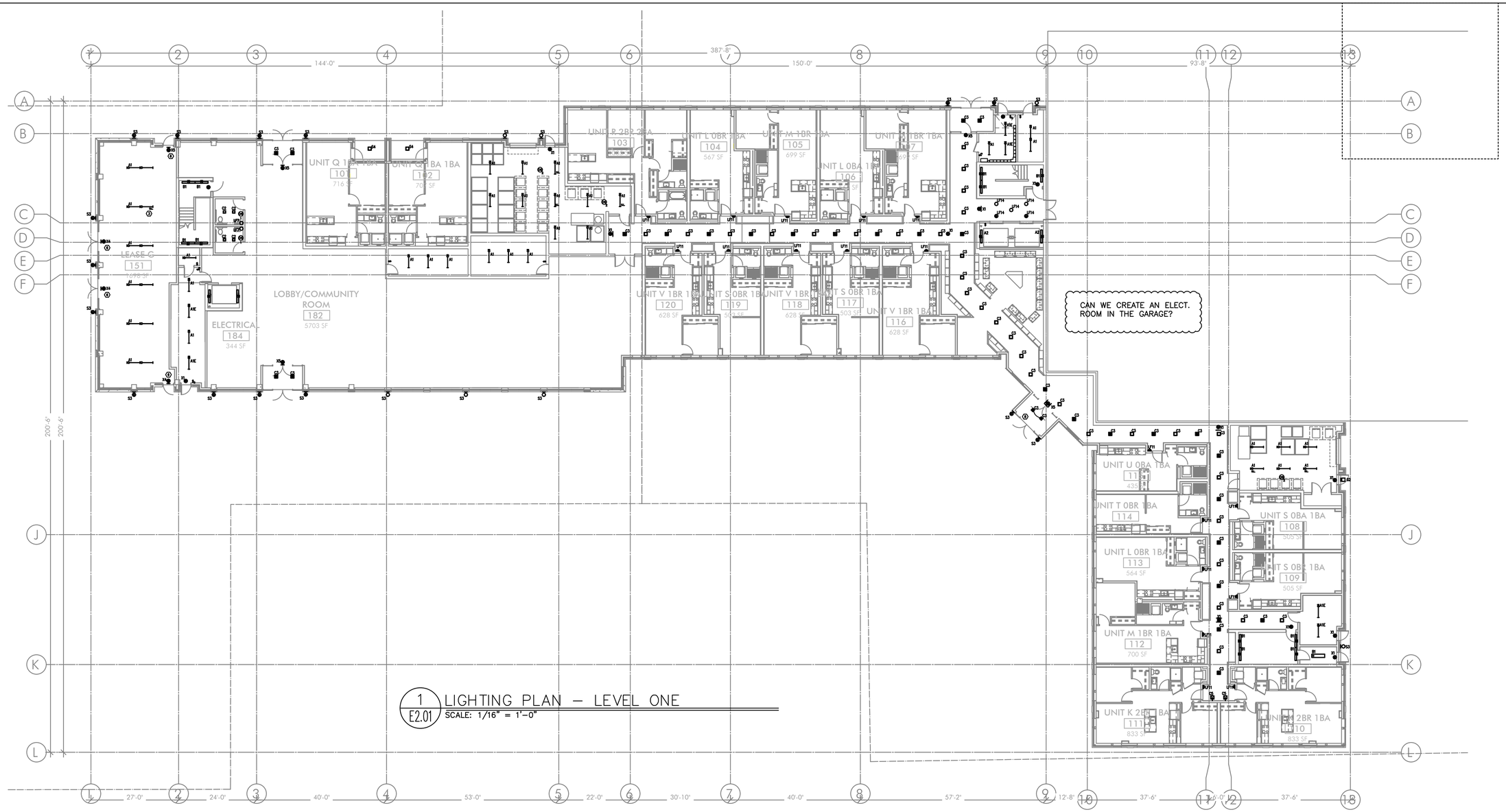
SHEET:
E1.23



1 / E2.01 LIGHTING PLAN – LEVEL ONE
SCALE: 1/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.

D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.

H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI–BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

⬡ KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK–TILL–DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21–E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK–TILL–DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
10. PROVIDE PHOTOCELL FOR DAY–LIGHT REDUCTION OF LIGHT LEVELS.
11. PROVIDE LIGHT FIXTURE(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND FIELD AIM.
12. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH–IN AND POWER CONNECTION(S) AS REQUIRED.
13. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.

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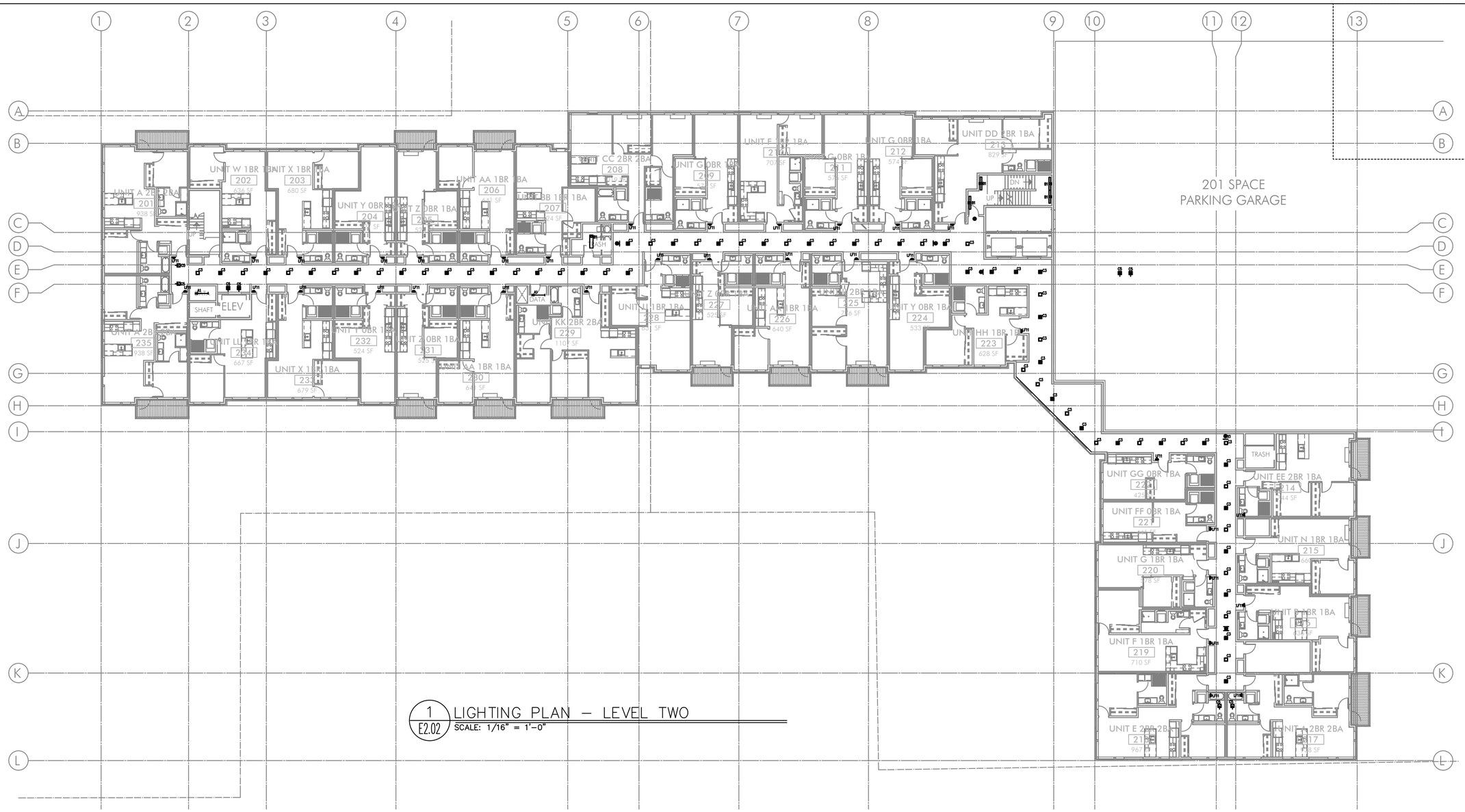
SHEET:
E2.01



1 / E2.02 LIGHTING PLAN – LEVEL TWO
SCALE: 1/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.

D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.

H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
10. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
11. PROVIDE LIGHT FIXTURE(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND FIELD AIM.
12. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
13. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.

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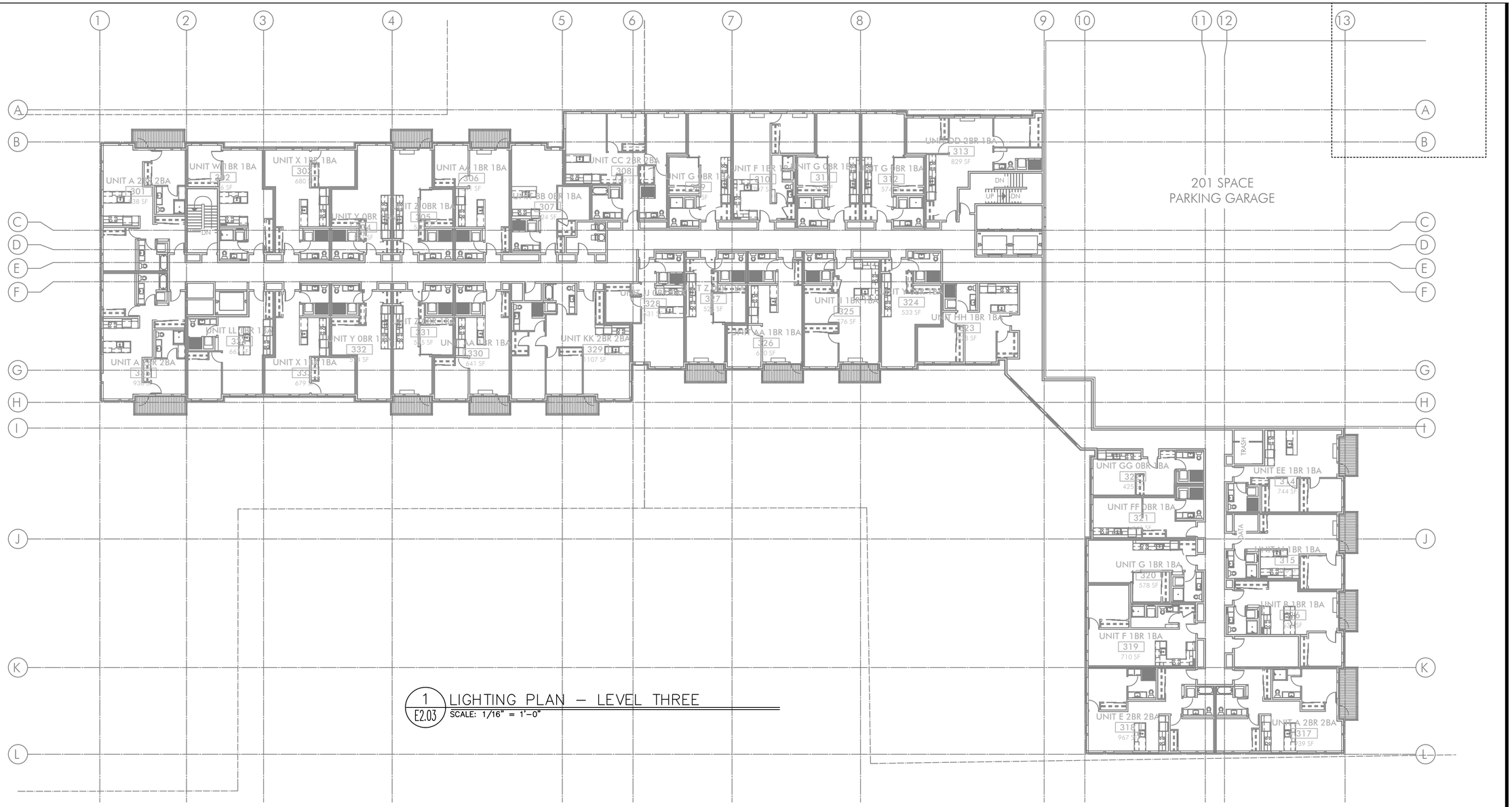
SHEET:
E2.02



1 / E2.03 LIGHTING PLAN – LEVEL THREE
SCALE: 1/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.

D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.

H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
10. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
11. PROVIDE LIGHT FIXTURE(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND FIELD AIM.
12. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
13. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.

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PROJECT # 2017-053
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REVISIONS

AEGIS - PHASE II
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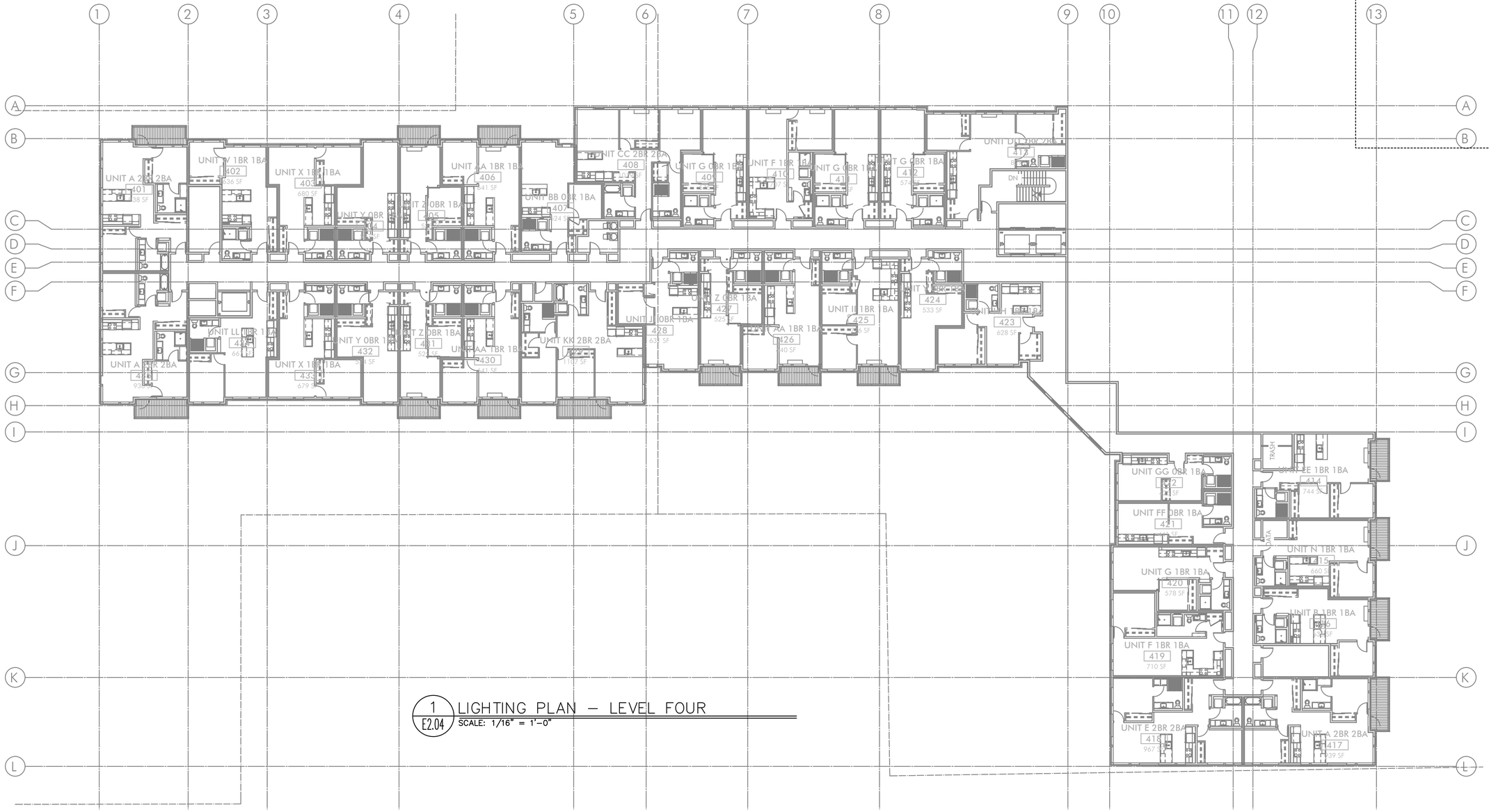
E2.03



1 E2.04 LIGHTING PLAN – LEVEL FOUR

SCALE: 1/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.

D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.

H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK–TILL–DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21–E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK–TILL–DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
10. PROVIDE PHOTOCELL FOR DAY–LIGHT REDUCTION OF LIGHT LEVELS.
11. PROVIDE LIGHT FIXTURE(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND FIELD AIM.
12. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH–IN AND POWER CONNECTION(S) AS REQUIRED.
13. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.

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AEGIS - PHASE II MIXED-USE DEVELOPMENT

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SHEET:

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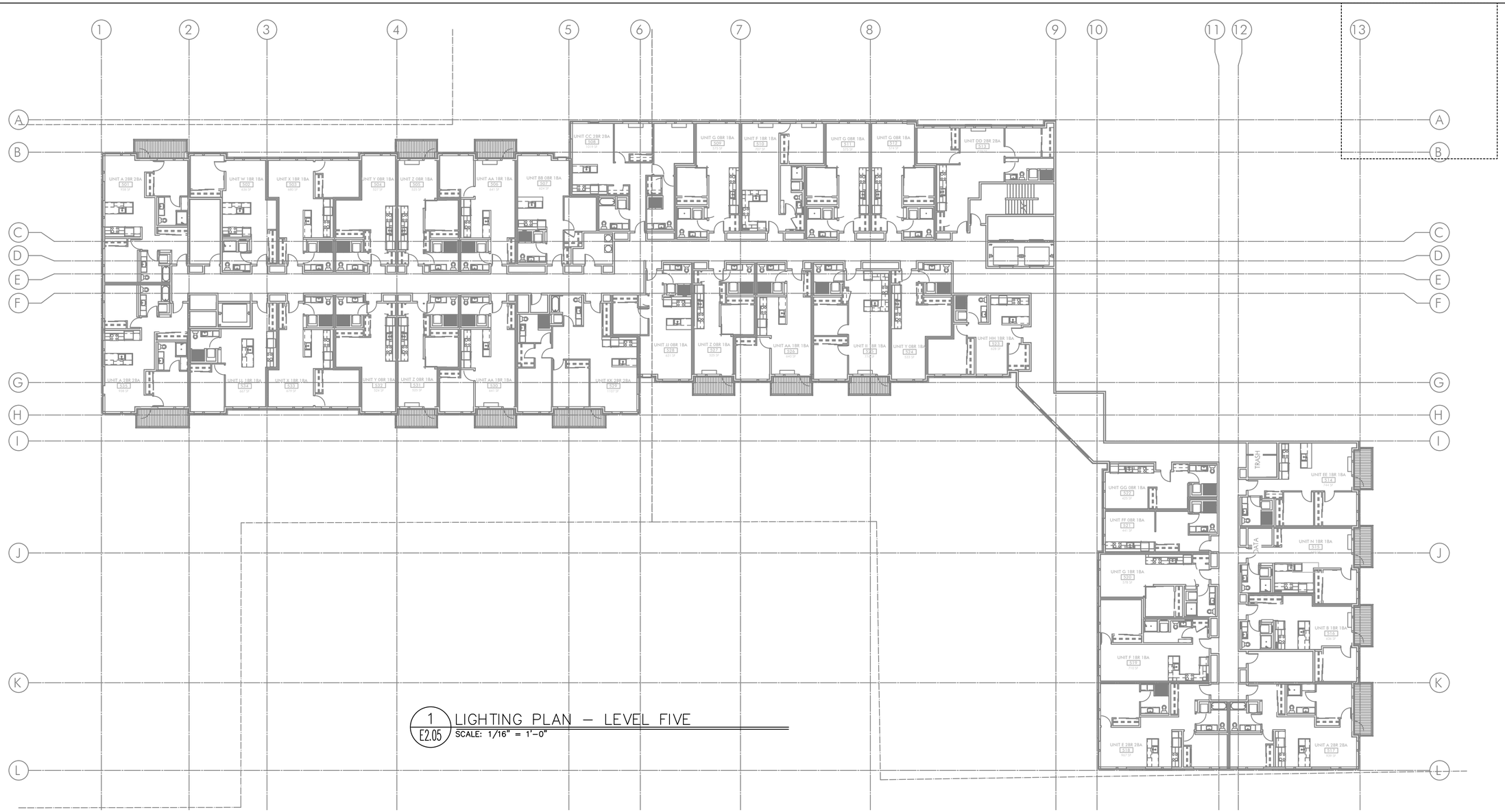

1 E2.05 LIGHTING PLAN – LEVEL FIVE

SCALE: 1/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.

D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.

H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK–TILL–DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21–E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK–TILL–DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
10. PROVIDE PHOTOCELL FOR DAY–LIGHT REDUCTION OF LIGHT LEVELS.
11. PROVIDE LIGHT FIXTURE(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND FIELD AIM.
12. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH–IN AND POWER CONNECTION(S) AS REQUIRED.
13. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.

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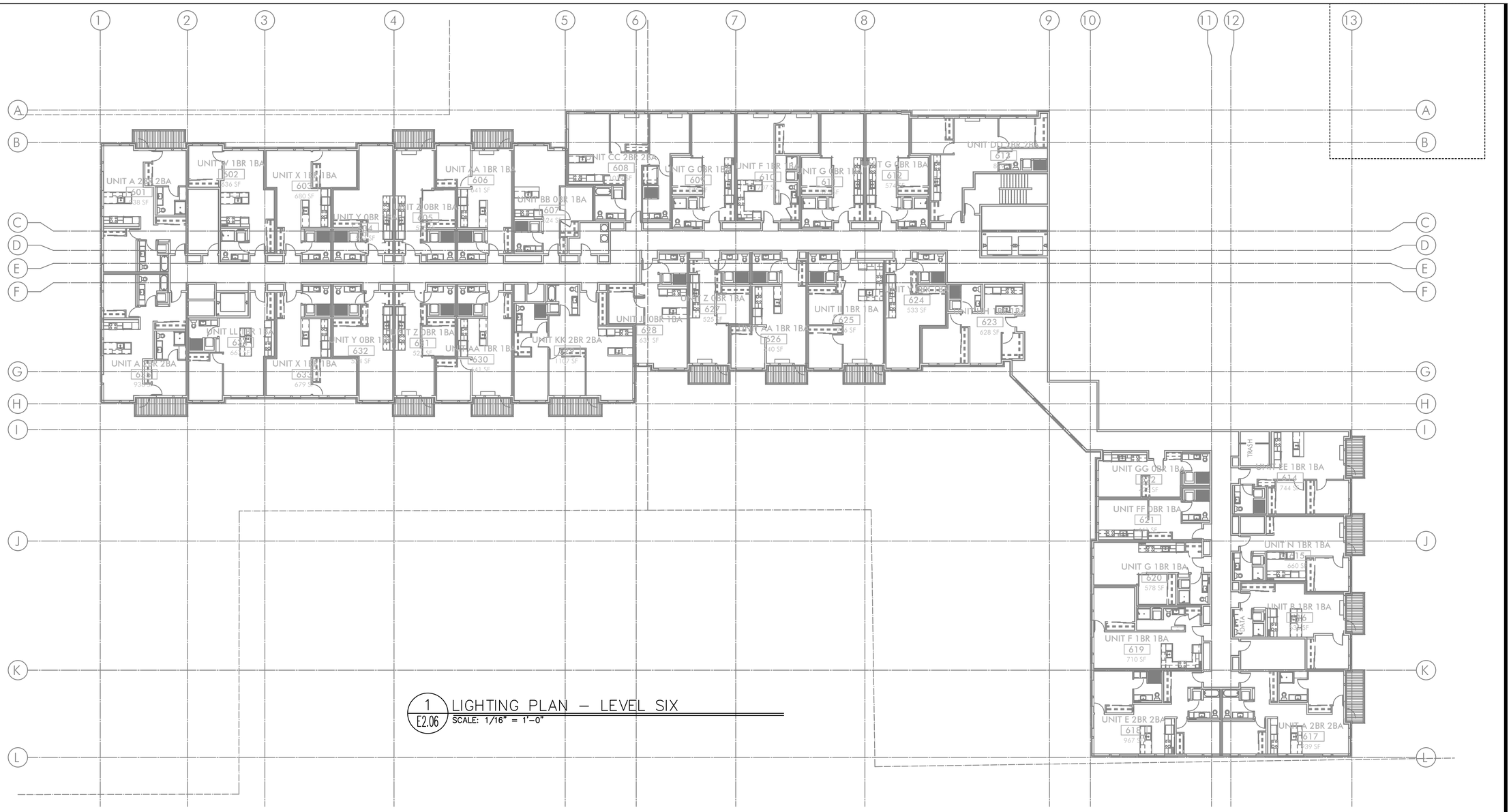

1 / E2.06 LIGHTING PLAN – LEVEL SIX

SCALE: 1/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.

D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.

H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

⬡ KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
10. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
11. PROVIDE LIGHT FIXTURE(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND FIELD AIM.
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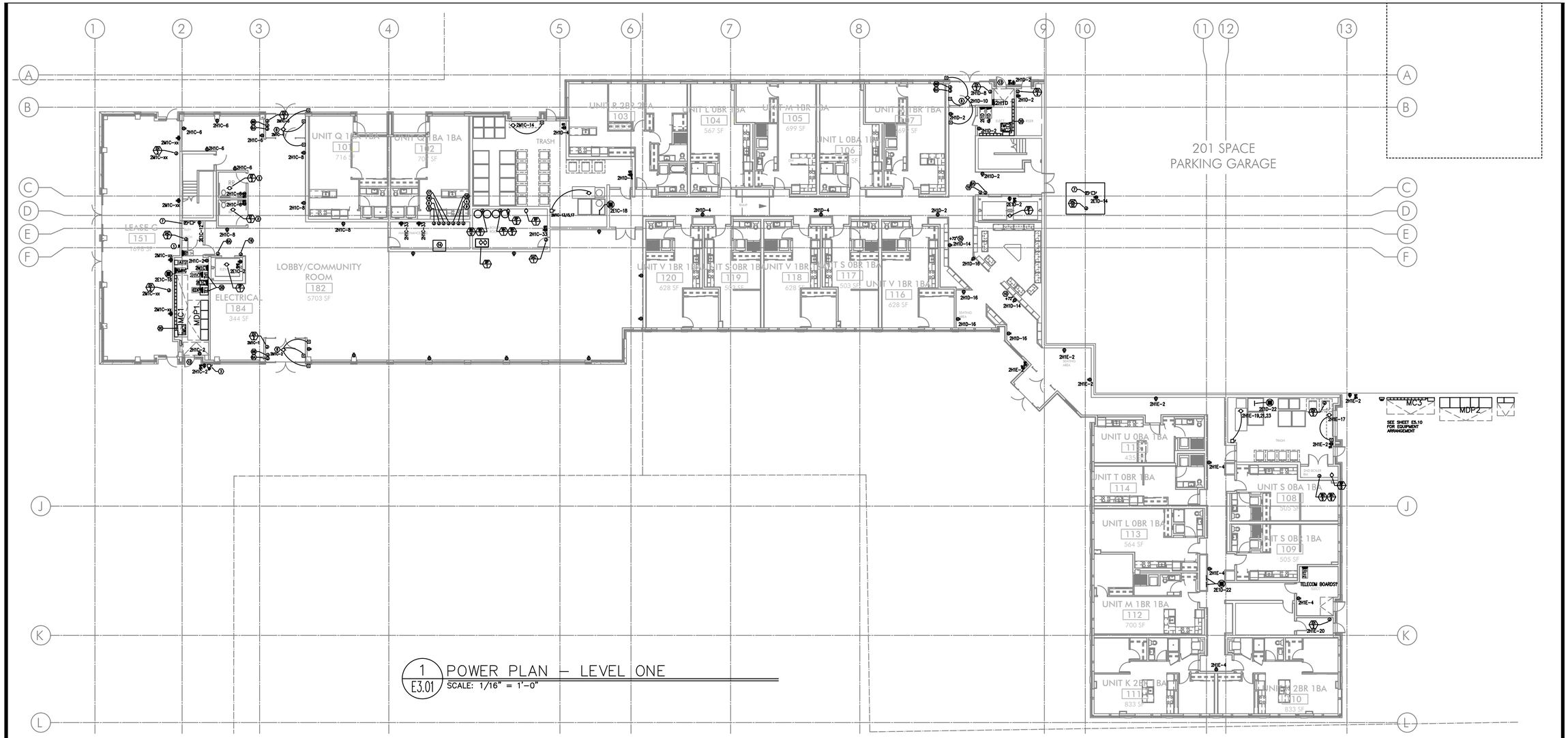

1 / E3.01 POWER PLAN – LEVEL ONE
SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

F. ELECTRICAL EQUIPMENT SHOWN IN THE ELECTRICAL ROOMS IS APPROXIMATE, BASED ON TYPICAL PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

G. CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE AND DEVICE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, COMMUNITY ROOM, ETC.

H. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM '2M1C' UNDER SLAB AND STUB-UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL 2E1C.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2H1C' FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
   - 6A. ENTRY ACCESS POINT.
   - 6B. APARTMENT CALL DIRECTORY.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2M1C' FOR AUTOMATIC DOOR OPENERS.
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2H1C' FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2H1C. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
12. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.
13. ELECTRICAL SERVICE METER ROOMS SHALL HAVE OUTWARD SWING DOORS EQUIPPED WITH PANIC HARDWARE. PROVIDE A KEY BOX AT THE EXTERIOR FOR CLARK PUBLIC UTILITIES 24/7 ACCESS.
14. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL '2H1C'.
15. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANELS FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTMOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.
16. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2H1C FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
17. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2H1C FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2E1C FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
19. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL 2E1C.
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20. DRY-TYPE STEP DOWN TRANSFORMERS TO BE MOUNTED ON WALL ABOVE PANELS ON UNI-STRUT STRUCTURES. THE UNI-STRUT STRUCTURES SHALL BE FABRICATED BY OTHERS AND DESIGNED TO SUPPORT THE WEIGHT AND SEISMIC REQUIREMENTS OF THE TRANSFORMERS. REFER TO SHEET E1.11 FOR TRANSFORMER KVA SIZE.
22. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
23. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
24. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. CIRCUIT FROM PANEL 'H1'.
26. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND PREFERRED LOCATION PRIOR TO ROUGH IN.

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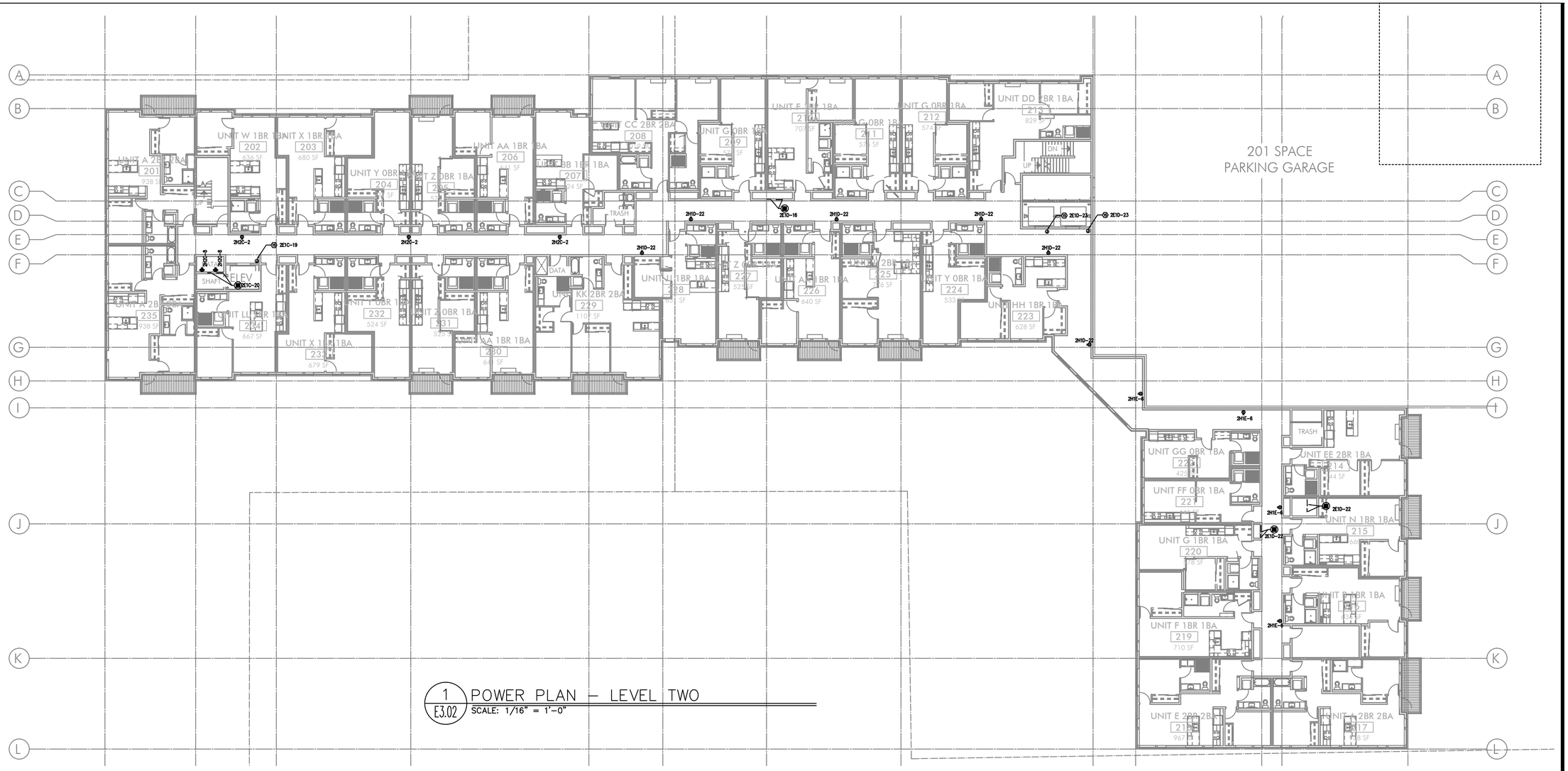

1 E3.02 POWER PLAN – LEVEL TWO
SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

F. ELECTRICAL EQUIPMENT SHOWN IN THE ELECTRICAL ROOMS IS APPROXIMATE, BASED ON TYPICAL PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

G. CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE AND DEVICE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, COMMUNITY ROOM, ETC.

H. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM '2M1C' UNDER SLAB AND STUB-UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL 2E1C.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2H1C' FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
   - 6A. ENTRY ACCESS POINT.
   - 6B. APARTMENT CALL DIRECTORY.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2M1C' FOR AUTOMATIC DOOR OPENERS.
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2H1C' FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2H1C. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
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23. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
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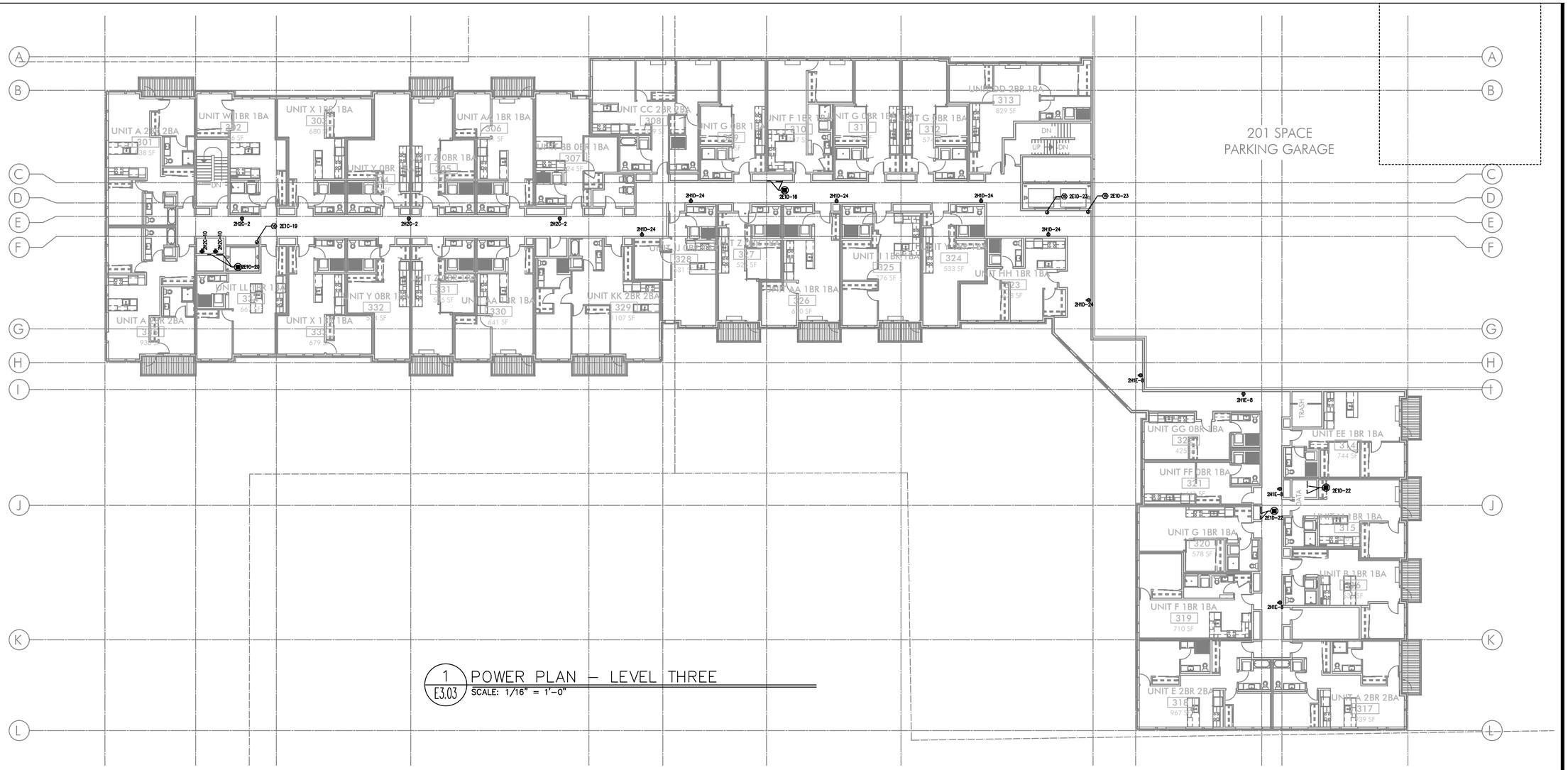

1 E3.03 POWER PLAN – LEVEL THREE
SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

F. ELECTRICAL EQUIPMENT SHOWN IN THE ELECTRICAL ROOMS IS APPROXIMATE, BASED ON TYPICAL PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

G. CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE AND DEVICE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, COMMUNITY ROOM, ETC.

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KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM '2M1C' UNDER SLAB AND STUB–UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE–LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL 2E1C.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
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   - 6A. ENTRY ACCESS POINT.
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7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2M1C' FOR AUTOMATIC DOOR OPENERS.
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2H1C' FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
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19. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL 2E1C.
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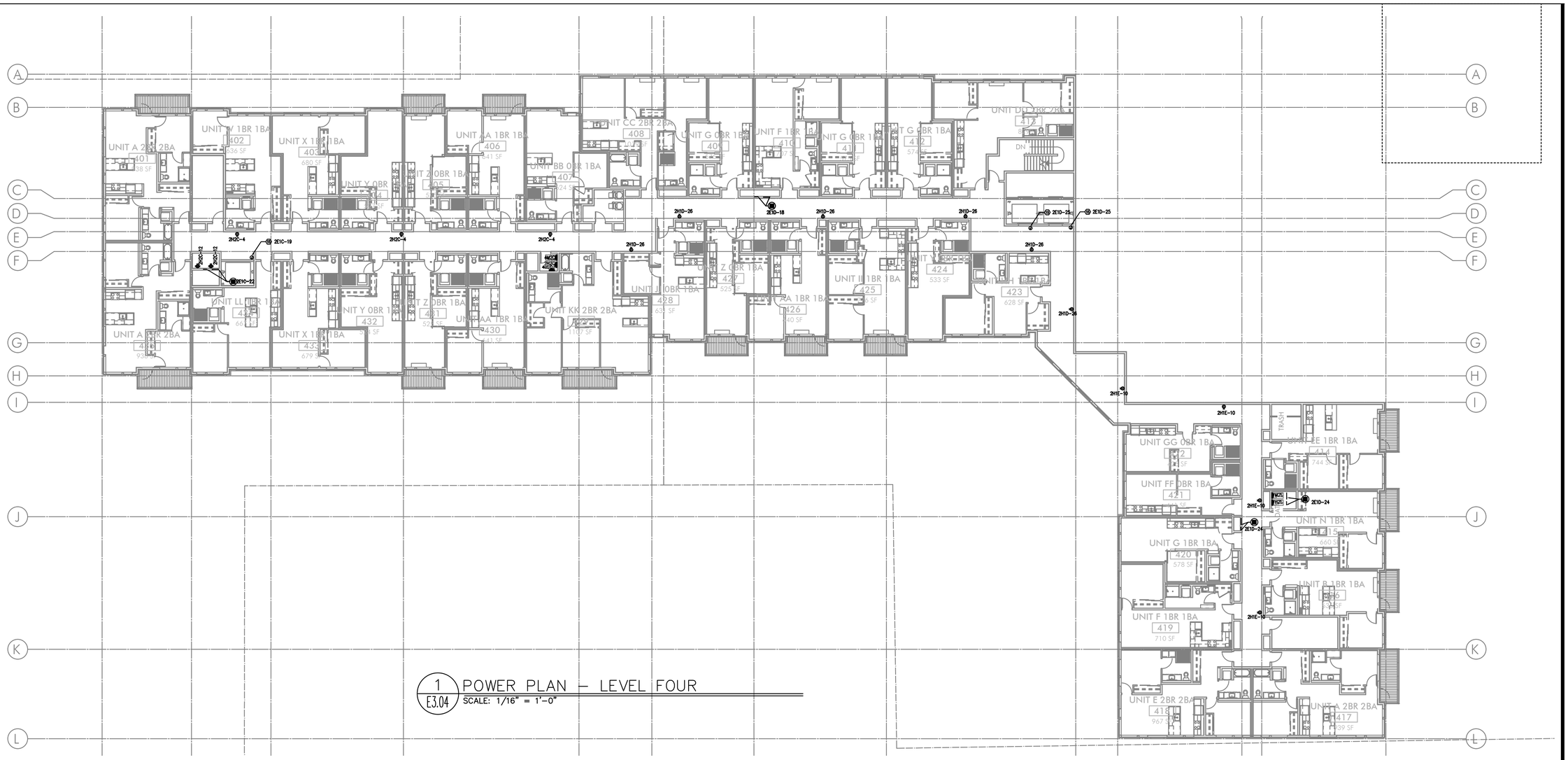

1 E3.04 POWER PLAN – LEVEL FOUR

SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

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E. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

F. ELECTRICAL EQUIPMENT SHOWN IN THE ELECTRICAL ROOMS IS APPROXIMATE, BASED ON TYPICAL PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

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KEYED NOTES:

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2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
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26. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND PREFERRED LOCATION PRIOR TO ROUGH IN.

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PROJECT # 2017-053
DATE: 11/19/2021

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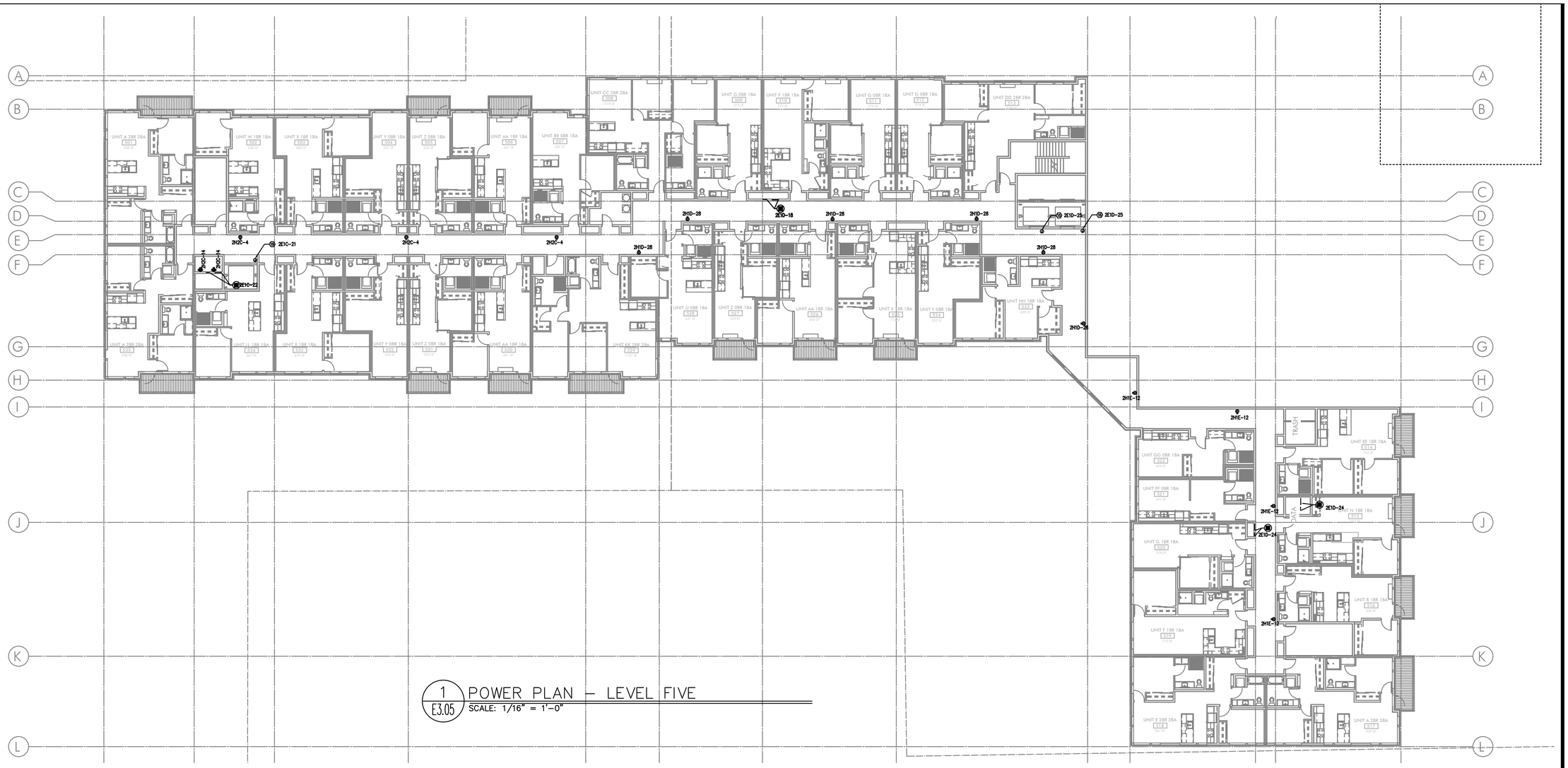
AEGIS - PHASE II
MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:

E3.04



1 E3.05 POWER PLAN – LEVEL FIVE

SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

F. ELECTRICAL EQUIPMENT SHOWN IN THE ELECTRICAL ROOMS IS APPROXIMATE, BASED ON TYPICAL PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

G. CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE AND DEVICE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, COMMUNITY ROOM, ETC.

H. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM '2M1C' UNDER SLAB AND STUB-UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL 2E1C.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2H1C' FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
   - 6A. ENTRY ACCESS POINT.
   - 6B. APARTMENT CALL DIRECTORY.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2M1C' FOR AUTOMATIC DOOR OPENERS.
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL '2H1C' FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2H1C. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
12. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.
13. ELECTRICAL SERVICE METER ROOMS SHALL HAVE OUTWARD SWING DOORS EQUIPPED WITH PANIC HARDWARE. PROVIDE A KEY BOX AT THE EXTERIOR FOR CLARK PUBLIC UTILITIES 24/7 ACCESS.
14. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL '2H1C'.
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22. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
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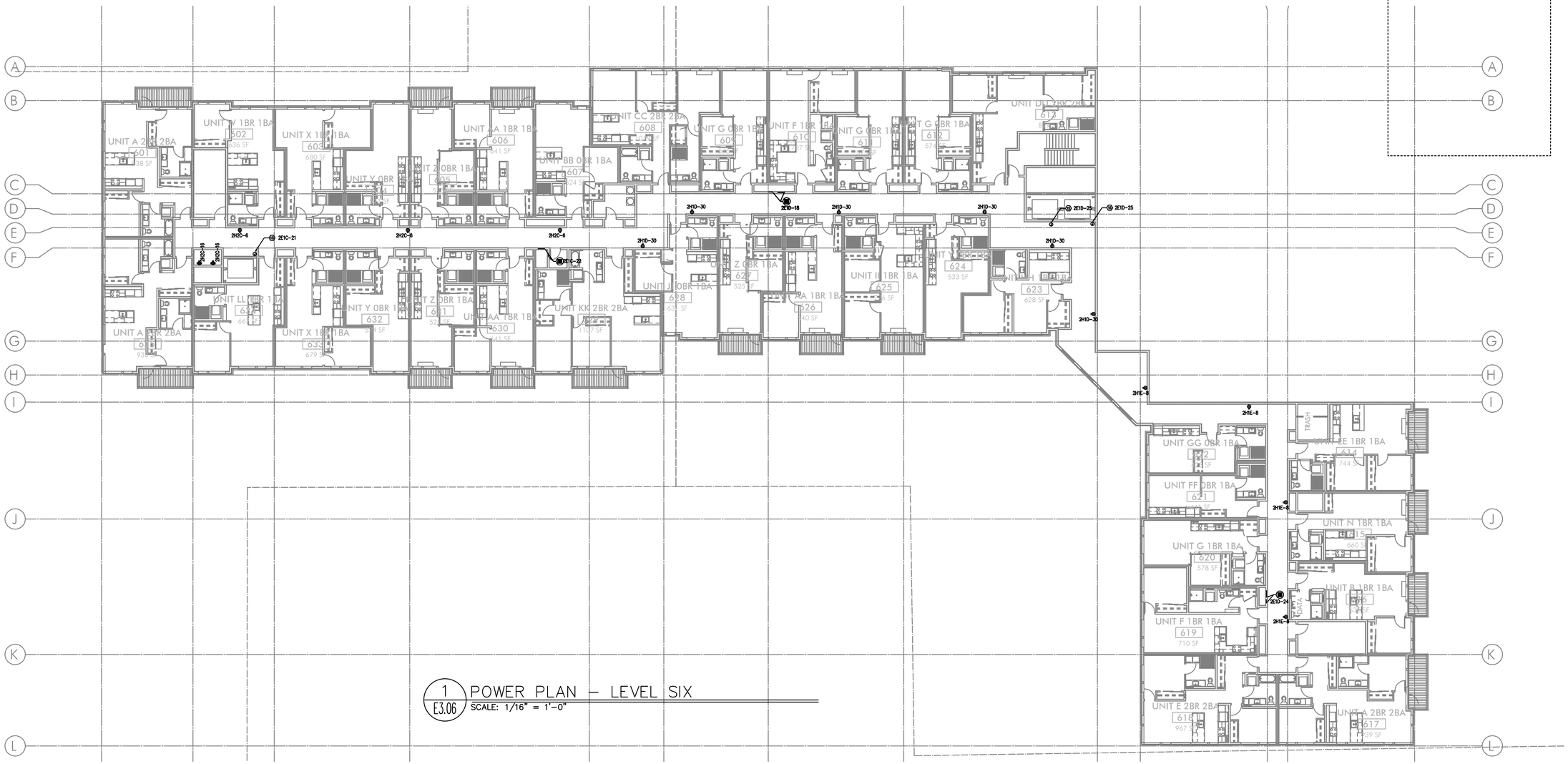

1 E3.06 POWER PLAN – LEVEL SIX

SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

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SHEET:

E3.06

1 / E3.07 POWER PLAN – ROOF LEVEL
SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

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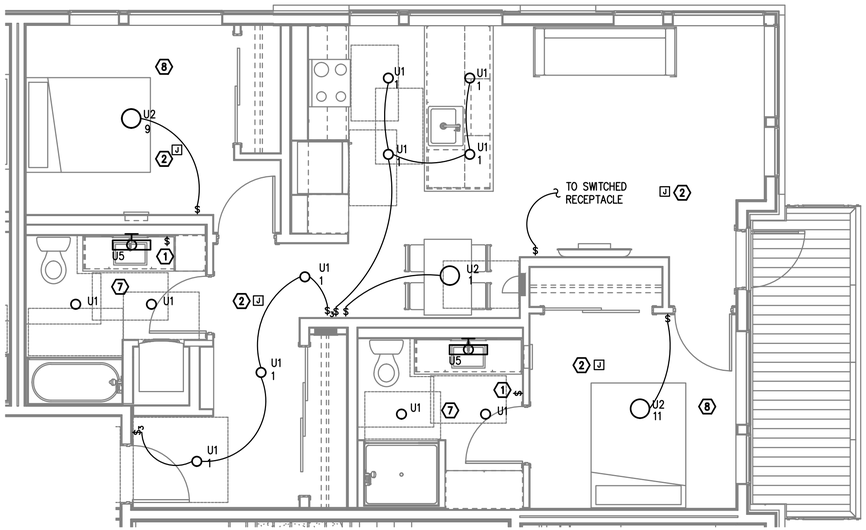
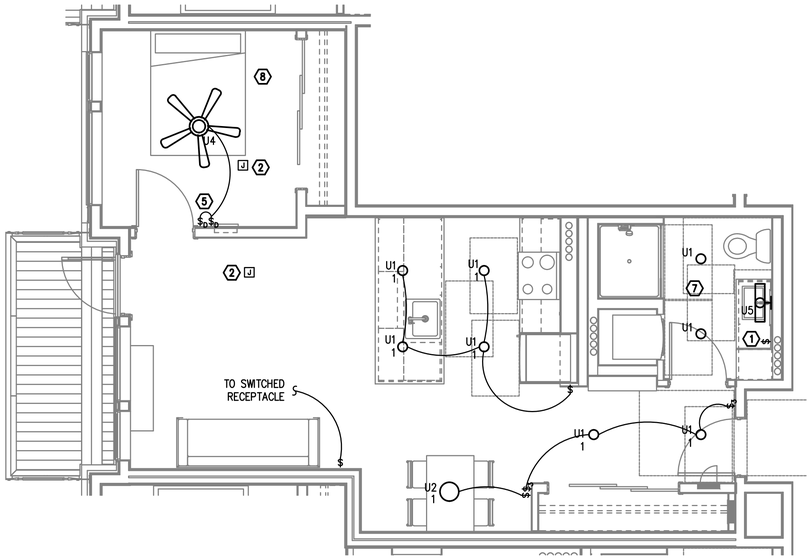


TYPICAL UNIT TYPE A
1 / E4.00 2 BED/2 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE B
2 / E4.00 1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

A. ALL PLANS ARE DIAGRAMMATICAL. CONSULT ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.

B. REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.

C. ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.

D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS. CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.

⬡ KEYED NOTES:

1. REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
2. PROVIDE ROUGH IN AND FINAL POWER CONNECTION FOR CEILING MOUNTED LOW VOLTAGE DEVICES. TIE INTO CLOSEST RECEPTACLE CIRCUIT. REFER TO 'T' SERIES SHEETS FOR EXACT LOCATIONS AND COORDINATE INSTALLATION WITH SYSTEM INSTALLER.
3. RECEPTACLE FOR PTHP UNIT SHALL BE LOCATED BELOW THE UNIT, NEAR THE BASE OF THE WALL SUCH THAT THE CORD SET IS CONCEALED AS MUCH AS POSSIBLE. COORDINATE INSTALLATION WITH THE MECHANICAL INSTALLER.
4. LOCATE SWITCH FOR SINK LIGHT AT THE END OF THE COUNTER, JUST UNDER THE EDGE OF THE COUNTER TOP.
5. SWITCHING FOR CEILING FAN SHALL BE MANUFACTURER'S RECOMMENDATION FOR LIGHT AND FAN CONTROL.
6. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATION AND MOUNTING OF UNDER CABINET LIGHTS.
7. TIE BATHROOM LIGHTS INTO THE NEAREST LIGHTING CIRCUIT.
8. BEDROOM LIGHTS SHALL BE TIED INTO THE RECEPTACLE CIRCUIT FOR THAT ROOM. REFER TO SHEETS E4.10 – E4.17 FOR CIRCUIT DESIGNATIONS.

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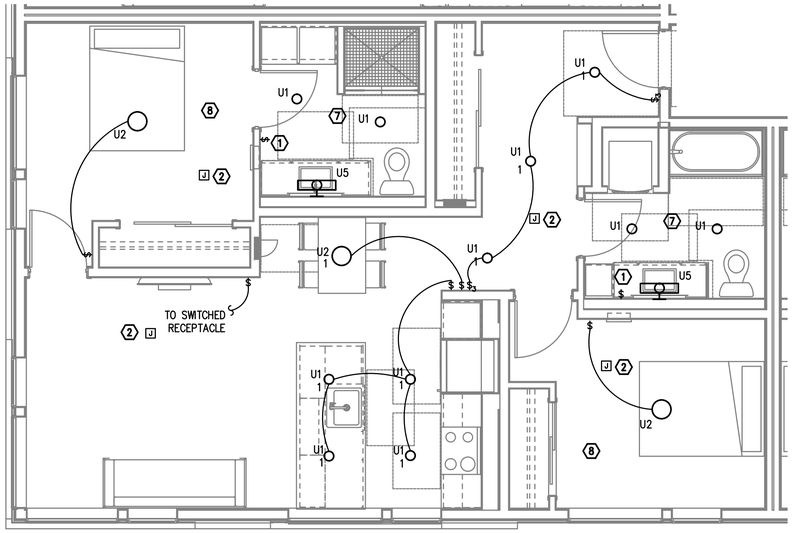
PRELIMINARY NOT FOR CONSTRUCTION

PROJECT # 2017-053
DATE: 11/19/2021

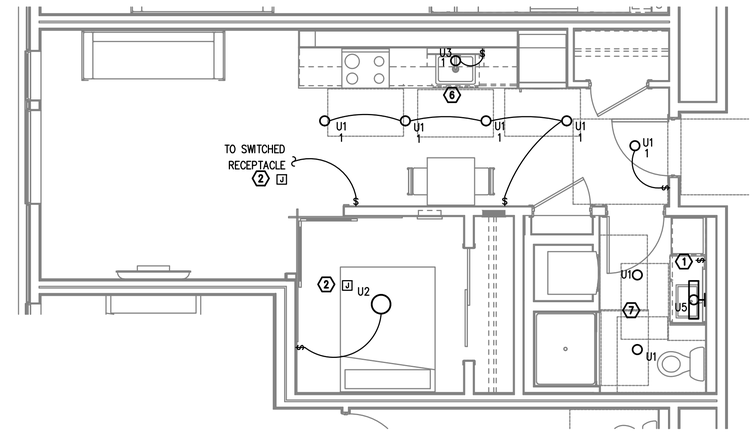
REVISIONS

AEGIS - PHASE II
MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

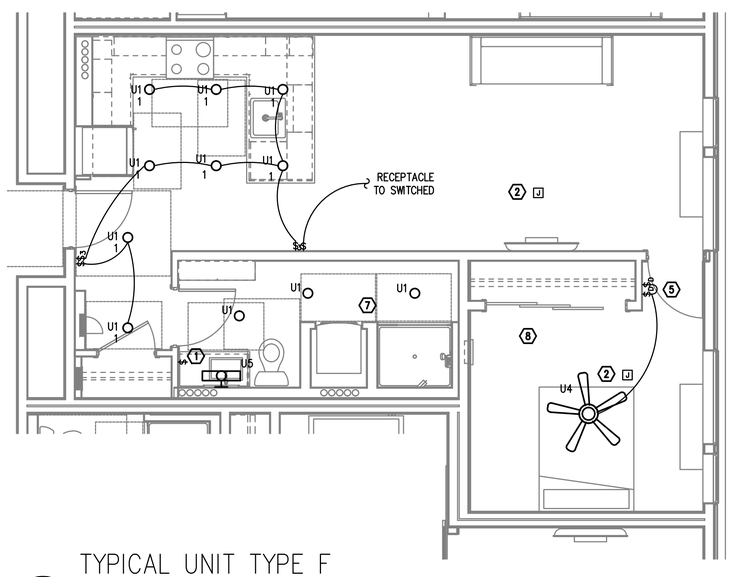
SHEET:
E4.00



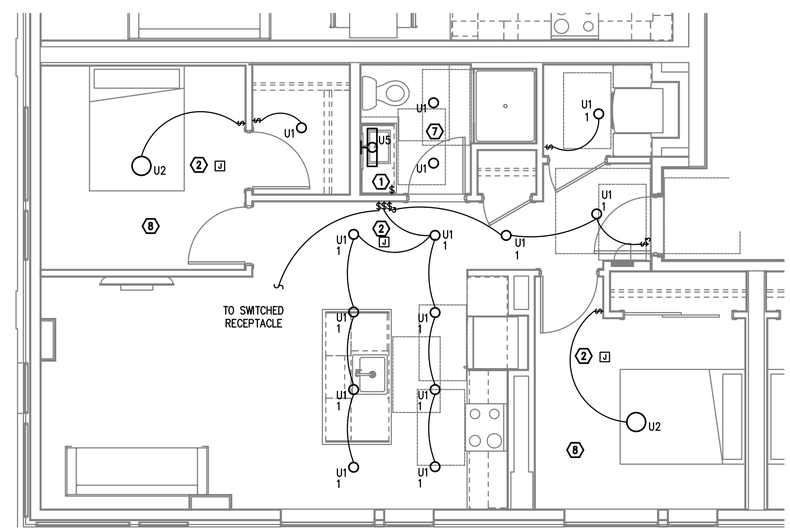
TYPICAL UNIT TYPE E
1 / E4.01 2 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE G
2 / E4.01 0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE F
3 / E4.01 2 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE K
4 / E4.01 2 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

NOTE:

REFER TO SHEET E4.00 FOR GENERAL AND KEYED LIGHTING NOTES.

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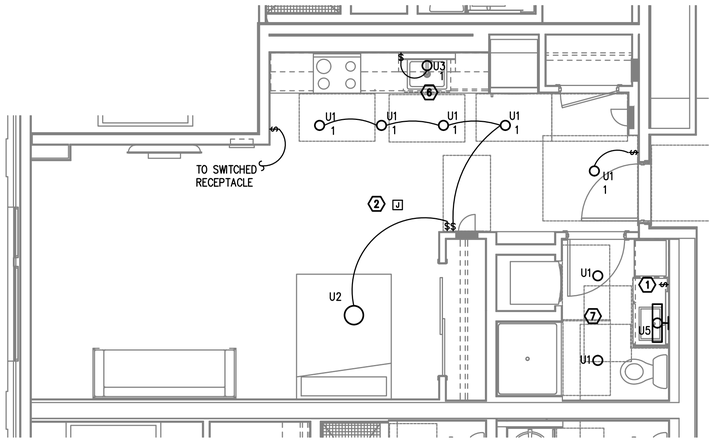
SHEET:

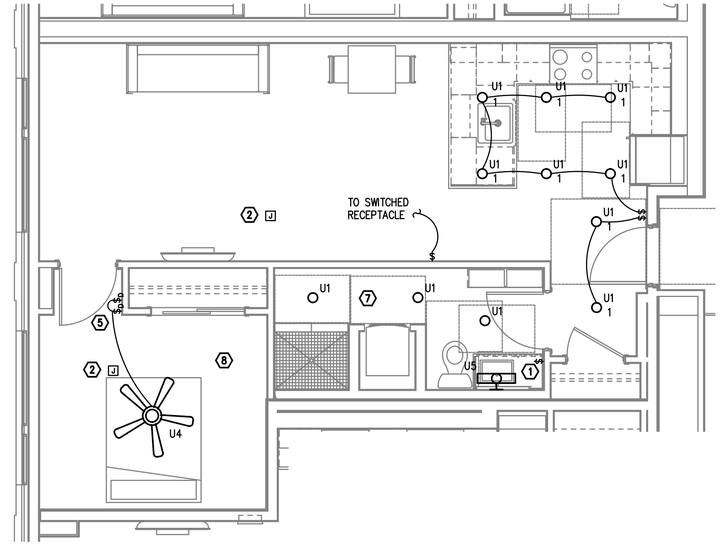
E4.01



TYPICAL UNIT TYPE L

1 / E4.02 0 BED/1 BATH – LIGHTING PLAN

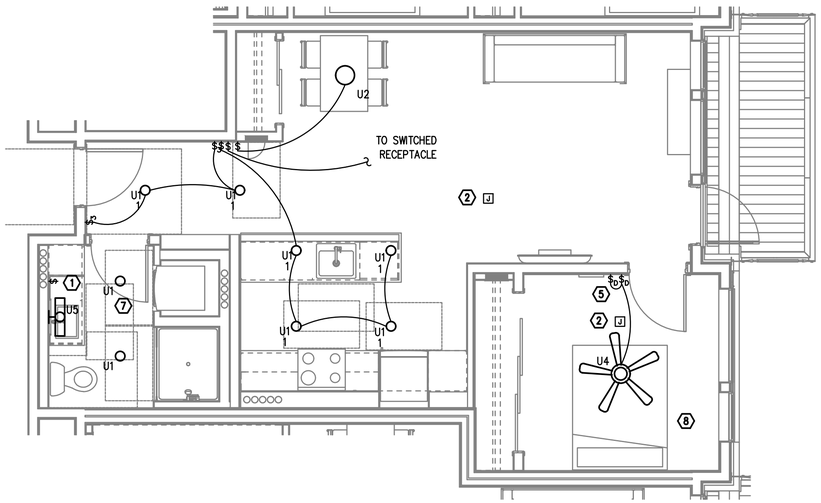
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE M

2 / E4.02 1 BED/1 BATH – LIGHTING PLAN

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



TYPICAL UNIT TYPE N

3 / E4.02 1 BED/1 BATH – LIGHTING PLAN

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

NOTE:

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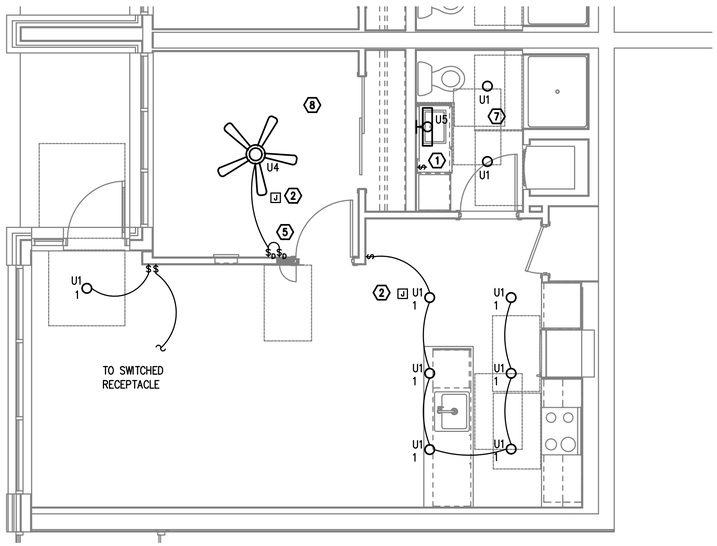
SHEET:

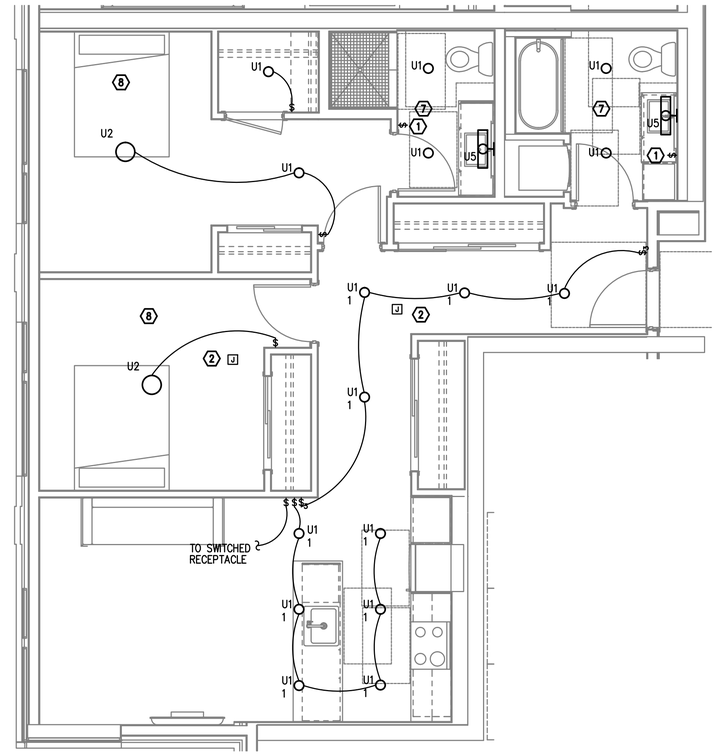
E4.02



TYPICAL UNIT TYPE Q

1 / E4.03 1 BED/1 BATH – LIGHTING PLAN

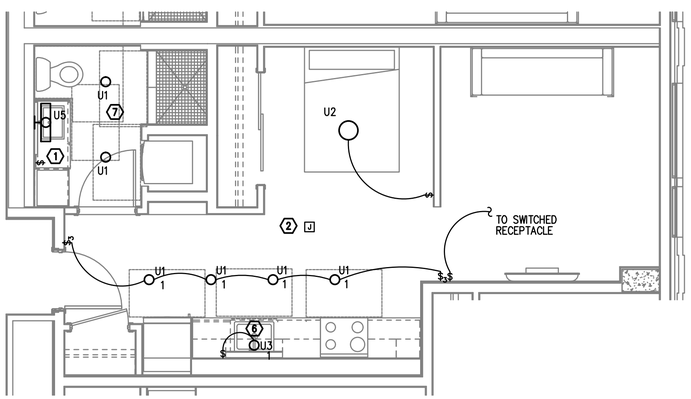
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE R

2 / E4.03 2 BED/2 BATH – LIGHTING PLAN

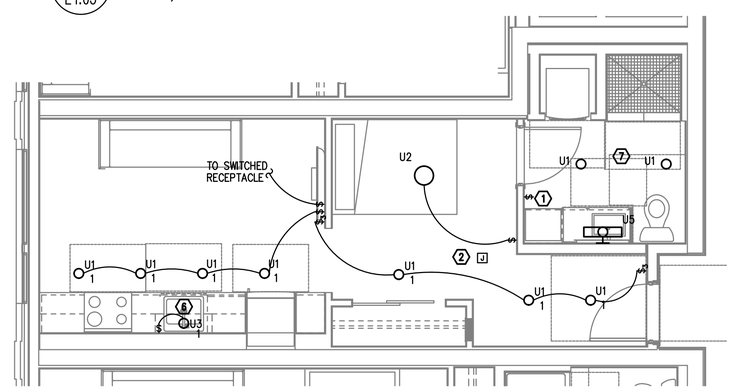
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE S

3 / E4.03 0 BED/1 BATH – LIGHTING PLAN

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



TYPICAL UNIT TYPE T

4 / E4.03 0 BED/1 BATH – LIGHTING PLAN

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

NOTE:

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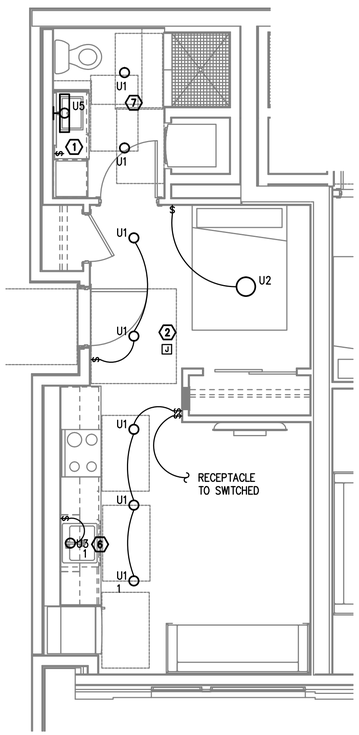
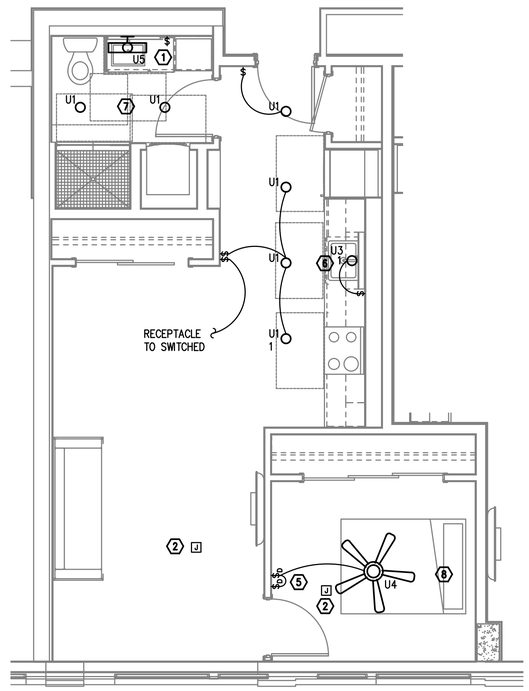
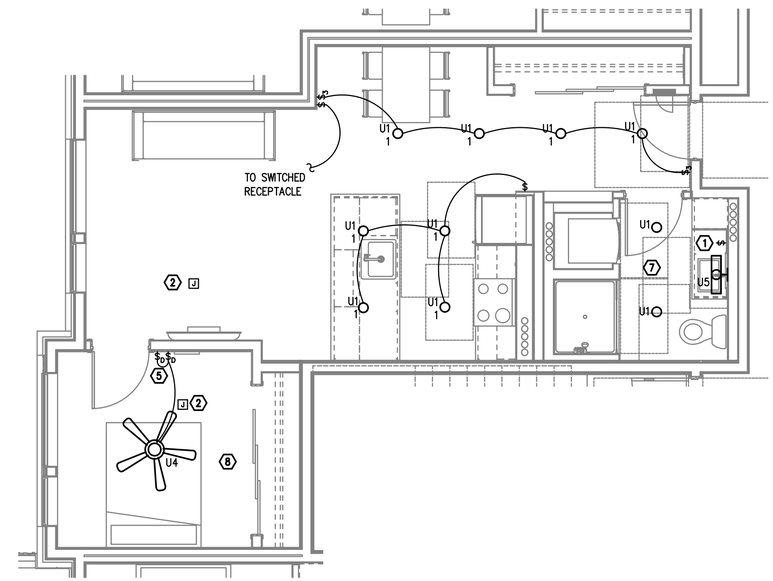
E4.03



TYPICAL UNIT TYPE U
1 / E4.04 0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE V
2 / E4.04 1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE W
3 / E4.04 1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

NOTE:

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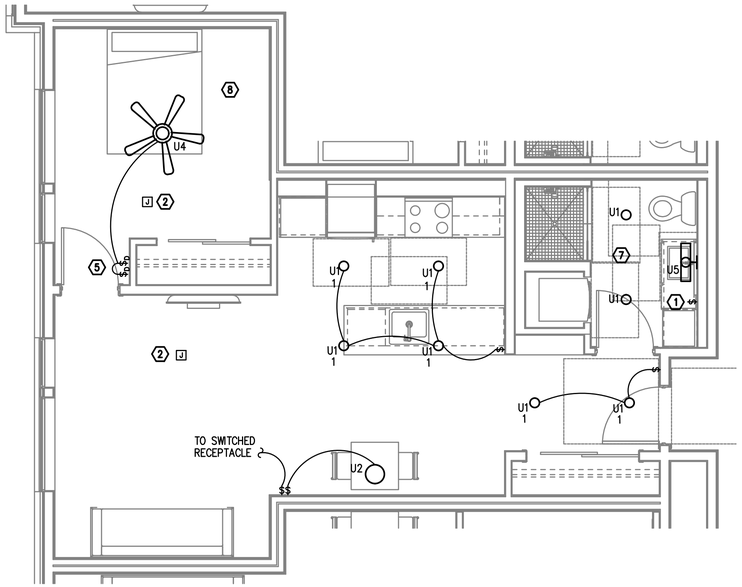
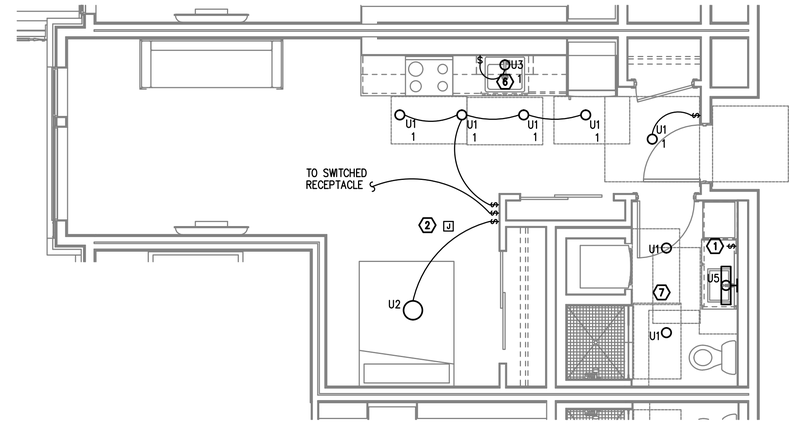
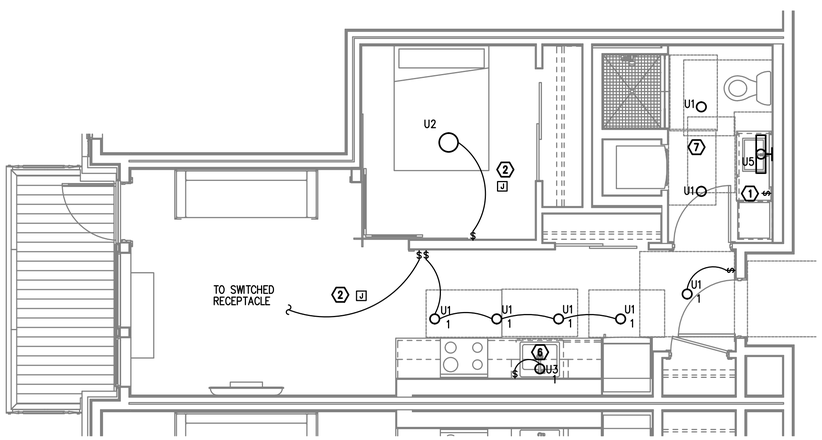
E4.04



TYPICAL UNIT TYPE X
1 / E4.05 1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE Y
2 / E4.05 0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE Z
3 / E4.05 0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

NOTE:

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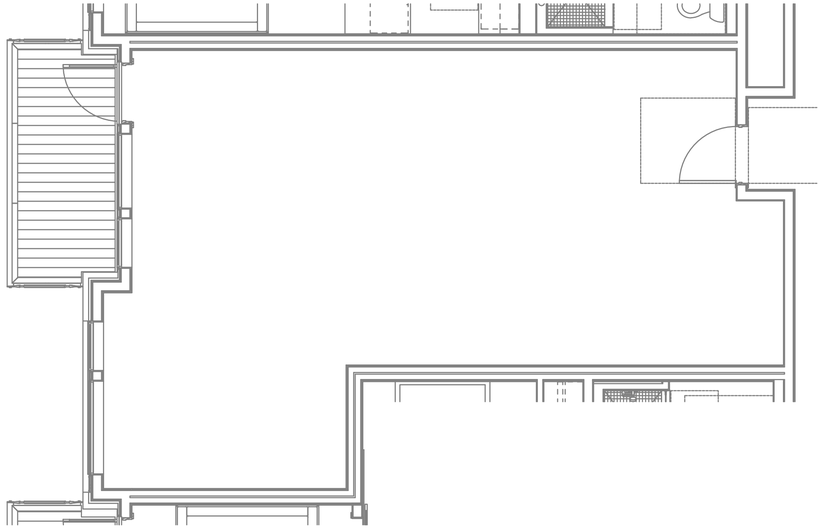
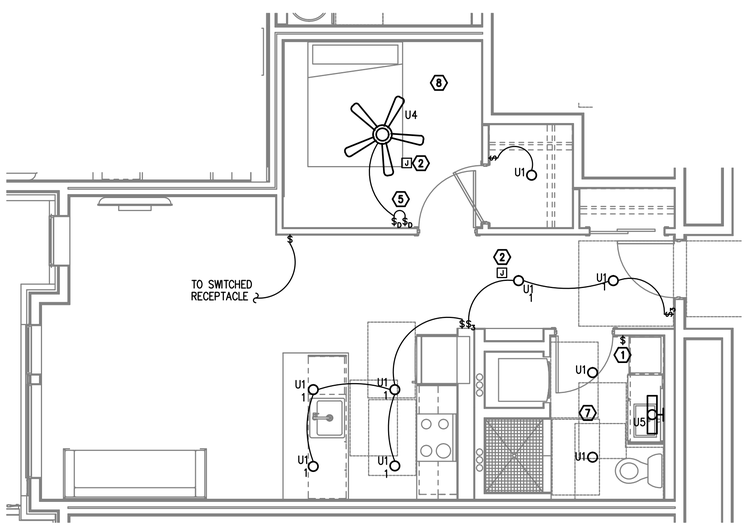
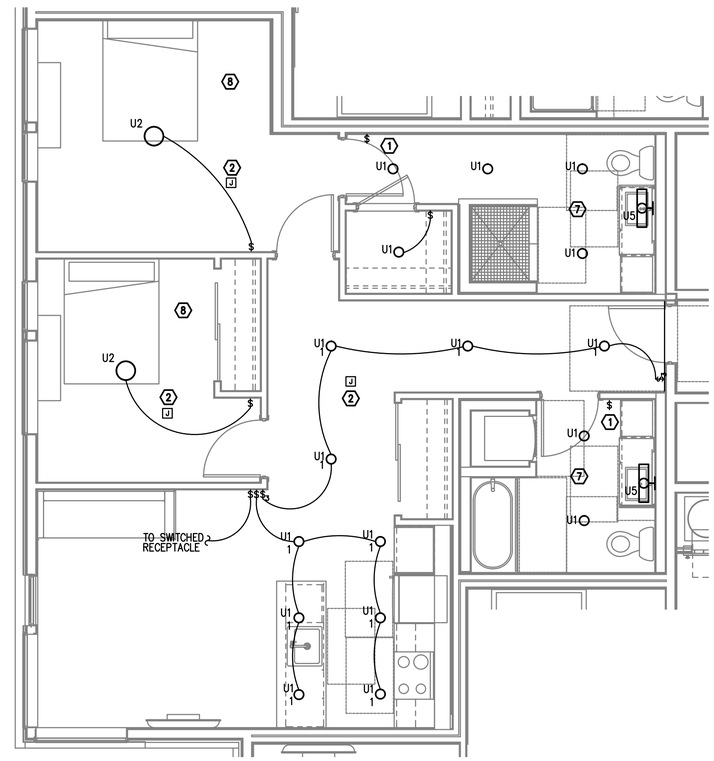
SHEET:
E4.05



TYPICAL UNIT TYPE AA
1 / E4.06 2 BED/2 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE BB
2 / E4.06 1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE CC
3 / E4.06 2 BED/2 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

NOTE:
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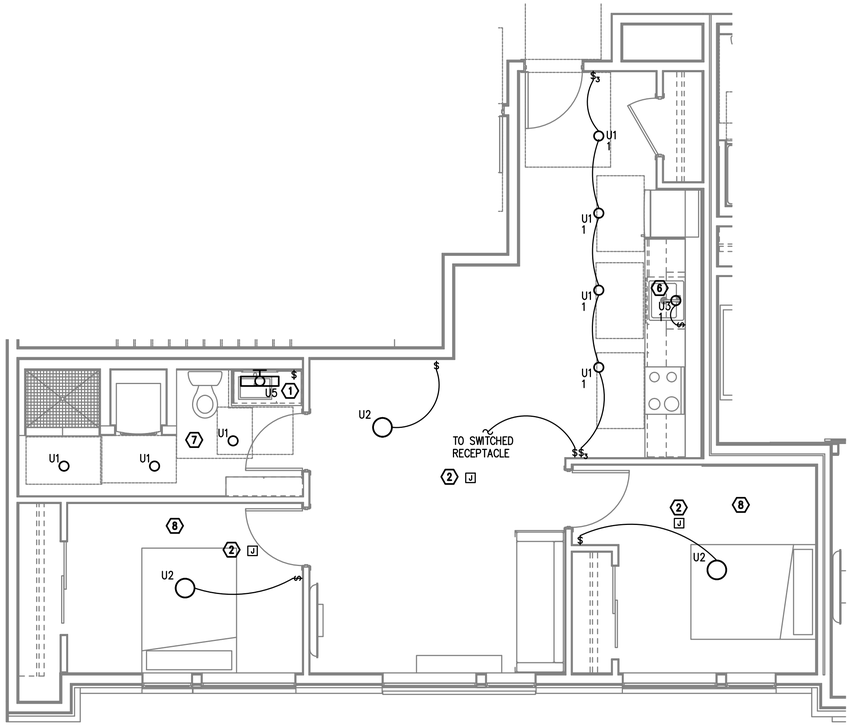
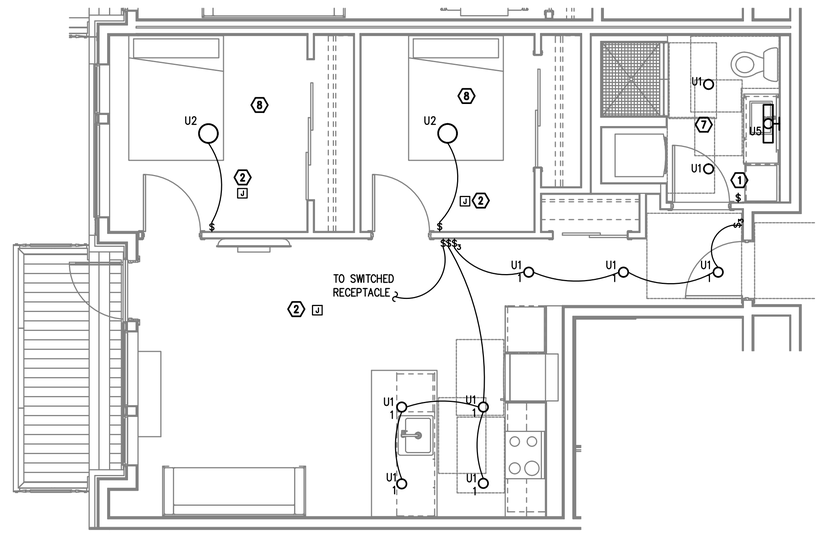
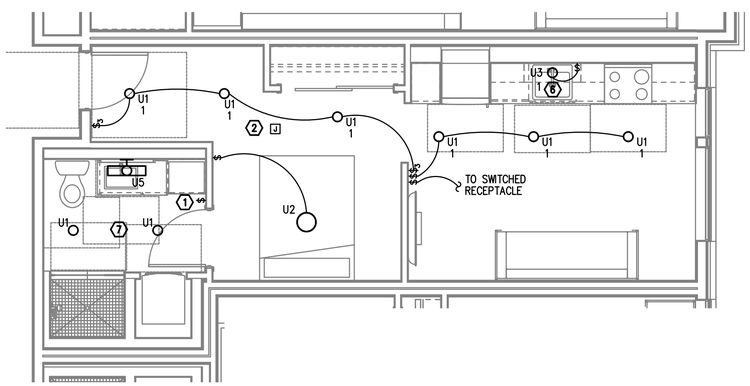
SHEET:
E4.06



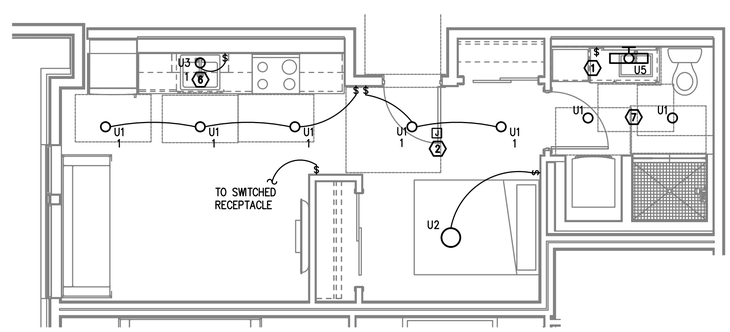
TYPICAL UNIT TYPE DD
1 / E4.07 2 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE EE
2 / E4.07 1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE FF
3 / E4.07 0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE GG
4 / E4.07 0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

NOTE:

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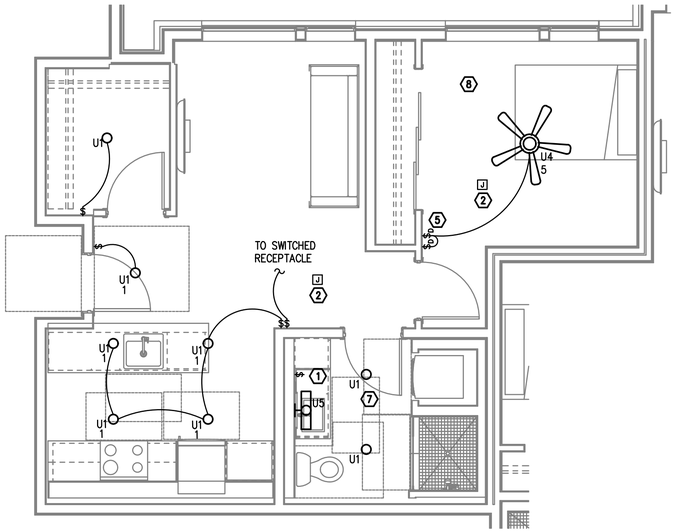
SHEET:

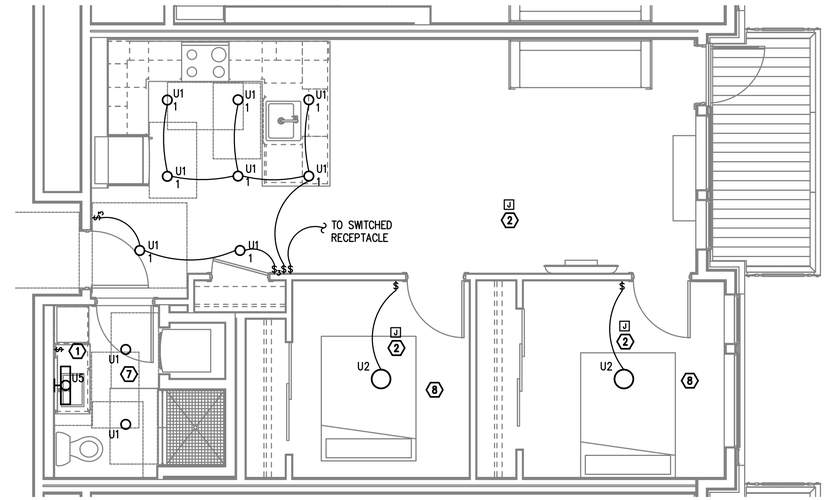
E4.07



TYPICAL UNIT TYPE HH

1 / E4.08 1 BED/1 BATH – LIGHTING PLAN

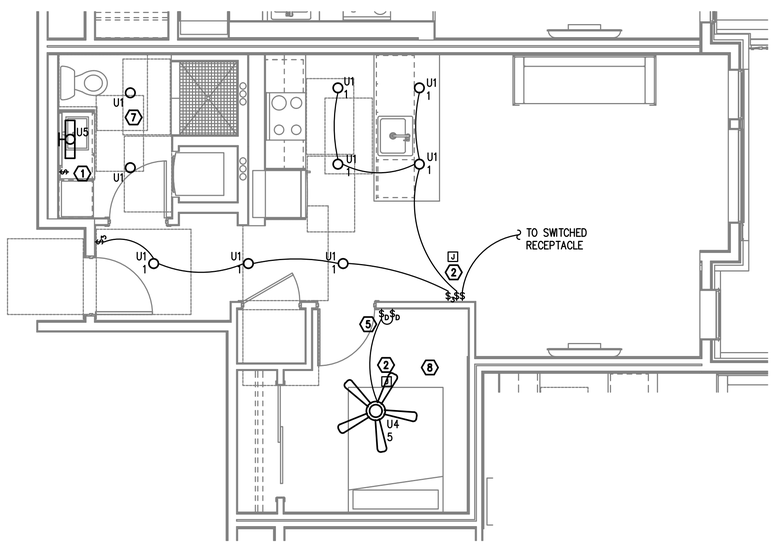
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE II

2 / E4.08 2 BED/1 BATH – LIGHTING PLAN

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



TYPICAL UNIT TYPE JJ

3 / E4.08 1 BED/1 BATH – LIGHTING PLAN

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

NOTE:

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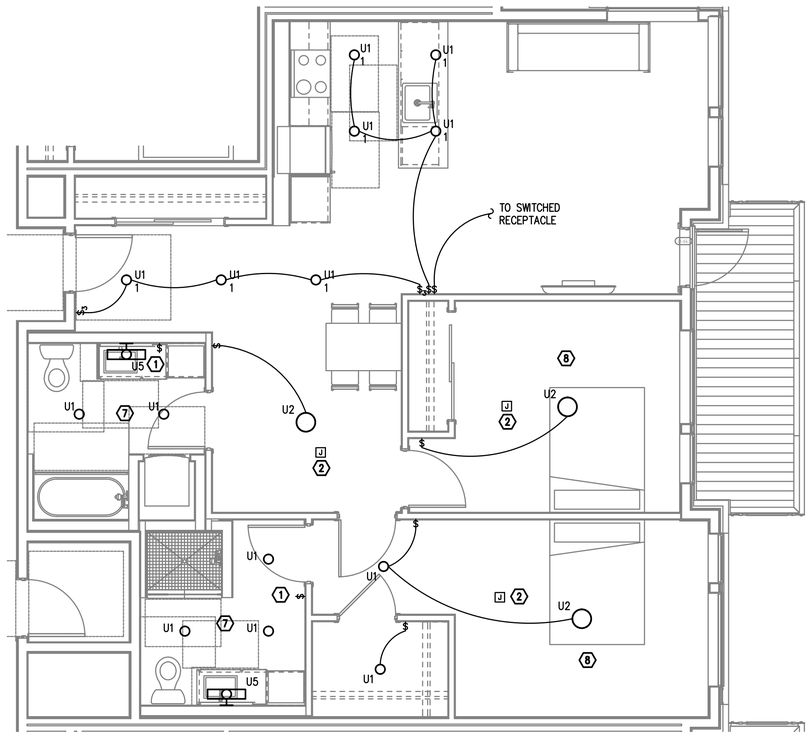
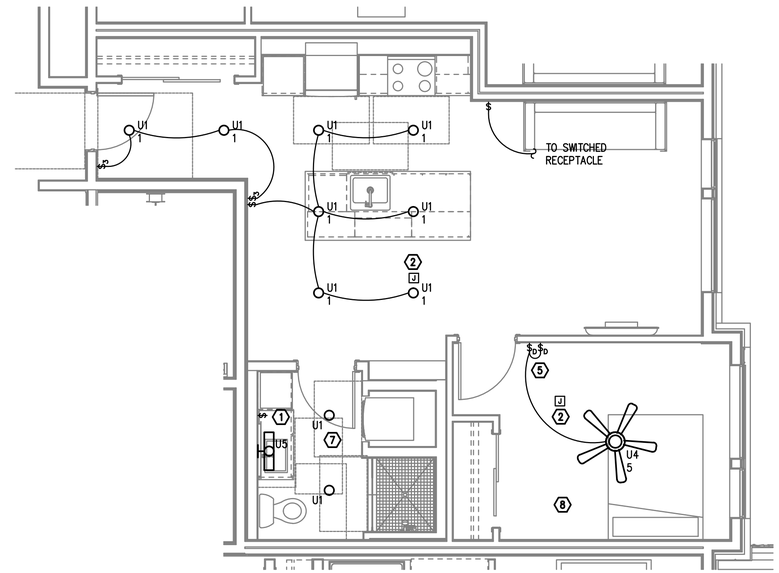
SHEET:

E4.08



TYPICAL UNIT TYPE KK
1 / E4.09 2 BED/2 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE LL
2 / E4.09 1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

NOTE:

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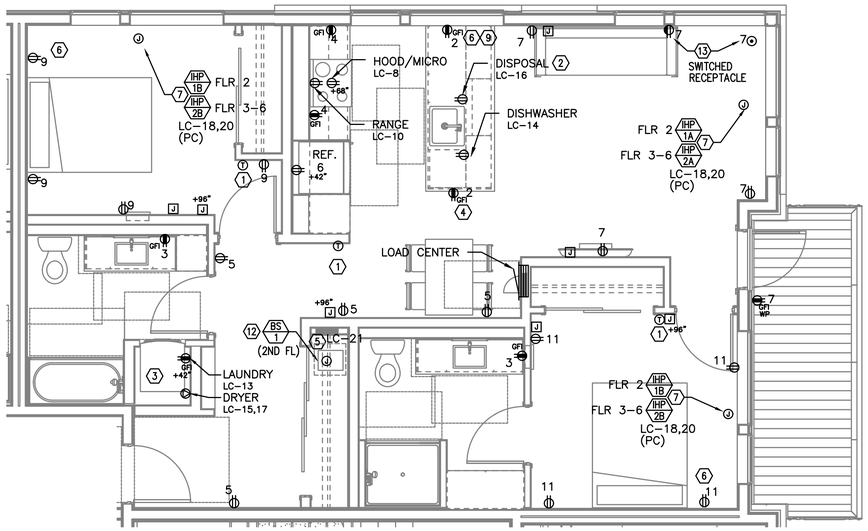
SHEET:

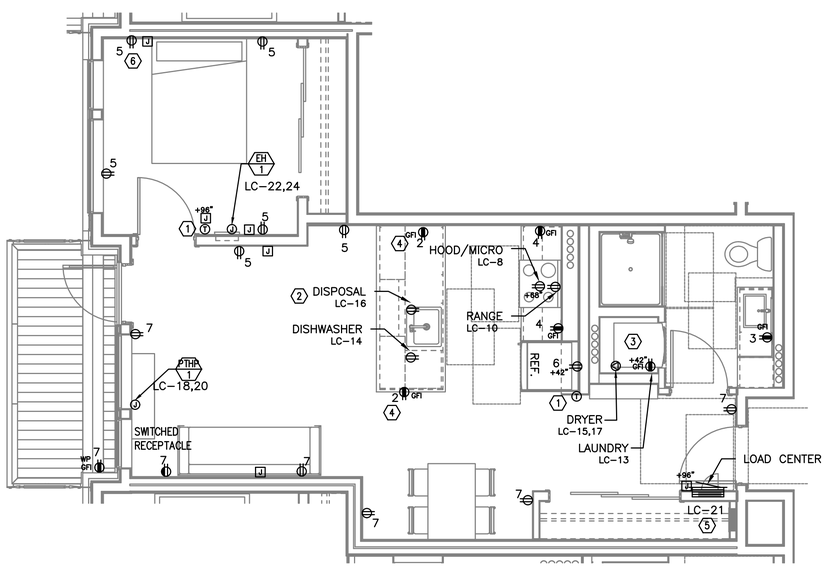
E4.09



TYPICAL UNIT TYPE A
2 BED/2 BATH – POWER PLAN

1 / E4.10

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



TYPICAL UNIT TYPE B
1 BED/1 BATH – POWER PLAN

2 / E4.10

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

GENERAL NOTES:

A. KITCHEN RECEPTACLES LOCATED IN ISLANDS OR PENINSULAS WHERE THE BACK SPLASH WILL NOT ACCOMMODATE VERTICAL PLACEMENT OR THE DUPLEX RECEPTACLE, THE CONTRACTOR SHALL ROTATE THE DEVICE 90 DEGREES SO THAT THE RECEPTACLE IS INSTALLED HORIZONTALLY.

B. REFER TO DETAILS ON SHEET E1.23 FOR ADDITIONAL INFORMATION REGARDING ADA REACH REQUIREMENTS FOR RECEPTACLE AND SWITCH MOUNTING HEIGHT.

C. STANDARD RECEPTACLE MOUNTING HEIGHT IS 18" A.F.F. UNLESS OTHERWISE SPECIFIED. RECEPTACLES LOCATED BELOW WINDOW SILLS SHALL NOT BE LESS THE 15" A.F.F.

D. ALL PLANS ARE DIAGRAMMATICAL. CONSULT ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES AND FIXTURES.

E. REFER TO SHEET E1.17 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.

F. RECEPTACLE FOR PTHP UNIT SHALL BE LOCATED BELOW THE UNIT, NEAR THE BASE OF THE WALL SUCH THAT THE CORD SET IS CONCEALED AS MUCH AS POSSIBLE. COORDINATE INSTALLATION WITH THE MECHANICAL INSTALLER.

G. COORDINATE WITH THE 'T' SERIES SHEETS FOR EXACT LOCATIONS AND PROVIDE ROUGH IN FOR LOW VOLTAGE SYSTEMS (⊡) REFERS TO ROUGH IN BOXES.

H. ALL KITCHEN COUNTER TOP RECEPTACLES SHALL BE INSTALLED A MINIMUM OF 36" FROM A CORNER WALL PER ADA REQUIREMENTS. WHERE COUNTERS ARE NOT LONG ENOUGH TO ACCOMMODATE THIS, THE RECEPTACLE SHALL BE PLACE ON AN END WALL, NO MORE THAN 12" FROM THE FRONT EDGE OF THE COUNTER.

I. PROVIDE ONE 15A, 120V, 1P CIRCUIT FROM RESIDENTIAL LOAD CENTER FOR WATER METER. COORDINATE LOCATION WITH MECHANICAL/PLUMBING CONTRACTOR.

⬡ KEYED NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. THERMOSTATS TO BE MOUNTED AT 48" AFF MAX. TO HIGHEST OPERABLE PART.
2. PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION. DISPOSAL TO BE PROVIDED WITH "SAFEAIRE" SINK DISPOSAL AIR SWITCH, MOUNTED PER ARCHITECT'S DIRECTION. VERIFY DEVICE FINISH WITH ARCHITECT PRIOR TO ORDERING.
3. REFER TO DETAIL 2/E1.17 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
4. MOUNT DEVICES HORIZONTALLY, JUST UNDER THE EDGE OF THE COUNTER TOP.
5. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
6. PROVIDE ONE 20A, 120V, 1P RECEPTACLE WITH USB PORT, MOUNTED AT 44" A.F.F (MAX) AT KITCHEN ISLAND/PENNISULA COUNTER & AT 18" AFF IN BEDROOMS. CONSULT ARCHITECT AND/OR INTERIOR DESIGNER FOR ADDITIONAL LOCATIONS WHERE REQUIRED.
7. INDOOR HEAT PUMP UNIT INTERCONNECTED WITH OUTDOOR UNIT LOCATED ON ROOF. CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL HVAC INSTALLER AND MECHANICAL PLANS FOR EXACT POWER REQUIREMENTS & LOCATION OF EACH UNIT PRIOR TO ROUGH IN.
8. COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER FOR EXACT POWER REQUIREMENTS, CONTROLS & LOCATION OF THRU-WALL FAN. TIE INTO BEDROOM RECEPTACLE CIRCUIT.
9. MOUNT DEVICES HORIZONTALLY, UNDER WINDOW SILL.
10. RECEPTACLE MOUNTED IN FACE OF CABINET.
11. COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER FOR EXACT POWER REQUIREMENTS & LOCATION OF CONTINUOUS OPERATING EXHAUST FAN. TIE INTO LIVING ROOM LIGHTING RECEPTACLE CIRCUIT.
12. PROVIDE POWER CONNECTION FOR BRANCH BOX, TIED INTO THE MINI-SPLIT SYSTEM, FROM THE TENANT LOAD CENTER. COORDINATE WORK WITH THE MECHANICAL EQUIPMENT INSTALLER.
13. IN UNITS AT THE PT DECK, PROVIDE SURFACE MOUNTED RECEPTACLES AT STANDARD MOUNTING HEIGHT ON THE COLUMN. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. AT ALL OTHER FLOORS, PROVIDE WITH A FLOOR BOX RECEPTACLE.

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PRELIMINARY NOT FOR CONSTRUCTION

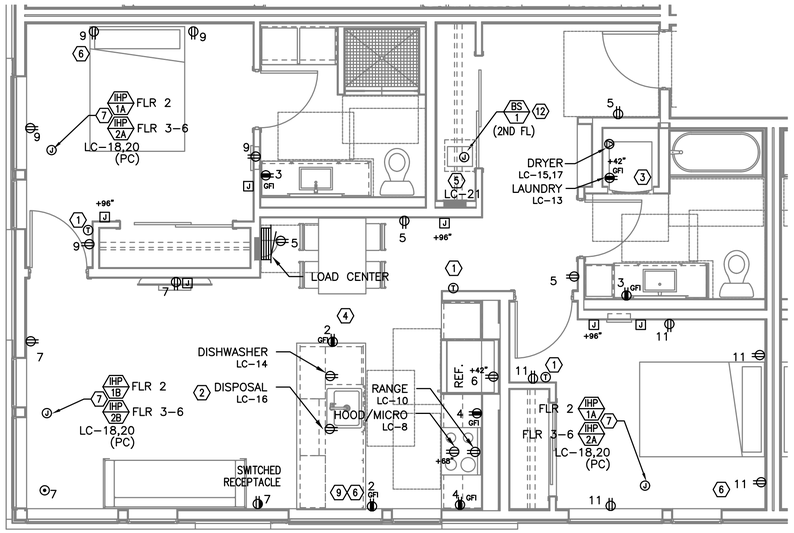
PROJECT # 2017-053
DATE: 11/19/2021

REVISIONS

AEGIS - PHASE II
MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:

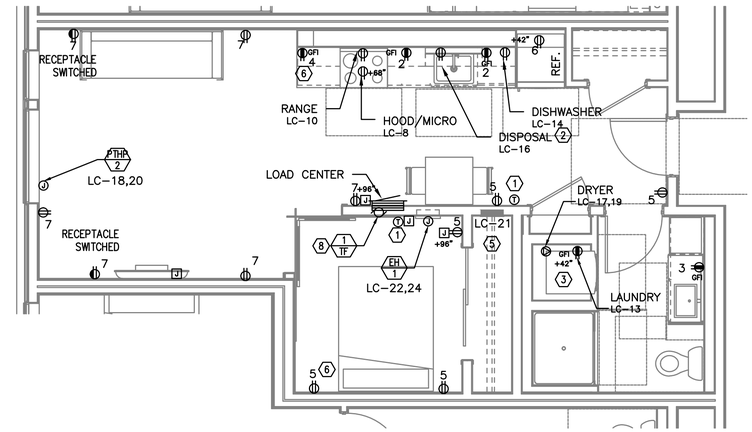
E4.10



TYPICAL UNIT TYPE E

1 / E4.11 2 BED/1 BATH – POWER PLAN

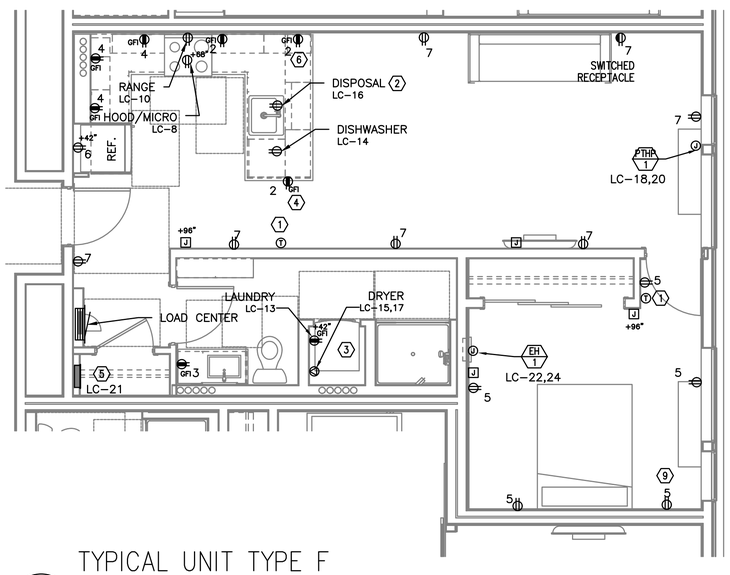
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE G

2 / E4.11 0 BED/1 BATH – POWER PLAN

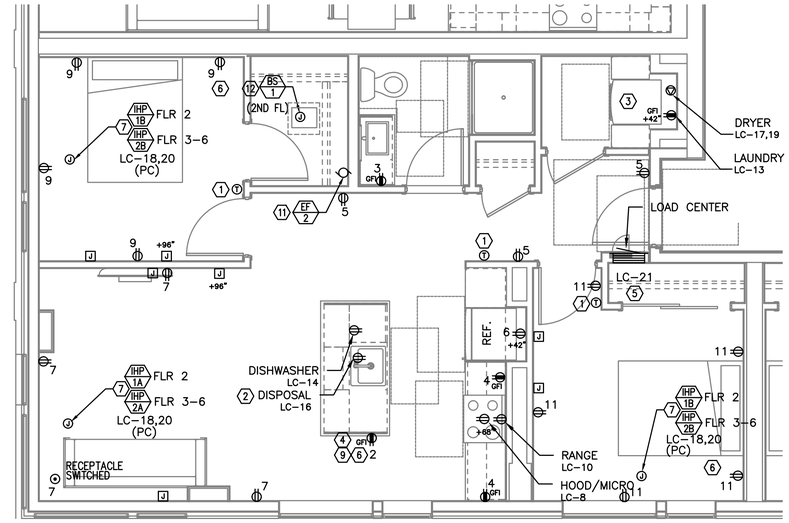
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE F

3 / E4.11 2 BED/1 BATH – POWER PLAN

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



TYPICAL UNIT TYPE K

4 / E4.11 2 BED/1 BATH – POWER PLAN

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

NOTE:

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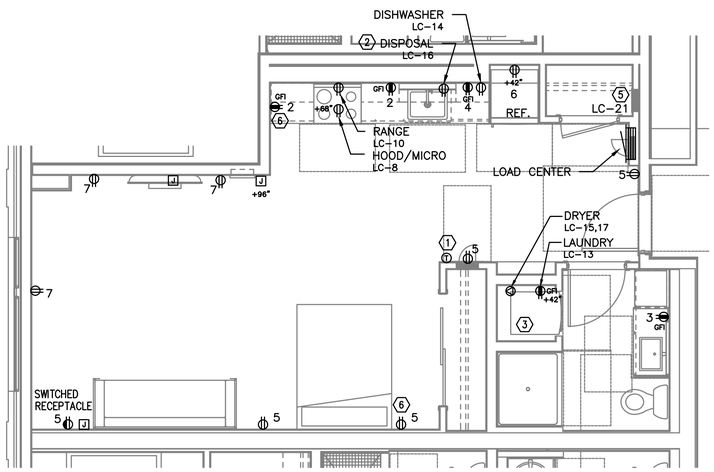
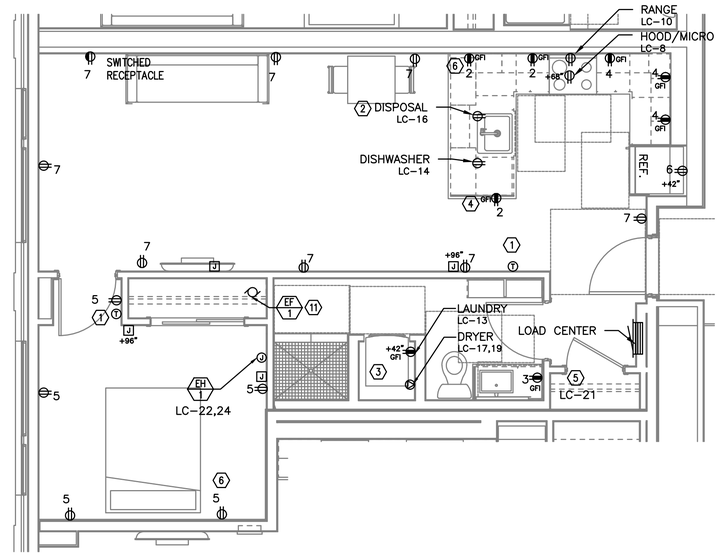
E4.11



TYPICAL UNIT TYPE L

1 / E4.12 — 0 BED/1 BATH – POWER PLAN

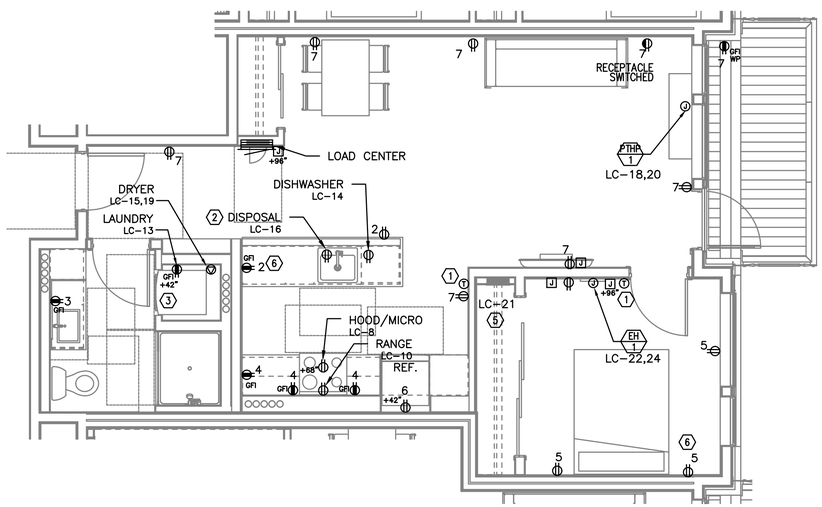
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE M

2 / E4.12 — 1 BED/1 BATH – POWER PLAN

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



TYPICAL UNIT TYPE N

3 / E4.12 — 1 BED/1 BATH – POWER PLAN

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

NOTE:

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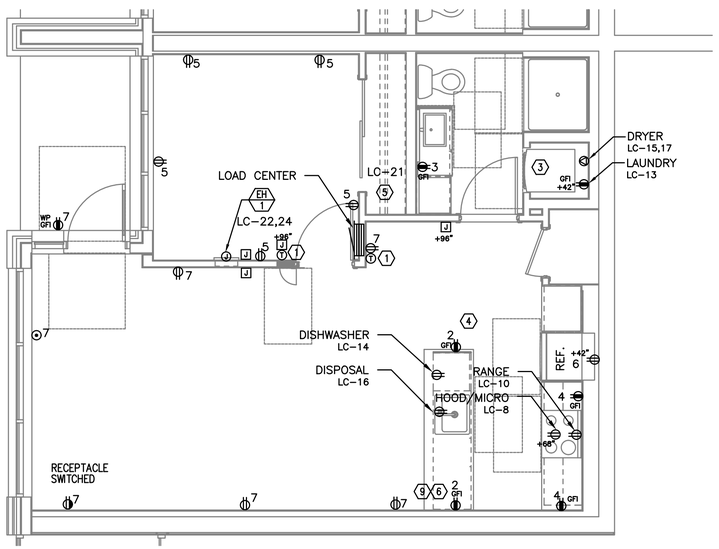
SHEET:

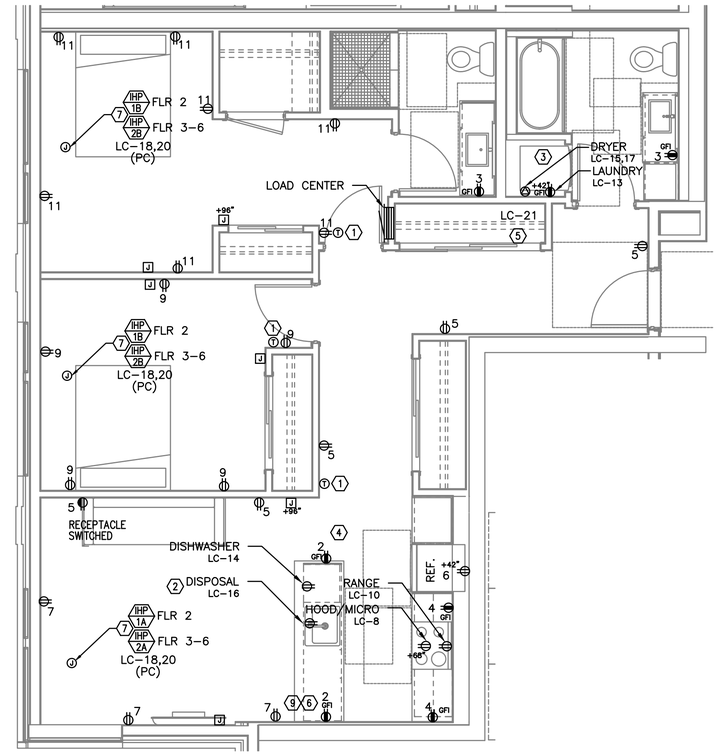
E4.12



TYPICAL UNIT TYPE Q

1 / E4.13 1 BED/1 BATH – POWER PLAN

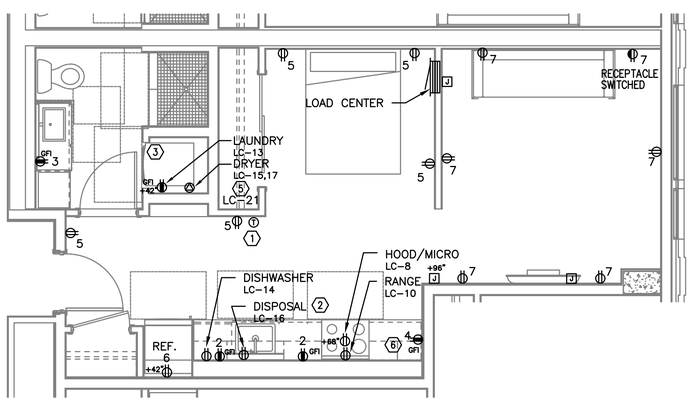
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE R

2 / E4.13 2 BED/2 BATH – POWER PLAN

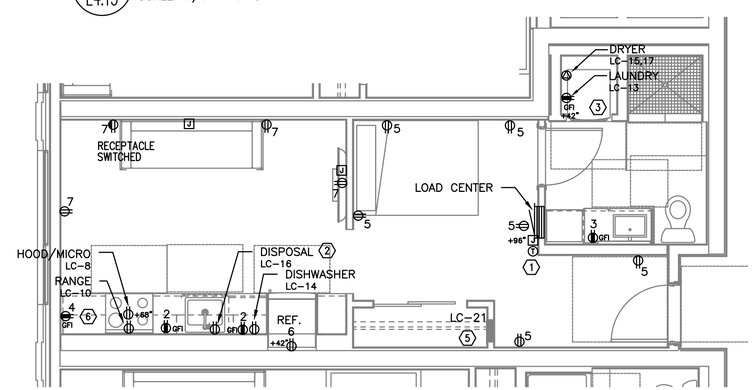
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE S

3 / E4.13 0 BED/1 BATH – POWER PLAN

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



TYPICAL UNIT TYPE T

4 / E4.13 0 BED/1 BATH – POWER PLAN

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

NOTE:

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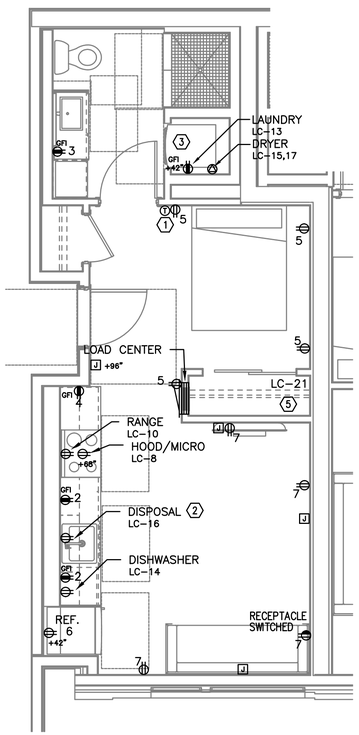
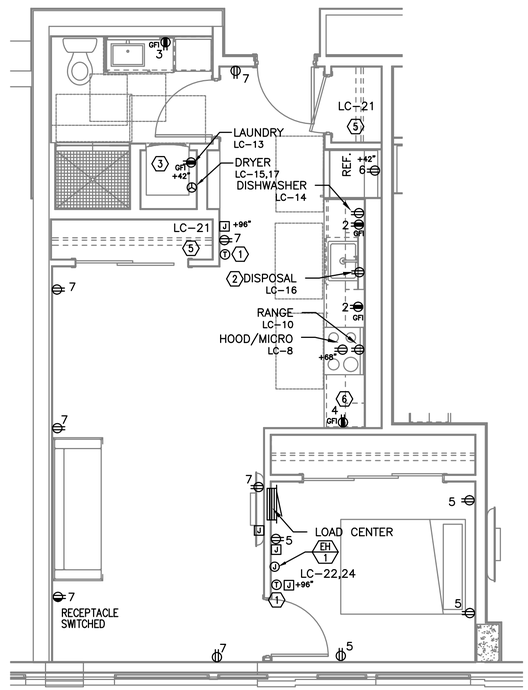
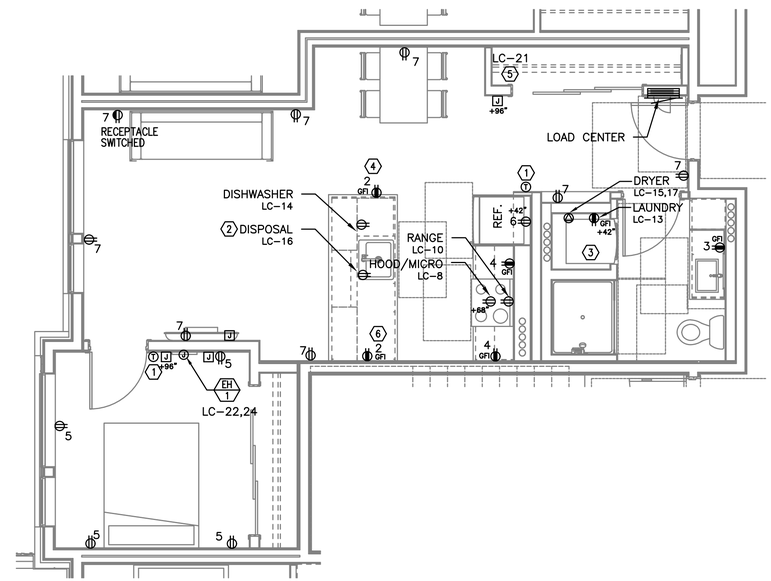
E4.13



TYPICAL UNIT TYPE U
1 / E4.14 0 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE V
2 / E4.14 1 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE W
3 / E4.14 1 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"

NOTE:

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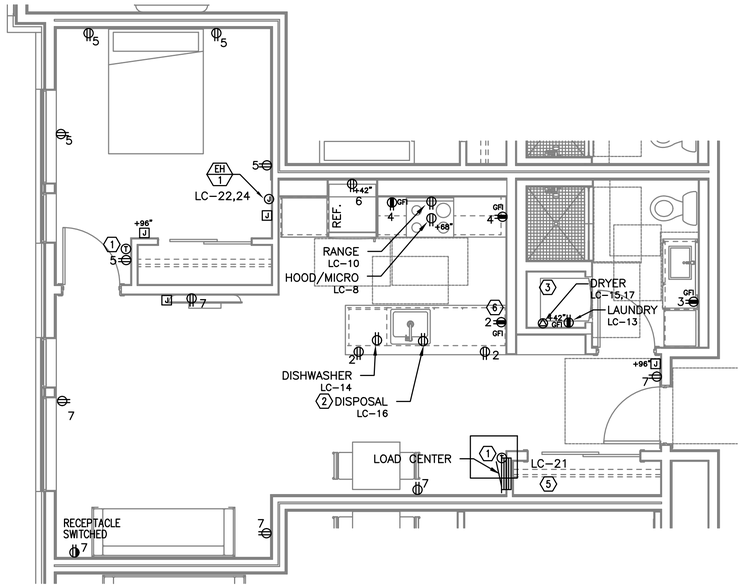
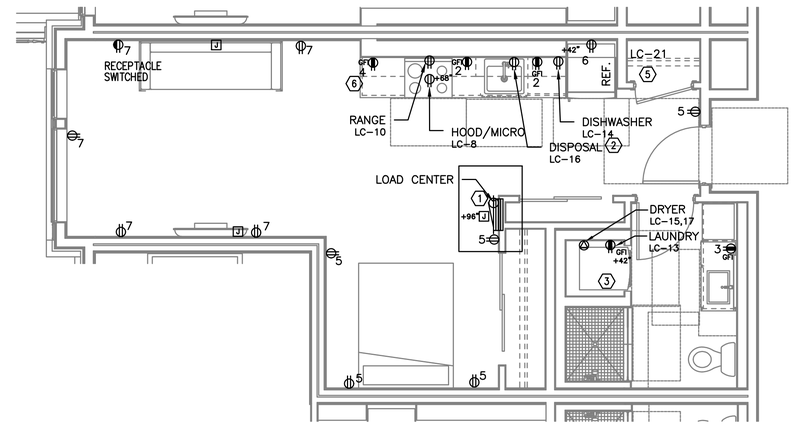
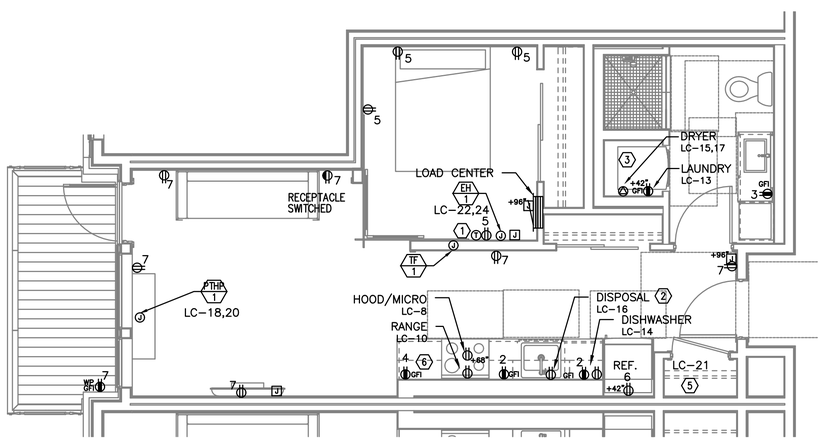
SHEET:
E4.14



TYPICAL UNIT TYPE X
1 / E4.15 1 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE Y
2 / E4.15 0 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE Z
3 / E4.15 0 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"

NOTE:

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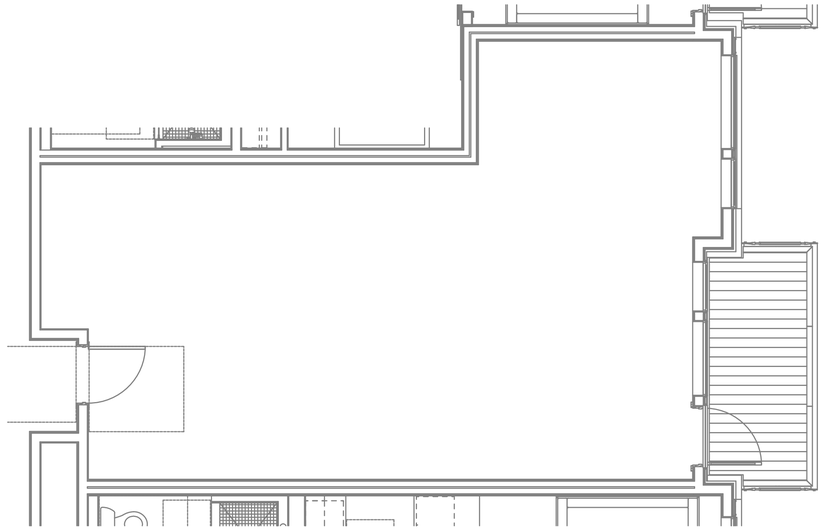
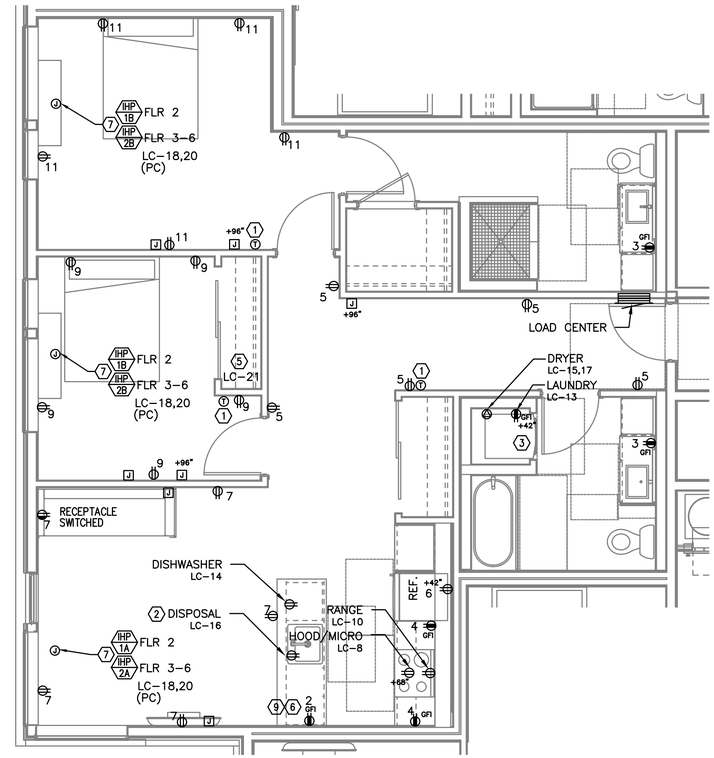
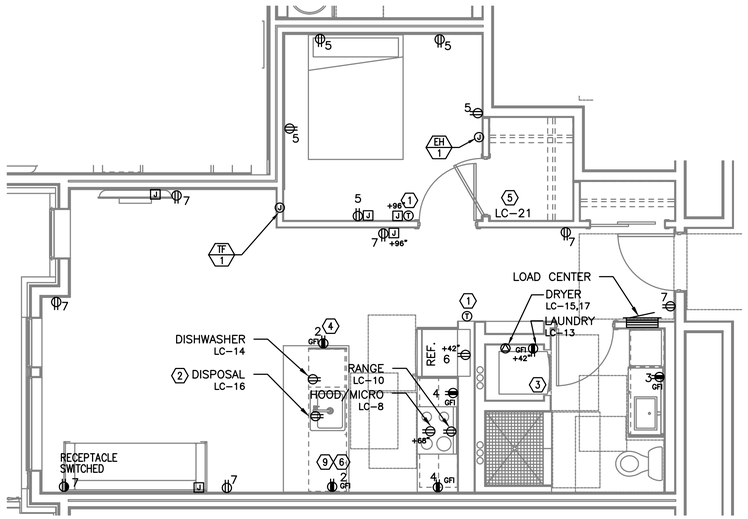
SHEET:
E4.15



TYPICAL UNIT TYPE AA
1 / E4.16 2 BED/2 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE CC
3 / E4.16 2 BED/2 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE BB
2 / E4.16 1 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"

NOTE:
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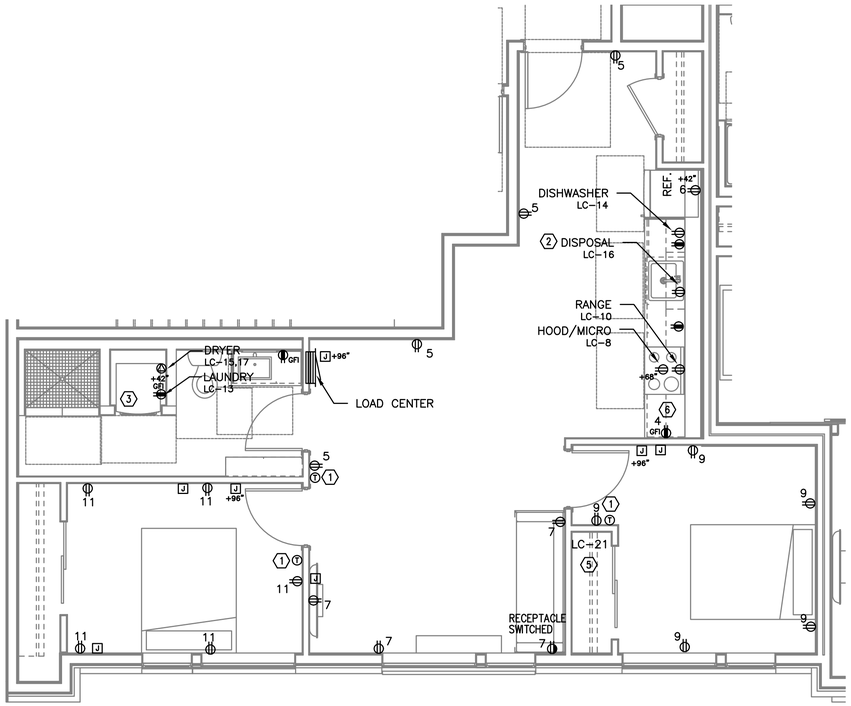
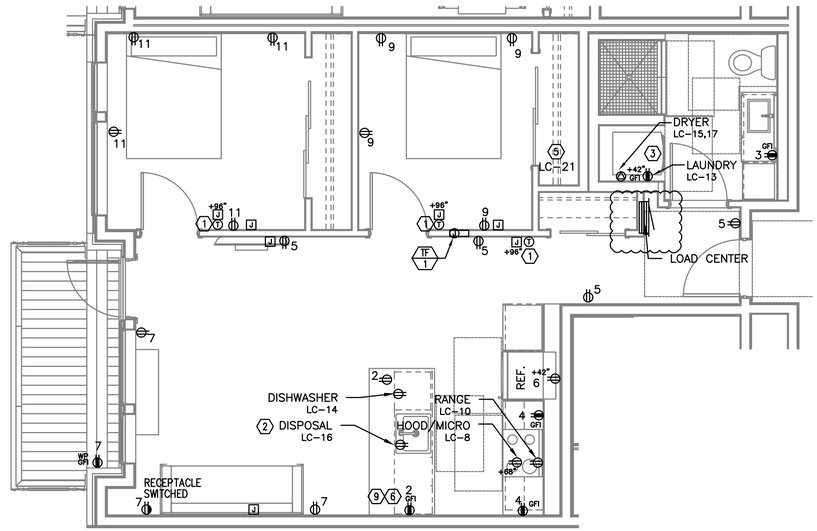
SHEET:
E4.16



TYPICAL UNIT TYPE DD
1 / E4.17 2 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE EE
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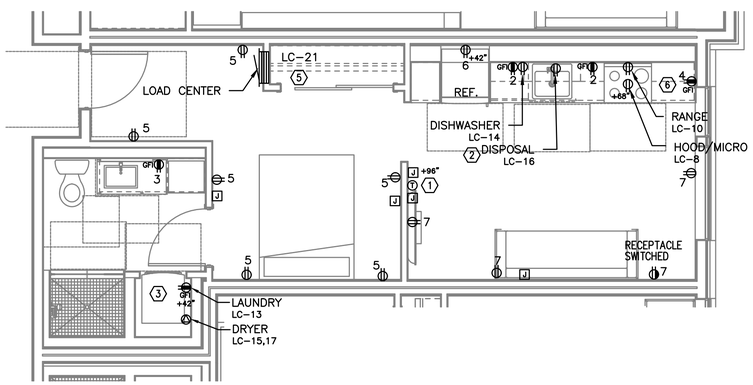
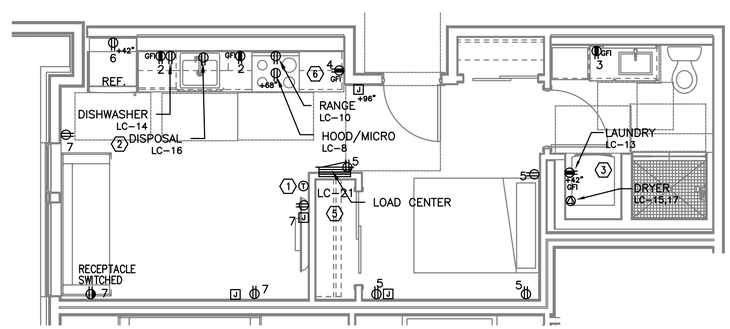


TYPICAL UNIT TYPE FF
3 / E4.17 0 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE GG
4 / E4.17 0 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"

NOTE:

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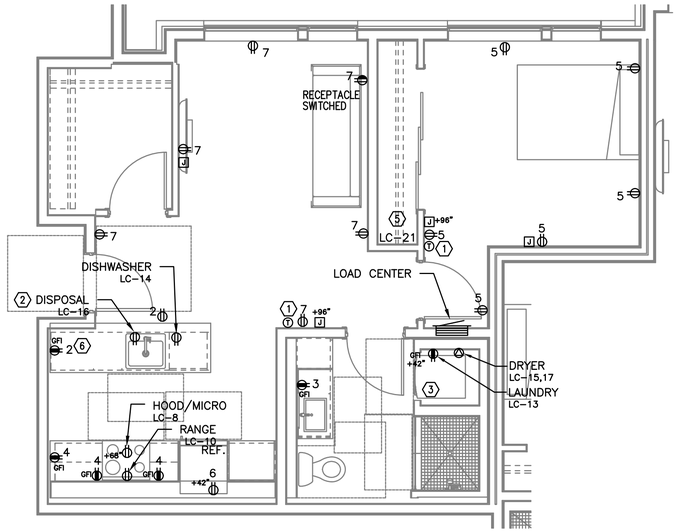
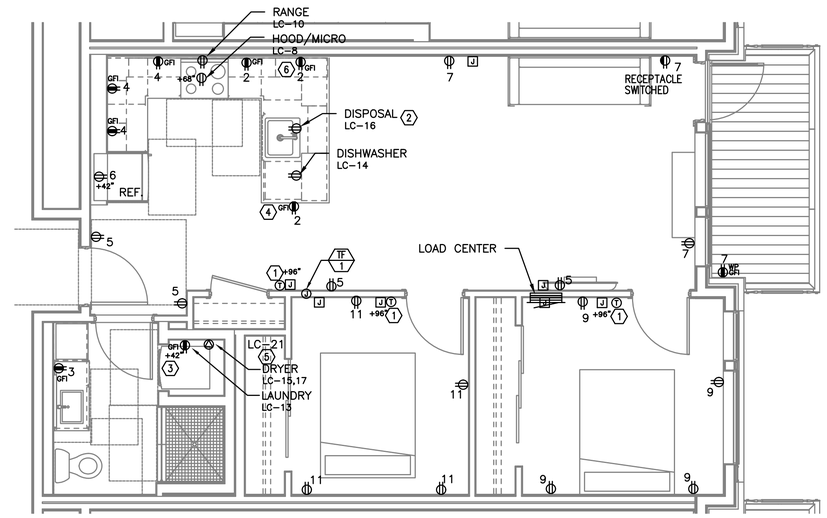
SHEET:
E4.17



TYPICAL UNIT TYPE HH

1 / E4.18 1 BED/1 BATH – POWER PLAN

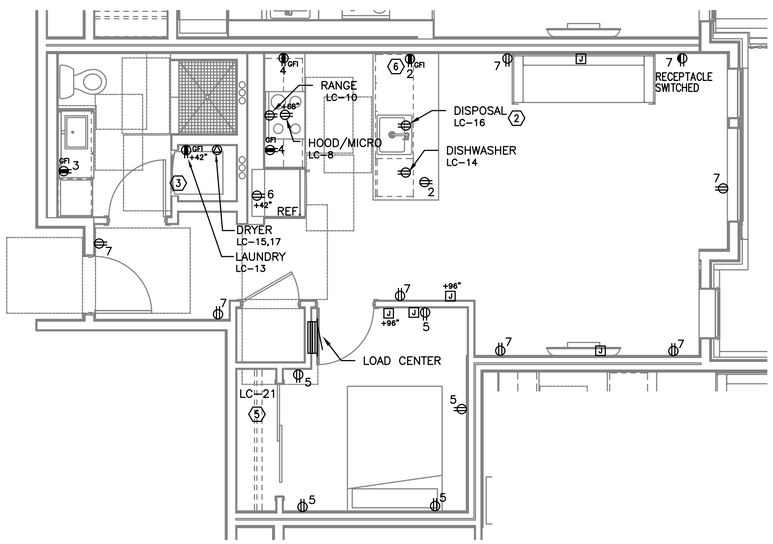
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE II

2 / E4.18 2 BED/1 BATH – POWER PLAN

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



TYPICAL UNIT TYPE JJ

3 / E4.18 1 BED/1 BATH – POWER PLAN

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

NOTE:

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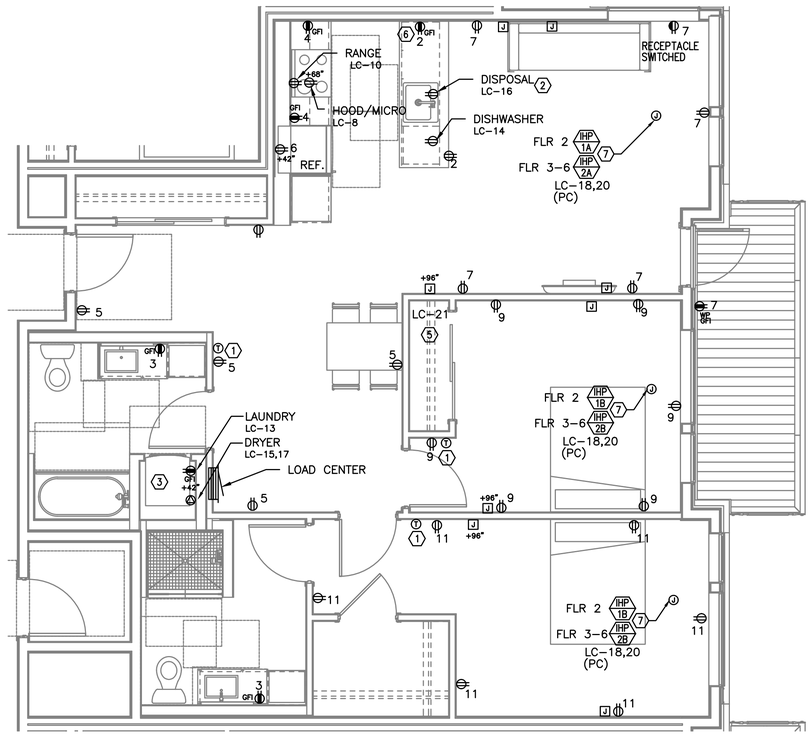
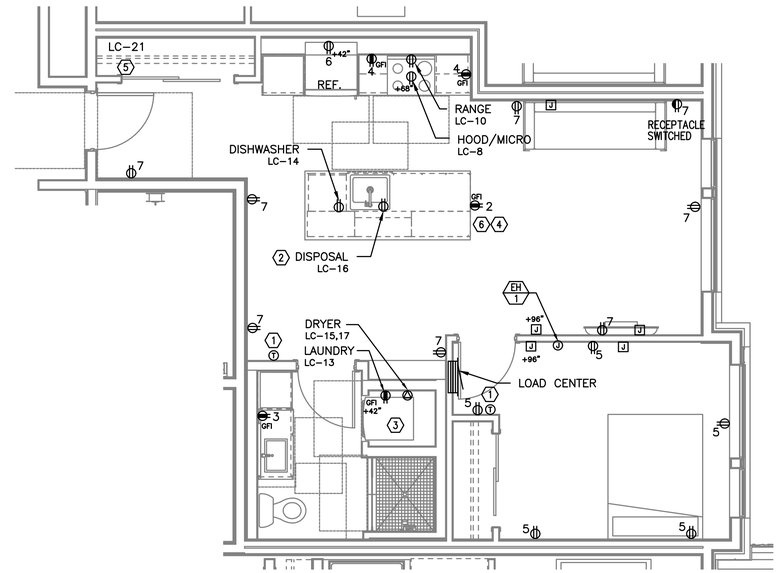
SHEET:

E4.18



TYPICAL UNIT TYPE KK
1 / E4.19 2 BED/2 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE LL
2 / E4.19 1 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"

NOTE:

REFER TO SHEET E4.10 FOR GENERAL AND KEYED POWER NOTES.

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PRELIMINARY NOT FOR CONSTRUCTION

PROJECT # 2017-053
DATE: 11/19/2021

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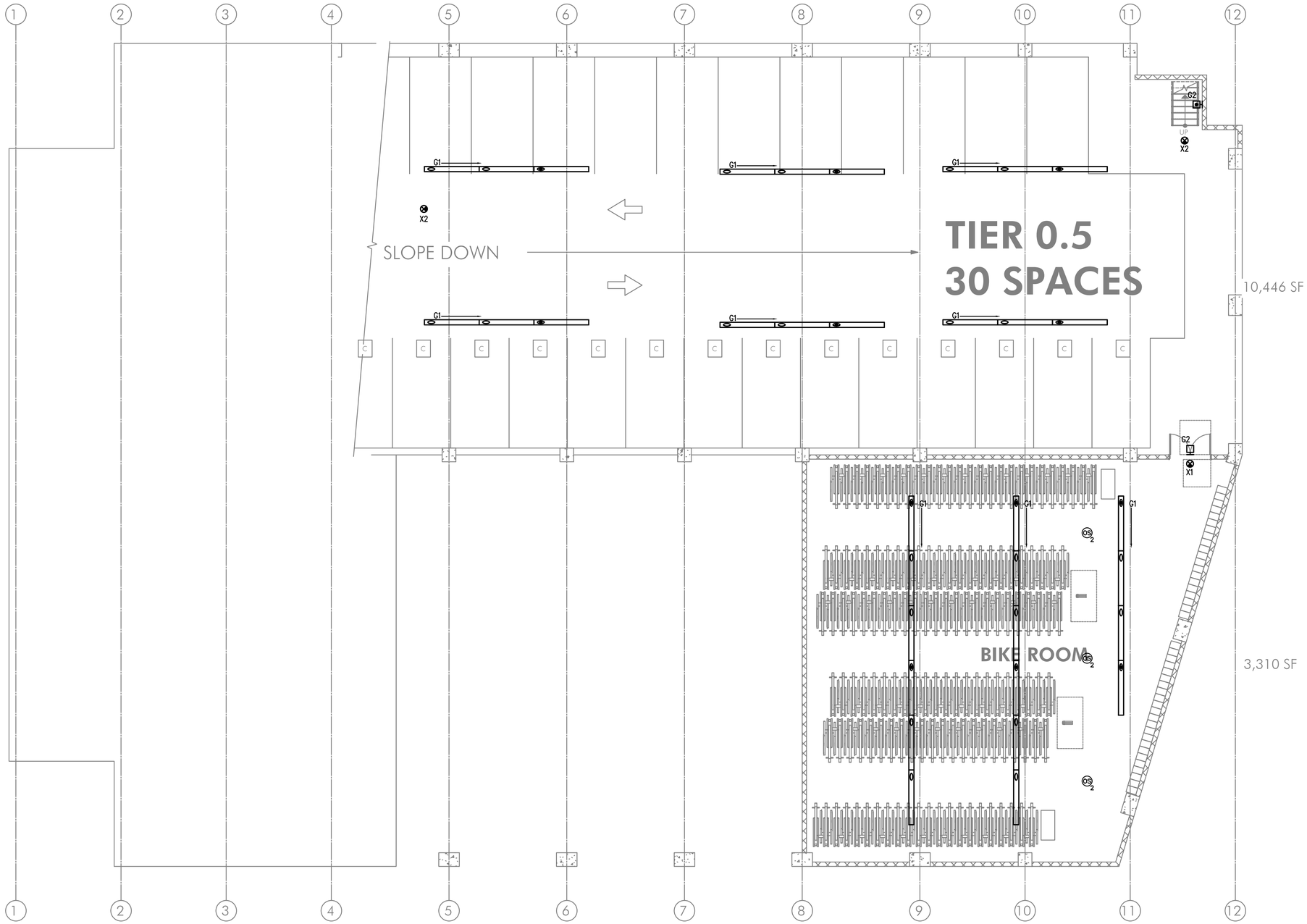
SHEET:
E4.19



1 / E5.00 GARAGE LIGHTING PLAN – BASEMENT LEVEL

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

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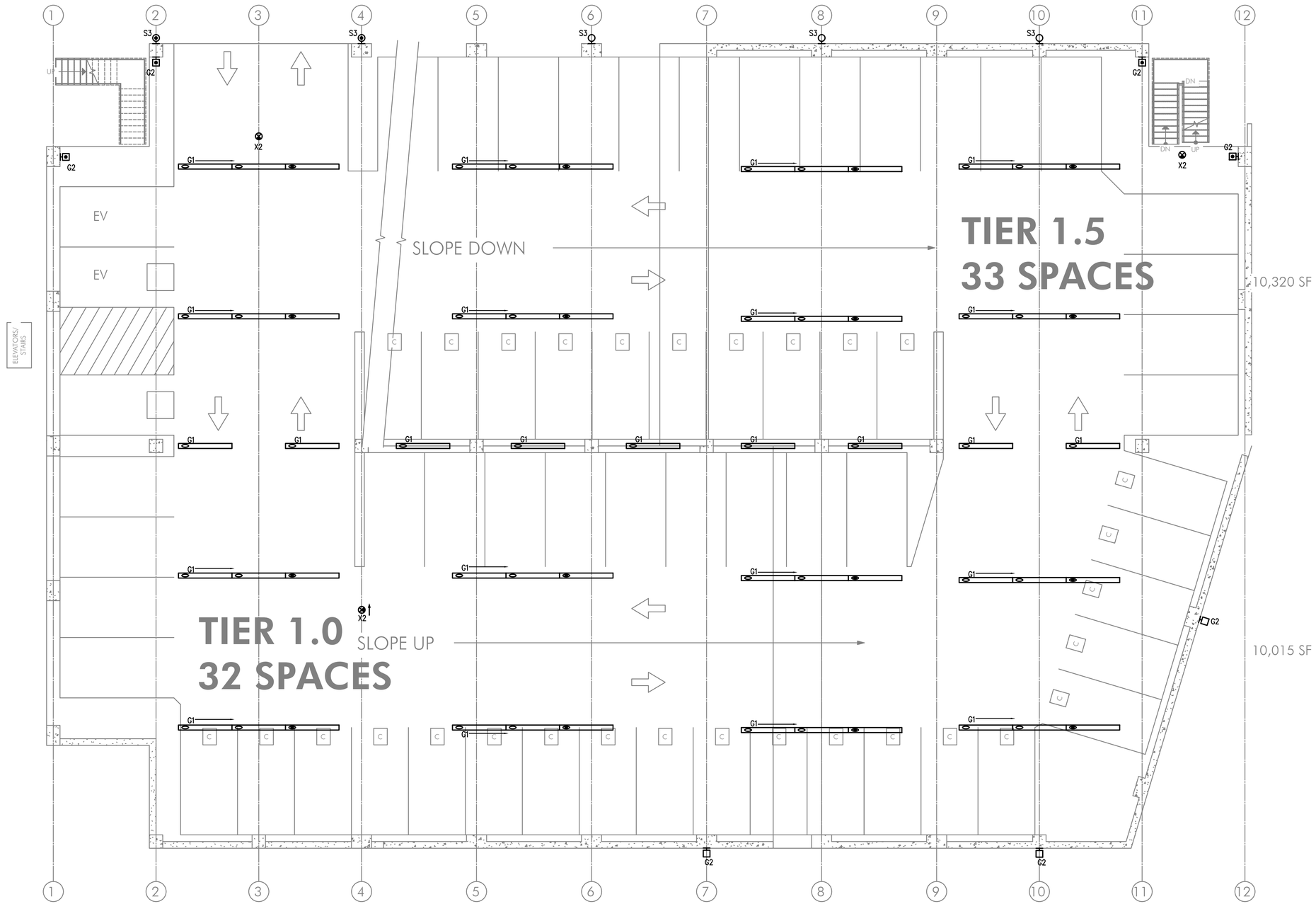
SHEET:

E5.00



1 / E5.01 GARAGE LIGHTING PLAN – LEVEL ONE
SCALE: 1/8" = 1'-0"

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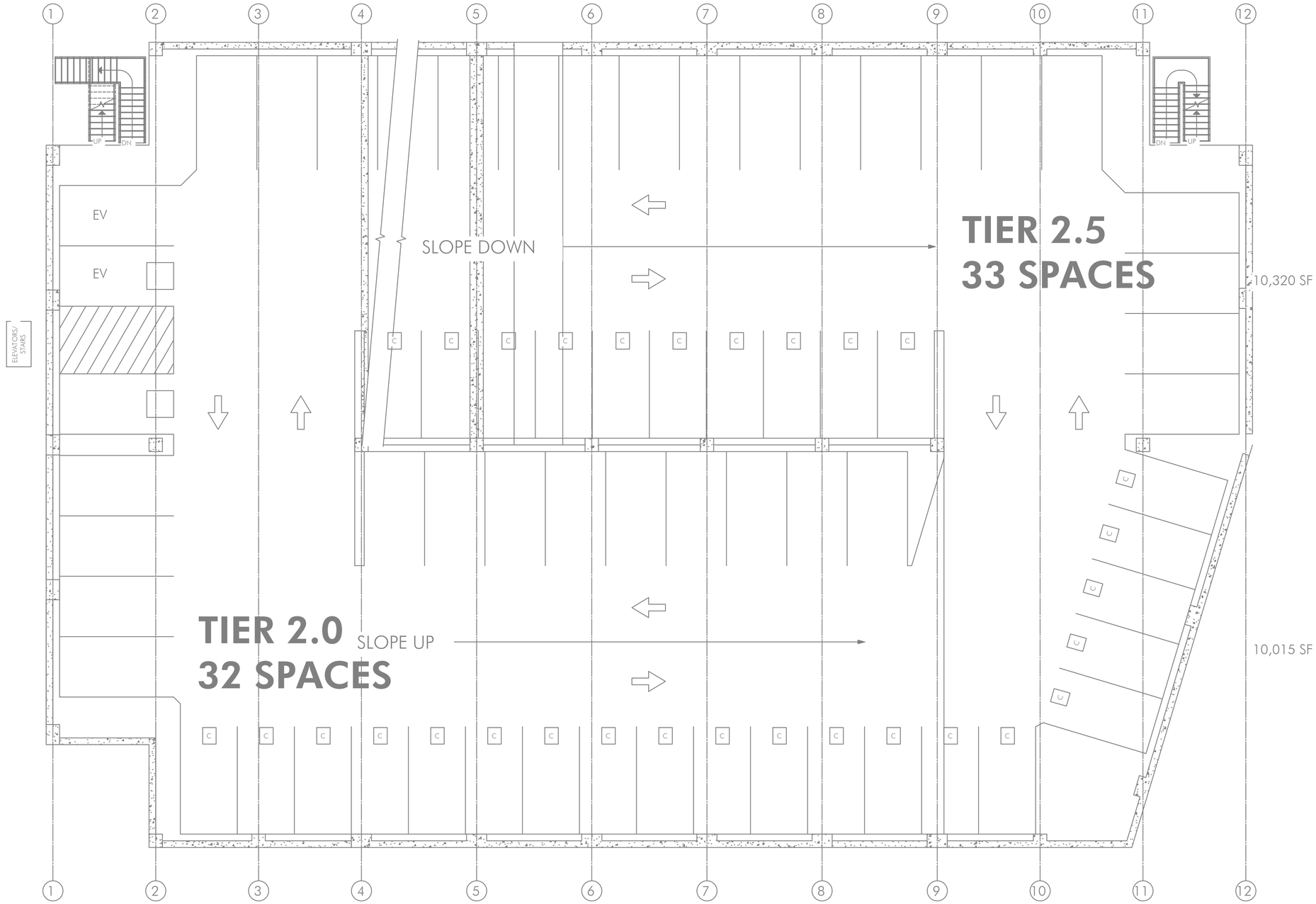

1 / E5.02 GARAGE LIGHTING PLAN – LEVEL TWO

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

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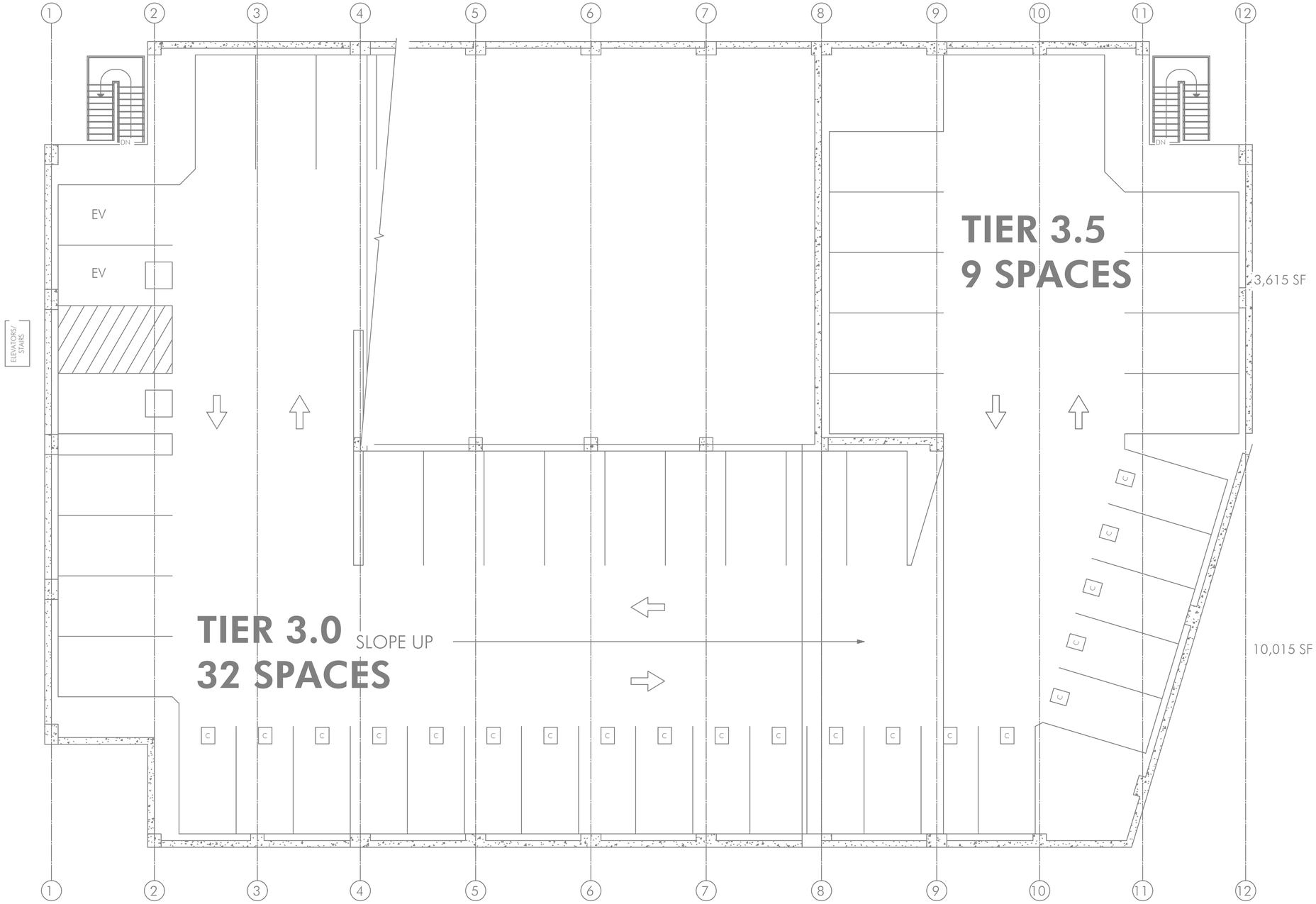

1 / E5.03 GARAGE LIGHTING PLAN – LEVEL THREE

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

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1 / E5.10 GARAGE POWER PLAN – BASEMENT LEVEL

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

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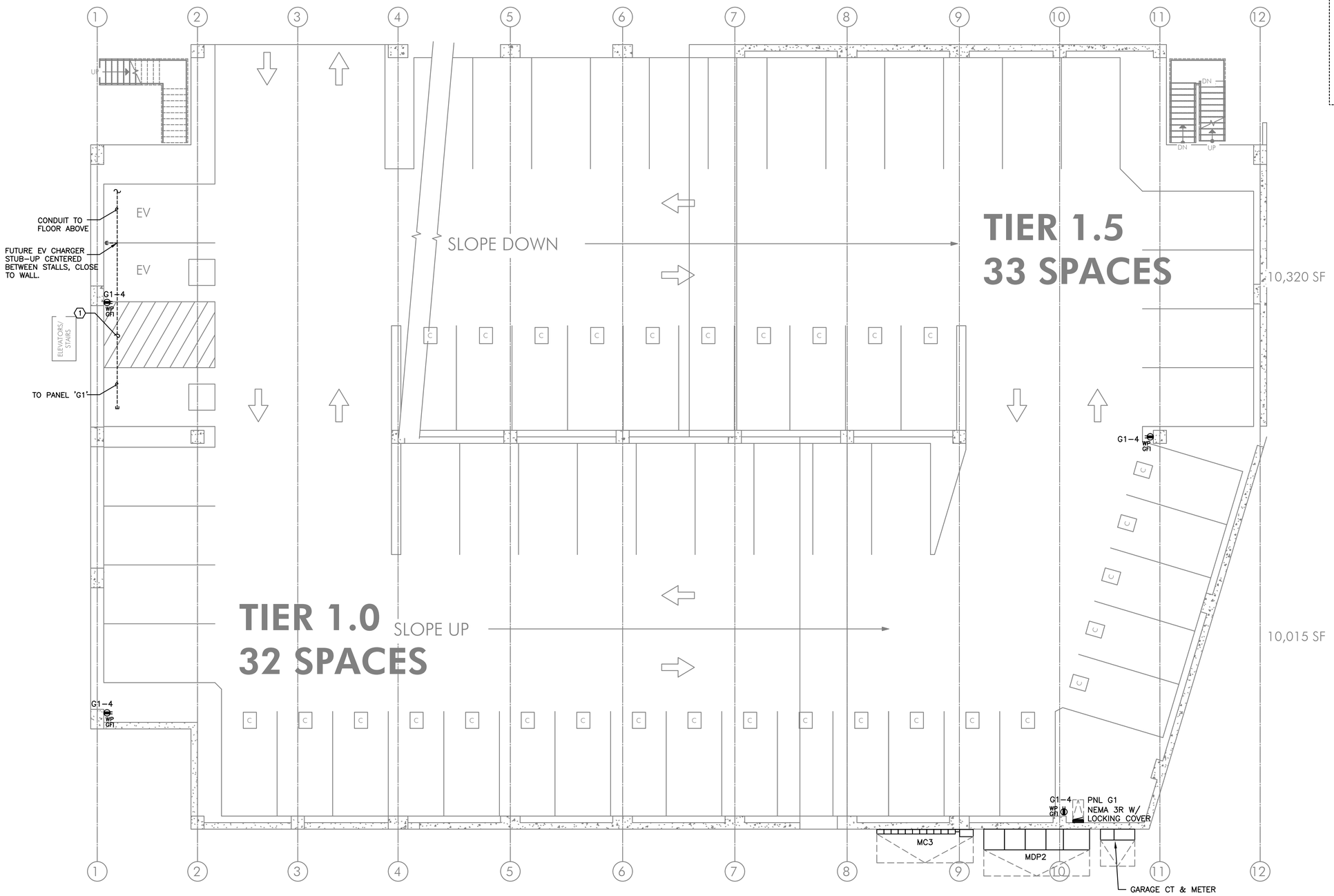
E5.10



1 / E5.11 GARAGE POWER PLAN – LEVEL ONE
SCALE: 1/8" = 1'-0"

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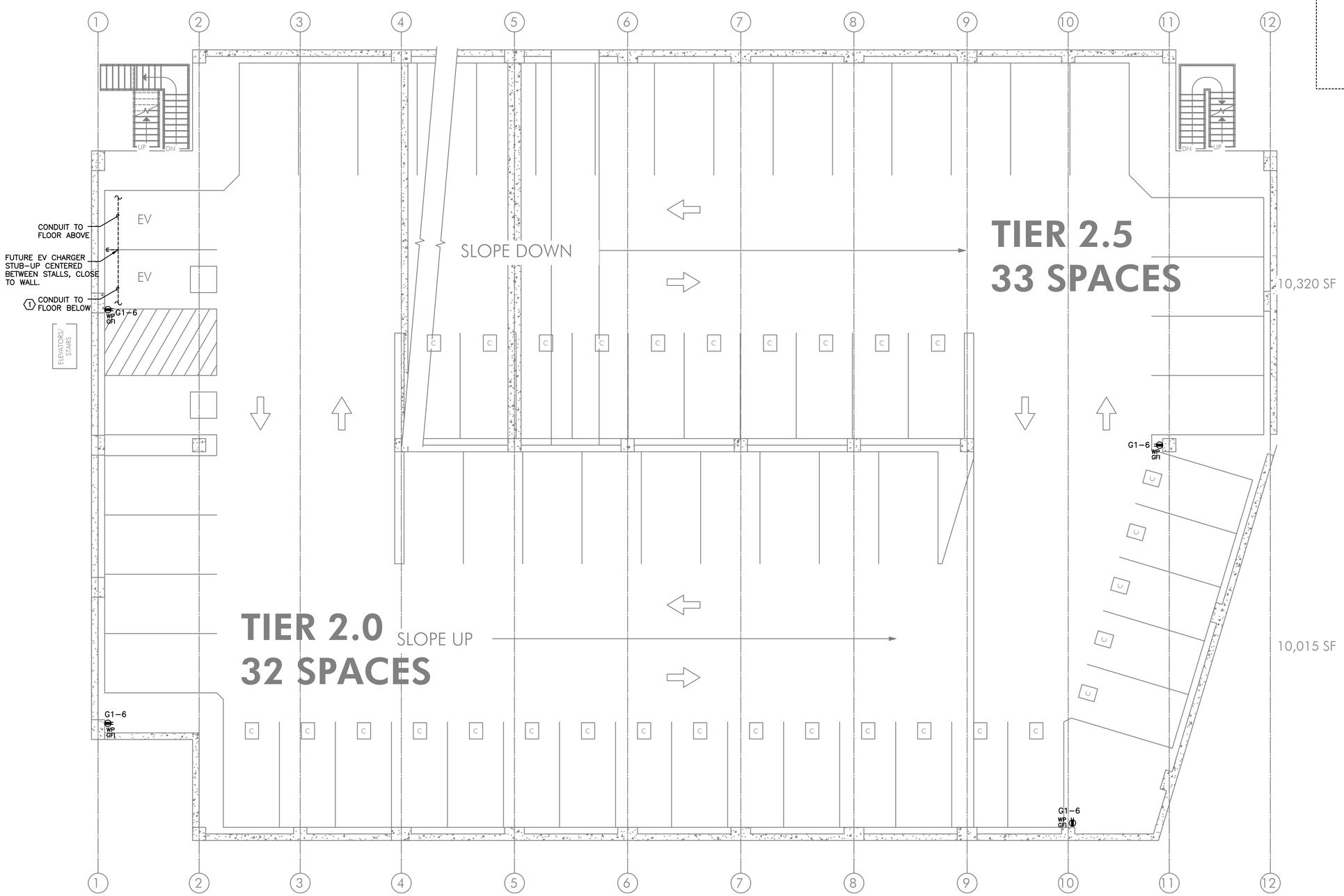
E5.11



1 / E5.12 GARAGE POWER PLAN – LEVEL TWO
SCALE: 1/8" = 1'-0"

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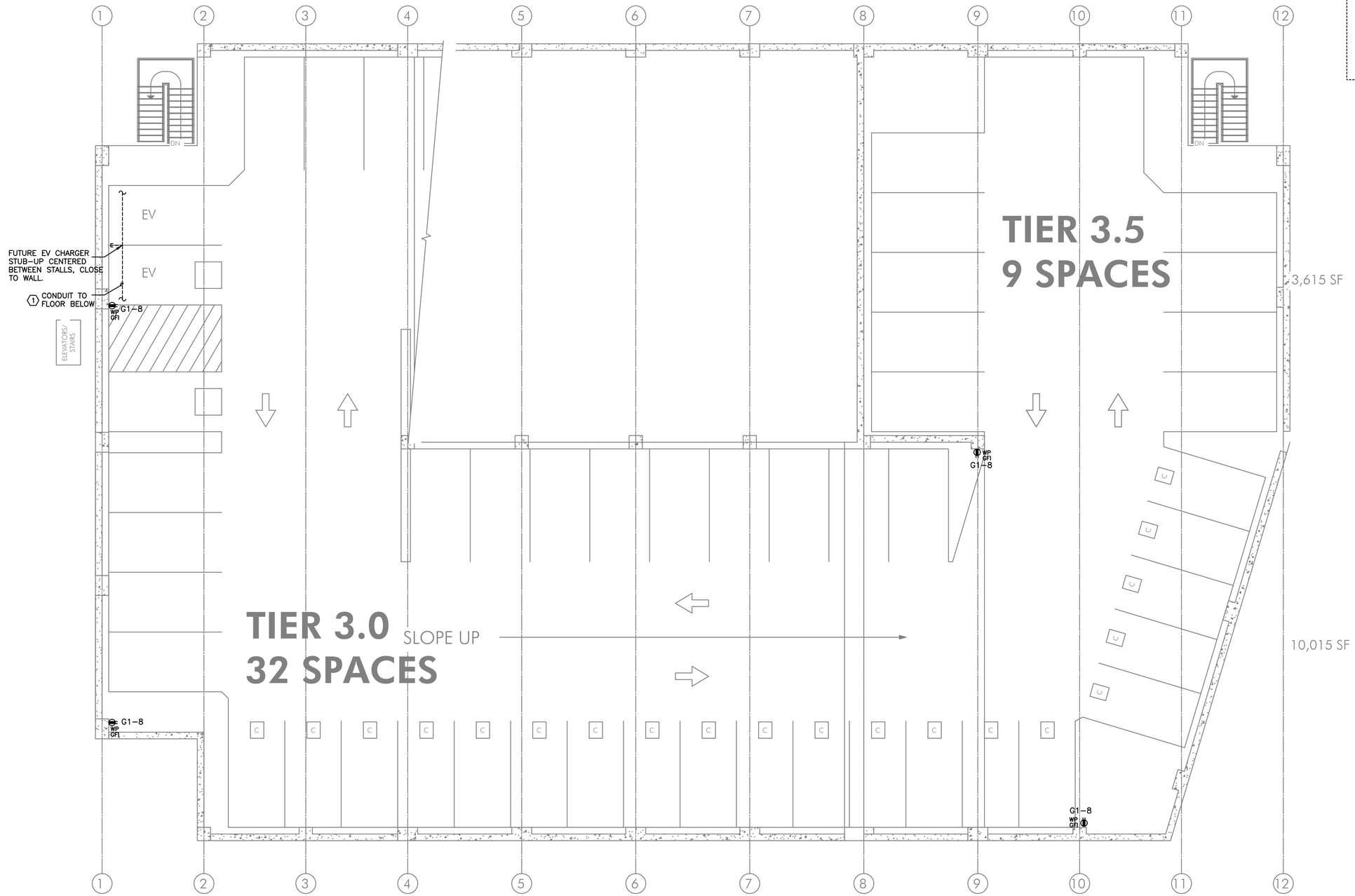
SHEET:

E5.12



1 / E5.13 GARAGE POWER PLAN – LEVEL THREE

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

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E5.13