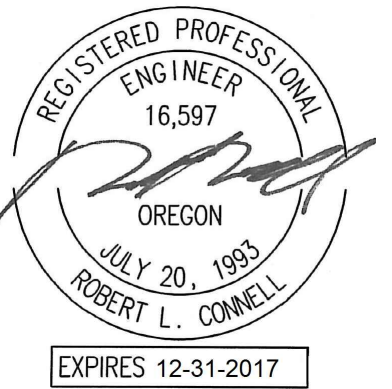


ELECTRICAL SYMBOL LIST



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PROJECT # 14-62
DATE: 01/19/2016

REVISIONS

**MISSISSIPPI AT COOK
MIXED-USE BUILDING**
751 NORTH COOK STREET PORTLAND, OREGON 97227

SHEET:
E1.00

LIGHTING SYMBOLS

- FLUORESCENT LIGHT FIXTURE, RECESSED. TYPE AS NOTED.
- FLUORESCENT LIGHT FIXTURE, RECESSED - EMERGENCY
- FLUORESCENT LIGHT FIXTURE, SURFACE MOUNT
- FLUORESCENT LIGHT FIXTURE, STRIP
- FLUORESCENT LIGHT FIXTURE, STRIP - EMERGENCY
- DOWNLIGHT FIXTURE, RECESSED
- DOWNLIGHT FIXTURE, RECESSED - EMERGENCY
- FLUORESCENT LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, TRACK W/ HEADS AS SHOWN ON PLAN
- EXIT SIGN, UNIVERSAL MOUNT, W/ DIRECTIONAL ARROW
- EMERGENCY LIGHT W/ BATTERY PACK, +8'-0" A.F.F.
- H.I.D. AREA LUMINAIRE, POLE MOUNT

SWITCH SYMBOLS

- SWITCH, SPST +44" A.F.F. TO CENTER
- SWITCH, 3-WAY +44" A.F.F. TO CENTER
- (2) SWITCHES, 3-WAY +44" A.F.F. TO CENTER
- SWITCH, 4-WAY +44" A.F.F. TO CENTER
- SWITCH, DIMMER +44" A.F.F. TO CENTER
- SWITCH, SPST, W/PILOT LIGHT +44" A.F.F. TO CENTER
- SWITCH, KEY-OPERATED +44" A.F.F. TO CENTER
- PHOTOCELL

- OCCUPANCY SENSOR CONTROL TYPE 1
WALL MOUNT - ON/OFF CONTROL ONLY
(TYPICAL FOR RESTROOMS, EQUIPMENT ROOMS & AREAS THAT DO NOT REQUIRE DIMMING)
- OCCUPANCY SENSOR CONTROL-TYPE 1 WITH DIMMING
WALL MOUNT
(TYPICAL FOR AMENITY AREAS, CONFERENCE ROOMS, OFFICES & AREAS THAT REQUIRE DIMMING)
- OCCUPANCY SENSOR CONTROL-TYPE 2 WITH 360 DEGREE COVERAGE
CEILING MOUNT - ON/OFF CONTROL ONLY

POWER SYMBOLS

- RECEPTACLE, DUPLEX +18" AFF
- RECEPTACLE, QUAD +18" AFF
- RECEPTACLE, MT'D ABOVE COUNTER OR HT. INDICATED
- RECEPTACLE, DUPLEX ON 'SWITCHED' CIRCUIT +18" AFF
- EMERGENCY DEVICES MT'D ABOVE COUNTER OR HT. INDICATED
- FURNITURE SYSTEM CONNECTION POKE THRU
- RECEPTACLE, SPECIAL (COORDINATE WITH EQUIPMENT SERVED)
- FLOORBOX WITH QUAD RECEPTACLE, REFER TO LOW VOLTAGE DRAWINGS FOR ADD'L REQUIREMENTS
- POWER POLE
- MAGNETIC MOTOR STARTER
- MANUAL MOTOR STARTER
- RELAY
- PUSHBUTTON STATION
- JUNCTION BOX
- THERMOSTAT, +44" AFF
- TRANSFORMER
- DISCONNECT, NON-FUSED
- DISCONNECT, FUSED
- MOTOR
- 277/480V ELECTRICAL PANEL
- 120/208V ELECTRICAL PANEL
- ELECTRICAL PANEL, RECESSED (FLUSH)
- ELECTRICAL PANEL, SURFACE
- MISCELLANEOUS PANEL, RECESSED
- MISCELLANEOUS PANEL, SURFACE

WIRING SYMBOLS

- PANEL DESIGNATION & CIRCUIT NUMBER
- DENOTES PART CIRCUIT (SHOWN IN MORE THAN ONE PLACE)
- HOMERUN BACK TO ELECTRICAL PANEL
- CONDUCTOR SIZE (IF OTHER THAN #12)
- PHASE CONDUCTOR
- NEUTRAL CONDUCTOR
- GROUND CONDUCTOR
- CONCEALED CONDUIT
- CONDUIT UNDERGROUND
- CONDUIT, STUBBED & CAPPED
- LIGHTING CIRCUIT - NORMAL POWER
- LIGHTING CIRCUIT - EMERGENCY POWER

NOTATIONS

- DRAWING NOTE
- DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
- MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
- REVISION DELTA
- FEEDER NO. (SEE FEEDER SCHEDULE)

ONE LINE DIAGRAM SYMBOLS

- CIRCUIT BREAKER (TRIP RATING & POLES AS INDICATED ON PLAN)
- MAIN SWITCH (RATING & POLES AS INDICATED ON PLAN)
- FUSE (RATING & CLASS AS INDICATED ON PLAN)
- GENERATOR (RATING AS INDICATED ON PLAN)
- TRANSFORMER (RATING AS INDICATED ON PLAN)
- TRANSFER SWITCH (MANUAL OR AUTOMATIC)
- FUSE (RATING & CLASS AS INDICATED ON PLAN)
- GROUND SYSTEM (SIZE AS INDICATED ON PLAN)
- WATER PIPE GROUND ELECTRODE
- UTILITY METER & METER BASE
- UTILITY METER CURRENT TRANSFORMER

(SCALE AS INDICATED ON PLANS)

(SCALE AS INDICATED ON PLANS)

(SCALE AS INDICATED ON PLANS)

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	GND	GROUND	SPD	SURGE PROTECTIVE DEVICE (TVSS)
AFG	ABOVE FINISH GRADE	HID	HIGH INTENSITY DISCHARGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
'ATS'	AUTOMATIC TRANSFER SWITCH	HP	HORSEPOWER	UG	UNDERGROUND
BOF	BOTTOM OF FIXTURE	JB	JUNCTION BOX	UNO	UNLESS NOTED OTHERWISE
C (C/W)	CONDUIT (CONDUIT & WIRE)	MCB	MAIN CIRCUIT BREAKER	VFD	VARIABLE FREQUENCY DRIVE
CATV	CABLE TELEVISION	MLO	MAIN LUGS ONLY	W	WIRE
CB	CIRCUIT BREAKER	'MTS'	MANUAL TRANSFER SWITCH	WG	WIRE GUARD
CCT	CIRCUIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	WP	WEATHERPROOF
CF/CI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	NEC	NATIONAL ELECTRICAL CODE	XFMR	TRANSFORMER
CT	CURRENT TRANSFORMER	NIC	NOT IN CONTRACT	XP	EXPLOSION PROOF
DBL	DOUBLE (AS IN DOUBLE SWITCHED)	NL	NIGHT LIGHT		
(E)	EXISTING	OL	OVERLOAD		
EG	EQUIPMENT GROUND	OF/OI	OWNER FURNISHED / OWNER INSTALLED		
EPO	EMERGENCY POWER OFF	OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED		
FA	FIRE ALARM	(PC)	PART CIRCUIT		
FACP	FIRE ALARM CONTROL PANEL	RGSC	RIGID STEEL CONDUIT		
GFI	GROUND FAULT INTERRUPTER	SEC	SECONDARY		

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



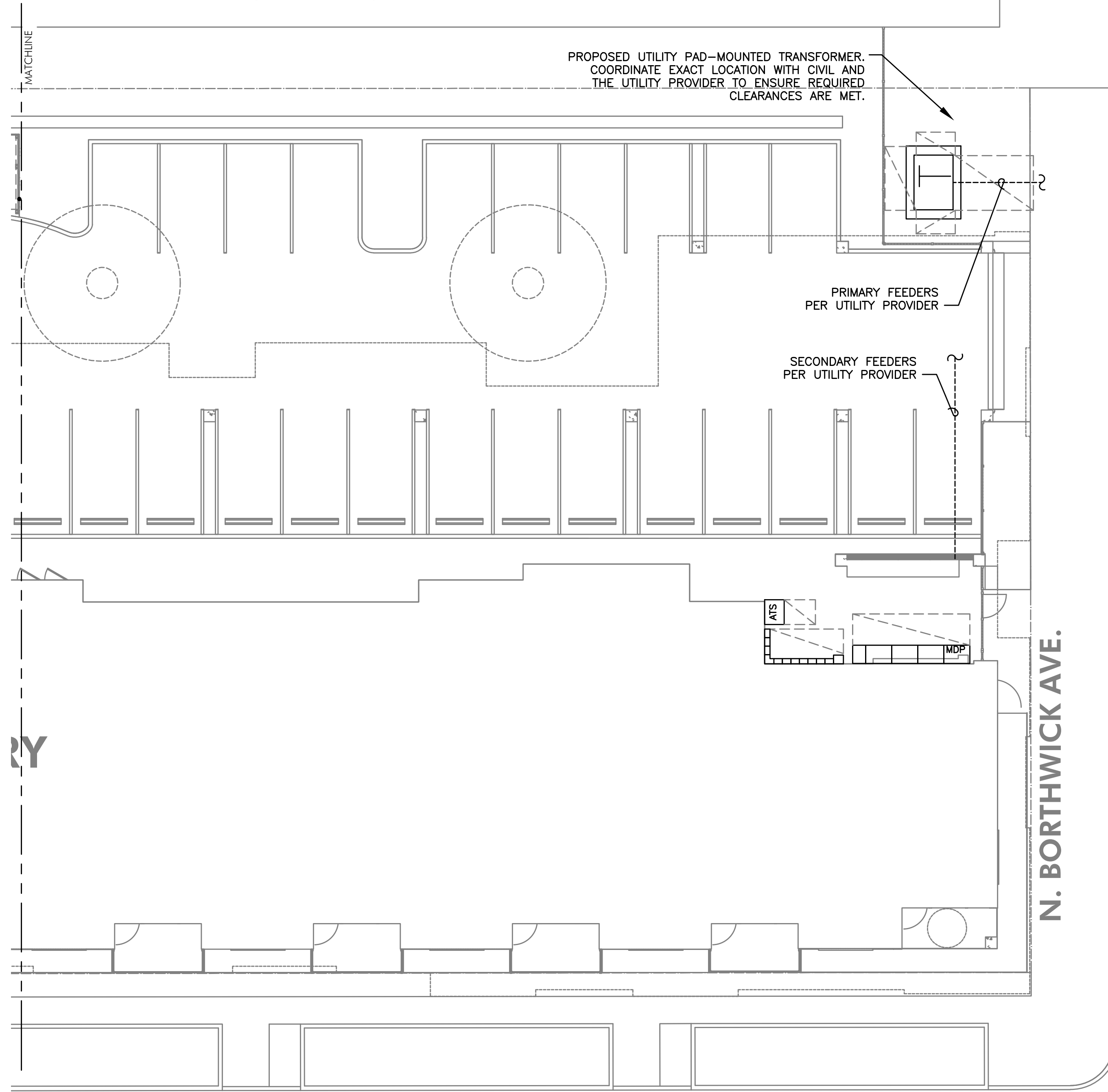
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GRAND CENTRAL BAKERY



GENERAL NOTES:

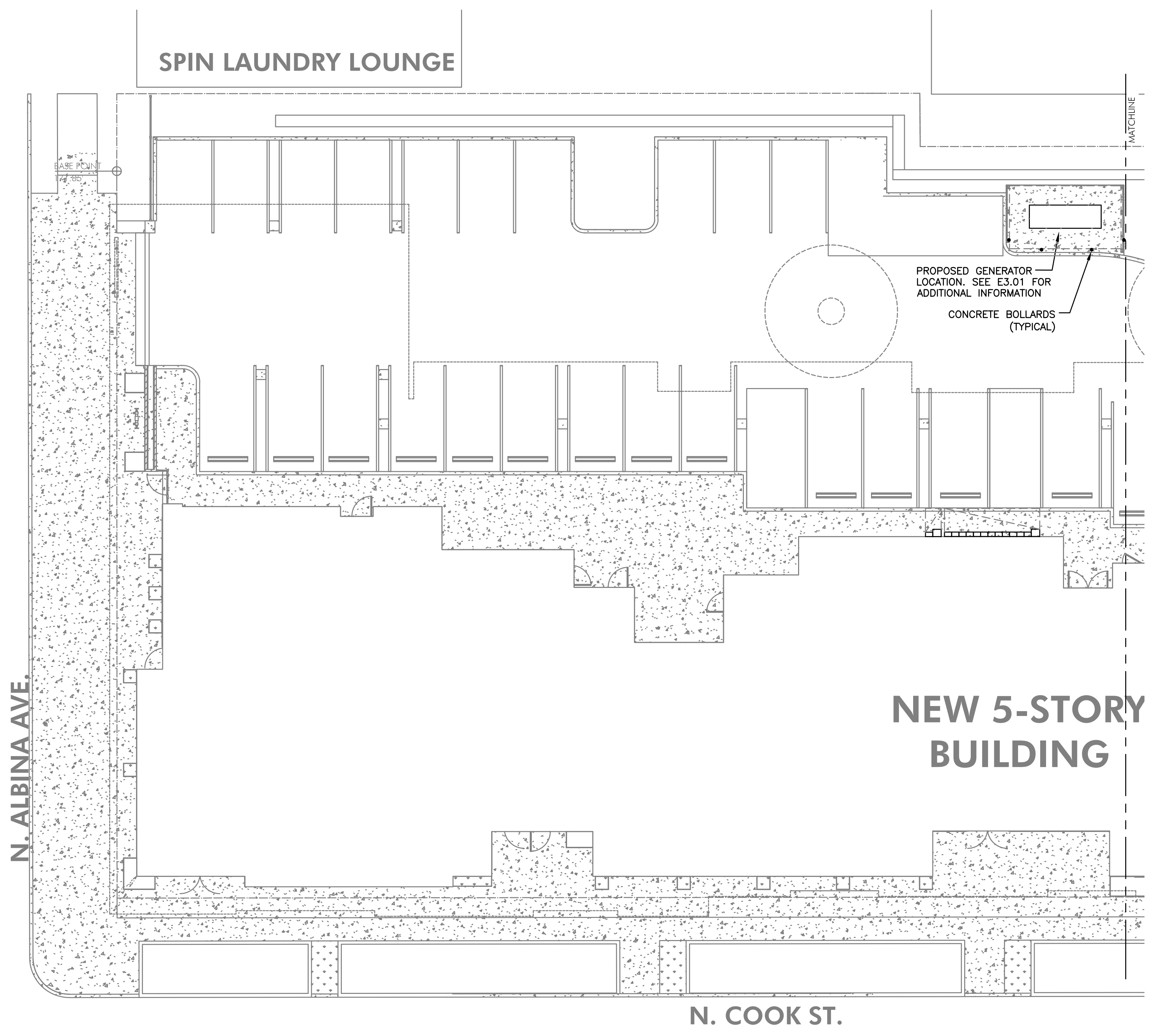
- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. REFER TO CIVIL UTILITY PLANS FOR EXACT LOCATION OF TRANSFORMER AND VAULT.
- C. U.G. PRIMARY FEEDER SHALL HAVE MINIMUM 48" BURY.
- D. U.G. SECONDARY FEEDER SHALL HAVE MINIMUM 36" BURY.
- E. REFER TO ONE LINE DIAGRAM SHEET E1.11 FOR FEEDER SCHEDULE.
- F. SECONDARY CONDUIT SWEEPS SHALL BE MIN. 60" RADIUS WITH A MINIMUM OF 7'-0" STRAIGHT CONDUIT RUN BETWEEN SWEEPS.
- G. LOCATION AND INSTALLATION OF PRIMARY AND SECONDARY CONDUITS, TRANSFORMER AND TRANSFORMER VAULT SHALL BE PROVIDED PER PGE RULES AND REQUIREMENTS.
- H. DIESEL GENERATOR TANK SHALL DOUBLE WALLED 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.
- I. GENERATOR SYSTEM SHALL PROVIDE EMERGENCY AND STAND BY POWER FOR BUILDING SYSTEMS INDICATED IN ON THE ONE-LINE DIAGRAM. GENERATOR INSTALLATION SHALL MEET ALL APPLICABLE CODE REQUIREMENTS.

2 SITE ELECTRICAL PLAN - EAST
E1.01 SCALE: 1" = 10'-0"

M Consulting Engineers
F 2007 S.E. Ash St.
E Portland, OR 97214
A PHN: (503) 234-0548
INC. FAX: (503) 234-0877
WWW.MFIA-ENG.COM
CONTACT: DENISE TAYLOR

SHEET:

E1.01E



1 SITE ELECTRICAL PLAN - WEST
 E1.01 SCALE: 1" = 10'-0"

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.
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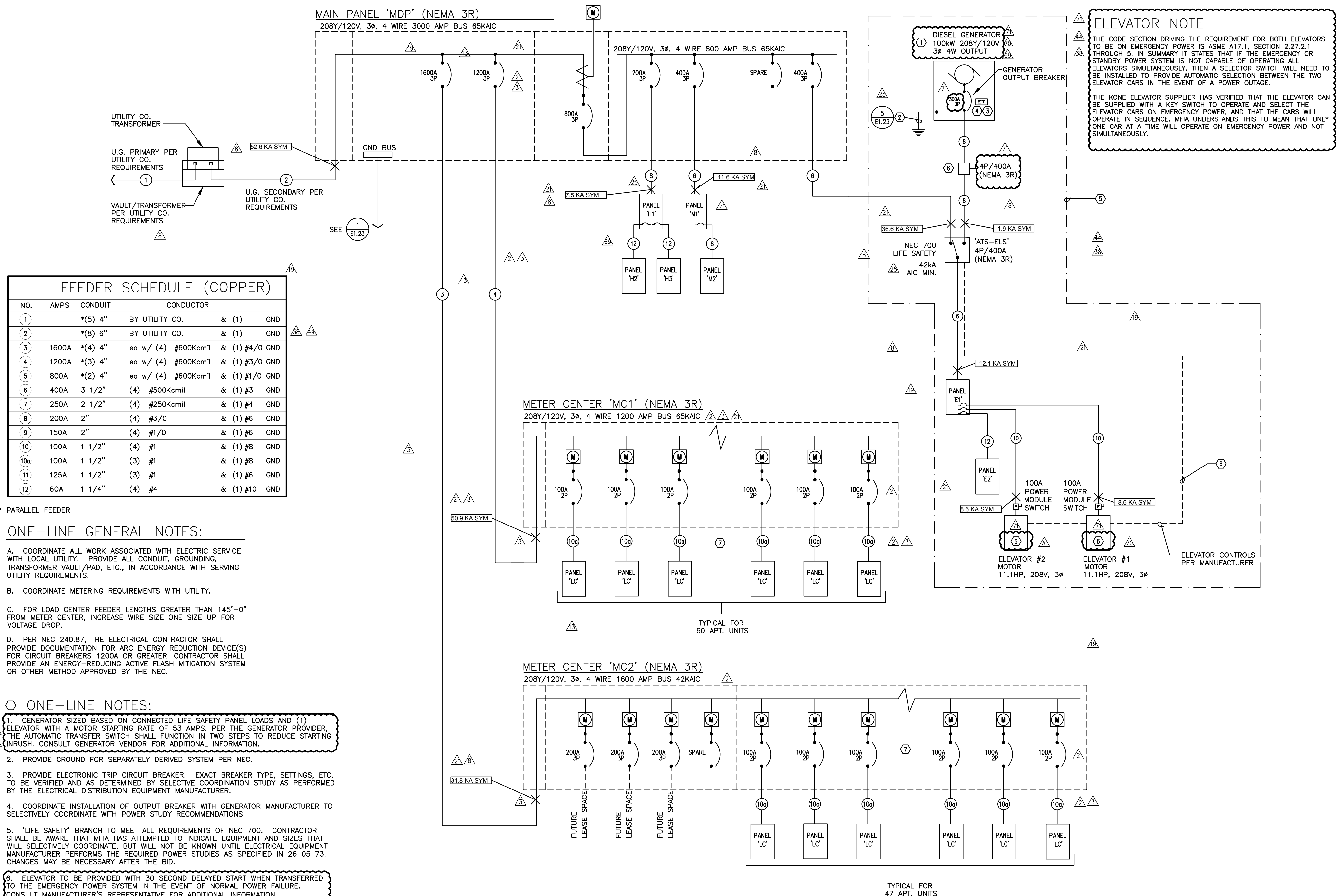
- REVISIONS
- COORDINATION 06.30.17
 - COORDINATION 09.15.17
 - COORDINATION 12.01.17
 - COORDINATION 07.26.19
 - COORDINATION 08.09.19
 - COORDINATION 08.30.19

MISSISSIPPI AT COOK
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ELEVATOR NOTE

THE CODE SECTION DRIVING THE REQUIREMENT FOR BOTH ELEVATORS TO BE ON EMERGENCY POWER IS ASME A17.1, SECTION 2.27.2.1 THROUGH 5. IN SUMMARY IT STATES THAT IF THE EMERGENCY OR STANDBY POWER SYSTEM IS NOT CAPABLE OF OPERATING ALL ELEVATORS SIMULTANEOUSLY, THEN A SELECTOR SWITCH WILL NEED TO BE INSTALLED TO PROVIDE AUTOMATIC SELECTION BETWEEN THE TWO ELEVATOR CARS IN THE EVENT OF A POWER OUTAGE.

THE KONE ELEVATOR SUPPLIER HAS VERIFIED THAT THE ELEVATOR CAN BE SUPPLIED WITH A KEY SWITCH TO OPERATE AND SELECT THE ELEVATOR CARS ON EMERGENCY POWER, AND THAT THE CARS WILL OPERATE IN SEQUENCE. MFIA UNDERSTANDS THIS TO MEAN THAT ONLY ONE CAR AT A TIME WILL OPERATE ON EMERGENCY POWER AND NOT SIMULTANEOUSLY.



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

MFIA Consulting Engineers
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Portland, OR 97214
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- REVISIONS
- △ COORDINATION 04.14.17
 - △ COORDINATION 09.15.17
 - △ COORDINATION 10.20.17
 - △ COORDINATION 06.14.19
 - △ COORDINATION 07.26.19
 - △ COORDINATION 08.30.19

MISSISSIPPI AT COOK
MIXED-USE BUILDING
751 NORTH COOK STREET PORTLAND, OREGON 97227

The Cook Apartments
LOAD SUMMARY - MAIN PANEL 'MDP' 6/6/2019

LOAD:	LIGHTS	RECEPT	HEAT	KITCHEN	EQUIP	MOTORS	MISC	LARGEST MOTOR
PANEL H1/H2	7,505	25,000	12,000	5,600	7,200	0	0	
PANEL M1/M2	0	1,440	38,600	0	10,100	86,744	0	
Panel E1/E2	0	0	0	0	0	0	66,000	
MC1 (Tenant Meters)	0	0	0	0	0	0	378,000	
MC2 (Tenant & Retail Meters)	0	0	0	0	0	0	326,000	
SUBTOTAL	7,505	26,440	50,600	5,600	17,300	86,744	770,000	0
X-FACTOR	1.25	1 + .5	1	0.65	1	1	1	0.25
CODE LOAD:	9,381	18,220	50,600	3,640	17,300	86,744	770,000	

CONN LOAD: 964 KVA

VOLTS: 208 3ph
TOTAL CALC: 956 KVA
CALC AMPS: 2653 AMPS

The Cook Apartments
LOAD SUMMARY - EMERGENCY GENERATOR LOADS 8/7/2019

LOAD:	LIGHTS	RECEPT	HEAT	KITCHEN	EQUIP	MOTORS	ELEVATOR	LARGEST MOTOR
Panel 'E1' (Life/Safety)	3,916	0	0	0	7,500	1,500	0	
Panel 'E2' (Life/Safety)	1,359	0	0	0	2,120	8,760	0	
Elevator # 1							19,080	19,080
Elevator # 2							19,080	
SUBTOTAL	5,275	0	0	0	9,620	10,260	38,160	19,080
X-FACTOR	1.25	1 + .5	1	0.65	1	1	1	0.25
CODE LOAD:	6,594	0	0	0	9,620	10,260	38,160	4,770

CONN LOAD: 63 KVA

VOLTS: 208 3ph
TOTAL CALC: 69 KVA
CALC AMPS: 193 AMPS

The Cook Apartments
LOAD SUMMARY - METER CENTER 'MC2' 5/25/2017

LOAD:	LIGHTS	RECEPT	HEAT	KITCHEN	EQUIP	MOTORS	MISC	LARGEST MOTOR
Residential Loads								326,000
Lease Space #A (Future) [estim. @ 30w/sf]								55,000
Lease Space #B (Future) [estim. @ 15w/sf]								13,000
SUBTOTAL	0	0	0	0	0	0	0	394,000
X-FACTOR	1.25	1 + .5	1	0.65	1	1	1	0.25
CODE LOAD:	0	0	0	0	0	0	0	394,000

CONN LOAD: 394 KVA

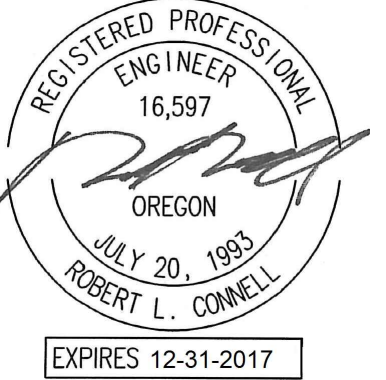
VOLTS: 208 3ph
TOTAL CALC: 394 KVA
CALC AMPS: 1094 AMPS

MECHANICAL EQUIPMENT SCHEDULE

NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
EF-1	EXHAUST FAN NO.1	20W	120	1		1/2"	#12	#12	REFER TO UNIT PLANS
EF-2	EXHAUST FAN NO.2	1/6HP	120	1		1/2"	#12	#12	REFER TO SHEET E3.01
EF-3	EXHAUST FAN NO.3	1/6HP	120	1		1/2"	#12	#12	REFER TO UNIT PLANS
EF-4	EXHAUST FAN NO. 4	1/2HP	120	1		1/2"	#12	#12	E2-9
EF-5	EXHAUST FAN NO.5	1 HP	208	1		1/2"	#12	#12	E2-15,17
EF-6	EXHAUST FAN NO.6	1/2 HP	120	1		1/2"	#12	#12	E2-10
EF-7	EXHAUST FAN NO.7	3/4 HP	208	1		1/2"	#12	#12	E2-12,14
EF-8	EXHAUST FAN NO.8	3/4 HP	208	1		1/2"	#12	#12	E2-20,22
EF-9	EXHAUST FAN NO.9	1/2 HP	120	1		1/2"	#12	#12	E2-16
EF-10	EXHAUST FAN NO.10	1/2 HP	120	1		1/2"	#12	#12	E2-18
EF-11a	EXHAUST FAN NO.11a	1/40 HP	120	1		1/2"	#12	#12	REFER TO SHEET E3.01
EF-11b	EXHAUST FAN NO.11b	1/40 HP	120	1		1/2"	#12	#12	REFER TO SHEET E3.01
EH-1	ELECTRIC WALL HEATER NO.1	1.5 KW	208	1		1/2"	#12	#12	REFER TO UNIT PLANS
EH-2	ELECTRIC WALL HEATER NO.2	1.5 KW	120	1		1/2"	#12	#12	SEE E3.01
EH-3	ELECTRIC WALL HEATER NO.3	4.0 KW	208	1		1/2"	#12	#12	SEE E3.01
EH-4	ELECTRIC WALL HEATER NO.4	500W	120	1		1/2"	#12	#12	SEE E3.01
EH-5a	ELECTRIC WALL HEATER NO.5a	2850W	208	1		1/2"	#12	#12	M1-2,4
EH-5b	ELECTRIC WALL HEATER NO.5b	2850W	208	1		1/2"	#12	#12	M1-6,8
GEF-1	GRILL EXHAUST FAN NO.1	1/3 HP	120	1		1/2"	#12	#12	SEE SHEET E3.05
GEF-2	GRILL EXHAUST FAN NO.2	1/3 HP	120	1		1/2"	#12	#12	SEE SHEET E3.05
FC-1	FAN COIL UNIT NO.1		208	1	82.4 MCA	1 1/4"	#2	#8	M1-19,21
HP-1	HEAT PUMP NO.1		208	3	18.7 MCA	1/2"	#12	#12	M2-6,8,10
FC-2	FAN COIL UNIT NO.2		208	1	55.1 MCA	1"	#4	#10	M1-20,22
HP-2	HEAT PUMP NO.2		208	3	14.1 MCA	1/2"	#12	#12	M2-12,14,16
IHP-1	MINI SPLIT SYST NO.1 (INDOOR)								
OHP-1	MINI SPLIT SYST NO.1 (OUTDOOR)		208	1	25.0 MCA	3/4"	#8	#10	REFER TO UNIT PLANS
HP-2A	MINI SPLIT SYST NO.2A (INDOOR)								
HP-2B	MINI SPLIT SYST NO.2B (INDOOR)								
OHP-2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	18.0 MCA	1/2"	#12	#12	REFER TO UNIT PLANS
IHP-3	MINI SPLIT SYST NO.3 (INDOOR)								
OHP-3	MINI SPLIT SYST NO.3 (OUTDOOR)		208	1	12.0 MCA	1/2"	#12	#12	REFER TO UNIT PLANS
IHP-4	MINI SPLIT SYST NO.4 (INDOOR)								
OHP-4	MINI SPLIT SYST NO.4 (OUTDOOR)		208	1	15.5 MCA	1/2"	#12	#12	REFER TO UNIT PLANS
RTU-1	AIR HANDLING UNIT NO.1		208	3	41.0 MCA	3/4"	#6	#10	M2-1,3,5
RTU-2	AIR HANDLING UNIT NO.2		208	3	29.0 MCA	3/4"	#8	#10	M2-7,9,11
PTHP-1	THRU-WALL HEAT PUMP NO.1	3.5KW	208	1		1/2"	#10	#10	REFER TO UNIT PLANS
PTHP-2	THRU-WALL HEAT PUMP NO.2	3.5KW	208	1		1/2"	#10	#10	REFER TO UNIT PLANS
RP-1	RECIRC. PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	M1-38
RP-2	RECIRC. PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	M1-40
SP-1	SUMP PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	E1-18 (PC)
SP-2	SUMP PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	E1-18 (PC)
P-1	BOOSTER PUMP NO.1	(2) 5HP	208	3	28.8 EA.	1"	#4	#10	M1-37,39,41
WH-1	WATER HEATER NO.1 (GAS)		120	1		1/2"	#12	#12	M1-35 (PC)
WH-2	WATER HEATER NO.2 (GAS)		120	1		1/2"	#12	#12	M1-35 (PC)
WH-3	WATER HEATER NO.3 (GAS)		120	1		1/2"	#12	#12	M1-35 (PC)
SF-1	SUPPLY FAN NO.1	3/4HP	208	3		1/2"	#12	#12	M2-11,13,15
FP-1	FIREPLACE BOOSTER FAN NO.1	1HP	208	3		1/2"	#12	#12	M2-26,28,30

GENERAL EQUIPMENT NOTES:

- A. CONTRACTOR/DESIGNER SHALL VERIFY ALL MECHANICAL EQUIPMENT CONNECTION LOAD REQUIREMENTS WITH THE MECHANICAL EQUIPMENT PROVIDER PRIOR TO ROUGH IN.
- B. MECHANICAL EQUIPMENT SIZES SHOWN IN THE MECHANICAL SCHEDULE ABOVE ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL EQUIPMENT TO BE INSTALLED.
- C. FIREPLACE BOOSTER FAN TO BE INTERCONNECTED WITH THE INTERNAL FIREPLACE FAN (LOBBY AREA ONLY). CONTRACTOR SHALL COORDINATE WITH BOTH THE MANUFACTURER AND THE INSTALLER FOR EXACT POWER REQUIREMENTS PRIOR TO ROUGH IN.
- D. CONTRACTOR SHALL CONSULT MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL MECHANICAL EQUIPMENT AND INSTALL AS INSTRUCTED. CONTRACTOR SHALL CONSULT MANUFACTURER DOCUMENTATION FOR WIRING DIAGRAMS AND REQUIRED ELECTRICAL COMPONENTS AND PROVIDE AS REQUIRED FOR COMPLETE INSTALLATION. WORK SHALL BE PERFORMED SUCH THAT MANUFACTURER WARRANTY IS NOT VOIDED.



IN THE EVENT CONFLICTS ARE DISCOVERED BETWEEN THE ORIGINAL SIGNED AND SEALED DOCUMENTS PREPARED BY THE ARCHITECTS AND/OR THEIR CONSULTANTS, AND ANY COPY OF THE DOCUMENTS TRANSMITTED BY MAIL, FAX, ELECTRONICALLY OR OTHERWISE, THE ORIGINAL SIGNED AND SEALED DOCUMENTS SHALL CONTROL.

PROJECT # 14-62 DATE: 01/19/2016

- REVISIONS
COORDINATION 10.20.17
COORDINATION 01.25.19
COORDINATION 06.14.19
COORDINATION 07.26.19
COORDINATION 08.09.19
COORDINATION 08.30.19

MISSISSIPPI AT COOK MIXED-USE BUILDING 751 NORTH COOK STREET PORTLAND, OREGON 97227

MFA PANEL SCHEDULE table for panel E1, 1st floor, connected load amps 166. Lists various services like lights, receptacles, heating, kitchen, and motors with their respective ratings and phases.

MFA PANEL SCHEDULE table for panel H1, 1st floor, connected load amps 188. Lists various services like lights, receptacles, heating, kitchen, and motors with their respective ratings and phases.

MFA PANEL SCHEDULE table for panel M1, 1st floor, connected load amps 360. Lists various services like lights, receptacles, heating, kitchen, and motors with their respective ratings and phases.

MFA PANEL SCHEDULE table for panel E2, 4th floor, connected load amps 35. Lists various services like lights, receptacles, heating, kitchen, and motors with their respective ratings and phases.

MFA PANEL SCHEDULE table for panel H2, 3rd floor, connected load amps 33. Lists various services like lights, receptacles, heating, kitchen, and motors with their respective ratings and phases.

MFA PANEL SCHEDULE table for panel M2, 4th floor, connected load amps 164. Lists various services like lights, receptacles, heating, kitchen, and motors with their respective ratings and phases.

MFA PANEL SCHEDULE table for panel H3, 1st floor, connected load 56. Lists various services like keg cooler, disposal, dishwasher, microwave, warming drawer, and refrigerator with their respective ratings and phases.



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PROJECT # 14-62 DATE: 01/19/2016

- REVISIONS: PLAN REVIEW 05.10.16, PLAN REVIEW 07.22.16, COORDINATION 01.27.17, COORDINATION 04.14.17, COORDINATION 06.30.17

MISSISSIPPI AT COOK MIXED-USE BUILDING 751 NORTH COOK STREET PORTLAND, OREGON 97227

Table with columns: UNIT TYPE, QTY PER FLOOR, TOTAL, AREA (SF), and various appliance load categories (LTC/RECEPT, SM APPL, LAUNDRY, COOKING, MICROWAVE, DISHWASHER, ELECT DRYER, WATER HEATER, DISPOSAL, MOTORS, LARGEST OF: AC/HEATING).

VOLTS: 208 3ph, TOTAL CONNECTED: 1575 KVA, DEMAND FACTOR: 0.24, TOTAL CALCULATED: 378 KVA, CALCULATED AMPS: 1050 AMPS

Table with columns: UNIT TYPE, QTY PER FLOOR, TOTAL, AREA (SF), and various appliance load categories (LTC/RECEPT, SM APPL, LAUNDRY, COOKING, MICROWAVE, DISHWASHER, ELECT DRYER, WATER HEATER, DISPOSAL, MOTORS, LARGEST OF: AC/HEATING).

VOLTS: 208 3ph, TOTAL CONNECTED: 1252 KVA, DEMAND FACTOR: 0.26, TOTAL CALCULATED: 326 KVA, CALCULATED AMPS: 905 AMPS

MFA CIRCUIT DIRECTORY 31-JUL-17. Table listing loadcenter name, voltage, phase, bus & main, and various appliance loads (LIGHTS-KITCHEN/LIVING, LTS - BATH, RECEPT - BATH, etc.).

MFA CIRCUIT DIRECTORY 31-JUL-17. Table listing loadcenter name, voltage, phase, bus & main, and various appliance loads (LIGHTS-KITCHEN/LIVING, LTS - BEDROOM, RECEPT - BATH, etc.).

MFA CIRCUIT DIRECTORY 31-JUL-17. Table listing loadcenter name, voltage, phase, bus & main, and various appliance loads (LIGHTS-KITCHEN/LIVING, LTS - BEDROOMS, RECEPT - BATH, etc.).

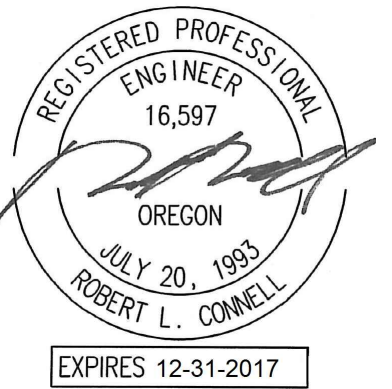
GENERAL APARTMENT NOTES: A. PROVIDE ONE 30A, 2-POLE BREAKER FOR APARTMENT UNITS WITH "PTHP" THRU-WALL HVAC UNITS. REFER TO THE MECHANICAL SCHEDULE FOR INFORMATION ON THE "PTHP" UNIT, SHEET E1.12.

DWELLING UNIT LOAD CALCULATION. Project: Cook Street Apartments. Unit Type: A-ADA Studio. Area: 596 square feet. Minimum Size Feeder (NEC 220.40): General lighting load at 3 VA / SF, Small Appliance load (2 ckt at 1500VA each), Laundry Load (1 ckt at 1500VA), Gas Range, Other Cooking Appliance Load (Microwave Oven), Dishwasher Load, Electric Dryer Load, Electric Water Heater Load, Disposal load, Other motor loads.

DWELLING UNIT LOAD CALCULATION. Project: Cook Street Apartments. Unit Type: D 1Bed/1Bath. Area: 539 square feet. Minimum Size Feeder (NEC 220.40): General lighting load at 3 VA / SF, Small Appliance load (2 ckt at 1500VA each), Laundry Load (1 ckt at 1500VA), Gas Range, Other Cooking Appliance Load (Microwave Oven), Dishwasher Load, Electric Dryer Load, Electric Water Heater Load, Disposal load, Other motor loads.

DWELLING UNIT LOAD CALCULATION. Project: Cook Street Apartments. Unit Type: G 1Bed/1Bath. Area: 533 square feet. Minimum Size Feeder (NEC 220.40): General lighting load at 3 VA / SF, Small Appliance load (2 ckt at 1500VA each), Laundry Load (1 ckt at 1500VA), Gas Range, Other Cooking Appliance Load (Microwave Oven), Dishwasher Load, Electric Dryer Load, Electric Water Heater Load, Disposal load, Other motor loads.

MEDIA ENGINEERS 2007 S.E. Ash St. Portland, OR 97214 PHN: (503) 234-0548 FAX: (503) 234-0677 CONTACT: DENISE TAYLOR



IN THE EVENT CONFLICTS ARE DISCOVERED BETWEEN THE ORIGINAL SIGNED AND SEALED DOCUMENTS PREPARED BY THE ARCHITECTS AND/OR THEIR CONSULTANTS, AND ANY COPY OF THE DOCUMENTS TRANSMITTED BY MAIL, FAX, ELECTRONICALLY OR OTHERWISE, THE ORIGINAL SIGNED AND SEALED DOCUMENTS SHALL GOVERN.

PROJECT # 14-62
DATE: 01/19/2016

- REVISIONS
- △ COORDINATION 05.26.17
 - △ COORDINATION 07.07.17
 - △ COORDINATION 09.15.17
 - △ COORDINATION 10.20.17
 - △ COORDINATION 11.10.17
 - △ COORDINATION 03.09.18

MISSISSIPPI AT COOK
MIXED-USE BUILDING
 751 NORTH COOK STREET PORTLAND, OREGON 97227

SHEET:
E1.21

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LIGHTING FIXTURE LIST

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
'A'	(2) F25T8 54 W	TEXAS FLUORESCENTS	C SERIES	TYPE :4' GEN. PURPOSE STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :NA VOLTAGE :120V BALLAST :ELECTRONIC	RETAIL SPACE
'A1' 'A1E'	LED 3500K 2000 LM/80CRI	LITHONIA (OR APPROVED EQUAL)	ZL2N 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
'A2'	LED 3500K 1800 LM/80CRI	LITHONIA (OR APPROVED EQUAL)	XVMELED SERIES	TYPE :4' ENCLOSED INDUSTRIAL MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :CLEAR POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER	ELEVATOR PIT
△ 'B1' ②	LED 3500K 2152 LM	LITHONIA (OR APPROVED EQUAL)	WL4 20LP835 SERIES	TYPE :4' WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	BIKE STORAGE RM, STAIRWELLS, CORRIDORS
△ 'B2' △ (LF-10)	LED 3500K 940LM/FT	PRUDENTIAL LIGHTING (OR APPROVED EQUAL)	P40 SERIES	TYPE :6' SUSPENDED DIRECT MOUNTING :SUSPENDED (CABLE) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	VERIFY MOUNTING HEIGHT W/ ARCHITECT FINISH & LENS OPTION PER ARCHITECT FITNESS ROOM
'C1' (LF-09)	LED 3500K 314LM/80CRI	WAC LIGHTING LIGHTING (OR APPROVED EQUAL)	HR-LED321 SERIES	TYPE :3" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	FINISH PER ARCHITECT PROVIDE APPROPRIATE HOUSING FOR IC RATED CEILING RESTROOMS, CORRIDORS
'C2' (LF-02)	LED 3500K 750LM	CORE LIGHTING (OR APPROVED EQUAL)	RLD-420C SERIES	TYPE :4" SQ. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :BLACK BAFFEL VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT FIXTURE SHALL BE IC RATED WHERE REQUIRED. LOBBY, CORRIDORS
⑤ 'C3' (LF-11)	LED 3500K 750LM	CORE LIGHTING (OR APPROVED EQUAL)	RLD-420C SERIES	TYPE :4" SQ. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :WHITE BAFFLE VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT FIXTURE SHALL BE IC RATED WHERE REQUIRED. RESTROOMS, FITNESS RM, OFFICE
△ 'D' (LF-01)	LED 3500K 750 LM/FT	CORE LIGHTING (OR APPROVED EQUAL)	LSP-50 SERIES	TYPE :COVE LIGHT MOUNTING :SURFACE (BEHIND MIRROR) HOUSING :PLASTIC LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	FIXTURE TO BE MOUNTED BEHIND MIRROR CONSULT WITH INTERIOR DECORATOR FOR EXACT REQUIREMENTS. RESTROOMS
'D1' (LF-04)	(2) 2G11 36W (2) 2G11 24W 3500K	VIBIA LIGHTING (OR APPROVED EQUAL)	"BIG" SERIES	TYPE :47" DIA. PENDANT MOUNTING :SUSPENDED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :ELECTRONIC (DIMMING)	ARCHITECT TO DETERMINE FINISH AND HEIGHT. MAIN LOBBY, MAIL ROOM
'D2' (LF-08)	LED 1400LM 3000K	EUREKA LIGHTING (OR APPROVED EQUAL)	7470 SERIES	TYPE :3-ARM PENDANT (24" H) MOUNTING :SUSPENDED (12" STEM) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :ELECTRONIC (DIMMING)	ARCHITECT TO DETERMINE FINISH AND HEIGHT. CLUBROOM
△ 'D3' (LF-06)	(1)E26PAR16LED 3500K 500 LUMEN	STUDIO ITALIA DESIGN (OR APPROVED EQUAL)	A-TUBE SERIES	TYPE :PENDANT CLUSTER MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :A VOLTAGE :MVOLT BALLAST :INTEGRAL DRIVER (DIMMING)	CLUSTER OF (4) FIXTURES. ARCHITECT TO DETERMINE FINISH, ROOMS, PATTERN AND HEIGHT. MAIN LOBBY
③ 'D4'	LED 3500K 920 LUMEN	JUNIPER LIGHTING (OR APPROVED EQUAL)	THIN SERIES	TYPE :36" GALLERY LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :CLEAR VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	180MM STANDOFF WALL MOUNT ARCHITECT TO DETERMINE FINISH AND MOUNTING HEIGHT. MAIN LOBBY
'D5' 'D5E' (LF-01)	LED 3500K 368LM/LF	CORE LIGHTING (OR APPROVED EQUAL)	LSP-30 SERIES W/ALUSF SURFACE MOUNT	TYPE :COVE LIGHT MOUNTING :COVE MOUNTED/CONTINUOUS HOUSING :ALUMINUM LENS/REFL :CLEAR LENS VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	FIXTURE NOTED AS TYPE 'D5E' TO BE CIRCUITED VIA EMERGENCY POWER SYSTEM. SEE PLANS FOR ADDIT. INFO. CORRIDORS
△ 'D6' △ (LF-03)	LED 3500K 428LM/LF	A-LIGHT (OR APPROVED EQUAL)	ACL9 SERIES	TYPE :COVE LIGHT MOUNTING :COVE MOUNTED/CONTINUOUS HOUSING :ALUMINUM LENS/REFL :CLEAR LENS VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	LOBBY
'D7' (LF-03)	LED 3500K 414LM/LF	A-LIGHT (OR APPROVED EQUAL)	D3 SERIES	TYPE :VERTICAL WALL LIGHT MOUNTING :SURFACE MOUNTED/CONTINUOUS HOUSING :ALUMINUM LENS/REFL :FROSTED LENS VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	FIXTURES ARE TO BE INSTALLED VERTICALLY; FLOOR TO CEILING LOBBY/FITNESS

LIGHTING FIXTURE LIST

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
'F1' (FF-02)	LED 3500K 1500LM	BIG ASS FANS (OR APPROVED EQUAL)	K3150-A2 SERIES	TYPE :60" CEILING FAN W/ LIGHT KIT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :CLEAR LENS VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	VERIFY MOUNTING HEIGHT WITH ARCH. FINISH PER INTERIOR DESIGNER. FITNESS ROOM
'X1' 'X2'	LED (GREEN LETTERS)	LITHONIA DMF LIGHTING (OR APPROVED EQUAL)	LE EL N SERIES DLED500EM-G	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE/DUAL FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	TYPE 'X2' SIMILAR TO 'X1' EXCEPT WITH DUAL FACE AND/OR DIRCTIONAL ARROWS
'X3'	LED (GREEN LETTERS)	LITHONIA (OR APPROVED EQUAL)	WLTE EL SERIES	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	UL LISTED WET LOCATION
'SA'	LED 3000K 1488LM	BEGA (OR APPROVED EQUAL)	6057LED SERIES	TYPE :7.5" DIA. CYLINDER MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :PARTIALLY FROSTED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT UL LISTED WET LOCATION BUILDING EXTERIOR, CANOPY
△ 'SA1' (LF-02)	LED 3000K 750LM	CORE LIGHTING (OR APPROVED EQUAL)	RLD-420C SERIES	TYPE :4" SQ. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :PLASTIC VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT UL LISTED WET LOCATION COVERED TERRACE
'SB'	LED 4000K 4245 LUMENS	LSI LIGHTING (OR APPROVED EQUAL)	CROSSOVER (XP63) SERIES	TYPE :GARAGE LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	PARKING GARAGE
'SC'	LED 521 LUMEN 3000K	BEGA LIGHTING (OR APPROVED EQUAL)	2252 SERIES	TYPE :WALL SCENCE MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT GARGAE DRIVEWAY,BLDG EXTERIOR
'SC1'	LED 1080 LUMEN 3000K	BEGA LIGHTING (OR APPROVED EQUAL)	33 136 SERIES	TYPE :10" SQ CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT GARGAE DRIVEWAY,BLDG EXTERIOR
'SD'	LED 2000K 2739 LUMEN	BEGA LIGHTING LSI INDUSTRIES (OR APPROVED EQUAL)	2260L SERIES SWS SERIES	TYPE :WALL SCENCE MOUNTING :SURFACE (+8"-0" AFF MIN) HOUSING :STEEL LENS/REFL :TEMEPERED MATT GLASS VOLTAGE :120V BALLAST :LED DRIVER	FINISH PER ARCHITECT 1ST FLOOR COURTYARD
'SF' (FF-01)	NA	BIG ASS FANS (OR APPROVED EQUAL)	HAIKU SERIES	TYPE :60" CEILING FAN MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :NA VOLTAGE :120V BALLAST :NA	FINISH PER ARCHITECT. VERIFY MOUNTING HEIGHT & LOCATION WITH INTERIOR DESIGNER. UL LISTED WET/DAMP LOCATION 1ST FLOOR COURTYARD

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. VERIFY ALL FIXTURE FINISHES WITH ARCHITECT PRIOR TO BID.
- D. VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO BID.
- E. VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN.
- F. ALL INTERIOR LIGHTING SHALL BE 3500 KELVIN UNLESS OTHERWISE NOTED. THE EXCEPTION TO THIS WILL BE THE LIGHT FIXTURES IN THE APARTMENT UNITS, FIXTURES IN MAINTENANCE AREAS AND TEMPORARY LIGHTING.
- G. ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.
- H. FIXTURES TO CORRESPOND TO THE INTERIOR DESIGNER'S FIXTURE DESIGNATION AS NOTED IN PARENTHESES.
- △ I. CONTRACTOR SHALL CONSULT MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL FIXTURES AND DEVICES AND INSTALL AS INSTRUCTED. THIS INCLUDES ALL ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION. WORK SHALL BE PERFORMED SUCH THAT MANUFACTURER WARRANTY IS NOT VOIDED.

KEYED LIGHTING NOTES:

- 1. CONTRACTOR TO DETERMINE FIXTURE LENGTH BASED ON ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING PLANS. DESIGN INTENT IS FOR THE FIXTURE TO RUN THE ENTIRE LENGTH OF THE "COVE" TO PROVIDE EVEN LIGHT DISTRIBUTION.
- 2. STAIRWELL AND CORRIDOR FIXTURES TO BE EQUIPPED WITH FACTORY INSTALLED OCCUPANCY SENSORS FOR LIGHT REDUCTION DURING PERIODS OF NO ACTIVITY.
- 3. NOT USED.
- 4. PROVIDE ALTERNATE PRICING FOR SIMILAR TYPE FIXTURE WITH LED LAMPING. FIXTURE SHALL BE 3500K, 2400 LUMEN (MINIMUM) AND 100 WATTS (MAX.).
- 5. IF NECESSARY, CONTRACTOR SHALL PROVIDE IC RATED BOXES FOR FIXTURES NOT MEETING INSULATED CEILING REQUIREMENTS.



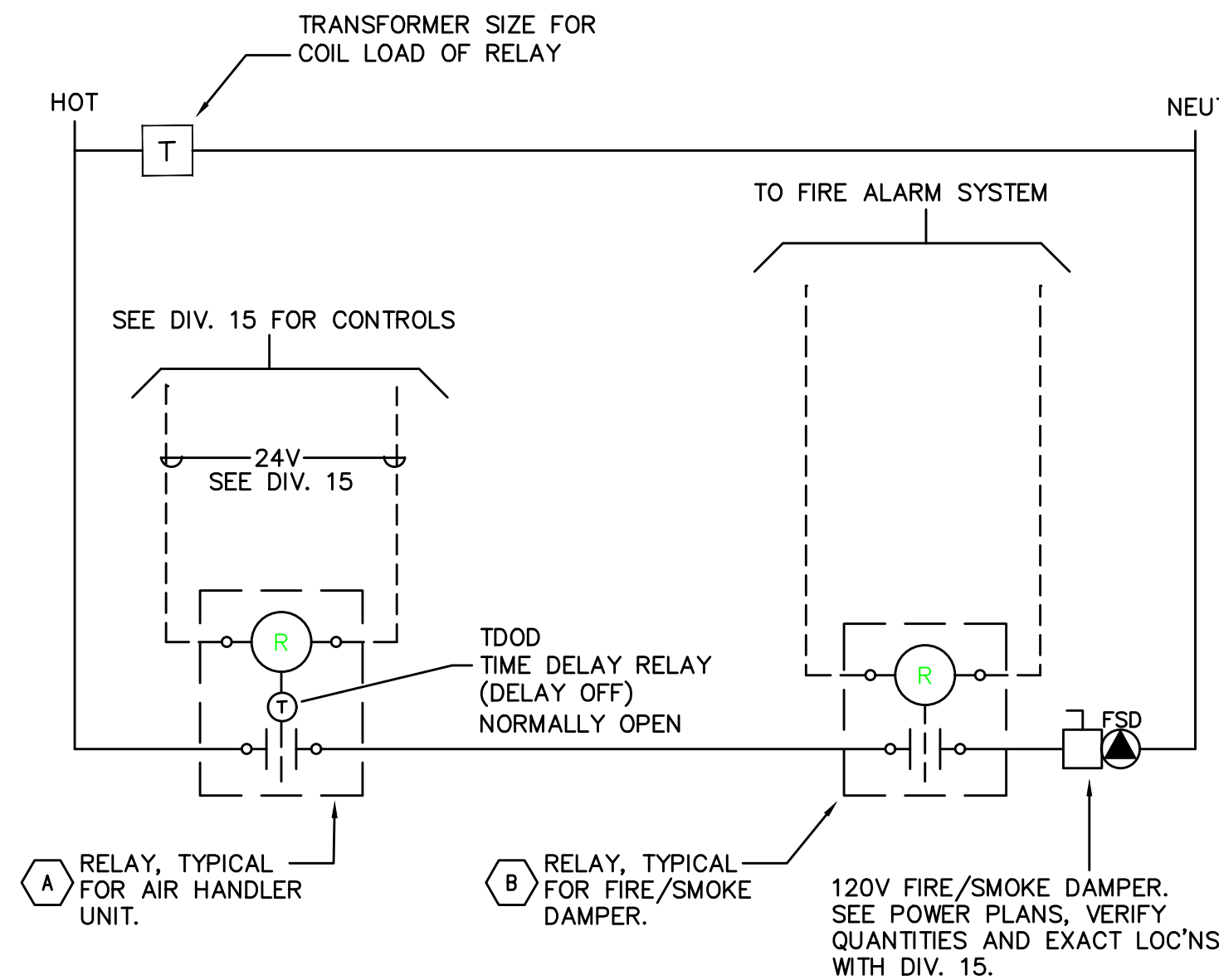
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PROJECT # 14-62
DATE: 01/19/2016

- REVISIONS
- COORDINATION 01.27.17
 - COORDINATION 04.14.17
 - COORDINATION 07.07.17
 - COORDINATION 10.20.17

MISSISSIPPI AT COOK
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751 NORTH COOK STREET PORTLAND, OREGON 97227

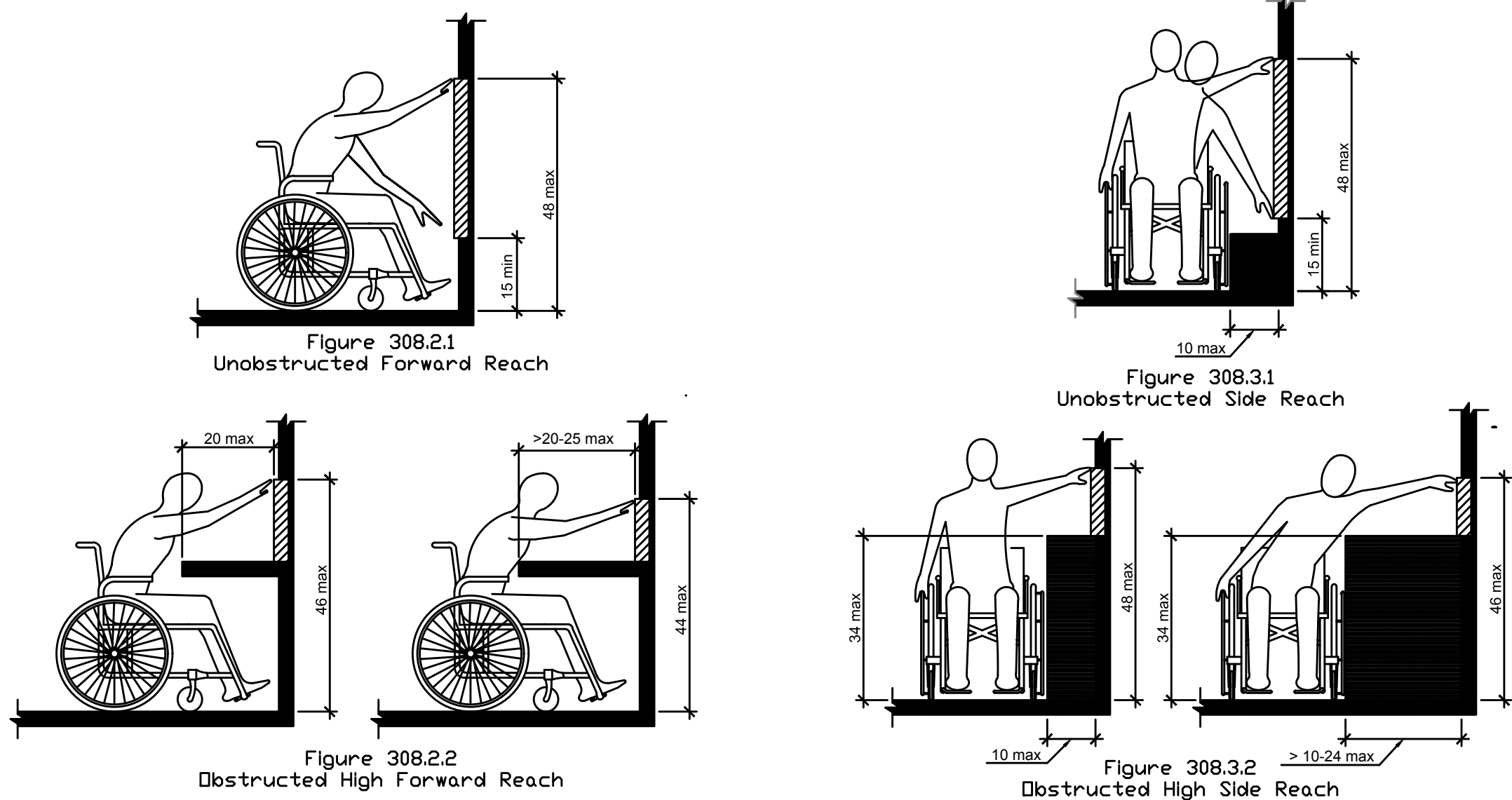
LIGHTING FIXTURE LIST - TYPICAL LIVING UNITS					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
'UA' ② ③	LED 786 LUMEN 3500K (10W)	HALO (OR APPROVED OTHER)	SMD4R SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	FINISH PER ARCHITECT. UNIT KITCHEN, HALL, CLOSET,LIVING
'UB'	LED 750 LUMEN 3500K (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 PER ARCHITECT. UNIT DINING, BEDROOM
'UC'	LED 1000 LUMEN 3000K 15W	DMF LIGHTING (OR APPROVED EQUAL)	DCC2-LARGE SERIES	TYPE :4.5" DIA. PENDANT MOUNTING :SURFACE (STEM HUNG) HOUSING :ALUMINUM LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	VERIFY MOUNTING HEIGHT WITH INTERIOR DESIGNER. LOFT UNIT ONLY
'UD'	LED 3000K 3200 LUMENS 50W	LEDALITE (OR APPROVED EQUAL)	24R5LCE SERIES	TYPE :4" LINEAR LED LIGHT MOUNTING :SUSPENDED (CABLE HUNG) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	VERIFY MOUNTING HEIGHT WITH INTERIOR DESIGNER. LOFT UNIT ONLY
'UF' ④	LED 3000K (5W)	MAJESTIC MIRROR & FRAME (OR APPROVED EQUAL)	ARGYLE SMALL-V SERIES	TYPE :23.5"x37.5" BACK-LIT MIRROR MOUNTING :SURFACE HOUSING :PER MFR LENS/REFL :PER MFR VOLTAGE :120V BALLAST :LED DRIVER	MOUNTING HEIGHT AND FINISH PER ARCHITECT. VERIFY WIRING METHOD PRIOR TO ROUGH IN. UNIT BATHROOM
'UH' ⑤	N/A 500 W	KING (OR APPROVED EQUAL)	WHFC1210	TYPE :CEILING HEATER MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :NA VOLTAGE :120V BALLAST :NA	 UNIT BATHROOM



1 SMOKE/FIRE DAMPER CONTROL DIAGRAM
E1.22

KEYED LIGHTING NOTES:

- ELECTRICAL CONTRACTOR TO PROVIDE BATHROOM HEATERS AND COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR. EACH HEATER SHALL BE CONTROLLED VIA WALL MOUNTED THERMOSTAT. KING ELECTRICAL MODEL K101 OR APPROVED OTHER, MOUNTED PER ADA REACH REQUIREMENTS (48" AFF). REFER TO TYPICAL ENLARGED UNIT PLANS FOR ADDITIONAL INFORMATION.
- 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.
- TYPE 'UA' FIXTURES LOCATED IN UNIT BATHROOMS SHALL BE 3000K COLOR TEMPERATURE. ALL OTHER 'UA' FIXTURES SHALL BE AS INDICATED.
- BACK-LIT MIRROR FIXTURE TYPE 'UF' IS A CUSTOM FIXTURE AND SIZE WILL VARY PER EACH UNIT BATHROOM INSTALLATION. CONTRACTOR SHALL CONSULT WITH ARCHITECTURAL INTERIOR ELEVATIONS FOR THE FIXTURE REQUIREMENTS IN EACH UNIT TYPE, INCLUDING MOUNTING HEIGHT AND LOCATION.



2 ADA REACH REQUIREMENTS
E1.22 N.T.S.

308.2 Forward Reach.

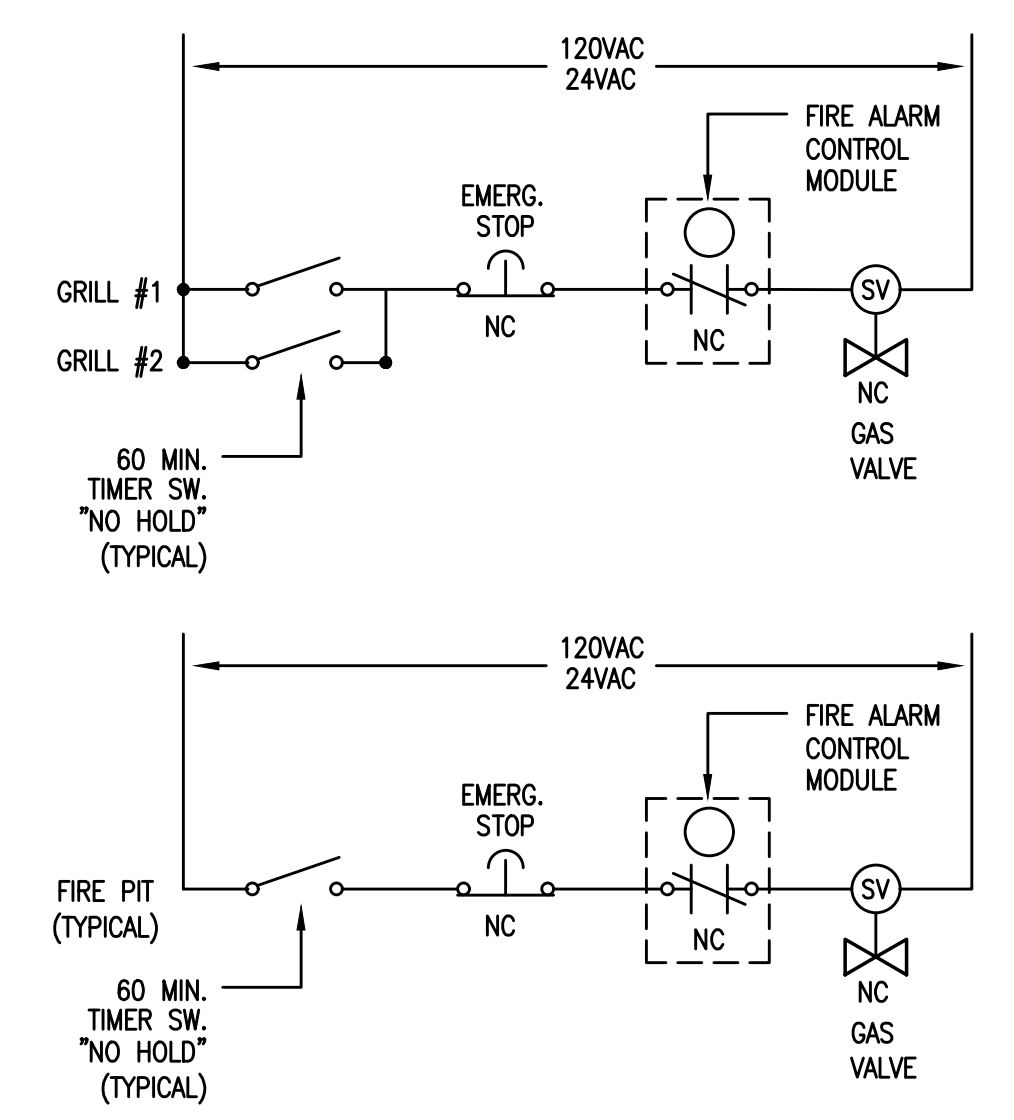
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the floor or ground.

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 than 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.

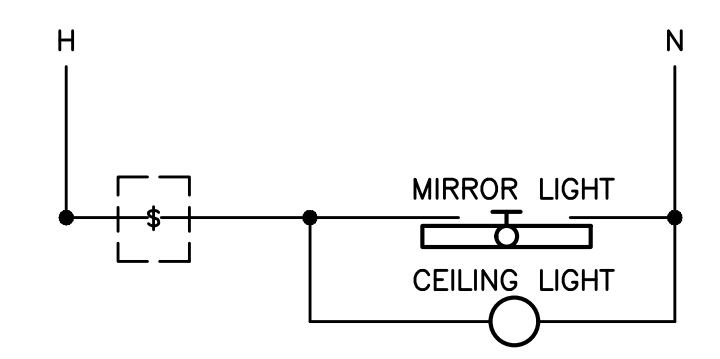
308.3 Side Reach.

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.

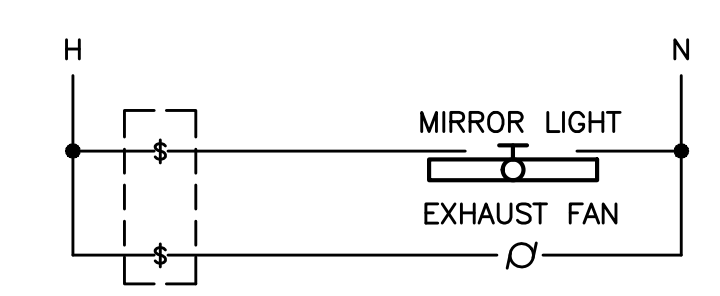
308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an object and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall 24" maximum. The high side reach shall be 48" maximum for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



3 ROOFTOP GAS APPLIANCE EMERGENCY SHUT-OFF DIAGRAM
E1.22 SCALE: NONE

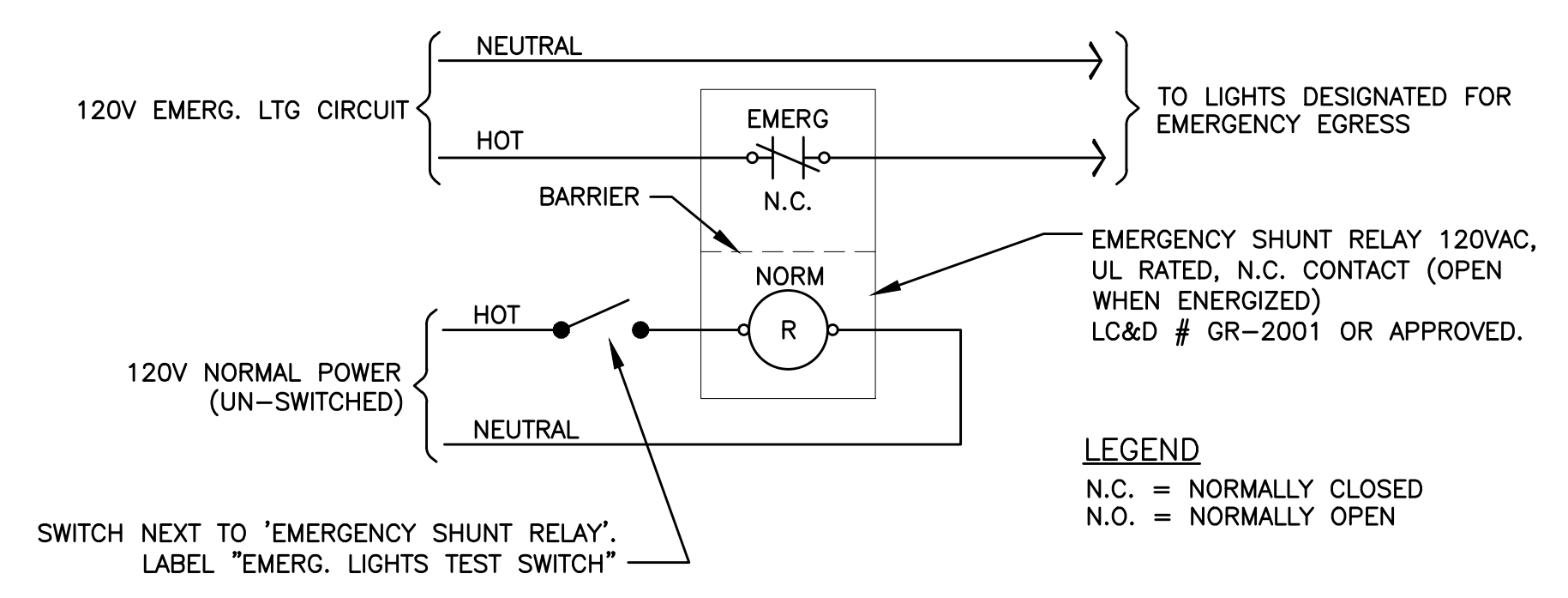


BATHROOM WITH CEILING LIGHT

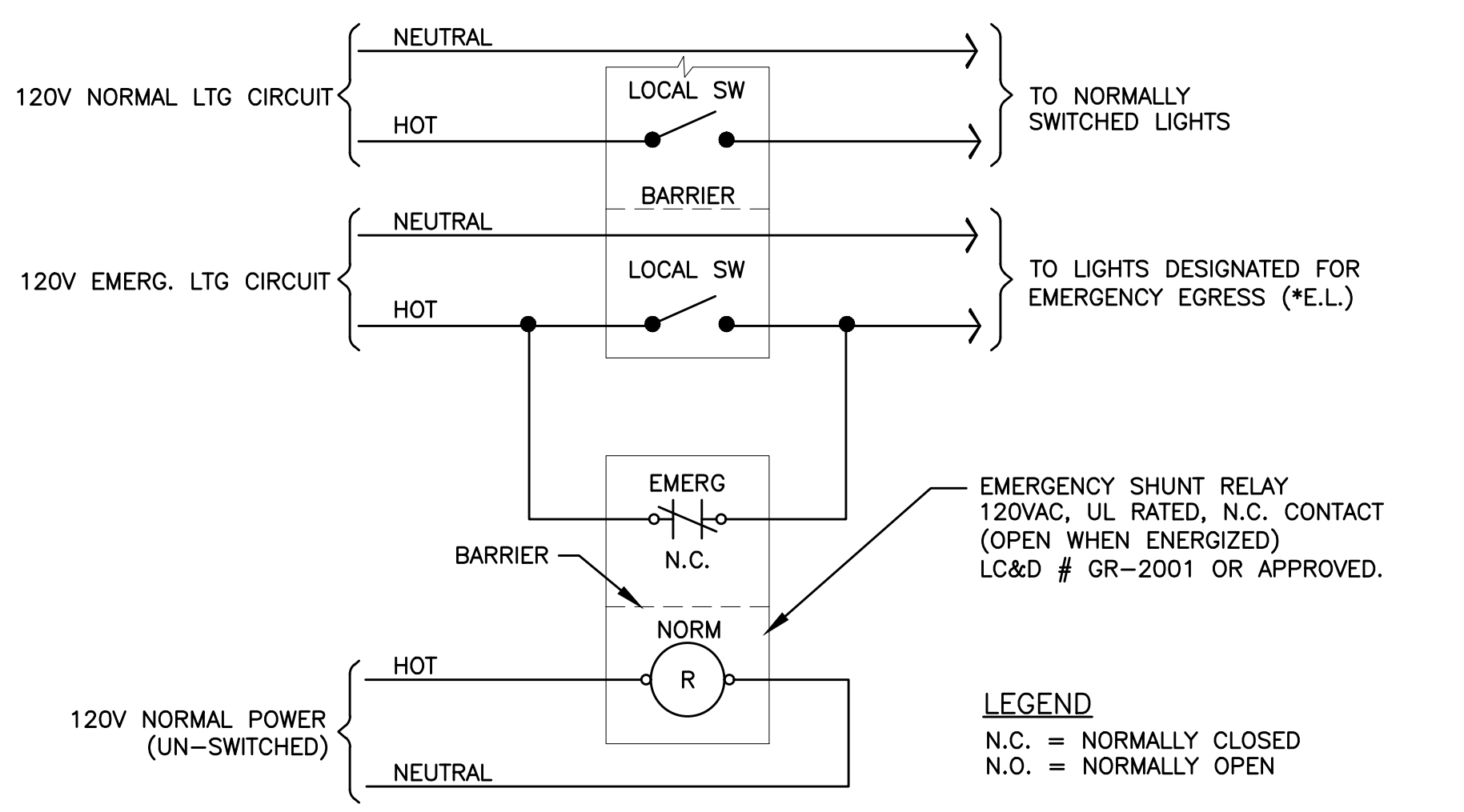


BATHROOM WITH EXHAUST FAN

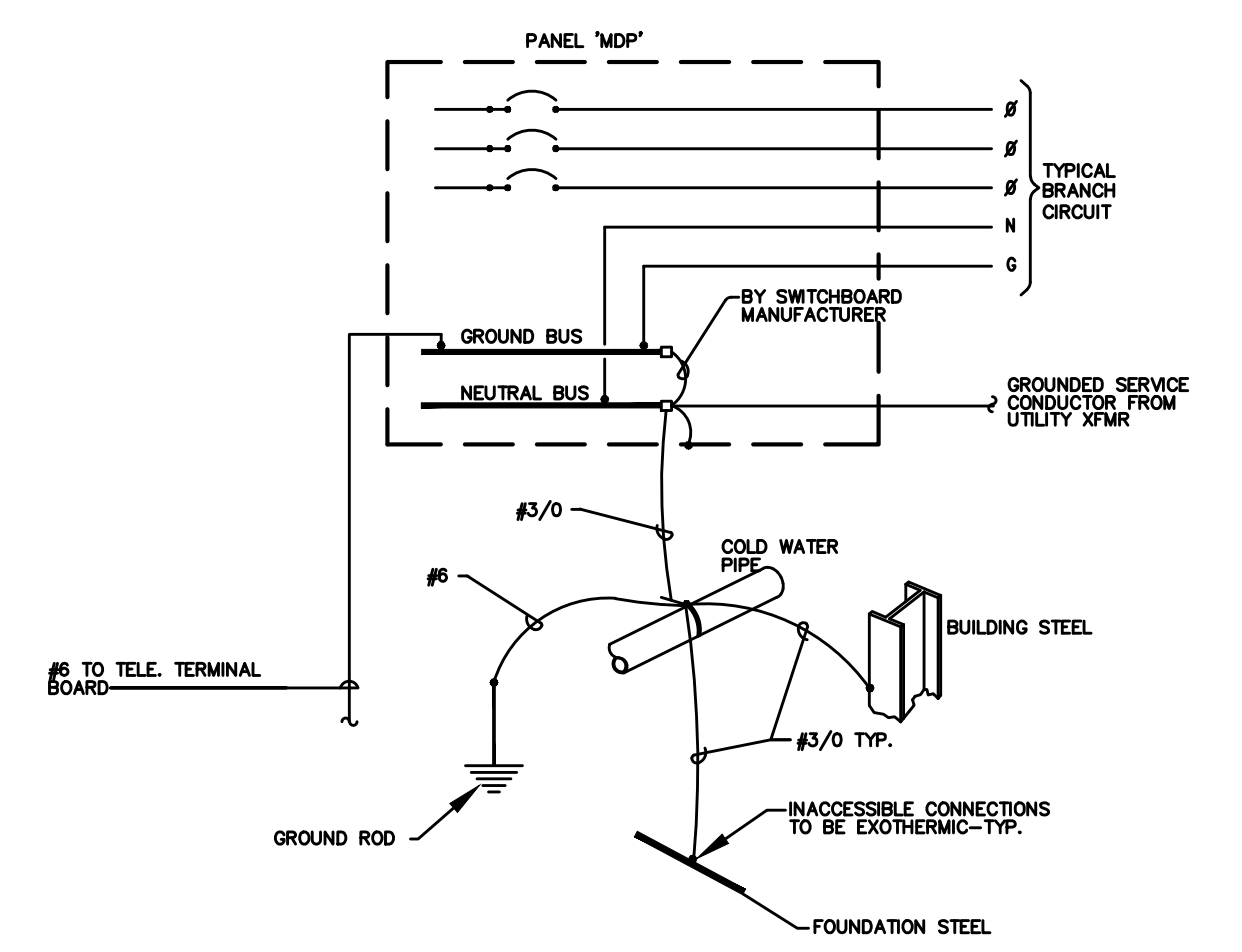
1 BATHROOM SWITCHING DIAGRAM - TYPICAL
E1.23 NO SCALE



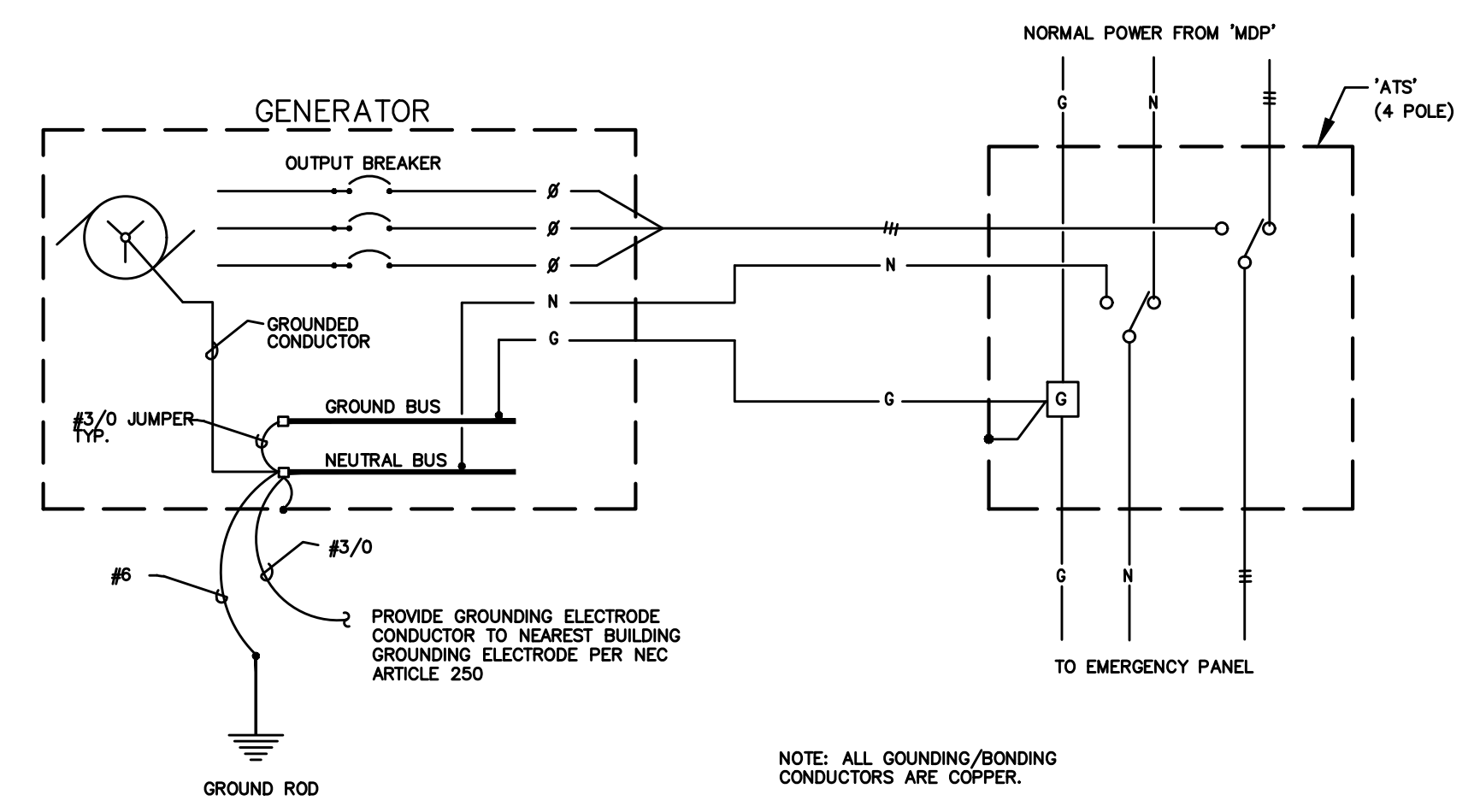
2 EMERGENCY EGRESS LIGHTING - UNSWITCHED
E1.23 NO SCALE



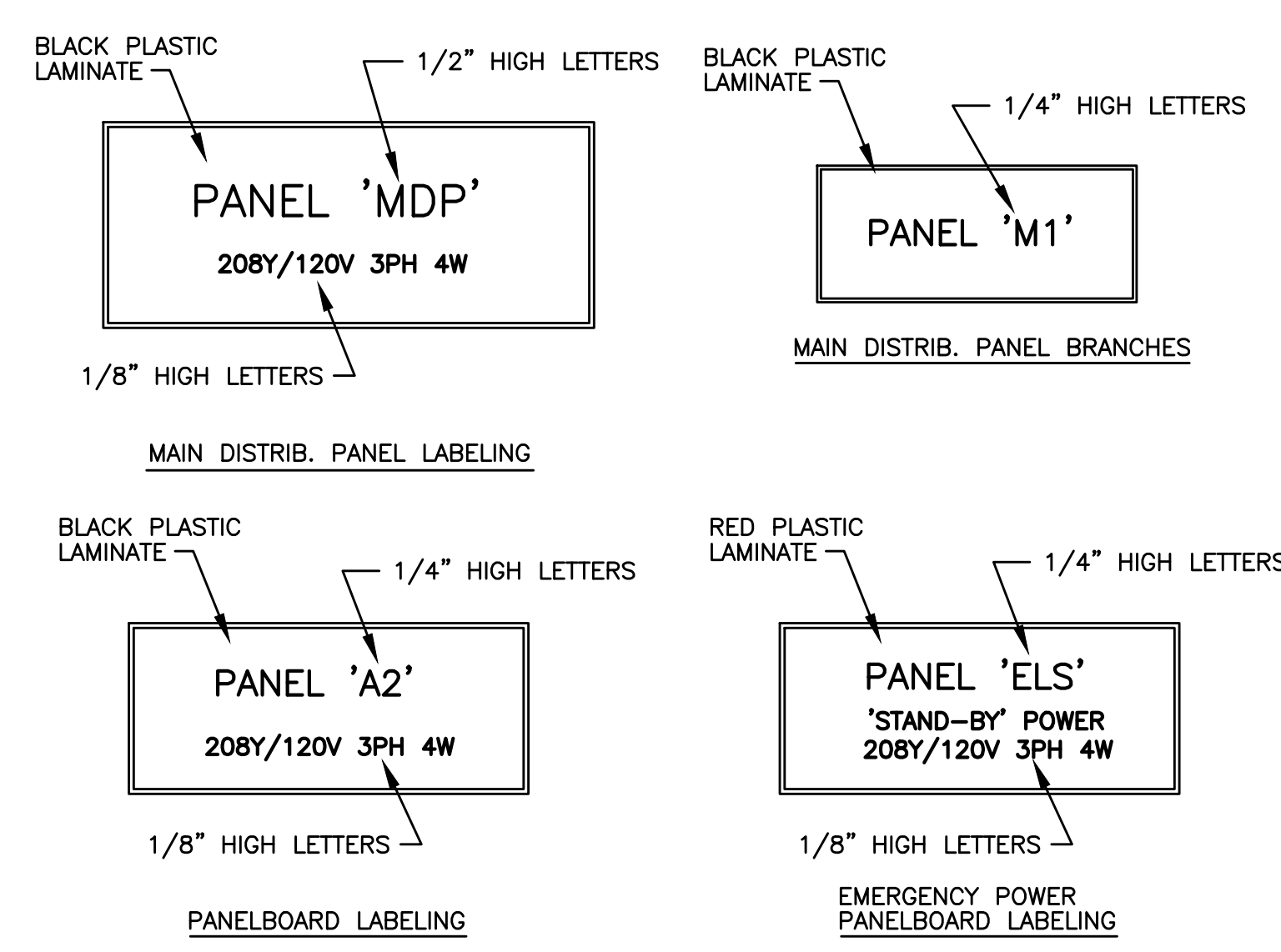
3 EMERGENCY EGRESS LIGHTING - SWITCHED
E1.23 NO SCALE



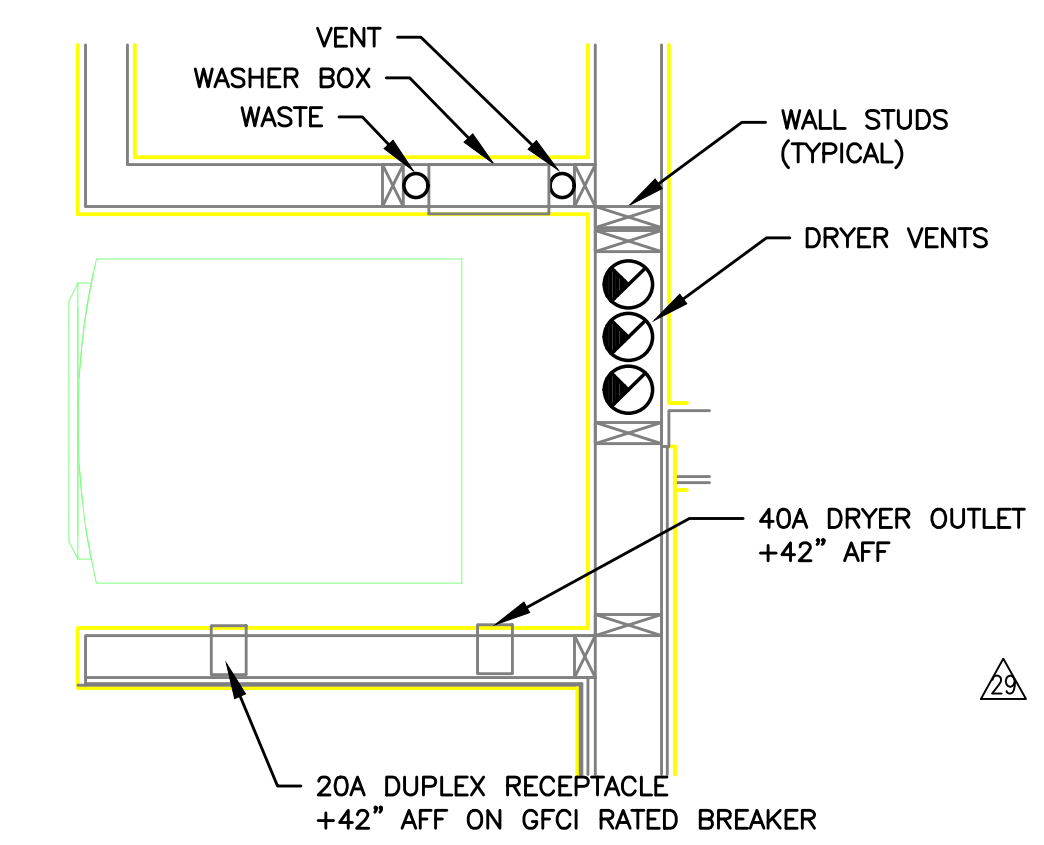
4 GROUNDING/BONDING DIAGRAM
E1.23 208Y/120V, 3 ϕ , 4 WIRE



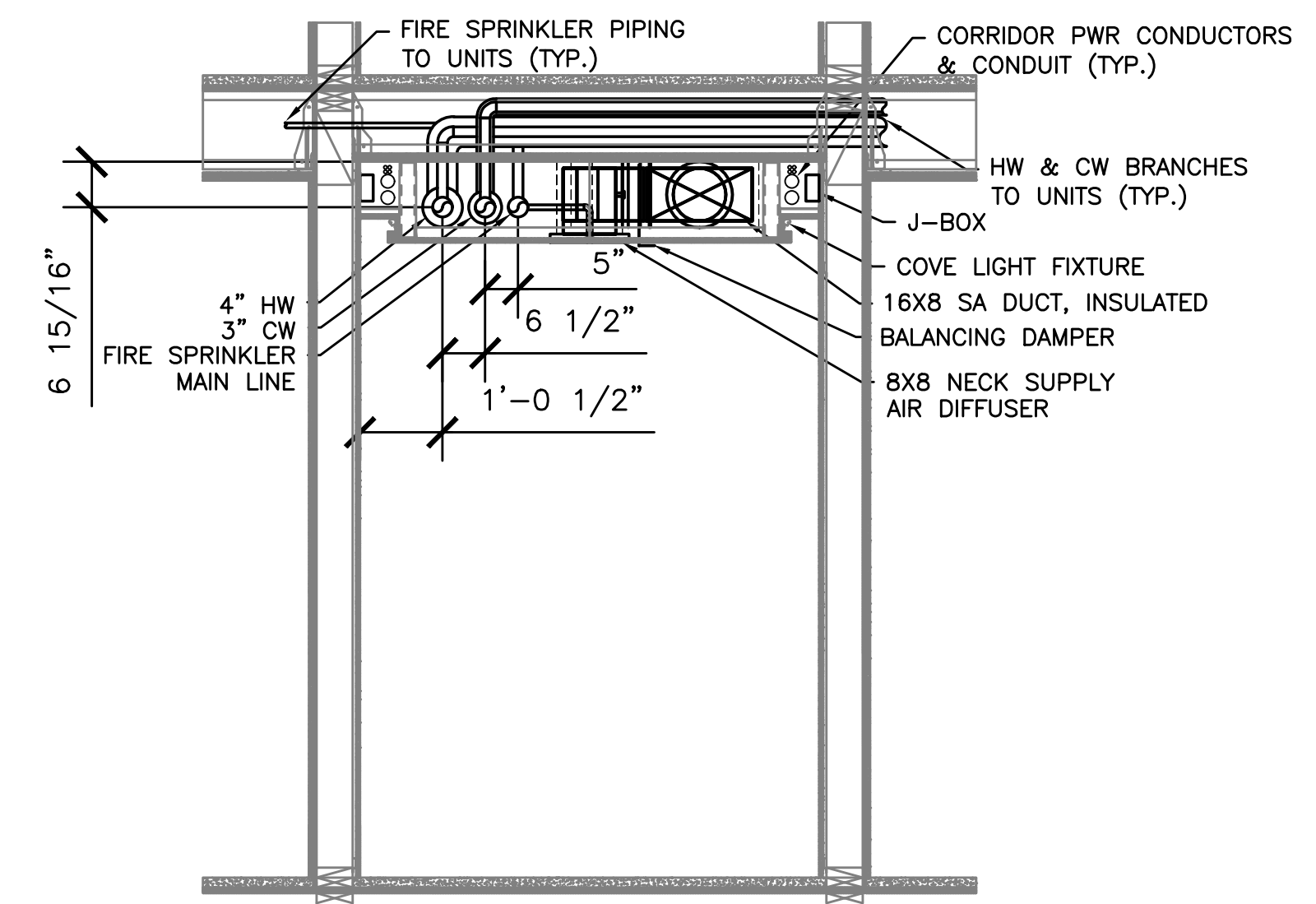
5 GENERATOR - ELECTRICAL GROUNDING/BONDING DETAIL
E1.23 NO SCALE



6 SWITCHBOARD/PANEL LABELING DETAIL
E1.23 NO SCALE



7 TYPICAL WASHER/DRYER ALCOVE
E1.23 NO SCALE



- NOTES:
- UNIT ELECTRICAL PANEL FEEDERS ARE NOT TO BE RUN IN CORRIDOR.
 - DIFFUSERS AND SPRINKLER HEADS TO BE CENTERED IN CORRIDOR CEILING.
 - HW AND CW SUPPLY PIPING LOCATED IN 2ND FLOOR CEILING.
 - HWR PIPING LOCATED IN 4TH FLOOR CEILING.
 - TELECOM CABLES TO BE LOCATED ABOVE RESIDENTIAL UNITS.
 - COORDINATE JOIST PENETRATIONS WITH STRUCTURAL.
 - FIRE SPRINKLER PIPING SHALL NOT OBSTRUCT HVAC DUCT ROUTING.

8 CORRIDOR SECTION
E1.23 NO SCALE



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- REVISIONS
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 - △ COORDINATION 01.25.19

MISSISSIPPI AT COOK
MIXED-USE BUILDING
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CONTACT: DENISE TAYLOR

CHELSEA SWITCH SCHEDULE – 1ST FLOOR

SWITCH #	GENERAL LOCATION	BUTTONS		ASSOCIATED RELAY(S)	ENGRAVED LABELING	FUNCTION	DESCRIPTION
		TOTAL	#				
CS1a	LOBBY	6	1	R3	LOBBY	ON/OFF	LOBBY DOWNLIGHTS
			2	R3	LOBBY	RAISE	LOBBY DOWNLIGHTS
			3	R3	LOBBY	LOWER	LOBBY DOWNLIGHTS
			4	R4	LOBBY	ON/OFF	LOBBY FEATURE LIGHTS
			5	R4	LOBBY	RAISE	LOBBY FEATURE LIGHTS
			6	R4	LOBBY	LOWER	LOBBY FEATURE LIGHTS

CHELSEA SWITCH SCHEDULE – 1ST FLOOR

SWITCH #	GENERAL LOCATION	BUTTONS		ASSOCIATED RELAY(S)	ENGRAVED LABELING	FUNCTION	DESCRIPTION
		TOTAL	#				
CS1b	LOBBY	3	1	R11	LOBBY	ON/OFF	LOBBY EGRESS
			2	R11	LOBBY	RAISE	LOBBY EGRESS
			3	R11	LOBBY	LOWER	LOBBY EGRESS

CHELSEA SWITCH SCHEDULE – 2ND FLOOR

SWITCH #	GENERAL LOCATION	BUTTONS		ASSOCIATED RELAY(S)	ENGRAVED LABELING	FUNCTION	DESCRIPTION
		TOTAL	#				
CS2	2ND FLOOR ELEV. LOBBY	6	1	R6	DOWNLIGHTS	ON/OFF	DOWNLIGHTS AT UNIT ENTRIES
			2	R6	DOWNLIGHTS	RAISE	DOWNLIGHTS AT UNIT ENTRIES
			3	R6	DOWNLIGHTS	LOWER	DOWNLIGHTS AT UNIT ENTRIES
			4	R12	COVE LIGHTS	ON/OFF	COVE LIGHTS ON EMERG. POWER
			5	R12	COVE LIGHTS	RAISE	COVE LIGHTS ON EMERG. POWER
			6	R12	COVE LIGHTS	LOWER	COVE LIGHTS ON EMERG. POWER

CHELSEA SWITCH SCHEDULE – 3RD FLOOR

SWITCH #	GENERAL LOCATION	BUTTONS		ASSOCIATED RELAY(S)	ENGRAVED LABELING	FUNCTION	DESCRIPTION
		TOTAL	#				
CS3	3RD FLOOR ELEV. LOBBY	6	1	R5	DOWNLIGHTS	ON/OFF	DOWNLIGHTS AT UNIT ENTRIES
			2	R5	DOWNLIGHTS	RAISE	DOWNLIGHTS AT UNIT ENTRIES
			3	R5	DOWNLIGHTS	LOWER	DOWNLIGHTS AT UNIT ENTRIES
			4	R13	COVE LIGHTS	ON/OFF	COVE LIGHTS ON EMERG. POWER
			5	R13	COVE LIGHTS	RAISE	COVE LIGHTS ON EMERG. POWER
			6	R13	COVE LIGHTS	LOWER	COVE LIGHTS ON EMERG. POWER

CHELSEA SWITCH SCHEDULE – 4TH FLOOR

SWITCH #	GENERAL LOCATION	BUTTONS		ASSOCIATED RELAY(S)	ENGRAVED LABELING	FUNCTION	DESCRIPTION
		TOTAL	#				
CS4	4TH FLOOR ELEV. LOBBY	6	1	R8	DOWNLIGHTS	ON/OFF	DOWNLIGHTS AT UNIT ENTRIES
			2	R8	DOWNLIGHTS	RAISE	DOWNLIGHTS AT UNIT ENTRIES
			3	R8	DOWNLIGHTS	LOWER	DOWNLIGHTS AT UNIT ENTRIES
			4	R14	COVE LIGHTS	ON/OFF	COVE LIGHTS ON EMERG. POWER
			5	R14	COVE LIGHTS	RAISE	COVE LIGHTS ON EMERG. POWER
			6	R14	COVE LIGHTS	LOWER	COVE LIGHTS ON EMERG. POWER

CHELSEA SWITCH SCHEDULE – 5TH FLOOR

SWITCH #	GENERAL LOCATION	BUTTONS		ASSOCIATED RELAY(S)	ENGRAVED LABELING	FUNCTION	DESCRIPTION
		TOTAL	#				
CS5	5TH FLOOR ELEV. LOBBY	6	1	R7	DOWNLIGHTS	ON/OFF	DOWNLIGHTS AT UNIT ENTRIES
			2	R7	DOWNLIGHTS	RAISE	DOWNLIGHTS AT UNIT ENTRIES
			3	R7	DOWNLIGHTS	LOWER	DOWNLIGHTS AT UNIT ENTRIES
			4	R15	COVE LIGHTS	ON/OFF	COVE LIGHTS ON EMERG. POWER
			5	R15	COVE LIGHTS	RAISE	COVE LIGHTS ON EMERG. POWER
			6	R15	COVE LIGHTS	LOWER	COVE LIGHTS ON EMERG. POWER

CHELSEA SWITCH NOTES:

- A. REGARDLESS OF SETTING, EGRESS LIGHTING SHALL REMAIN "ON" AT ALL TIMES. MANUAL SWITCHING IS ONLY PROVIDED FOR MAINTENANCE PURPOSES.
- B. EGRESS LIGHTING SHALL MEET CODE MINIMUM REQUIREMENT OF (1) FOOTCANDLE AVERAGE MEASURED AT THE FLOOR AT ALL TIMES. CONSULT VENDOR FOR PROCEDURE TO SET DIMMING LIMITS FOR THE RESIDENT FLOOR COVE LIGHTS.
- C. CONTRACTOR TO PROVIDE LOCKING COVERS AT ALL SWITCH LOCATIONS TO PREVENT TAMPERING ONCE LIGHT LEVELS ARE SET BY THE OWNER.

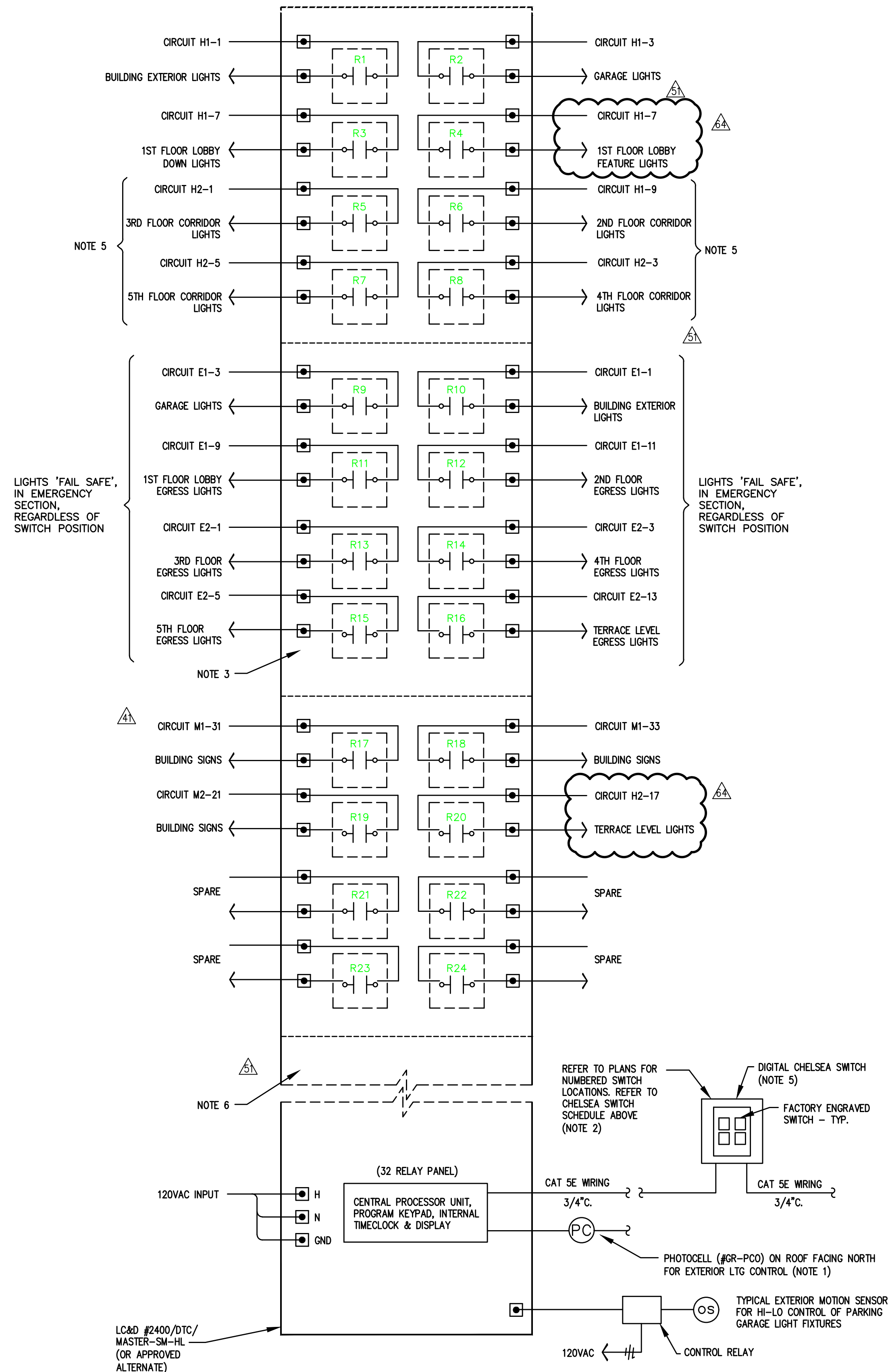
GENERAL NOTES:

- A. DESIGN IS BASED ON 'LCD' COMPANY EQUIPMENT. THE LIGHTING CONTROL SYSTEM WILL BE INSTALLED COMPLETE WITH ALL FUNCTIONS MEETING THE DESIGN INTENT.
- B. ADEQUATE TRAINING SHALL BE PROVIDED TO THE OWNER (& REPRESENTATIVES) TO FULLY UNDERSTAND LIGHTING CONTROL SYSTEM FUNCTIONS, PROGRAMMING, MAINTENANCE, RE-PROGRAMMING RELAYS, ETC.
- C. REFER TO SHEET E1.25 FOR CHELSEA SWITCH INFORMATION.

'LCP' – DETAIL NOTES:

1. RELAYS R1, R2, R8, R9, R10 & R15 ARE PHOTOCELL/TIMECLOCK CONTROLLED. VERIFY WITH OWNER FOR TIMECLOCK SETTINGS.
2. RELAYS R3, R5, R6 & R7 ARE TIMECLOCK CONTROLLED AS WELL AS MANUALLY SWITCHED BY CHELSEA SWITCH. COORDINATE WITH OWNER FOR SET TIMES.
3. UL924 BARRIERED SECTION FOR EMERGENCY CIRCUITS.
4. RELAYS R9, R11, R12, R13 & R14 INTENDED TO BE CONSTANT "ON".
5. CHELSEA SWITCHES FOR CORRIDOR LIGHTS ON FLOORS 2, 3, 4 & 5 TO HAVE LOCKING COVER.
6. RELAYS R17, R18, R19 & R20 ARE PHOTOCELL/TIMECLOCK CONTROLLED. VERIFY WITH OWNER FOR TIMECLOCK SETTINGS. DESIGN INTENT IS FOR DUSK-TIL-DAWN OPERATION.

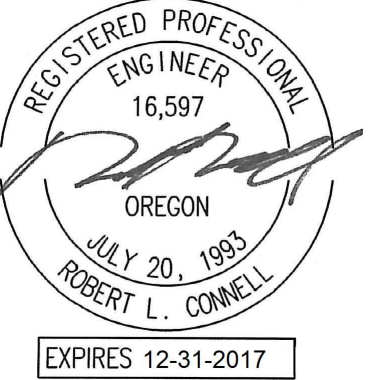
MASTER PANEL 'LCP'





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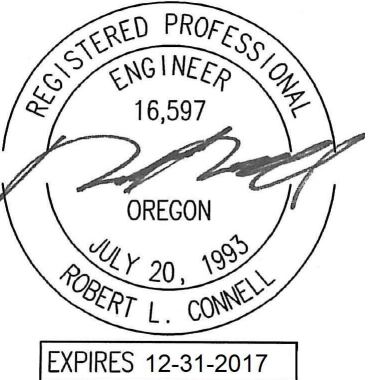
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SHEET: △
E1.25



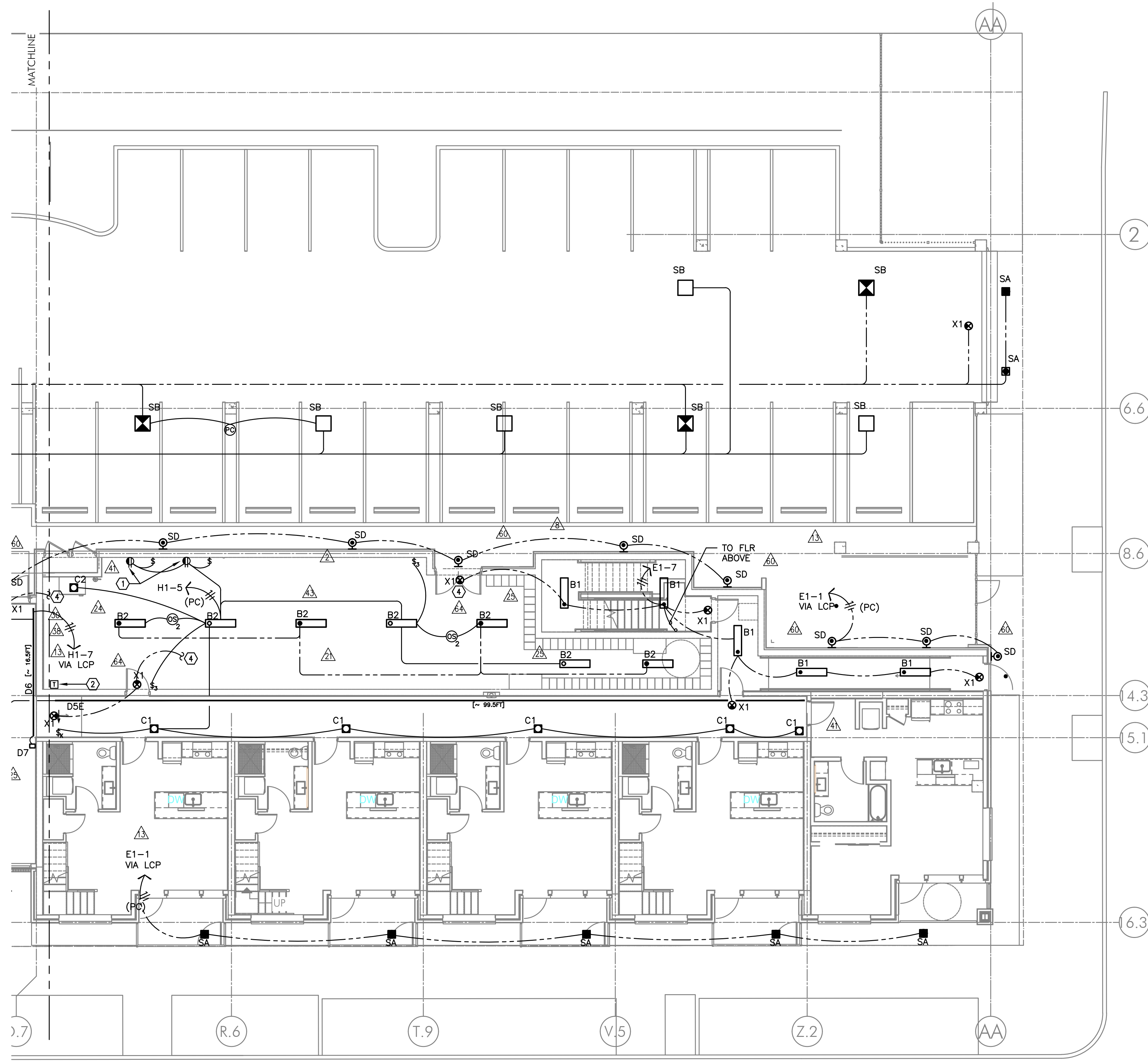
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SHEET:
E2.01E



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. LIGHTING AND RECEPTACLES IN THE RETAIL LEASE SPACES SHALL BE PROVIDED WITH TEMPORARY CIRCUITS FROM THE HOUSE BRANCH PANELS AS INDICATED ON THE PLANS. AT SUCH TIME THAT EACH SPACE IS LEASED AND BUILT TO SUIT THE TENANT, THE TEMPORARY POWER CIRCUITS SHALL BE DISCONNECTED AND REMOVED, WITH THE BREAKERS NOTED AS "SPARE".
- C. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- D. LOBBY LIGHTING TO BE HUNG AT VARYING HEIGHTS (BETWEEN 12'-0" AFF AND 8'-0" AFF) WITH FIXTURE OVERLAPPING. CONTRACTOR SHALL CONSULT WITH THE INTERIOR DESIGNER AND/OR ARCHITECT PRIOR TO ROUGH IN.
- E. REFER TO E400 SERIES SHEETS FOR TYPICAL APARTMENT UNIT POWER AND LIGHTING LAYOUT.
- F. REFER TO E1.21 FOR LUMINAIRE SCHEDULE.
- G. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND INTERIOR DESIGNER FOR ALL FIXTURE LOCATIONS PRIOR TO THE START OF ANY ROUGH IN WORK.
- H. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

KEYED NOTES:

1. PROVIDE SWITCHED RECEPTACLE(S) FOR OWNER PROVIDED SWING ARM LAMP. VERIFY MOUNTING WITH ARCHITECT PRIOR TO ROUGH IN.
2. LOW VOLTAGE TRANSFORMERS FOR COVE LIGHTING PER MANUFACTURER'S REQUIREMENTS. MOUNT DEVICES CLOSE TO CEILING OR ABOVE, IF PROVIDING ACCESS PANEL. WIRING TO BE #12 AWG TO MEET MANUFACTURER'S REQUIREMENTS FOR 5% VOLTAGE DROP. MAXIMUM WIRING RUN TO BE 80'-0". CONSULT MFR. FOR ADDITIONAL INFORMATION.
3. ALL EXIT SIGNS AND ELEVATOR THRESHOLD LIGHTS SHALL BE CONSTANT 'ON'. TIE INTO CIRCUIT SERVING STAIRWELL #1.
4. ALL EXIT SIGNS SHALL BE CONSTANT 'ON'. TIE INTO CIRCUIT SERVING STAIRWELL #2.

2 LIGHTING PLAN - FIRST FLOOR EAST
E2.01 SCALE: 1/8" = 1'-0"

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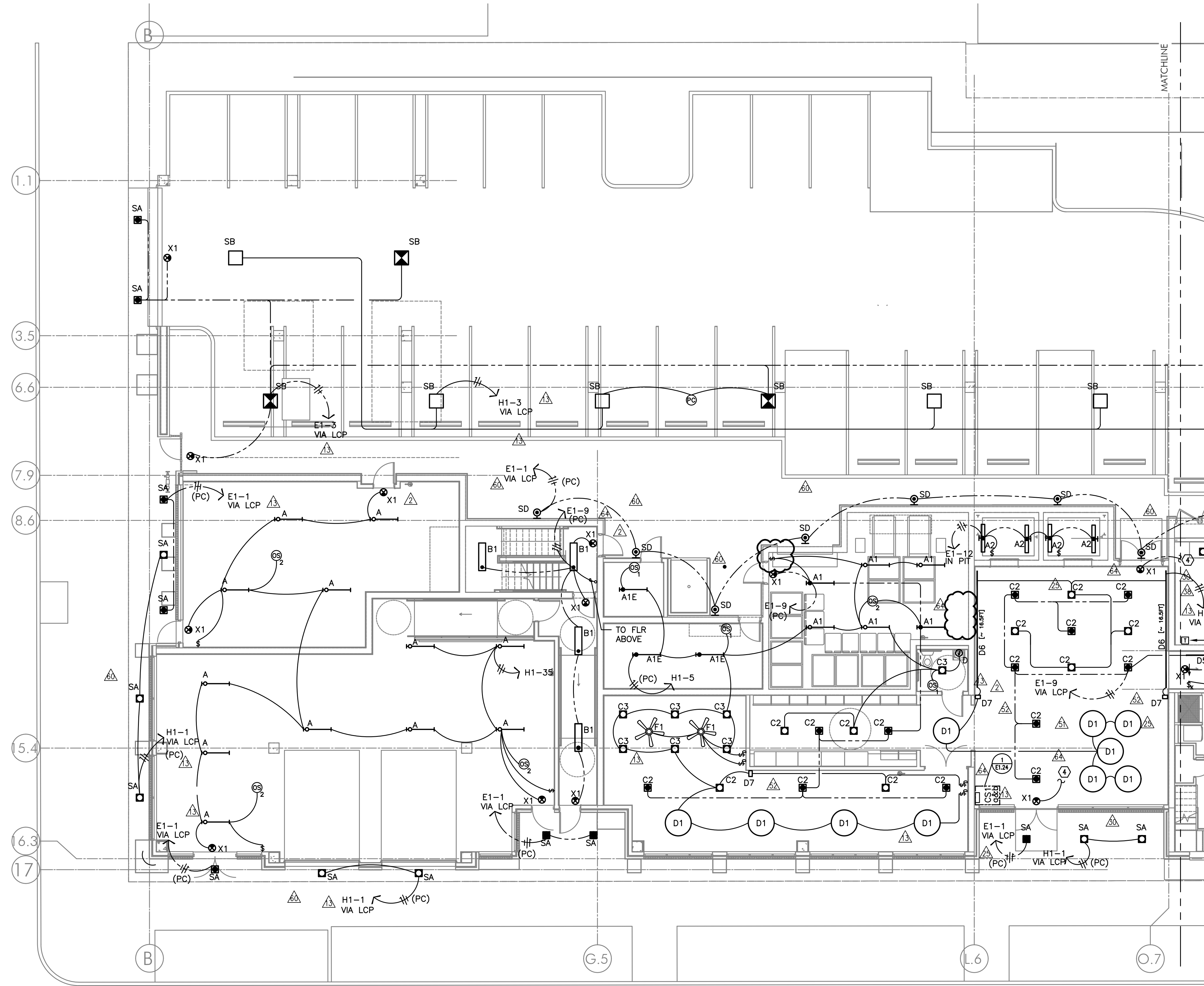
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 - B. LIGHTING AND RECEPTACLES IN THE RETAIL LEASE SPACES SHALL BE PROVIDED WITH TEMPORARY CIRCUITS FROM THE HOUSE BRANCH PANELS AS INDICATED ON THE PLANS. AT SUCH TIME THAT EACH SPACE IS LEASED AND BUILT TO SUIT THE TENANT, THE TEMPORARY POWER CIRCUITS SHALL BE DISCONNECTED AND REMOVED, WITH THE BREAKERS NOTED AS "SPARE".
 - C. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
 - D. LOBBY LIGHTING TO BE HUNG AT VARYING HEIGHTS (BETWEEN 12'-0" AFF AND 8'-0" AFF) WITH FIXTURE OVERLAPPING. CONTRACTOR SHALL CONSULT WITH THE INTERIOR DESIGNER AND/OR ARCHITECT PRIOR TO ROUGH IN.
 - E. REFER TO E400 SERIES SHEETS FOR TYPICAL APARTMENT UNIT POWER AND LIGHTING LAYOUT.
 - F. REFER TO E1.21 FOR LUMINAIRE SCHEDULE.
 - G. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND INTERIOR DESIGNER FOR ALL FIXTURE LOCATIONS PRIOR TO THE START OF ANY ROUGH IN WORK.
 - H. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.
- △ G. LOW VOLTAGE POWER SUPPLIES FOR LED COVE LIGHTS SHALL BE LOCATED AS INDICATED IN SHEET NOTE #2 BELOW. QUANTITY & SIZE OF POWER SUPPLIES SHALL BE PER MANUFACTURER RECOMMENDATION. REFER TO MFR PRODUCT SUBMITTALS FOR MORE INFORMATION.

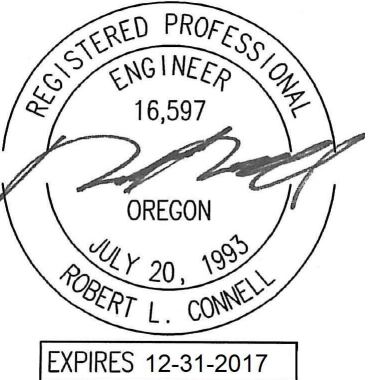
KEYED NOTES:

- 1. PROVIDE SWITCHED RECEPTACLE(S) FOR OWNER PROVIDED SWING ARM LAMP. VERIFY MOUNTING WITH ARCHITECT PRIOR TO ROUGH IN.
- 2. LOW VOLTAGE TRANSFORMERS FOR COVE LIGHTING PER MANUFACTURER'S REQUIREMENTS. MOUNT DEVICES CLOSE TO CEILING OR ABOVE, IF PROVIDING ACCESS PANEL. WIRING TO BE #12 AWG TO MEET MANUFACTURER'S REQUIREMENTS FOR 5% VOLTAGE DROP. MAXIMUM WIRING RUN TO BE 80'-0". CONSULT MFR. FOR ADDITIONAL INFORMATION.
- 3. ALL EXIT SIGNS AND ELEVATOR THRESHOLD LIGHTS SHALL BE CONSTANT 'ON'. TIE INTO CIRCUIT SERVING STAIRWELL #1.
- 4. ALL EXIT SIGNS SHALL BE CONSTANT 'ON'. TIE INTO CIRCUIT SERVING STAIRWELL #2.



1 LIGHTING PLAN - FIRST FLOOR WEST
E2.01 SCALE: 1/8" = 1'-0"

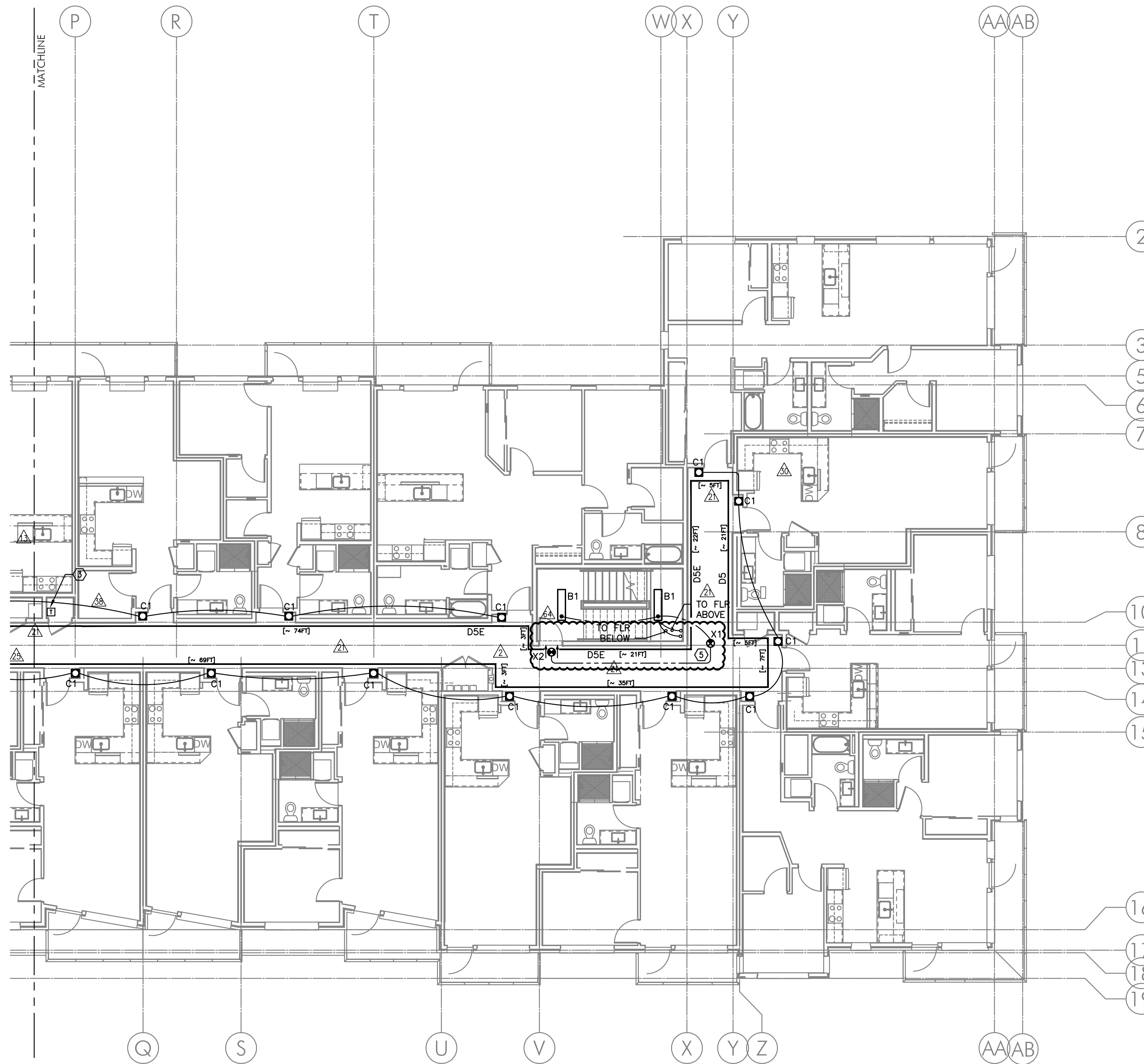
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- D. REFER TO E1.21 FOR LUMINAIRE SCHEDULE.
- E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND INTERIOR DESIGNER FOR ALL FIXTURE LOCATIONS PRIOR TO THE START OF ANY ROUGH IN WORK
- F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.
- G. LOW VOLTAGE POWER SUPPLIES FOR LED COVE LIGHTS SHALL BE LOCATED AS INDICATED IN SHEET NOTE #3 BELOW. POWER SUPPLIES SHALL BE INSTALLED IN THE TRASH ROOM AND DATA CLOSETS AT EACH FLOOR, WITH EACH LOCATION SERVING ONE HALF OF THE CORRIDOR COVE LIGHTS. QUANTITY & SIZE OF POWER SUPPLIES SHALL BE PER MANUFACTURER RECOMMENDATION. REFER TO MFR PRODUCT SUBMITTALS FOR MORE INFORMATION.

KEYED NOTES:

1. PROVIDE LOCKING SWITCH COVER.
2. CONSULT INTERIOR DECORATOR'S PLAN SET FOR EXACT INFORMATION, LOCATION AND INSTALLATION REQUIREMENTS FOR THE RECESSED COVE LIGHTS IN THE ELEVATOR LOBBY.
3. LOW VOLTAGE TRANSFORMERS FOR COVE LIGHTING PER MANUFACTURER'S REQUIREMENTS. MOUNT DEVICES CLOSE TO CEILING OR ABOVE, IF PROVIDING ACCESS PANEL. WIRING TO BE #12 AWG TO MEET MANUFACTURER'S REQUIREMENTS FOR 5% VOLTAGE DROP. MAXIMUM WIRING RUN TO BE 80'-0". CONSULT MFR. FOR ADDITIONAL INFORMATION.
4. ALL EXIT SIGNS AND ELEVATOR THRESHOLD LIGHTS SHALL BE CONSTANT 'ON'. TIE INTO CIRCUIT SERVING STAIRWELL #1.
5. ALL EXIT SIGNS SHALL BE CONSTANT 'ON'. TIE INTO CIRCUIT SERVING STAIRWELL #2.

2 LIGHTING PLAN - SECOND FLOOR (EAST)
E2.02 SCALE: 1/8" = 1'-0"

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SHEET:

E2.02E

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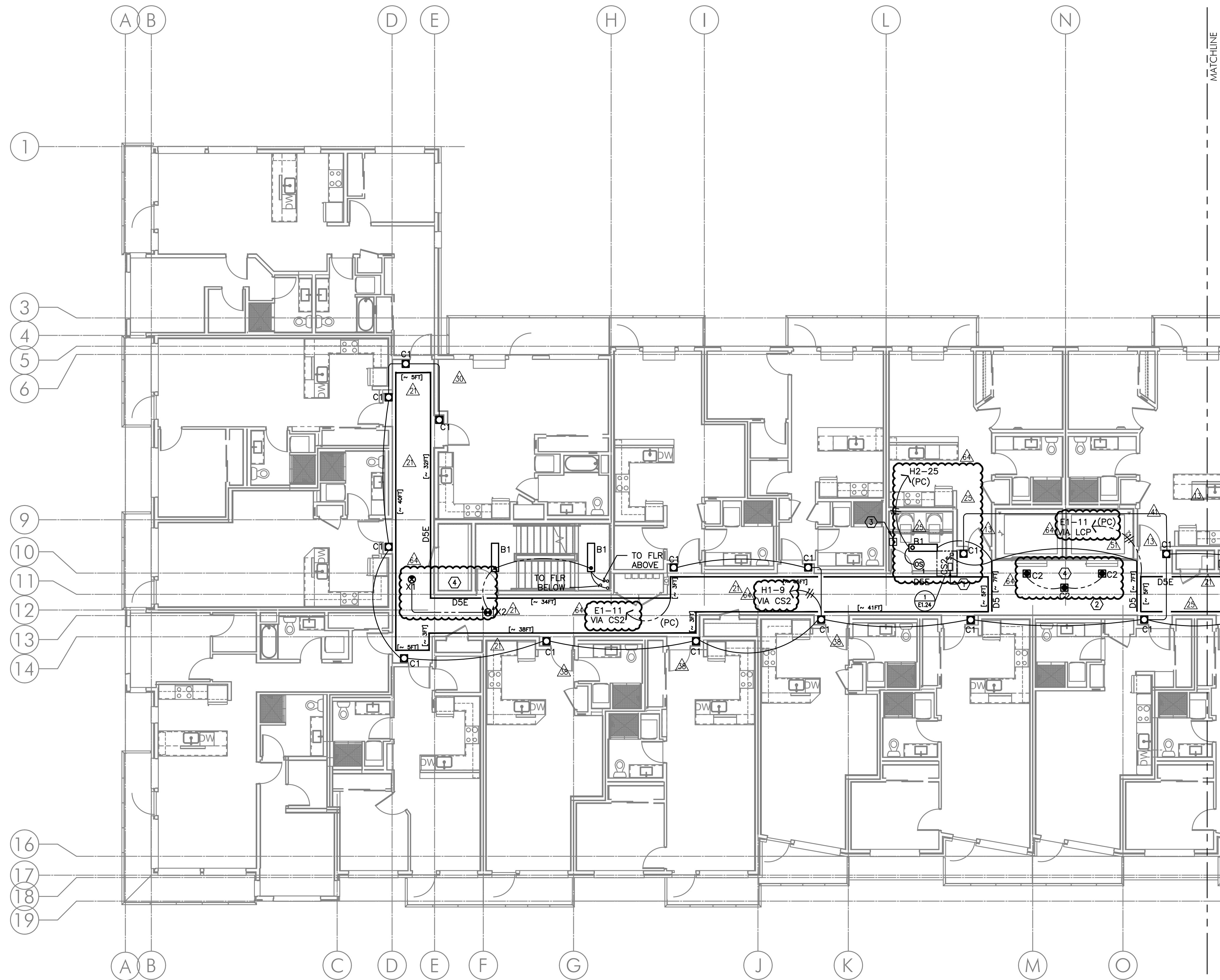
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SHEET:
E2.02W



GENERAL NOTES:

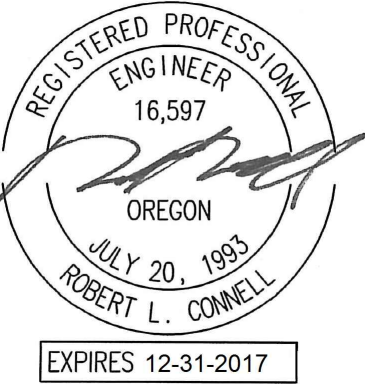
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1 LIGHTING PLAN - SECOND FLOOR (WEST)
E2.02 SCALE: 1/8" = 1'-0"

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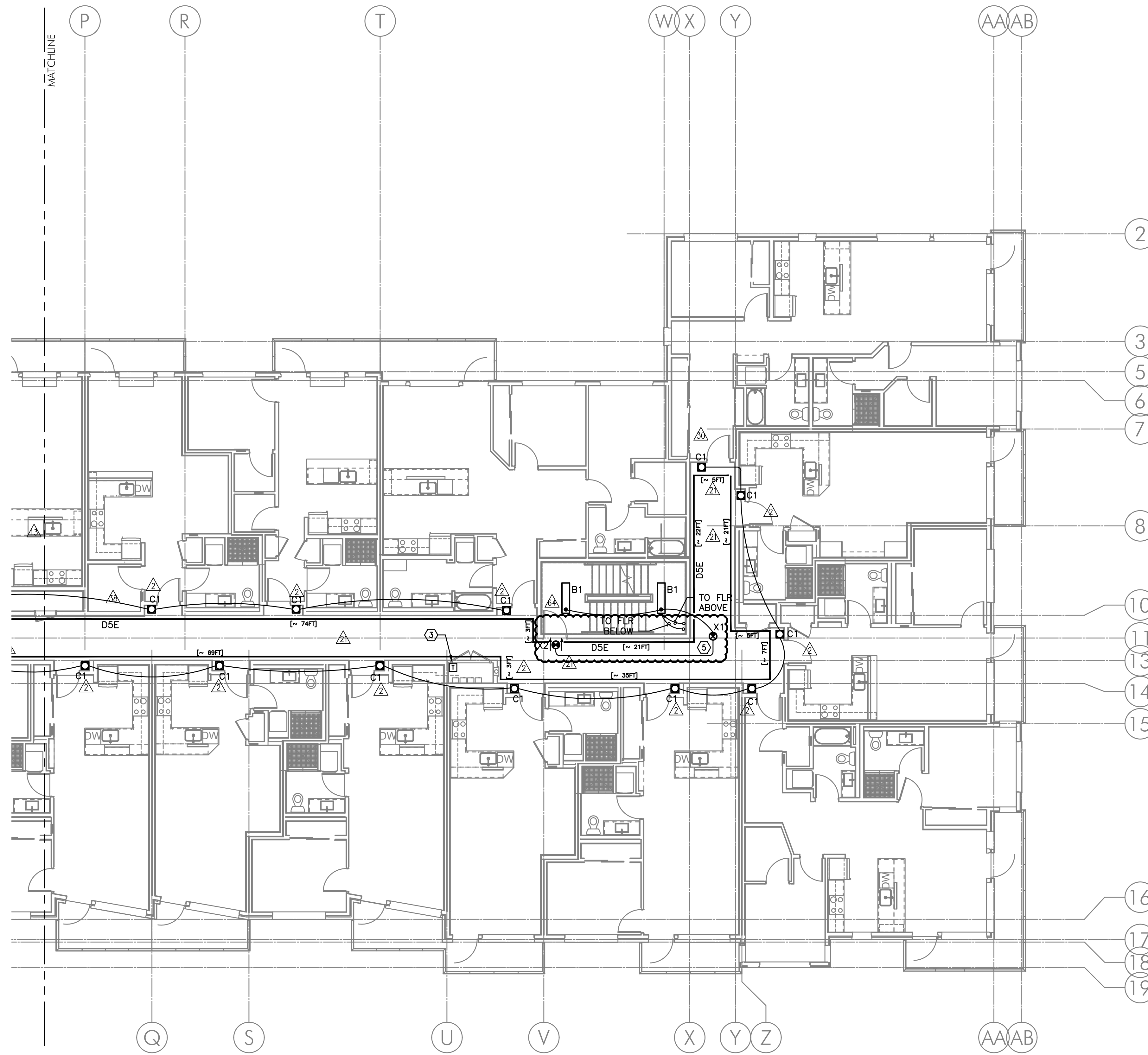
- REVISIONS
- △ COORDINATION 01.27.17
 - △ COORDINATION 04.14.17
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2 LIGHTING PLAN - THIRD FLOOR (EAST)
E2.03 SCALE: 1/8" = 1'-0"

**MISSISSIPPI AT COOK
MIXED-USE BUILDING**
751 NORTH COOK STREET PORTLAND, OREGON 97227

SHEET:
E2.03E

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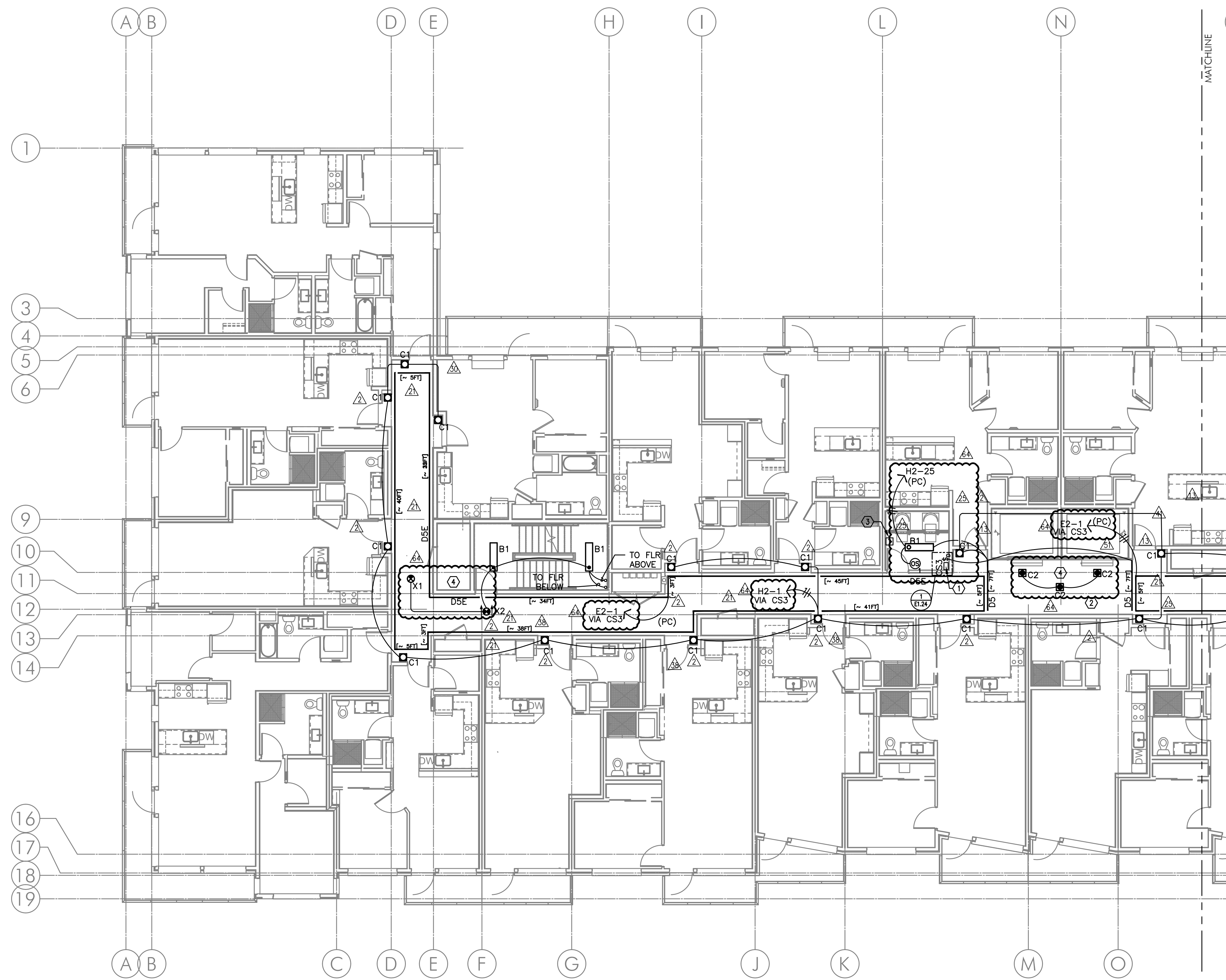
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SHEET:
E2.03W



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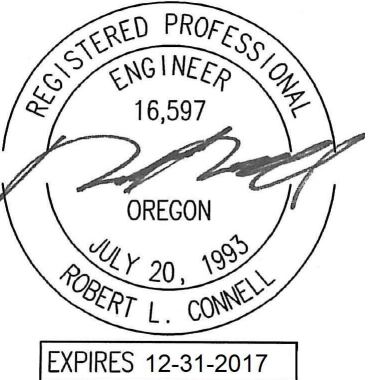
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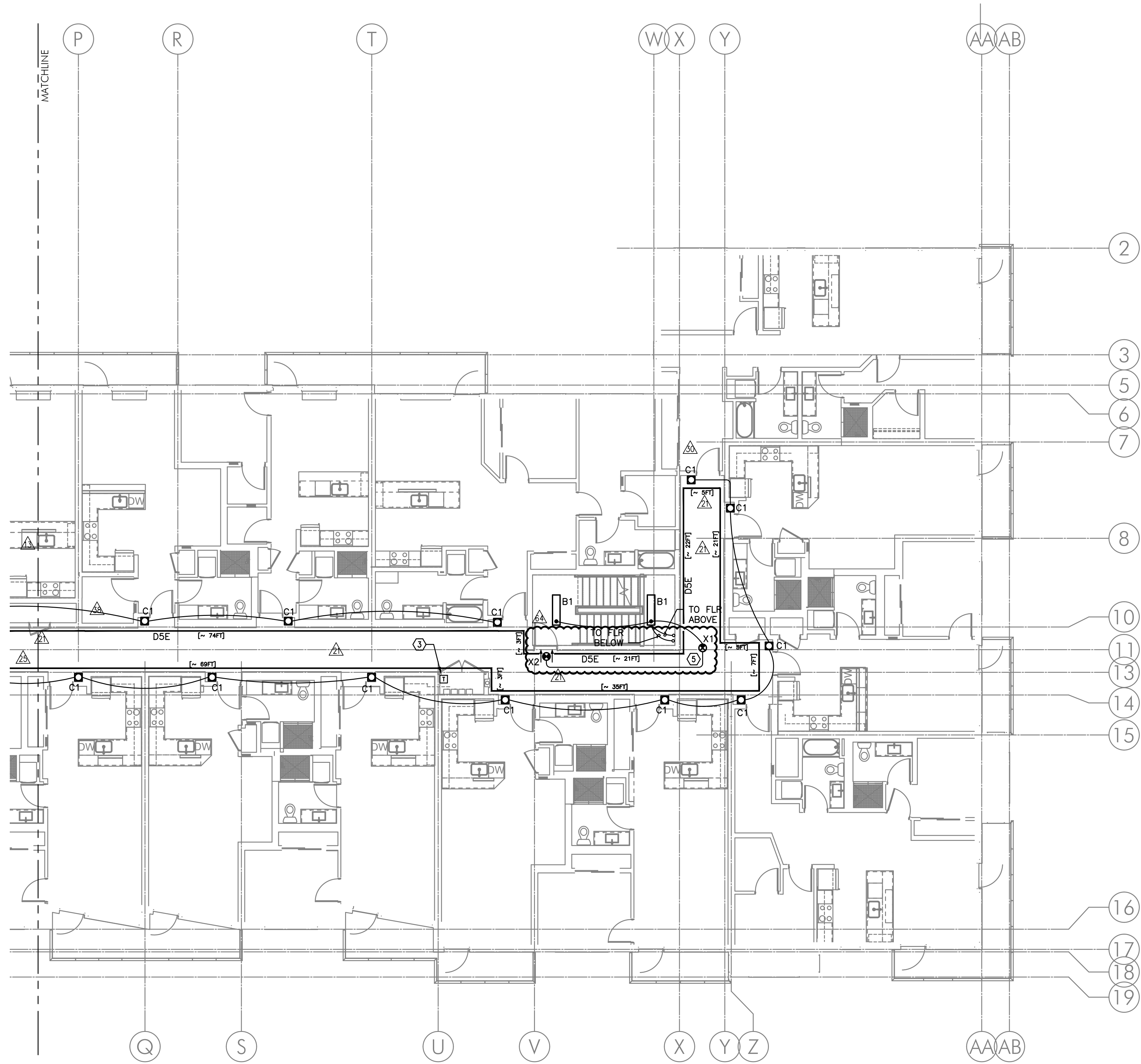


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2 LIGHTING PLAN - FOURTH FLOOR (EAST)
E2.04 SCALE: 1/8" = 1'-0"

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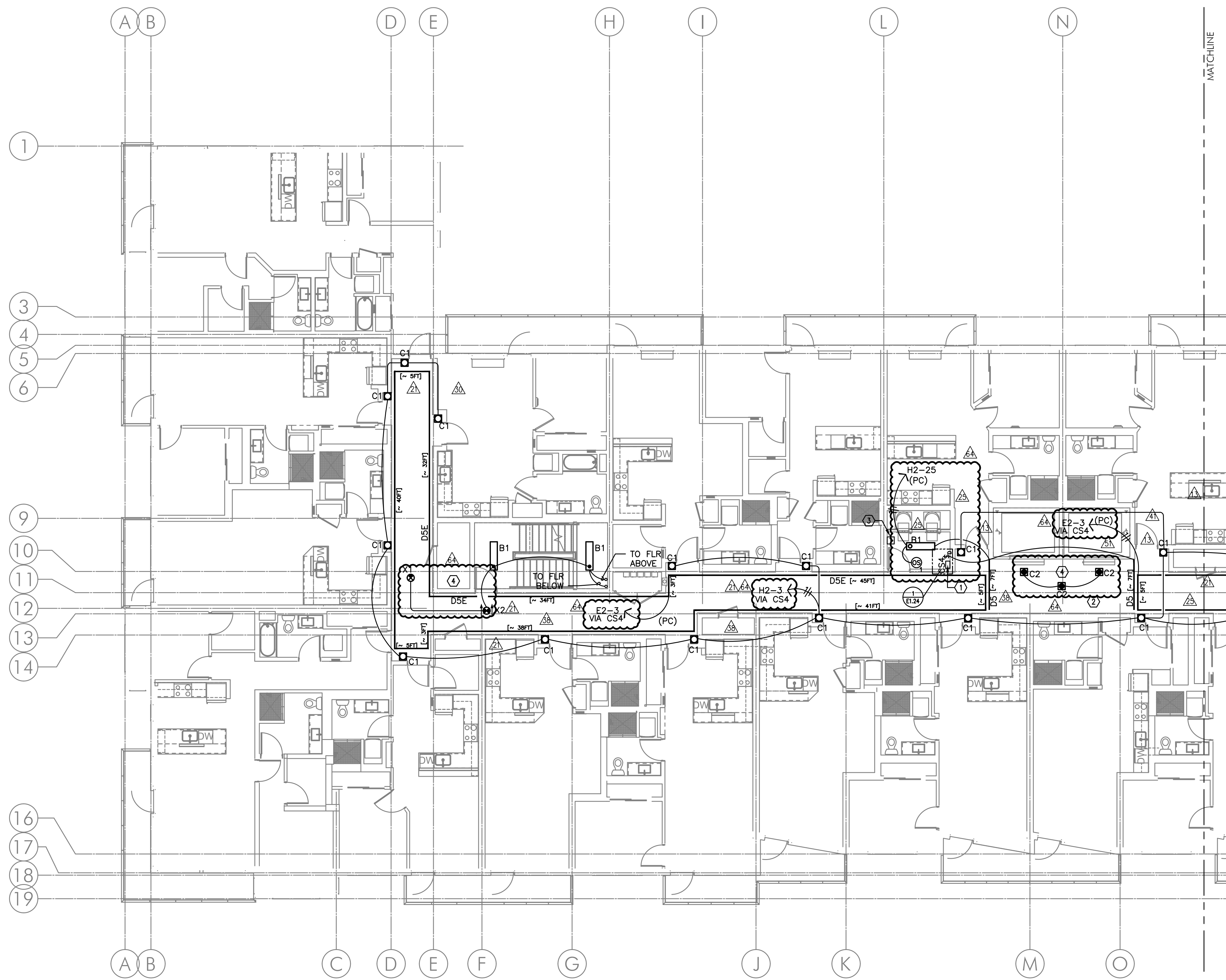
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SHEET:
E2.04W



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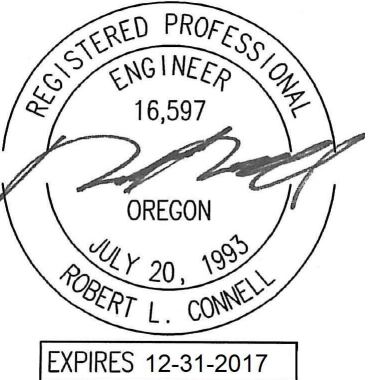
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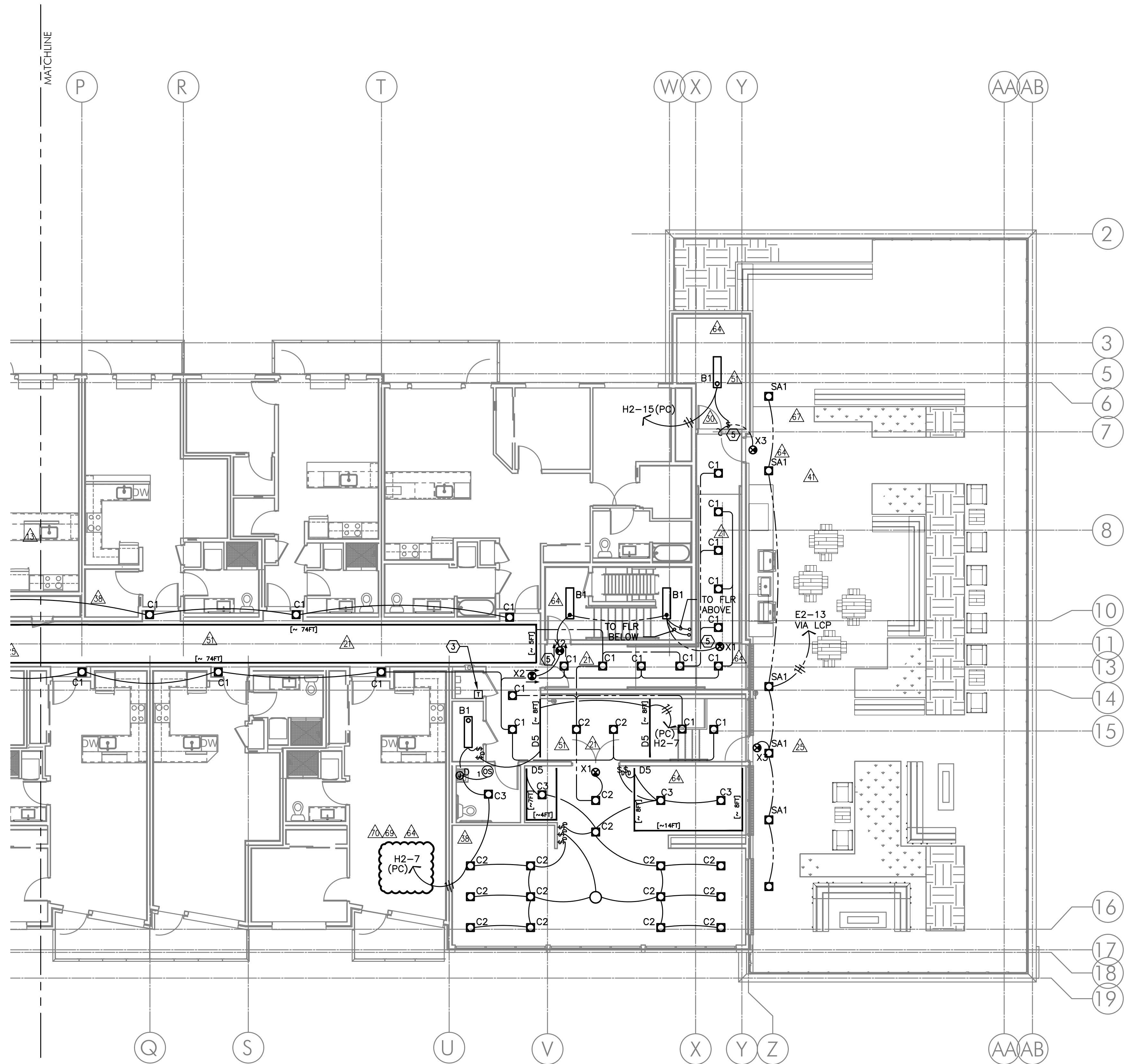
- REVISIONS
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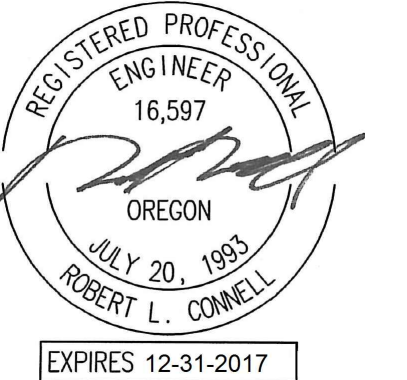


2 LIGHTING PLAN - FIFTH FLOOR (EAST)
E2.05 SCALE: 1/8" = 1'-0"

MISSISSIPPI AT COOK
MIXED-USE BUILDING
751 NORTH COOK STREET PORTLAND, OREGON 97227

SHEET:
E2.05E

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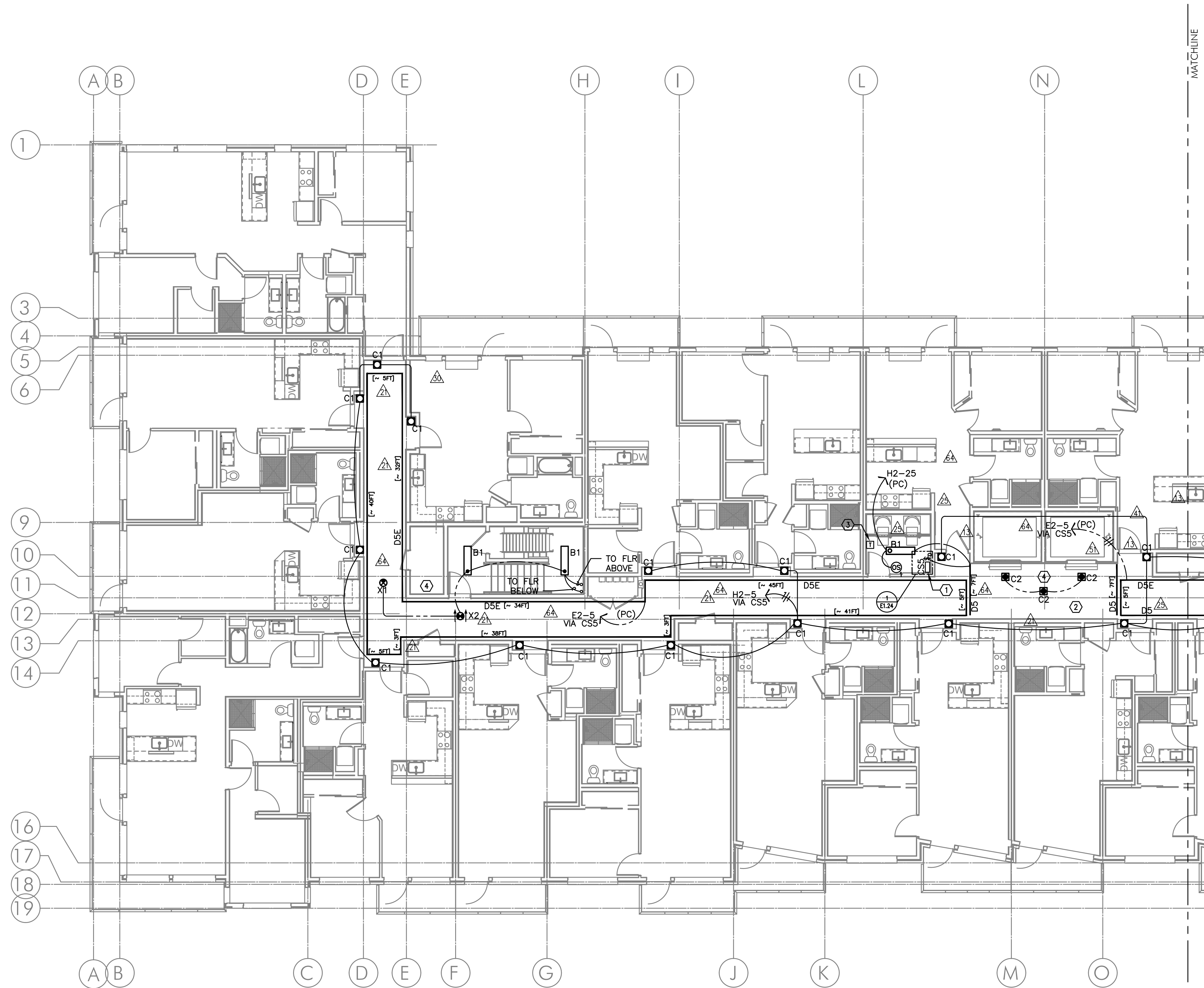
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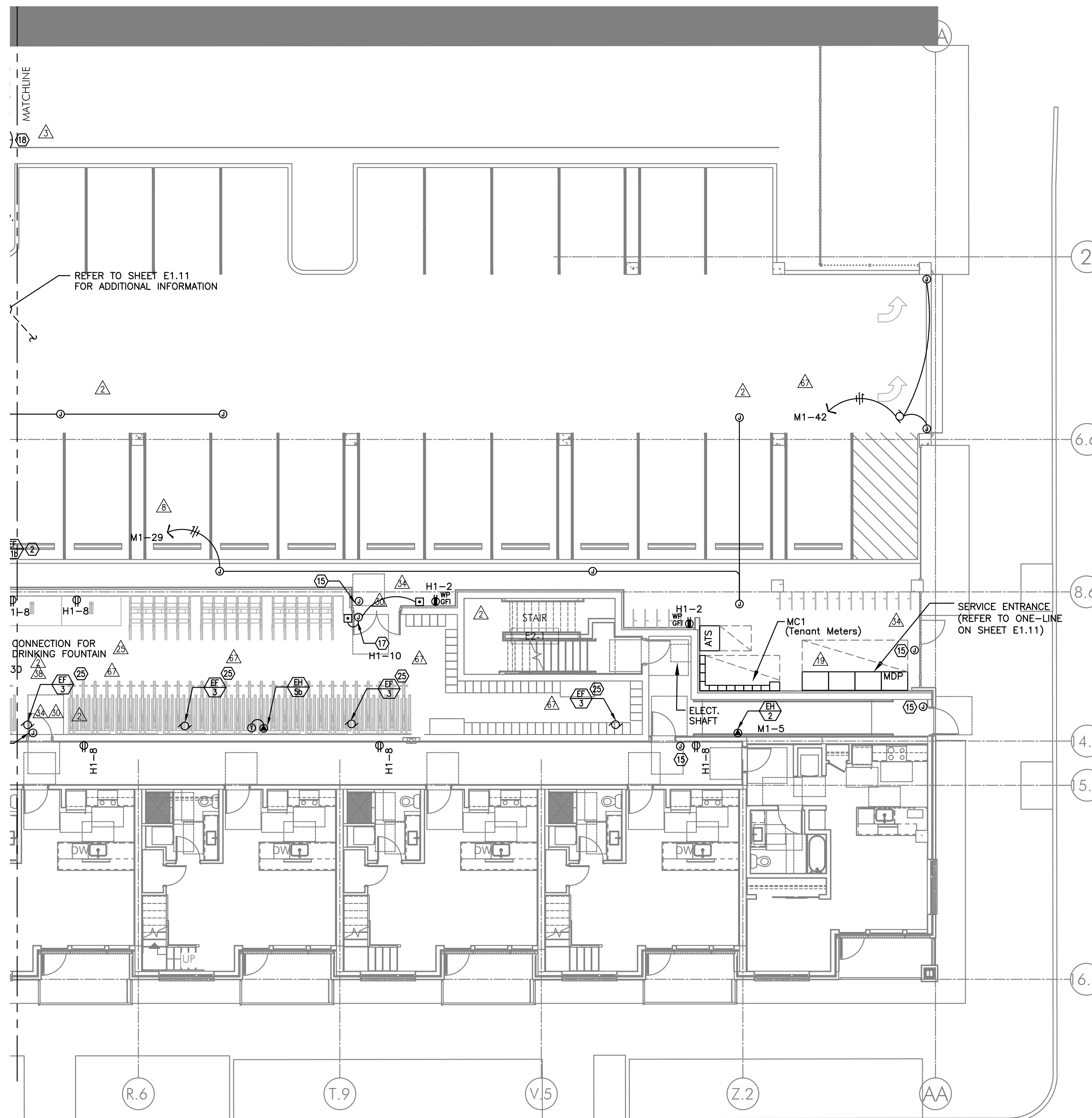
E3.01E

GENERAL POWER 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.
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- C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.
- D. LIGHTING AND RECEPTACLES IN THE RETAIL LEASE SPACES SHALL BE PROVIDED WITH TEMPORARY CIRCUITS FROM THE HOUSE BRANCH PANELS AS INDICATED ON THE PLANS. AT SUCH TIME THAT EACH SPACE IS LEASED AND BUILT TO SUIT THE TENANT, THE TEMPORARY POWER CIRCUITS SHALL BE DISCONNECTED AND REMOVED, WITH THE BREAKERS NOTED AS "SPARE".
- E. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- F. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.
- G. ELECTRICAL PANELS LOCATED IN PUBLIC OR UNSECURED SPACES SHALL BE PROVIDED WITH A LOCKABLE DOOR PANEL.
- △ H. PER IFC 5704.2.3.2, TANKS MORE THAN 100 GALLONS (379 L) IN CAPACITY, WHICH ARE PERMANENTLY INSTALLED OR MOUNTED AND USED FOR THE STORAGE OF CLASS I, II OR III LIQUIDS, SHALL BEAR A LABEL AND PLACARD IDENTIFYING THE MATERIAL THEREIN. PLACARDS SHALL BE IN ACCORDANCE WITH NFPA 704.

KEYED NOTES:

- △ 1. ROUTE (2) EMPTY 3" CONDUIT WITH PULL STRING, FROM MC2 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. 120V GENERATOR BLOCK HEATER. FED FROM PANEL EM.
- 4. 120V GENERATOR BATTERY CHARGER. FED FROM PANEL EM.
- 5. GENERATOR OUTPUT BREAKER AND CONTROL SECTION. FED FROM PANEL EM.
- 6. POWER AND CONTROL TO TRANSFER SWITCH AND REMOTE ANNUNCIATOR. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
- 7. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
- 8. GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL EM.
- 9. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA. REFER TO DETAIL 3/E1.23 FOR TYPICAL BATHROOM SWITCHING DIAGRAM.
- 10. IRRIGATION CONTROLS FED FROM PANEL M1.
- 11. CONCRETE BOLLARDS LOCATED FOR THE PROTECTION OF THE GENERATOR EQUIPMENT.
- 12. 20A, 120V, 1P POWER CONNECTION FOR BLADE SIGNS. TIE INTO BUILDING EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AT EACH LOCATION.
- △ 13. PROVIDE ONE 20A, 120V CIRCUIT (TIGHT TO STRUCTURE) FOR TRAP PRIMER CONNECTIONS FROM PANEL 'M1'. COORDINATE EXACT LOCATIONS WITH PLUMBING CONTRACTOR.
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- △ 16. PROVIDE COUNTER HEIGHT DUPLEX RECEPTACLE WITH USB PORT. COORDINATE WITH INTERIOR DESIGNER FOR EXACT LOCATION.
- △ 17. PROVIDE 20A, 120V, 1P POWER CONNECTION AT CEILING FOR AUTOMATIC DOOR OPENER(S). CIRCUIT AS NOTED.
- △ 18. DIESEL GENERATOR TANK SHALL BE DOUBLE WALLED AND 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 AND NFPA 30 & 37.
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- △ 20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL "EM" FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR 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.
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- △ 22. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
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- 24. PROVIDE ONE 4" SQUARE J-BOX AT CANOPY FOR SIGN POWER CONNECTION. CIRCUIT VIA PANEL "M3" AS INDICATED. BUILDING SIGNS SHALL BE CONTROLLED VIA THE LIGHTING CONTROL PANEL. SEE E1.24 FOR ADDITIONAL INFORMATION. CONSULT ARCHITECT FOR EXACT LOCATION PRIOR TO ROUGH IN.
- △ 25. CIRCUIT EXHAUST FAN TO CORRESPONDING LIVING UNIT. REFER TO TYPICAL UNIT POWER PLANS.



REFER TO SHEET E1.11 FOR ADDITIONAL INFORMATION

2 POWER PLAN - FIRST FLOOR (EAST)
E3.01 SCALE: 1/8" = 1'-0"



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PROJECT # 14-62
DATE: 01/19/2016

- REVISIONS
- △ COORDINATION 08.04.17
 - △ COORDINATION 10.20.17
 - △ COORDINATION 01.26.18
 - △ COORDINATION 08.31.18
 - △ COORDINATION 06.14.19
 - △ COORDINATION 07.26.19

**MISSISSIPPI AT COOK
MIXED-USE BUILDING**
751 NORTH COOK STREET PORTLAND, OREGON 97227

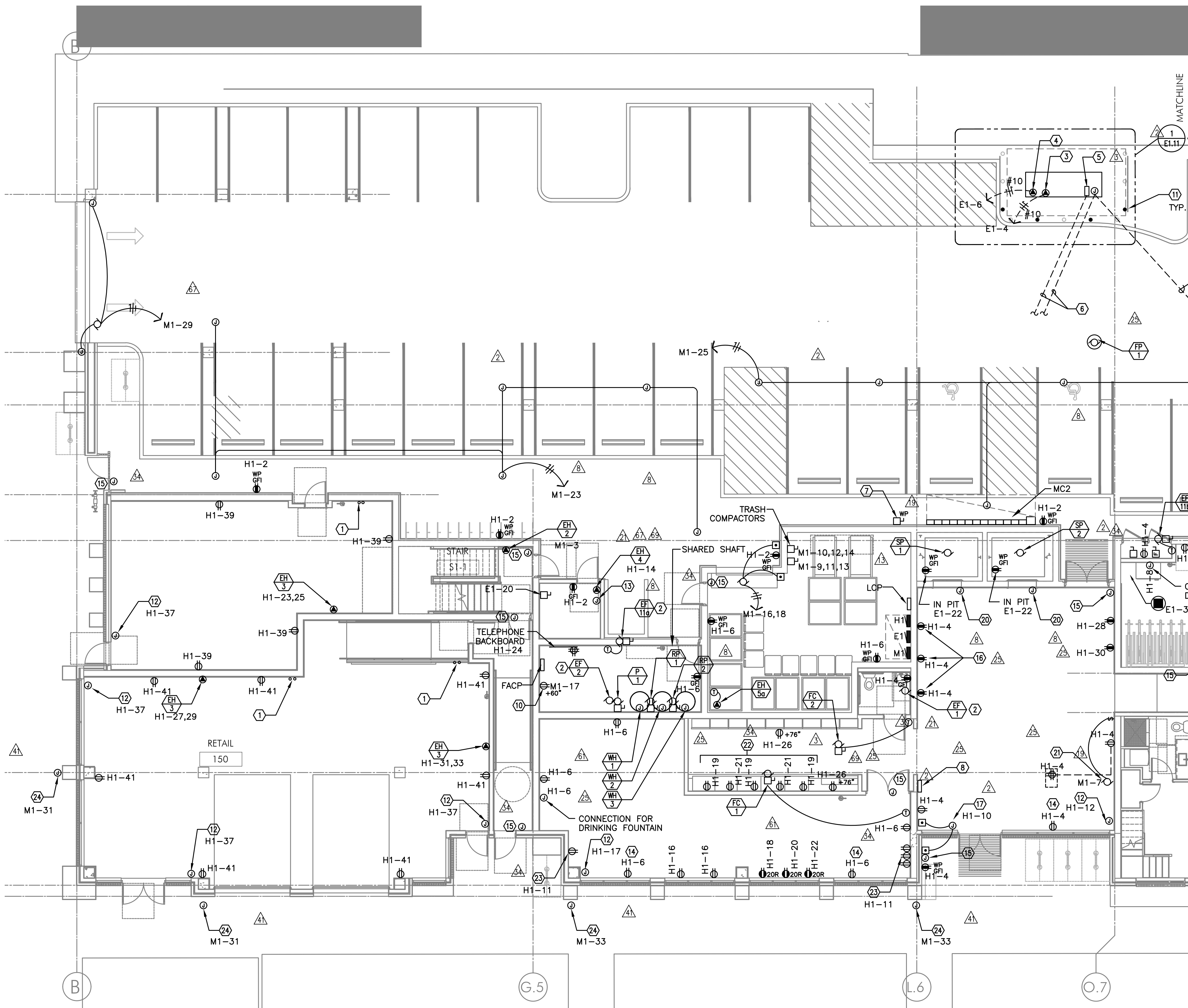
SHEET:
E3.01W

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1 POWER PLAN - FIRST FLOOR (WEST)
E3.01 SCALE: 1/8" = 1'-0"

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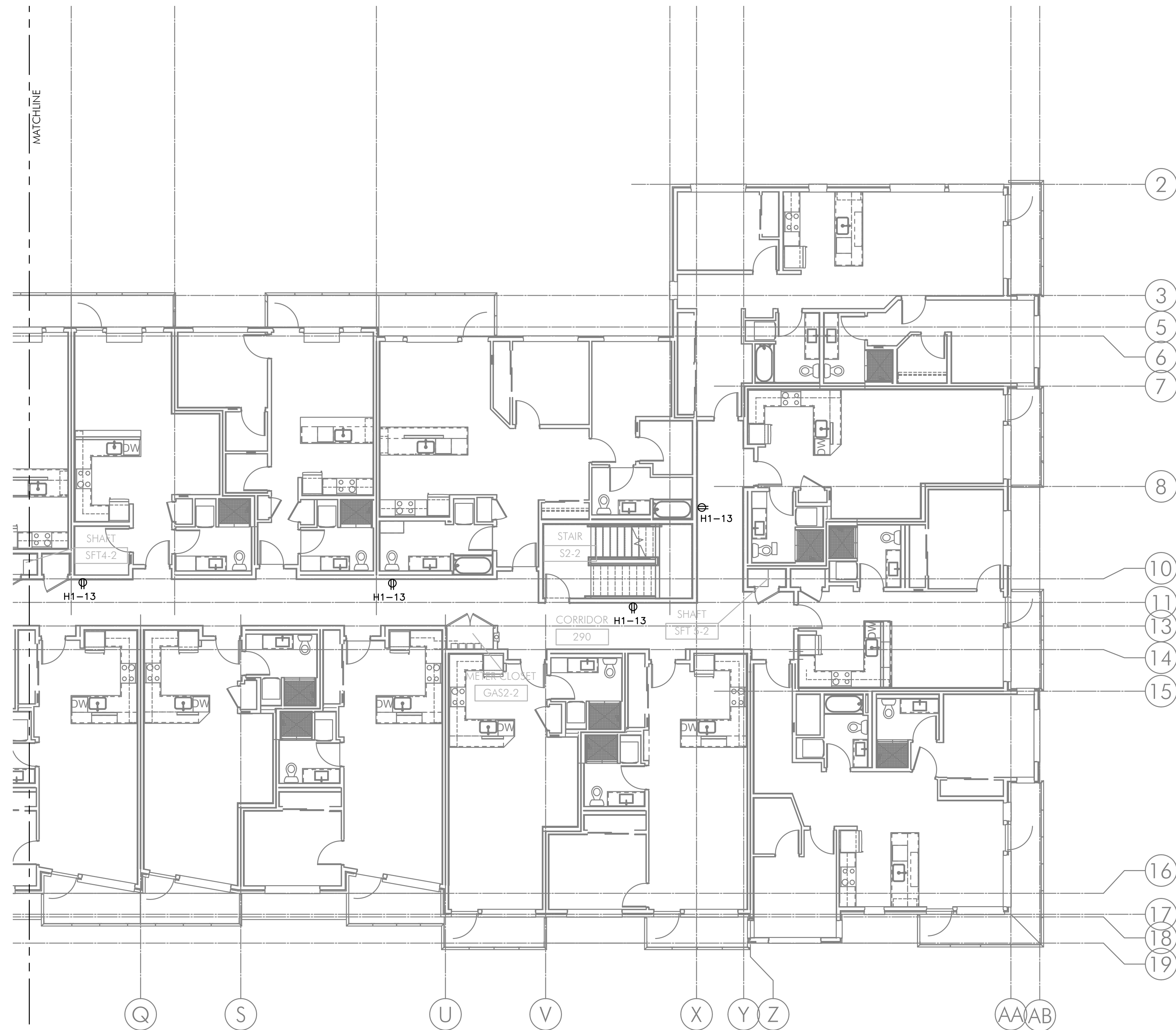


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PROJECT # 14-62
DATE: 01/19/2016

REVISIONS

MISSISSIPPI AT COOK
MIXED-USE BUILDING
751 NORTH COOK STREET PORTLAND, OREGON 97227



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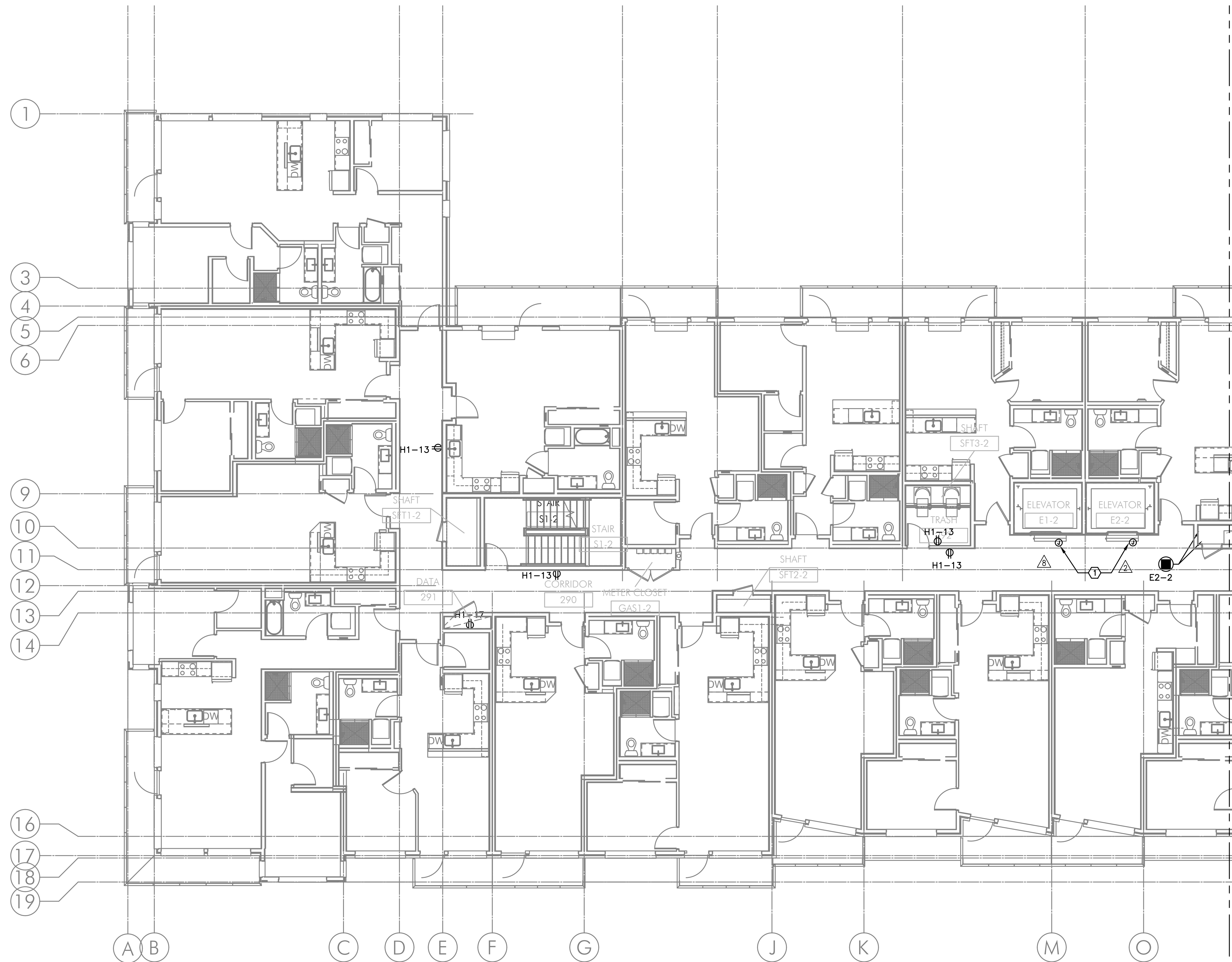
2 POWER PLAN - SECOND FLOOR (EAST)
E.3.02 SCALE: 1/8" = 1'-0"



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PROJECT # 14-62
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REVISIONS
 △ PLAN REVIEW 05.10.16
 △ COORDINATION 10.28.16



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1 POWER PLAN - SECOND FLOOR (WEST)
E3.02 SCALE: 1/8" = 1'-0"

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SHEET:
E3.02W

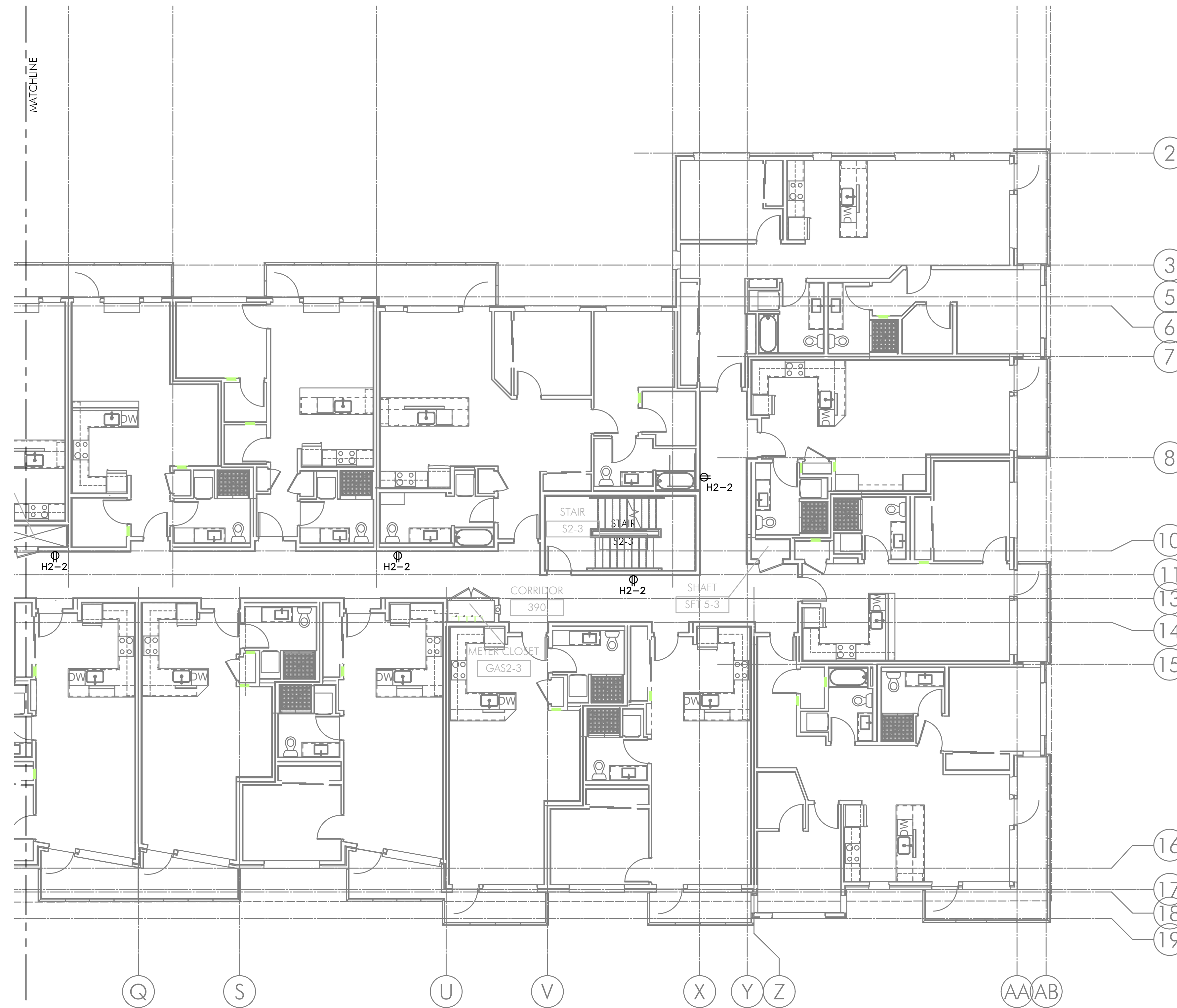
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2 POWER PLAN - THIRD FLOOR (EAST)
E3.03 SCALE: 1/8" = 1'-0"

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SHEET:

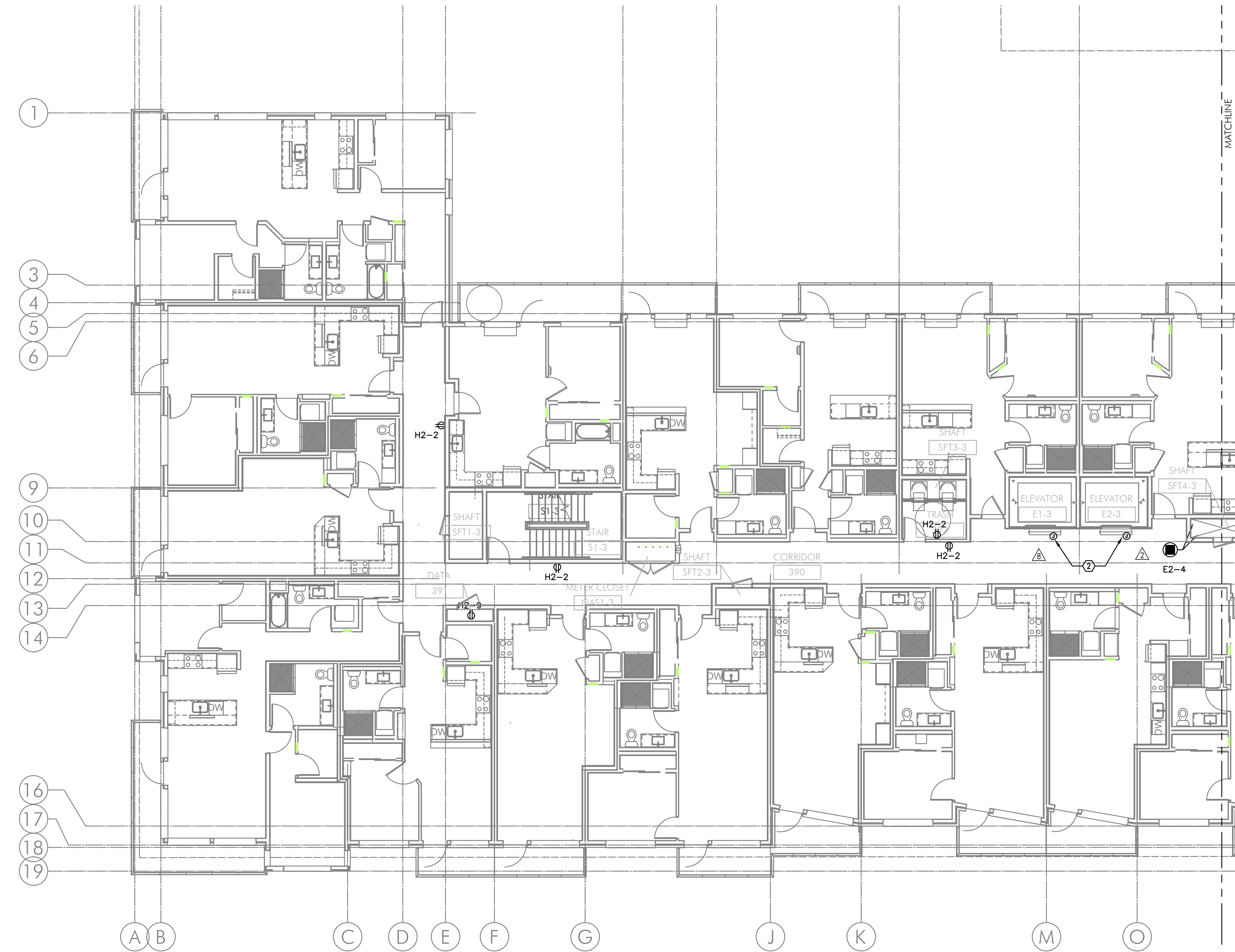
E3.03E



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SHEET:

E3.03W

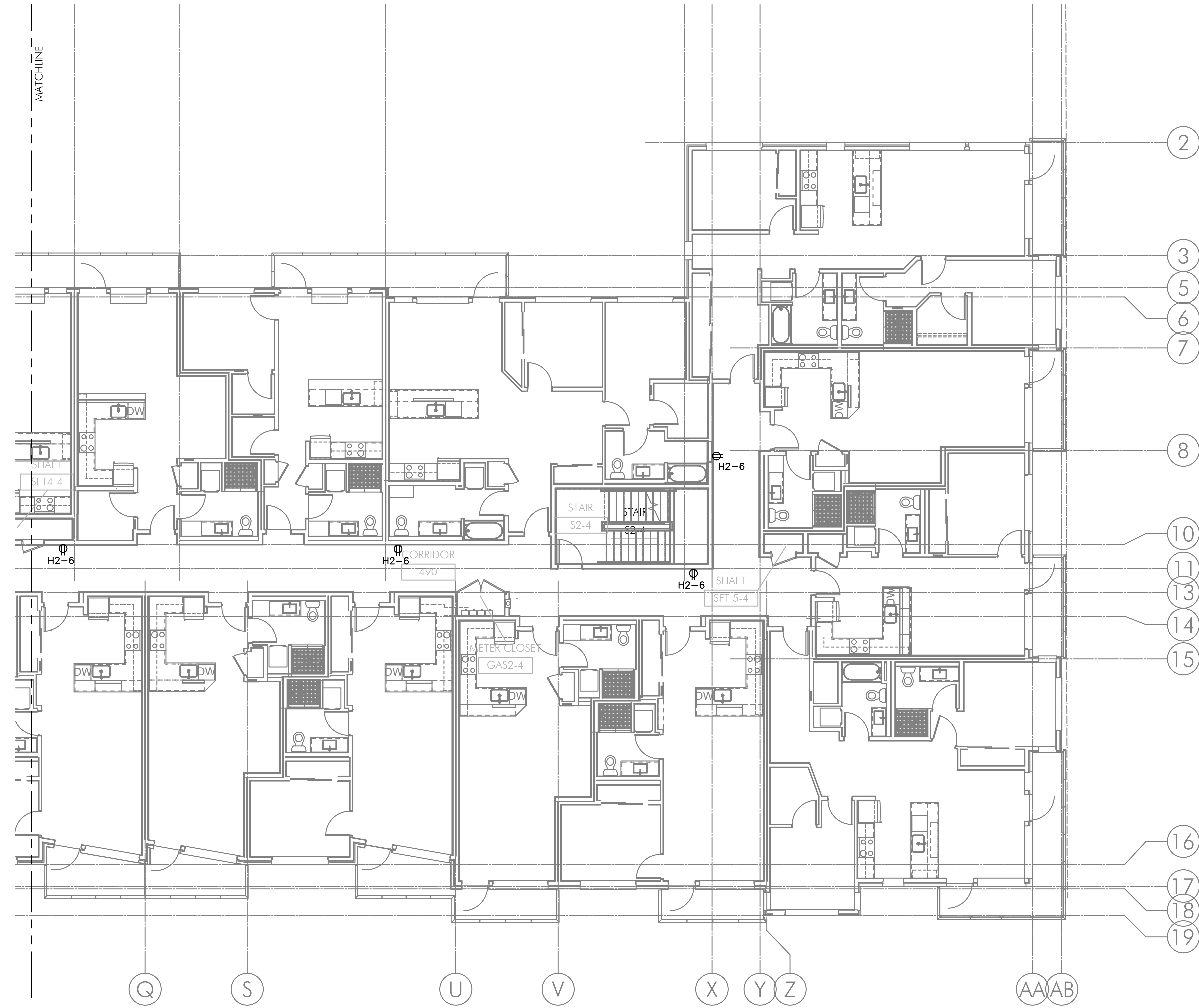
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2 POWER PLAN – FOURTH FLOOR (EAST)
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- F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- G. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

KEYED NOTES:

- 1. PROVIDE LOCKING DOOR FOR BRANCH PANELS IN THIS AREA.
- 2. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL "EM" FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR 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.

MISSISSIPPI AT COOK
MIXED-USE BUILDING
 751 NORTH COOK STREET PORTLAND, OREGON 97227

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A PHN: (503) 234-0548
INC. FAX: (503) 234-0877
 WWW.MEIA-ENG.COM
 CONTACT: DENISE TAYLOR

SHEET:
E3.04E



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PROJECT # 14-62
DATE: 01/19/2016

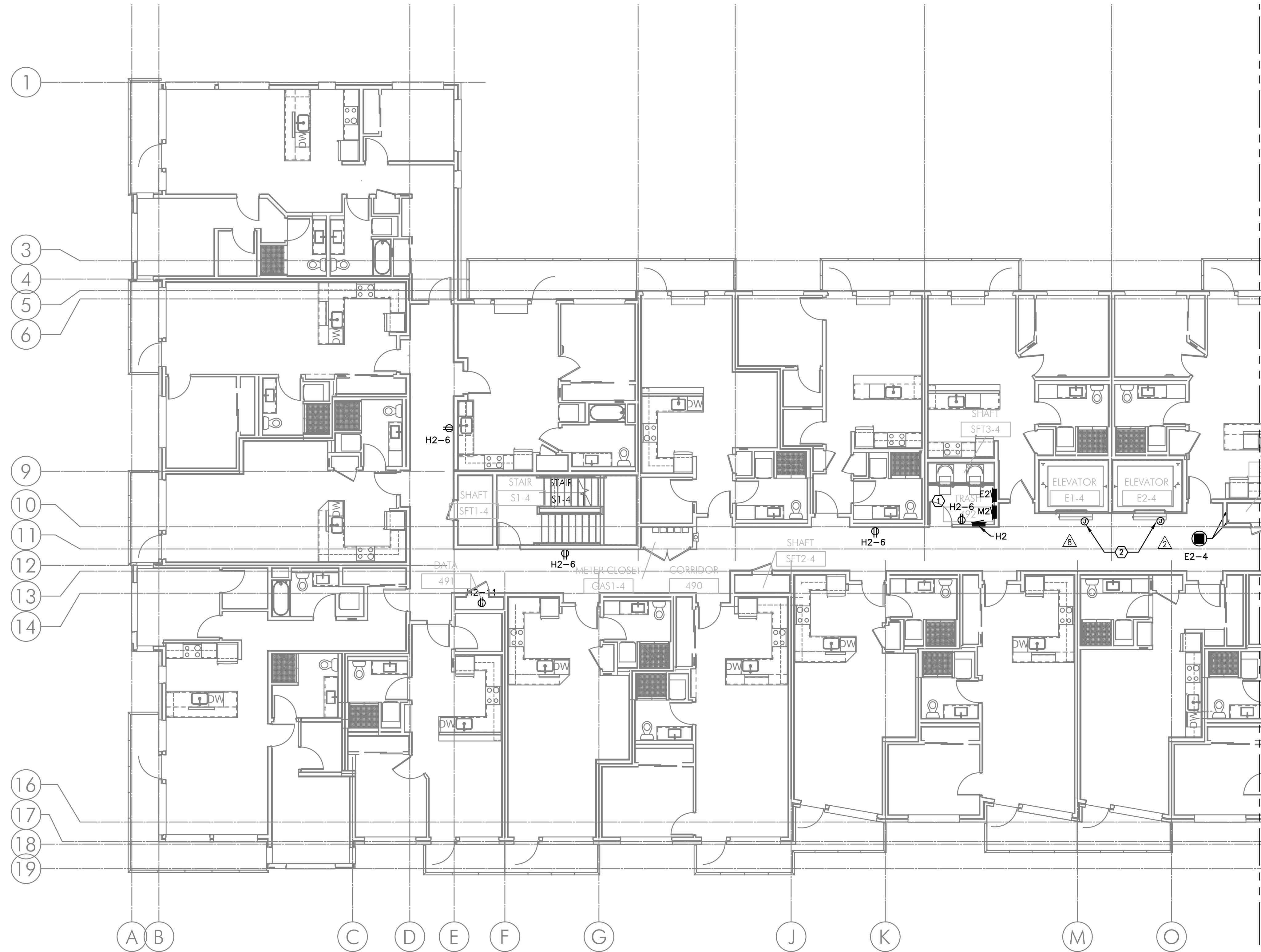
REVISIONS
 △ PLAN REVIEW 05.10.16
 △ COORDINATION 10.28.16

GENERAL POWER 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. 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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- E. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.12.
- F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
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KEYED NOTES:

- 1. PROVIDE LOCKING DOOR FOR BRANCH PANELS IN THIS AREA.
- △ 2. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL "EM" FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR 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.



1 POWER PLAN - FOURTH FLOOR (WEST)
E3.04 SCALE: 1/8" = 1'-0"

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PROJECT # 14-62
DATE: 01/19/2016

- REVISIONS
- △ COORDINATION 10.20.17
 - △ COORDINATION 02.23.18
 - △ COORDINATION 06.14.19
 - △ COORDINATION 07.26.19
 - △ COORDINATION 08.09.19
 - △ COORDINATION 08.30.19

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SHEET:

E3.05E

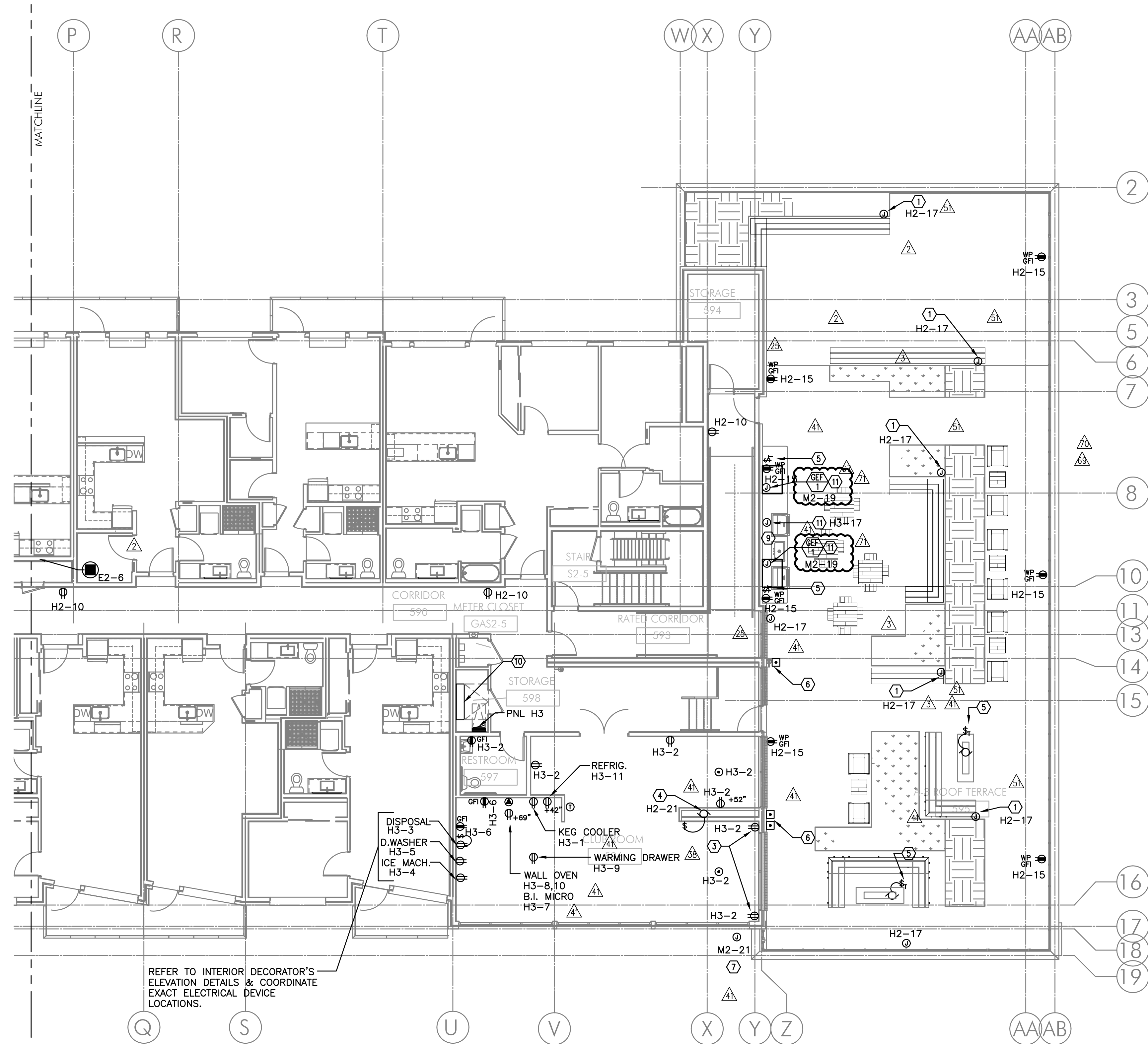
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GENERAL POWER NOTES:

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- 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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- E. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.12.
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- G. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

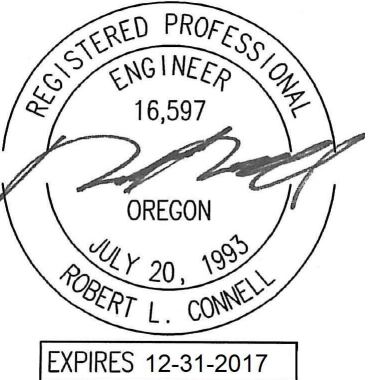
KEYED NOTES:

1. ELECTRICAL CONTRACTOR TO COORDINATE WITH LANDSCAPE PROVIDER FOR EXACT LOCATION OF POWER CONNECTIONS TO LOW VOLTAGE LIGHTING. LANDSCAPE LIGHTING SHALL BE CIRCUITED VIA CIRCUIT H2-17 AS INDICATED ON PLANS.
2. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL "EM" FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR 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.
3. PROVIDE DUPLEX RECEPTACLE WITH USB PORT. VERIFY REQUIREMENT WITH INTERIOR DESIGNER PRIOR TO PURCHASE.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GAS FIREPLACE. CONSULT WITH MECHANICAL CONTRACTOR FOR EXACT WIRING REQUIREMENTS PRIOR TO ROUGH IN. CONSULT INTERIOR DECORATOR FOR EXACT LOCATION OF CONTROL SWITCH(ES) IF REQUIRED.
5. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX FOR GAS GRILL AND FIRE PIT IGNITER CONTROLS. CIRCUIT FROM PANEL 'H2'. SEE DETAIL 3/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM.
6. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'H2'. SEE DETAIL 3/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM. PROVIDE WEATHER PROOF LABEL EACH BUTTON WITH DEVICE IT CONTROLS.
7. PROVIDE ONE 4" SQUARE J-BOX AT CORNICE FOR SIGN POWER CONNECTION. CIRCUIT VIA PANEL 'M2' AS INDICATED. CONTROL SHALL BE VIA THE LIGHTING CONTROL PANEL. SEE E1.24 FOR MORE INFORMATION. CONSULT ARCHITECT FOR EXACT LOCATION PRIOR TO ROUGH IN.
8. NOT USED.
9. COUNTER TOP LOW VOLTAGE LIGHT FIXTURES, SUPPLIED BY LANDSCAPE DESIGNER TO BE POWERED VIA THE RECEPTACLE CIRCUIT AT THE GRILL LOCATION. CONSULT LANDSCAPE PLANS FOR MORE INFORMATION AND COORDINATE INSTALLATION.
10. GRILL HOOD CONTROL PANEL. CONTRACTOR SHALL PROVIDE BREAKERS AND ONE 15A, 120V, 1P CONDUCTOR FOR CONNECTION(S) BETWEEN PANEL 'H2' AND THE CONTROL PANEL. CONSULT "CAPTIVE AIRE" PLAN SHEETS FOR ADDITIONAL INFORMATION AND COORDINATE INSTALLATION WITH HOOD INSTALLER. SEE PANEL SCHEDULES ON E1.13.
11. CONTRACTOR SHALL PROVIDE THREE(3) 15A, 120V 1P CIRCUITS FROM PANEL 'M2' TO THE GRILL HOOD(S) LOCATED ON THE TERRACE, FOR EXHAUST FAN MOTORS & LIGHTS. CONSULT "CAPTIVE AIRE" PLAN SHEETS FOR ADDITIONAL INFORMATION AND COORDINATE EXACT LOCATION AND INSTALLATION WITH HOOD INSTALLER. SEE PANEL SCHEDULES ON E1.13.



2 POWER PLAN - FIFTH FLOOR (EAST)
E3.05 SCALE: 1/8" = 1'-0"

REFER TO INTERIOR DECORATOR'S ELEVATION DETAILS & COORDINATE EXACT ELECTRICAL DEVICE LOCATIONS.



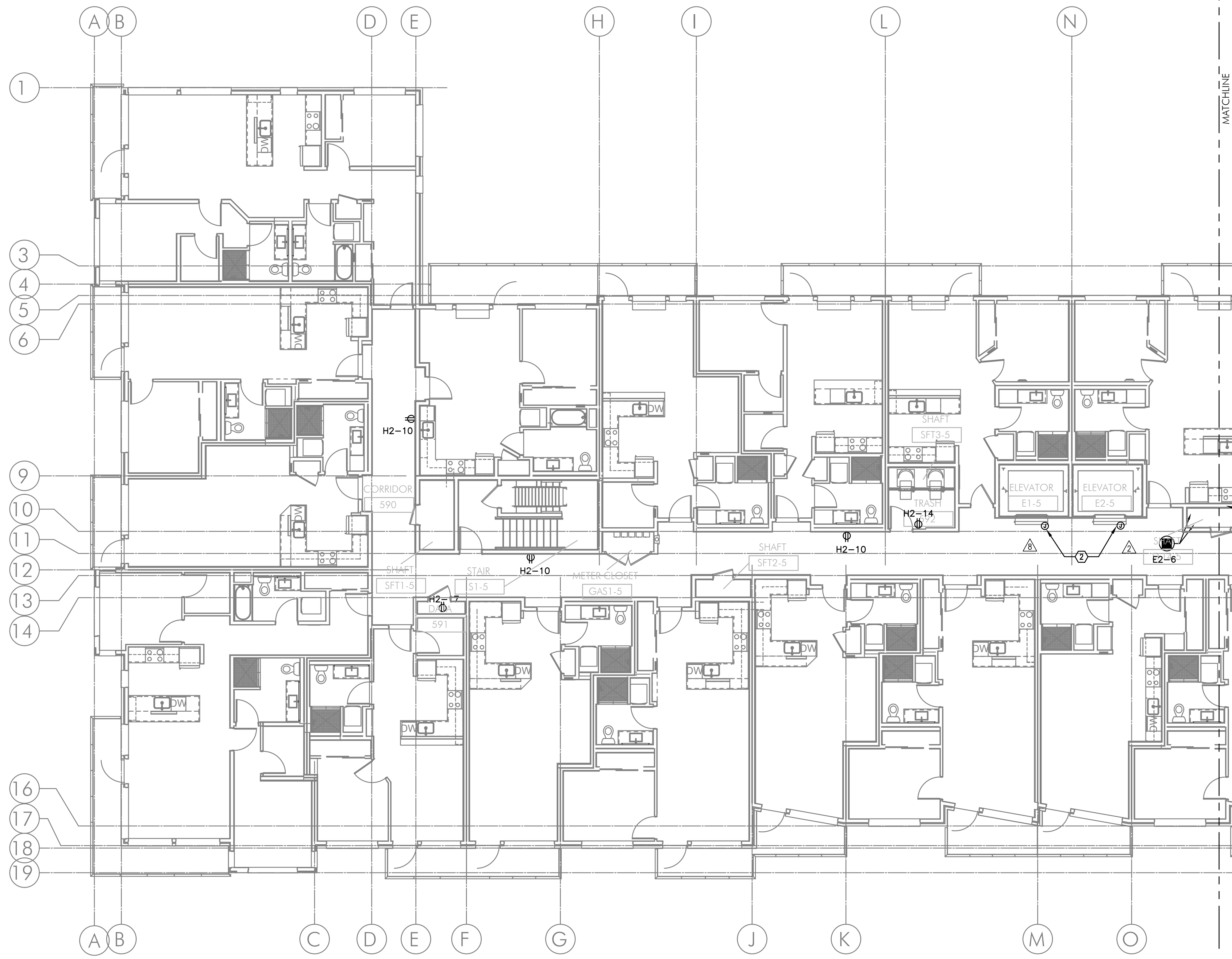
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REVISIONS
 △ PLAN REVIEW 05.10.16
 △ PLAN REVIEW 07.22.16
 △ COORDINATION 10.28.16

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SHEET:
E3.05W



1 POWER PLAN - FIFTH FLOOR (WEST)
E3.05 SCALE: 1/8" = 1'-0"

GENERAL POWER 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.
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- F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- G. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

KEYED NOTES:

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- 3. PROVIDE DUPLEX RECEPTACLE WITH USB PORT. VERIFY REQUIREMENT WITH INTERIOR DESIGNER PRIOR TO PURCHASE.
- 4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GAS FIREPLACE. CONSULT WITH MECHANICAL CONTRACTOR FOR EXACT WIRING REQUIREMENTS PRIOR TO ROUGH IN. CONSULT INTERIOR DECORATOR FOR EXACT LOCATION OF CONTROL SWITCH(ES) IF REQUIRED.
- 5. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX FOR GAS GRILL AND FIRE PIT IGNITER CONTROLS. CIRCUIT FROM PANEL 'H2'. SEE DETAIL 3/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM.
- 6. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'H2'. SEE DETAIL 3/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM. PROVIDE WEATHER PROOF LABEL EACH BUTTON WITH DEVICE IT CONTROLS.
- 7. PROVIDE ONE 4" SQUARE J-BOX AT CORNICE FOR SIGN POWER CONNECTION. CIRCUIT VIA PANEL 'M2' AS INDICATED. CONTROL SHALL BE VIA THE LIGHTING CONTROL PANEL. SEE E1.24 FOR MORE INFORMATION. CONSULT ARCHITECT FOR EXACT LOCATION PRIOR TO ROUGH IN.
- 8. NOT USED.
- 9. COUNTER TOP LOW VOLTAGE LIGHT FIXTURES, SUPPLIED BY LANDSCAPE DESIGNER TO BE POWERED VIA THE RECEPTACLE CIRCUIT AT THE GRILL LOCATION. CONSULT LANDSCAPE PLANS FOR MORE INFORMATION AND COORDINATE INSTALLATION.
- 10. GRILL HOOD CONTROL PANEL. CONTRACTOR SHALL PROVIDE BREAKERS AND ONE 15A, 120V, 1P CONDUCTOR FOR CONNECTION(S) BETWEEN PANEL 'H2' AND THE CONTROL PANEL. CONSULT MECHANICAL CONTRACTOR SHEETS FOR ADDITIONAL INFORMATION AND COORDINATION. CONTACT: DENISE TAYLOR

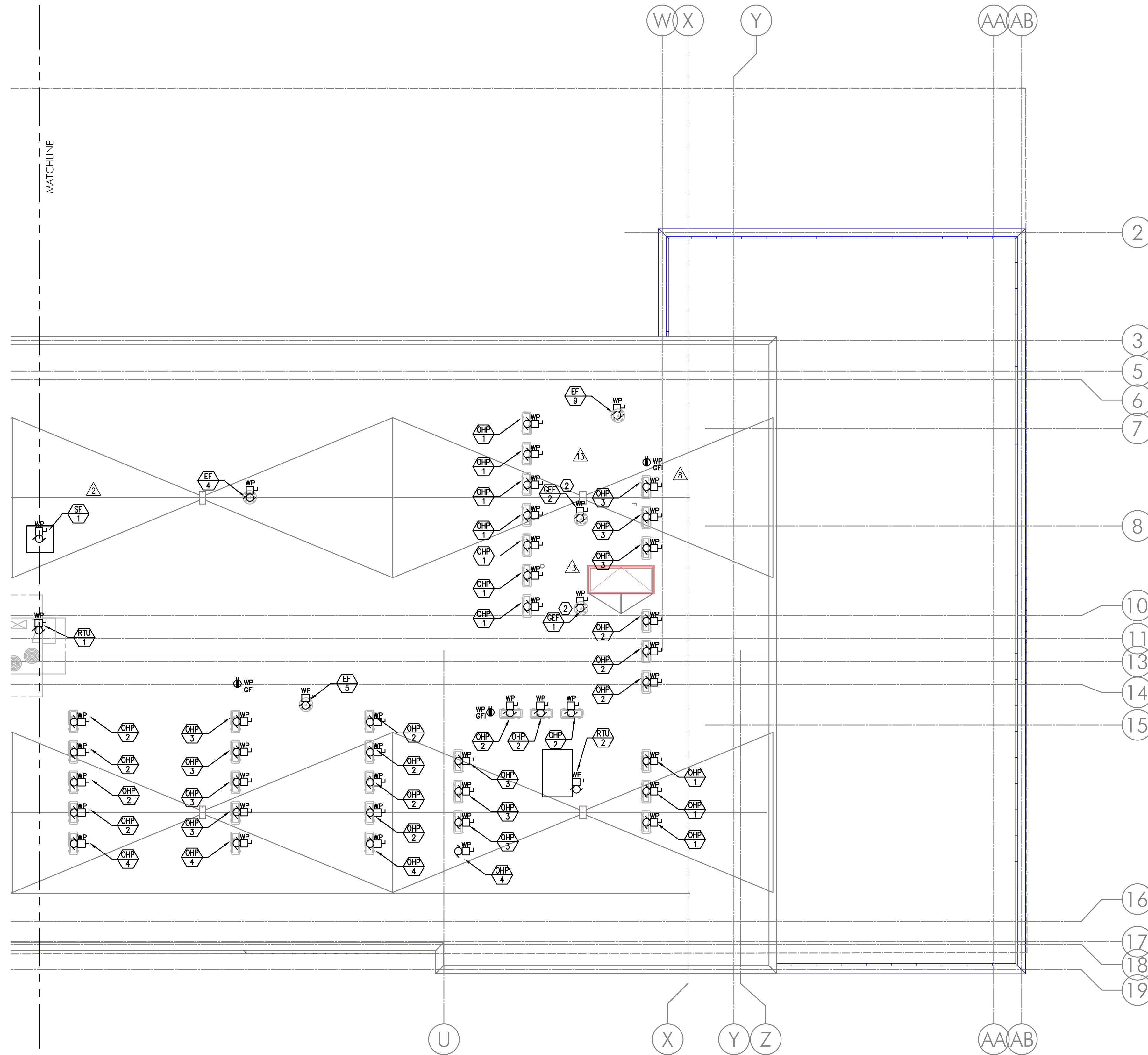


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PROJECT # 14-62
DATE: 01/19/2016

REVISIONS

△ PLAN REVIEW 05.10.16
△ COORDINATION 10.28.16
△ COORDINATION 01.27.17
△ COORDINATION 10.20.17



2 ROOF POWER PLAN - EAST
E3.06 SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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- REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.12.
- THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.
- ELECTRICAL CONTRACTOR SHALL CONSULT MECHANICAL PLANS FOR THE PURPOSE OF COORDINATING APARTMENT DESIGNATION(S) OF ROOF MOUNTED HEAT PUMP UNITS.

KEYED NOTES:

- ROUTE (1) EMPTY 1 1/2" CONDUIT WITH PULL STRING, FROM RETAIL LEASE SPACE FOR TENANT PROVIDED ROOFTOP EQUIPMENT, AT EACH LOCATION INDICATED AND CAP OFF.
- COORDINATE EXACT POWER REQUIREMENTS WITH GRILL HOOD MANUFACTURER AND INSTALLER PRIOR TO ROUGH IN. CIRCUIT AS INDICATED.

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SHEET:

E3.06E

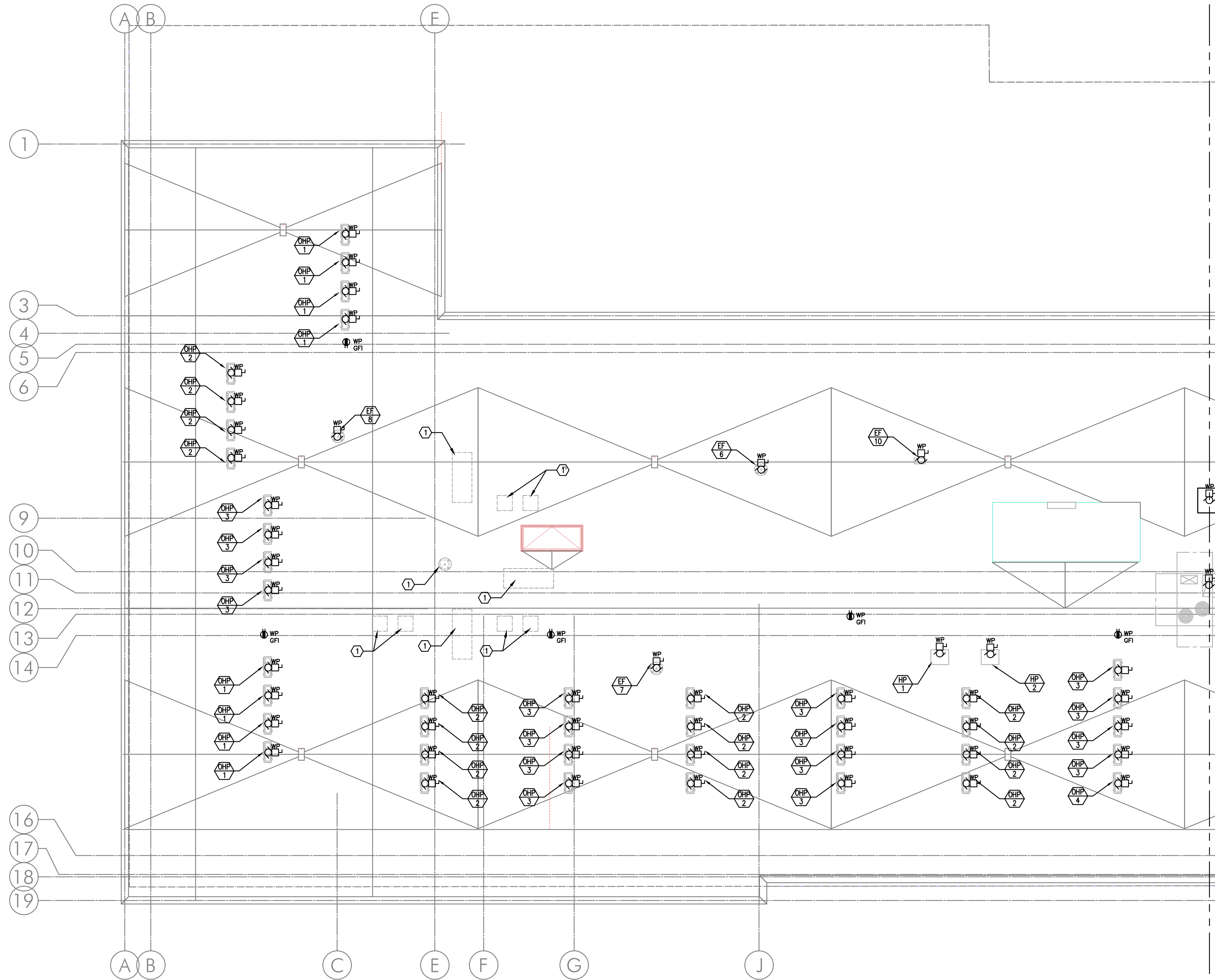
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PROJECT # 14-62
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REVISIONS
A COORDINATION 10.20.17



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KEYED NOTES:

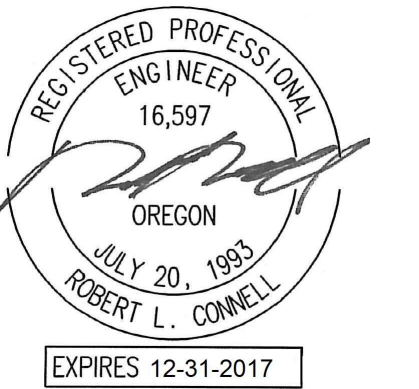
- 1. ROUTE (1) EMPTY 1 1/2" CONDUIT WITH PULL STRING, FROM RETAIL LEASE SPACE FOR TENANT PROVIDED ROOFTOP EQUIPMENT, AT EACH LOCATION INDICATED AND CAP OFF.
- 2. COORDINATE EXACT POWER REQUIREMENTS WITH GRILL HOOD MANUFACTURER AND INSTALLER PRIOR TO ROUGH IN. CIRCUIT AS INDICATED.

1 ROOF POWER PLAN - WEST
E3.06 SCALE: 1/8" = 1'-0"

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SHEET:
E3.06W

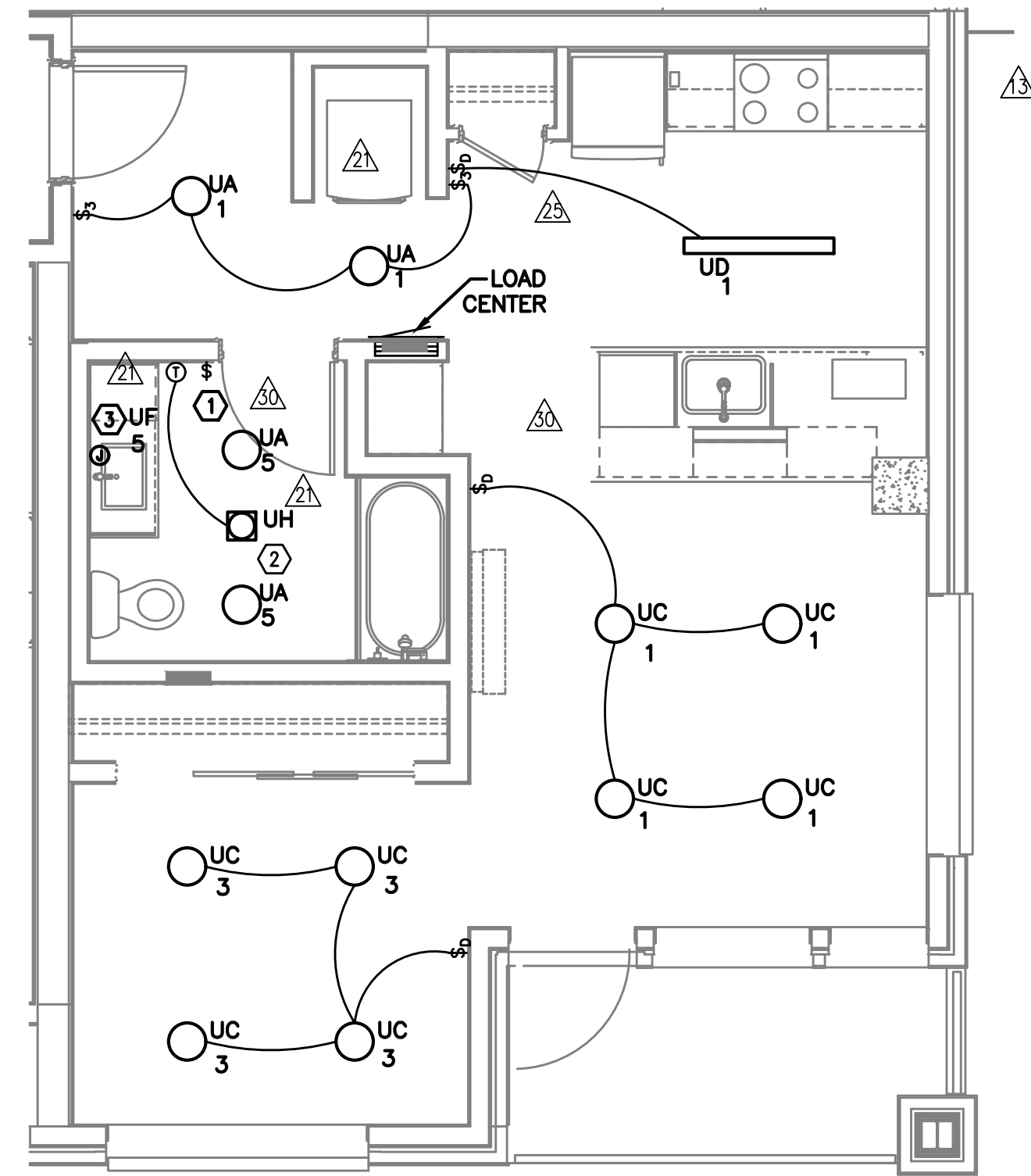
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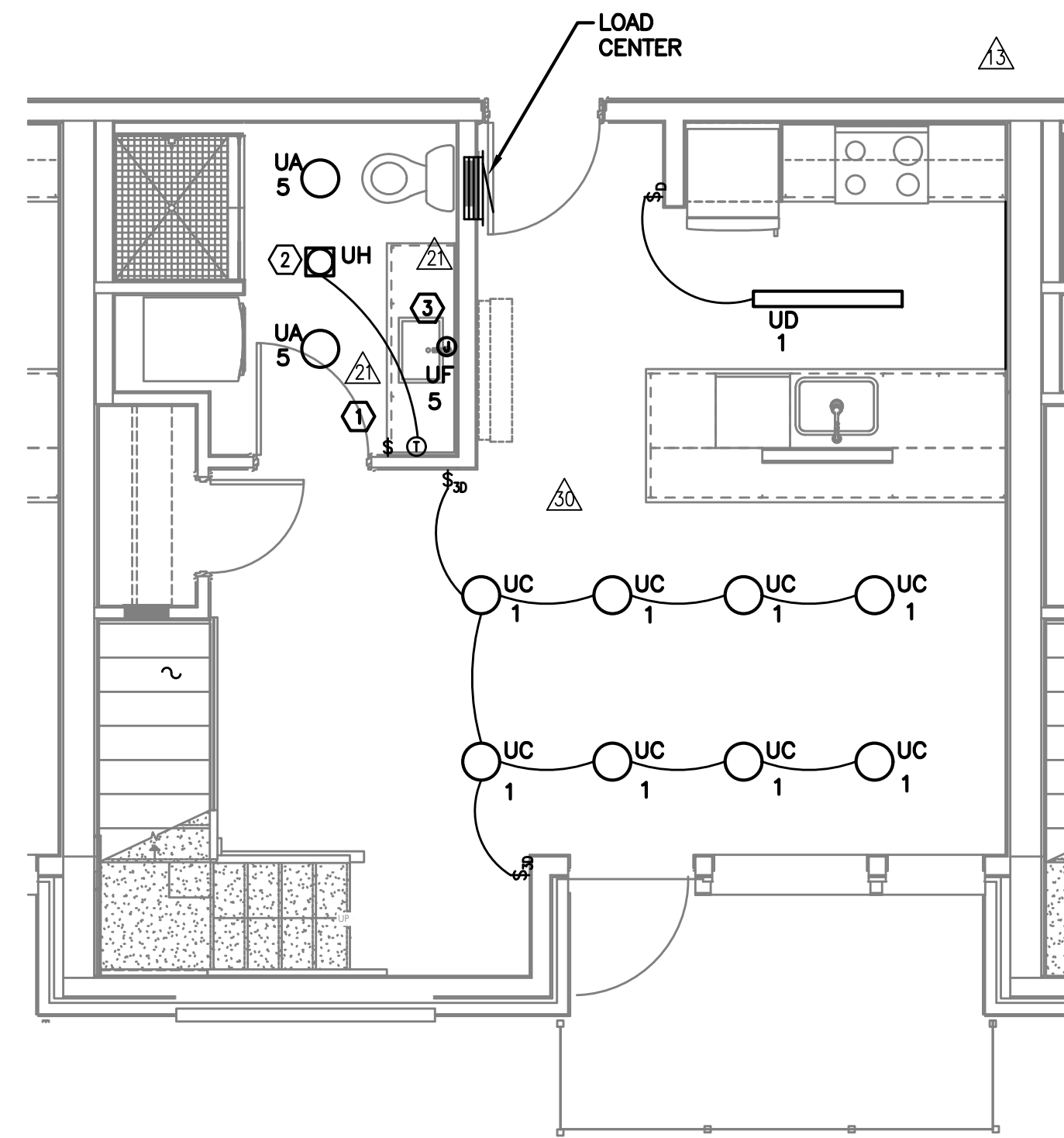
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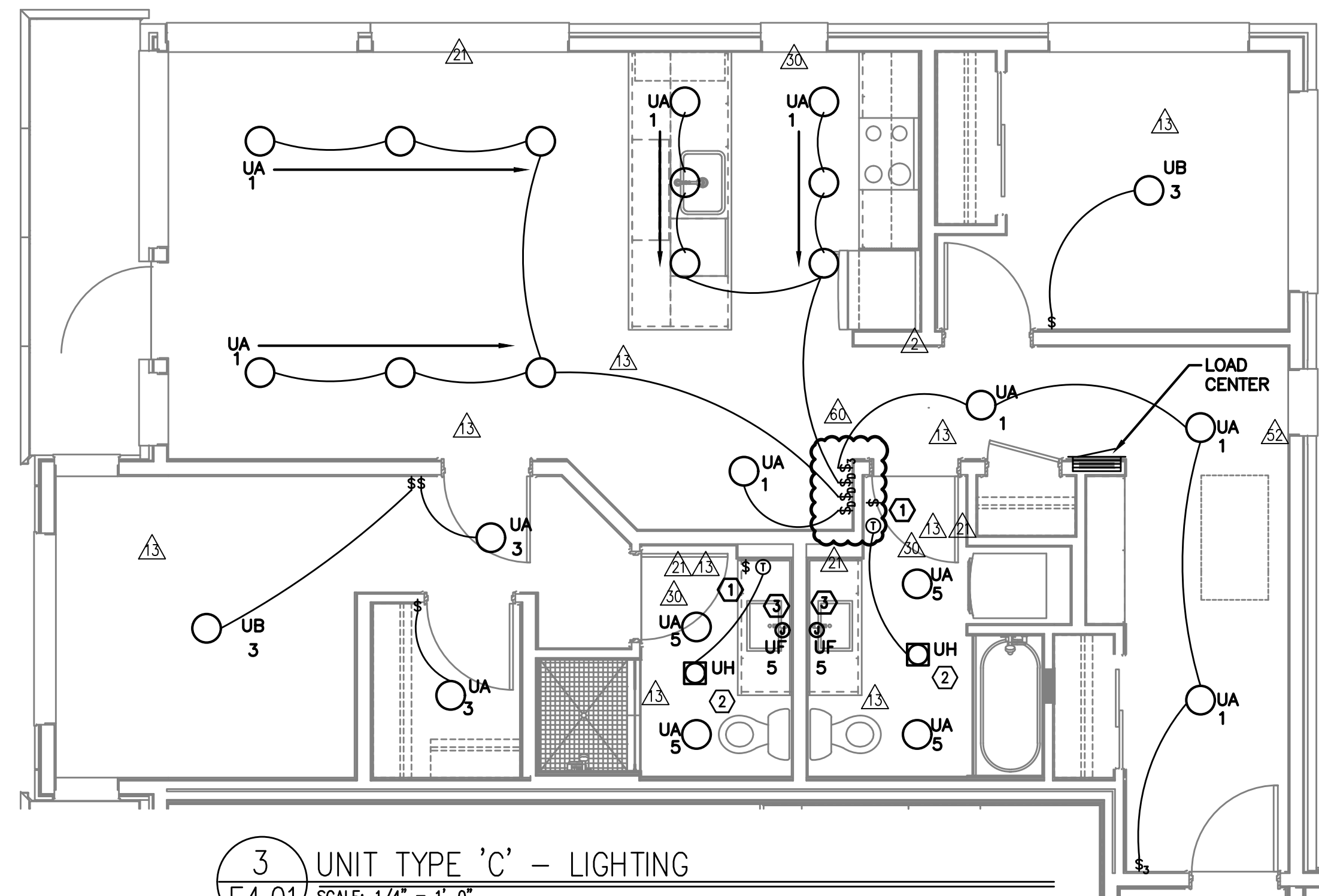
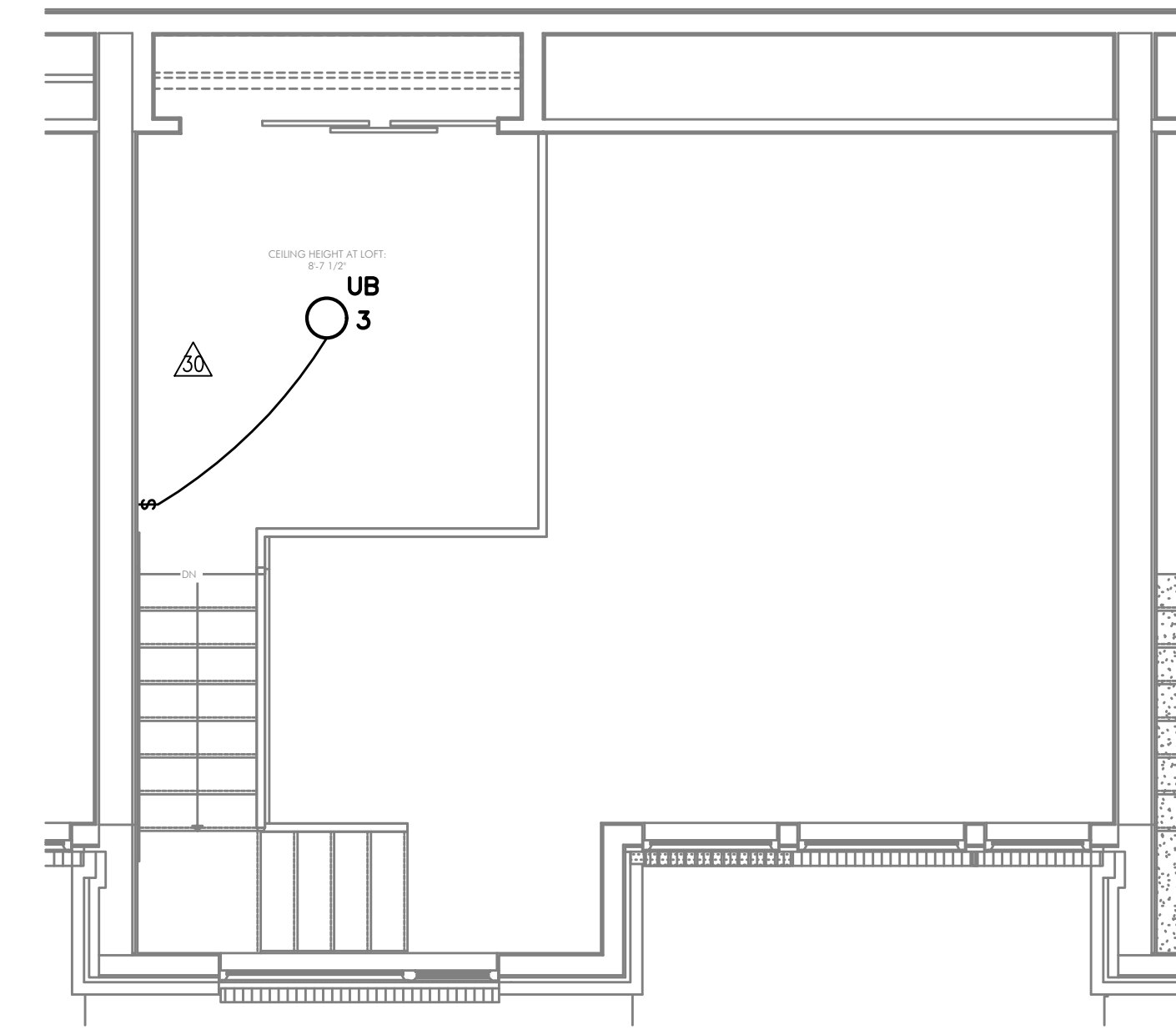
- REVISIONS
- △ COORDINATION 01.27.17
 - △ COORDINATION 04.14.17
 - △ COORDINATION 05.26.17
 - △ COORDINATION 07.07.17
 - △ COORDINATION 03.09.18
 - △ COORDINATION 08.03.18



1 UNIT TYPE 'A' (ADA) - LIGHTING
E4.01 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'B' LOFT - LIGHTING
E4.01 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'C' - LIGHTING
E4.01 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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 (APARTMENT UNITS):

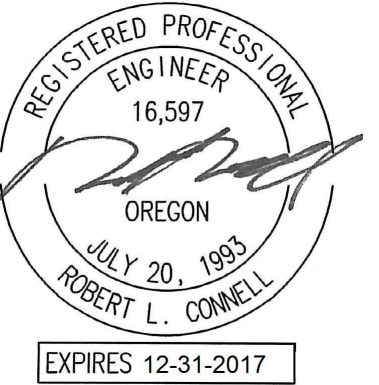
- ① REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
- △ ② PROVIDE ONE DEDICATED 20A CIRCUIT FOR BATHROOM CEILING HEATER FROM TENANT LOADCENTER. PROVIDE THERMOSTAT AS INDICATED.
- △ ③ PROVIDE ONE 15A RECEPTACLE, MOUNTED ABOVE VANITY AND TIED INTO THE BATHROOM LIGHT SWITCH FOR BACK-LIT MIRROR. REFER TO MANUFACTURER'S INSTALLATION GUIDE AND/OR THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.

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E4.01

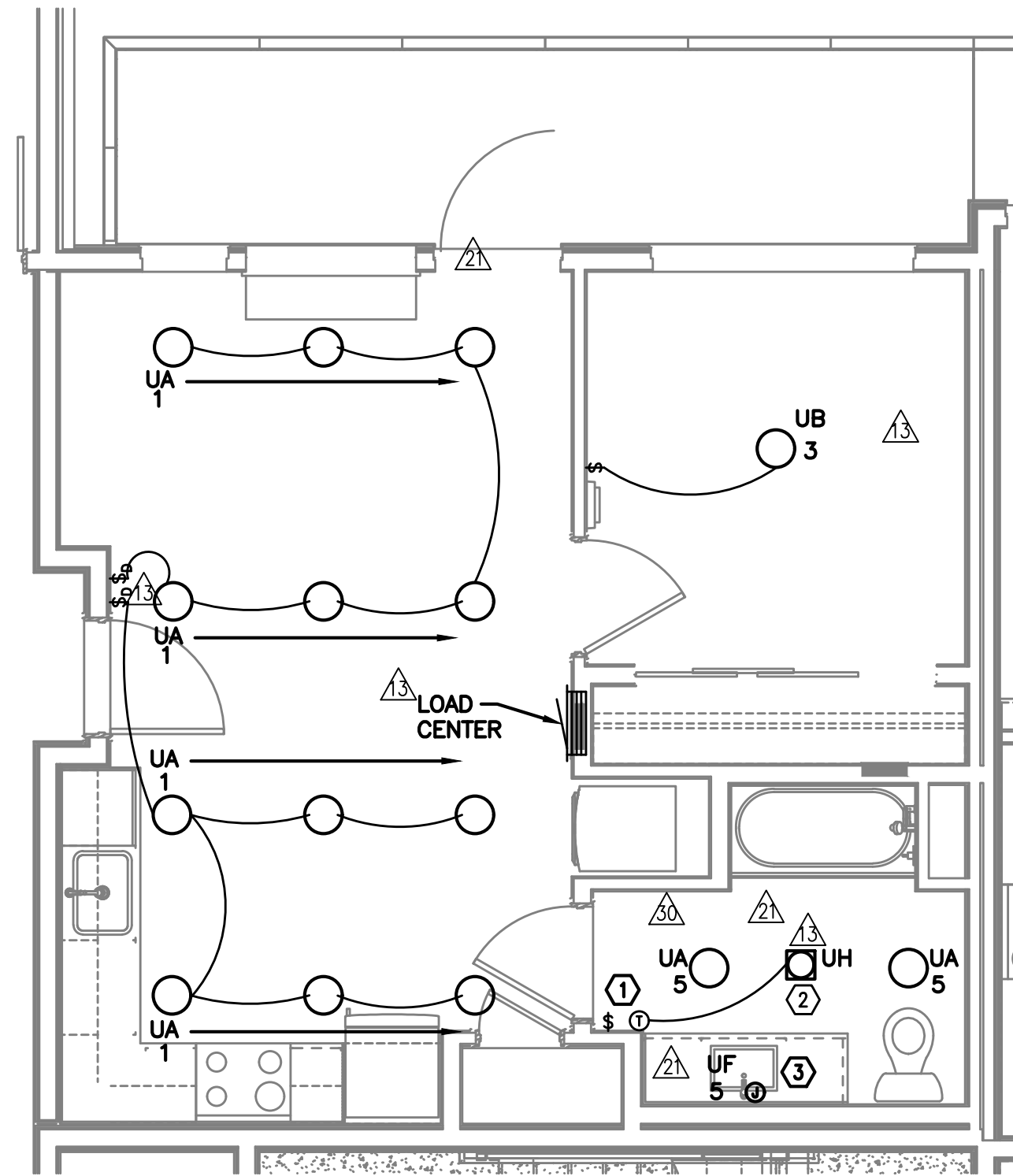
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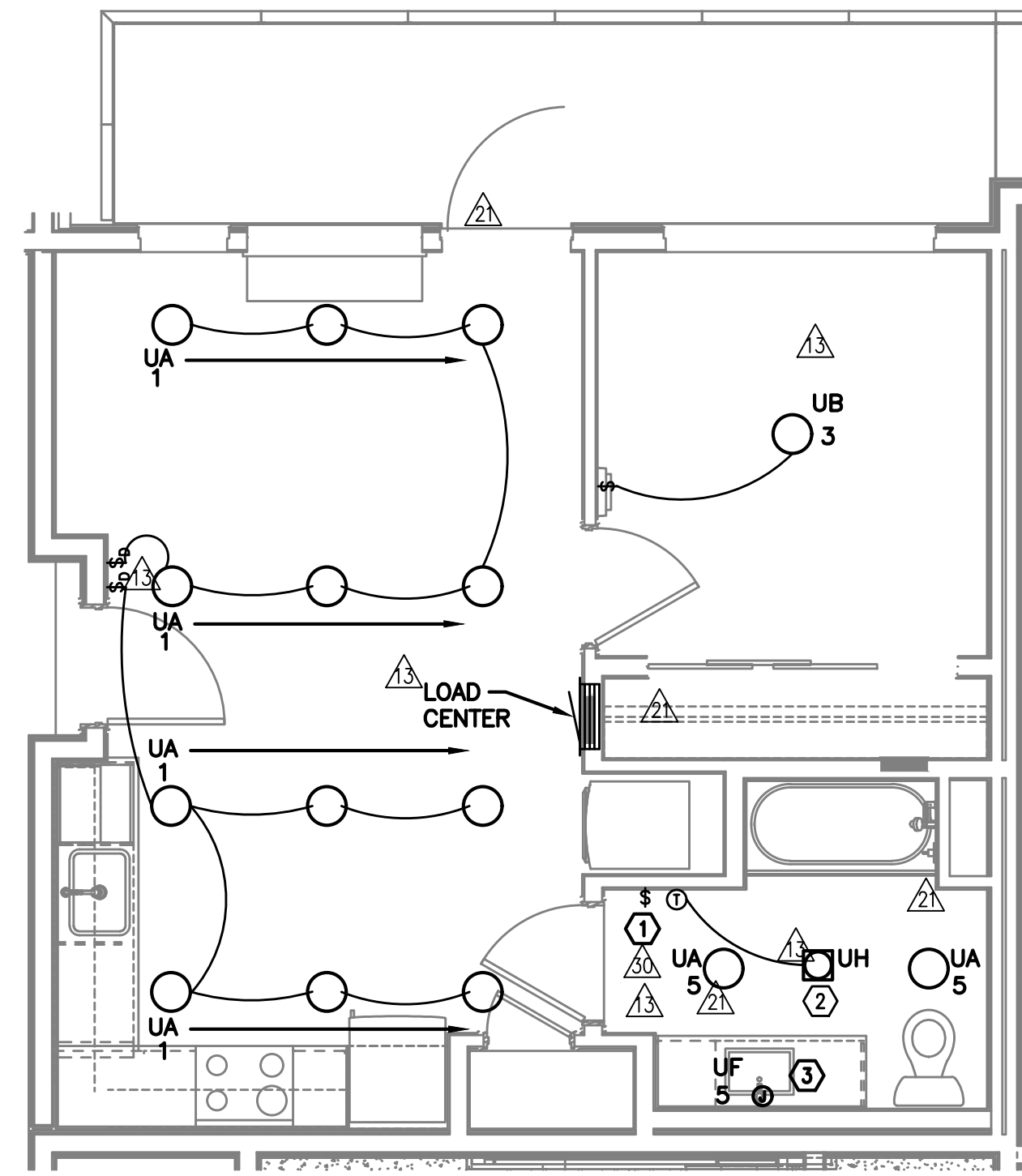
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PROJECT # 14-62
DATE: 01/19/2016

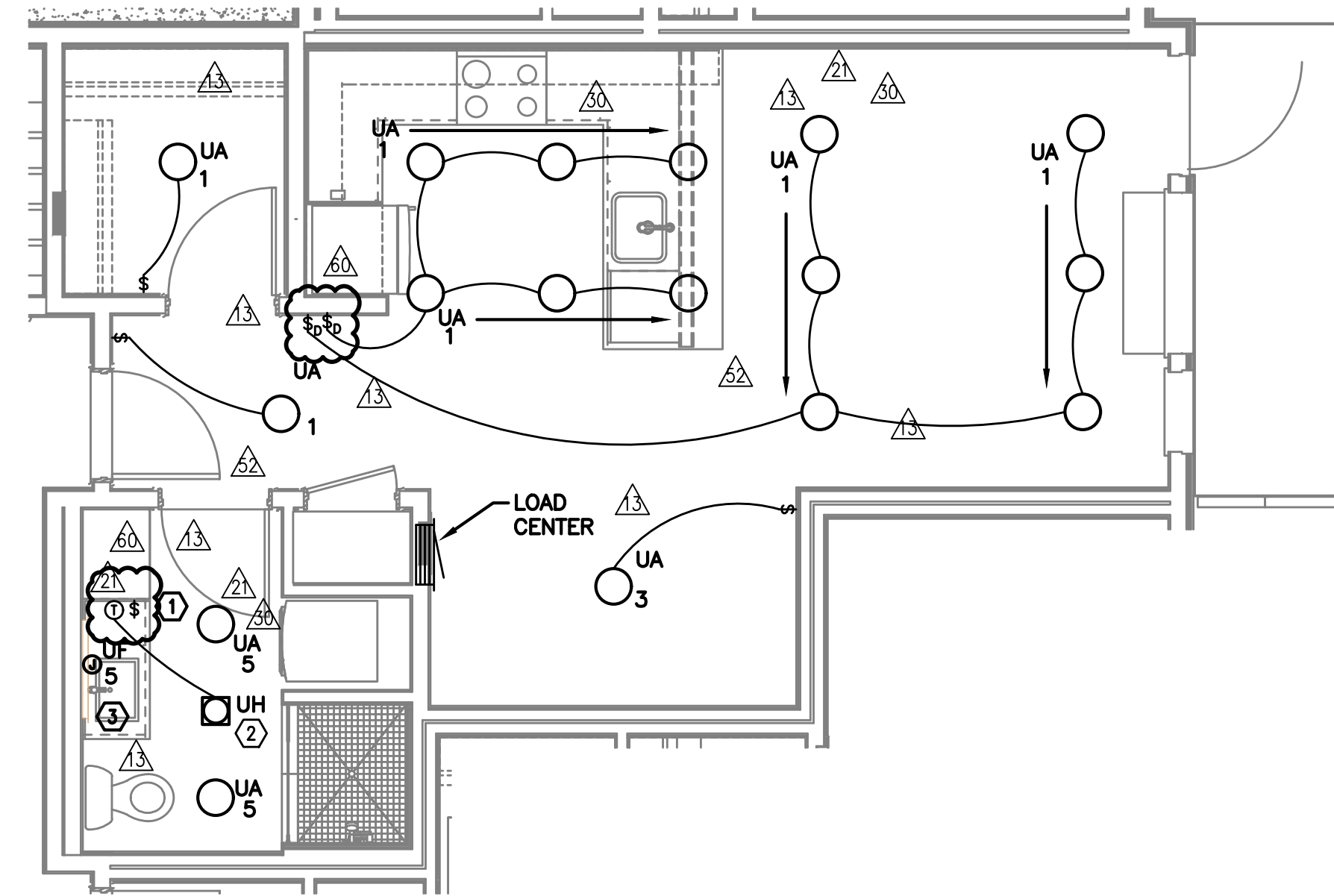
- REVISIONS
- △ COORDINATION 01.27.17
 - △ COORDINATION 04.14.17
 - △ COORDINATION 05.26.17
 - △ COORDINATION 07.07.17
 - △ COORDINATION 03.09.18
 - △ COORDINATION 08.03.18



1 UNIT TYPE 'D' - LIGHTING
E4.02 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'D-ADA' - LIGHTING
E4.02 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'E' - LIGHTING
E4.02 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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 (APARTMENT UNITS):

- ① REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
- △ ② PROVIDE ONE DEDICATED 20A CIRCUIT FOR BATHROOM CEILING HEATER FROM TENANT LOADCENTER. PROVIDE THERMOSTAT AS INDICATED.
- △ ③ PROVIDE ONE 15A RECEPTACLE, MOUNTED ABOVE VANITY AND TIED INTO THE BATHROOM LIGHT SWITCH FOR BACK-LIT MIRROR. REFER TO MANUFACTURER'S INSTALLATION GUIDE AND COORDINATE EXACT MOUNTING HEIGHT WITH THE INTERIOR DECORATOR AND/OR THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.

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SHEET:

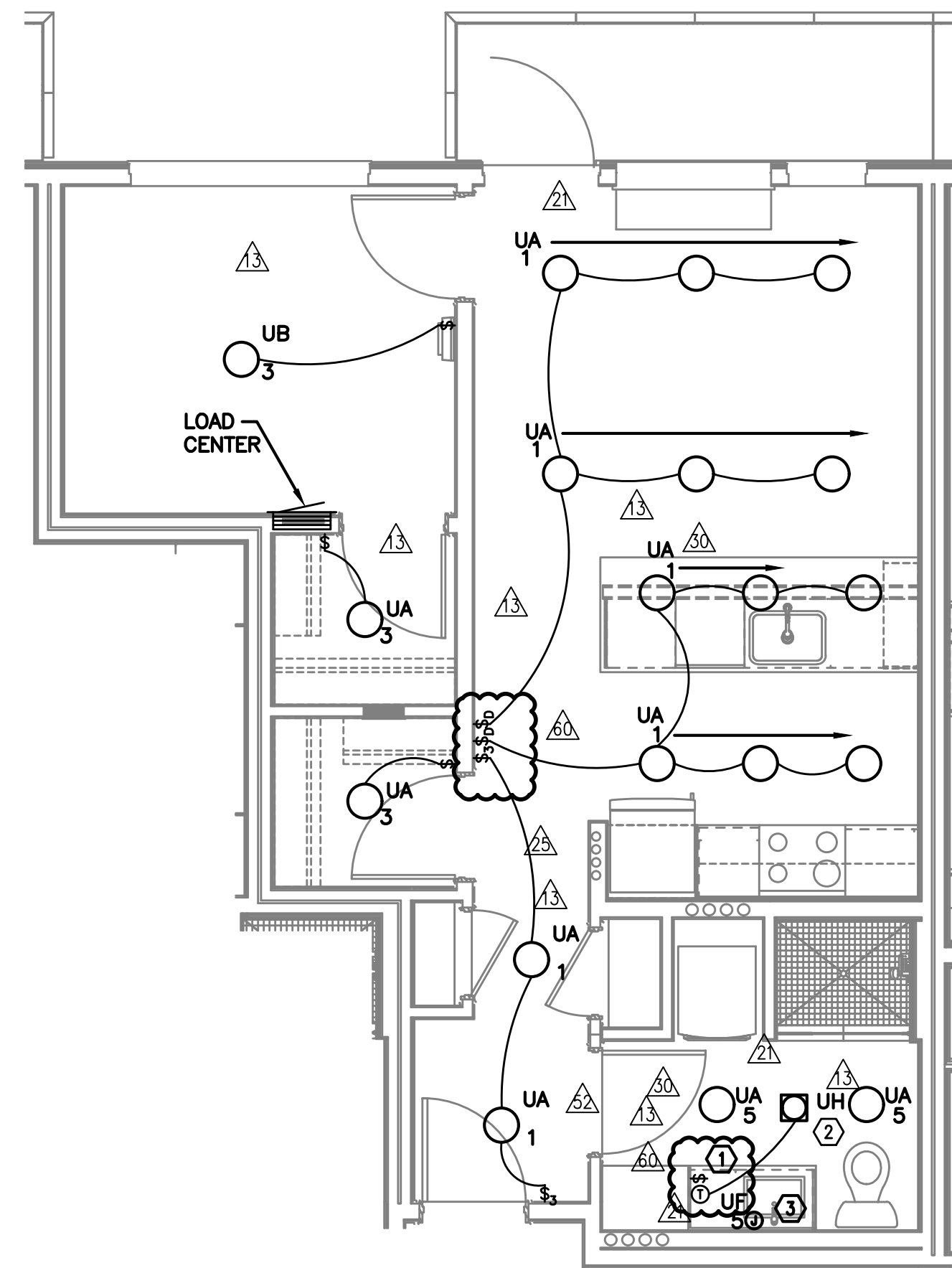
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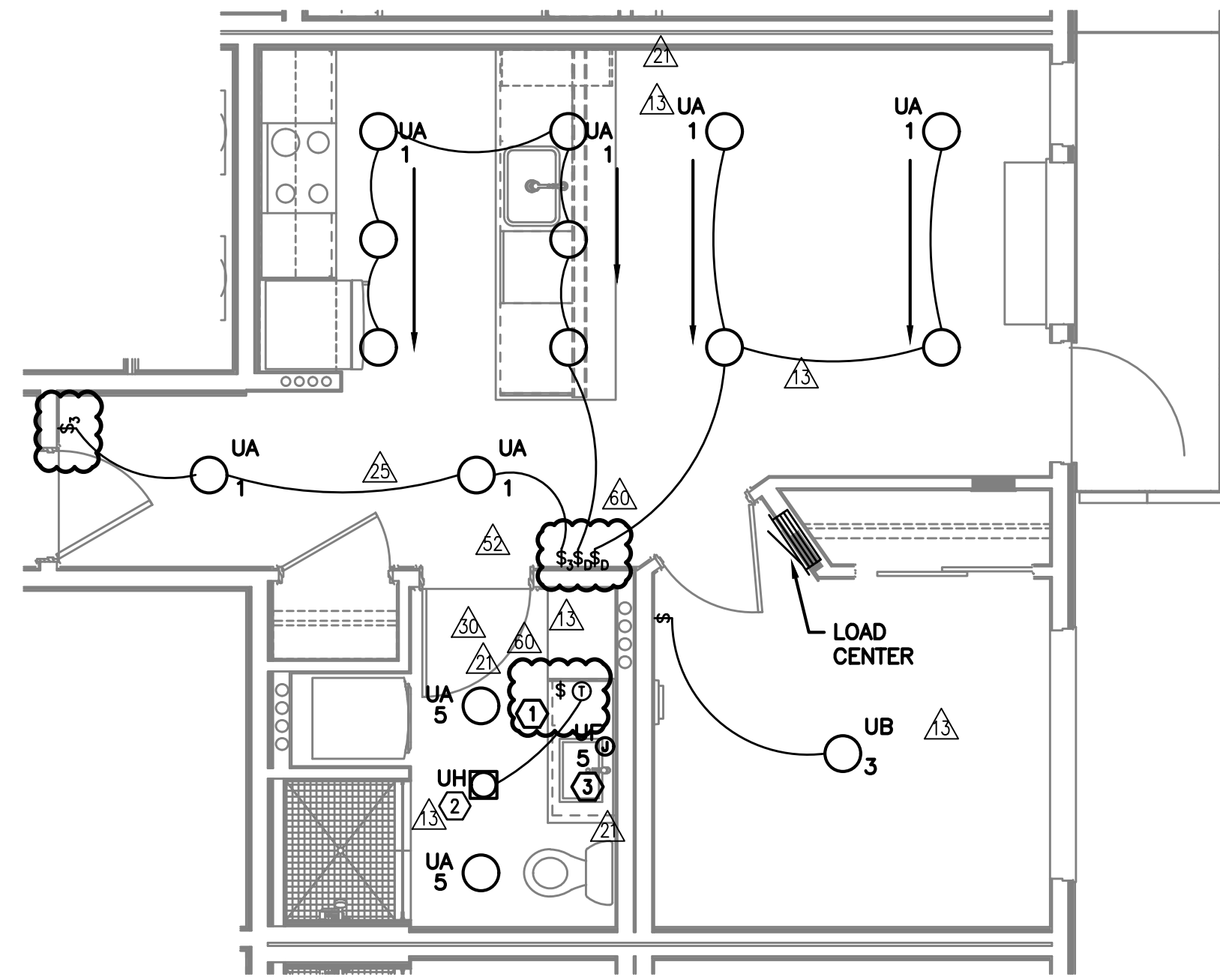
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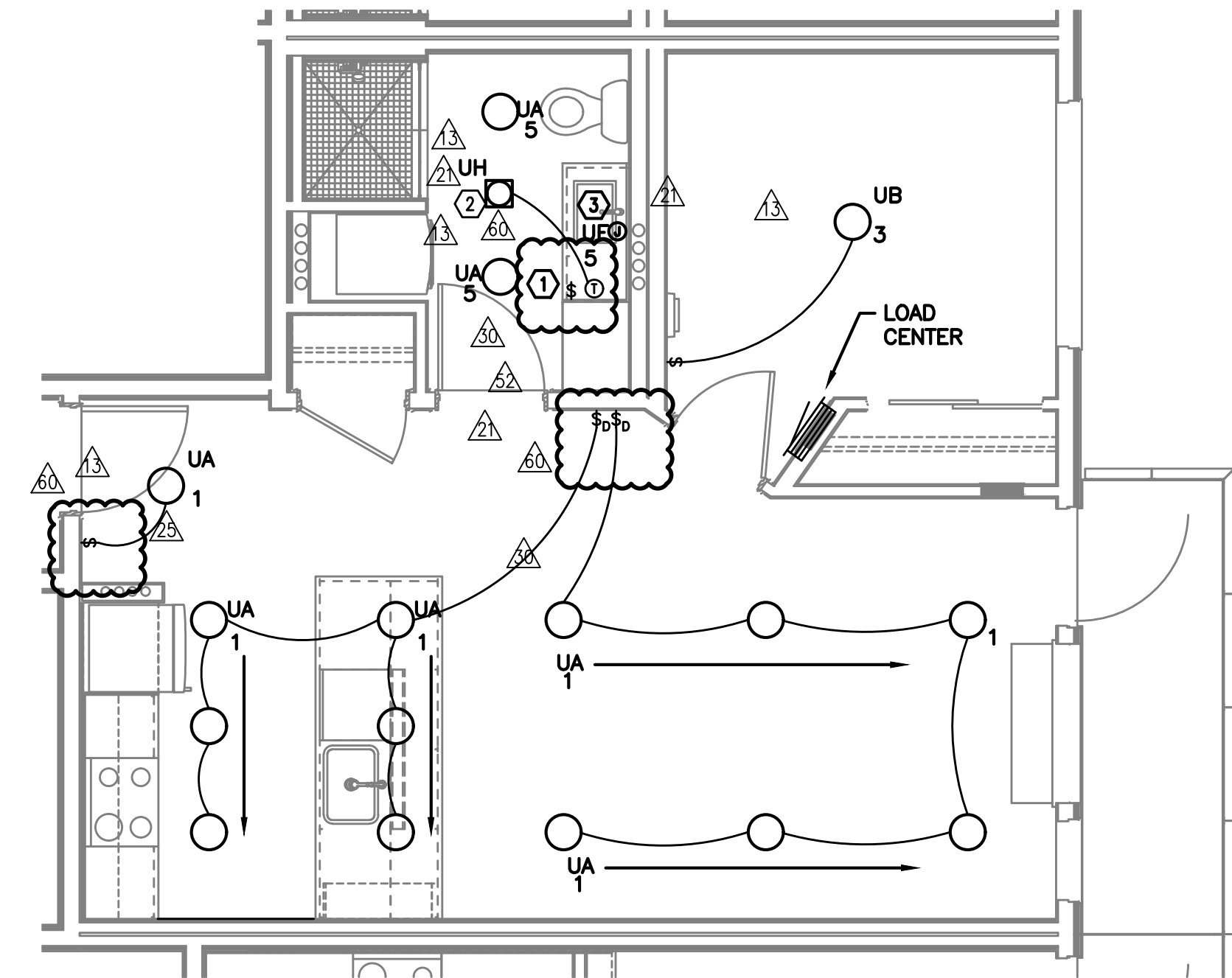
- REVISIONS
- △ COORDINATION 01.27.17
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 - △ COORDINATION 05.26.17
 - △ COORDINATION 07.07.17
 - △ COORDINATION 03.09.18
 - △ COORDINATION 08.03.18



1 UNIT TYPE 'F' - LIGHTING
E4.03 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'G' - LIGHTING
E4.03 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'H' - LIGHTING
E4.03 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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 (APARTMENT UNITS):

- ① REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
- △ ② PROVIDE ONE DEDICATED 20A CIRCUIT FOR BATHROOM CEILING HEATER FROM TENANT LOADCENTER. PROVIDE THERMOSTAT AS INDICATED.
- △ ③ PROVIDE ONE 15A RECEPTACLE, MOUNTED ABOVE VANITY AND TIED INTO THE BATHROOM LIGHT SWITCH FOR BACK-LIT MIRROR. REFER TO MANUFACTURER'S INSTALLATION GUIDE AND COORDINATE EXACT MOUNTING HEIGHT WITH THE INTERIOR DECORATOR AND/OR THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.

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SHEET:

E4.03

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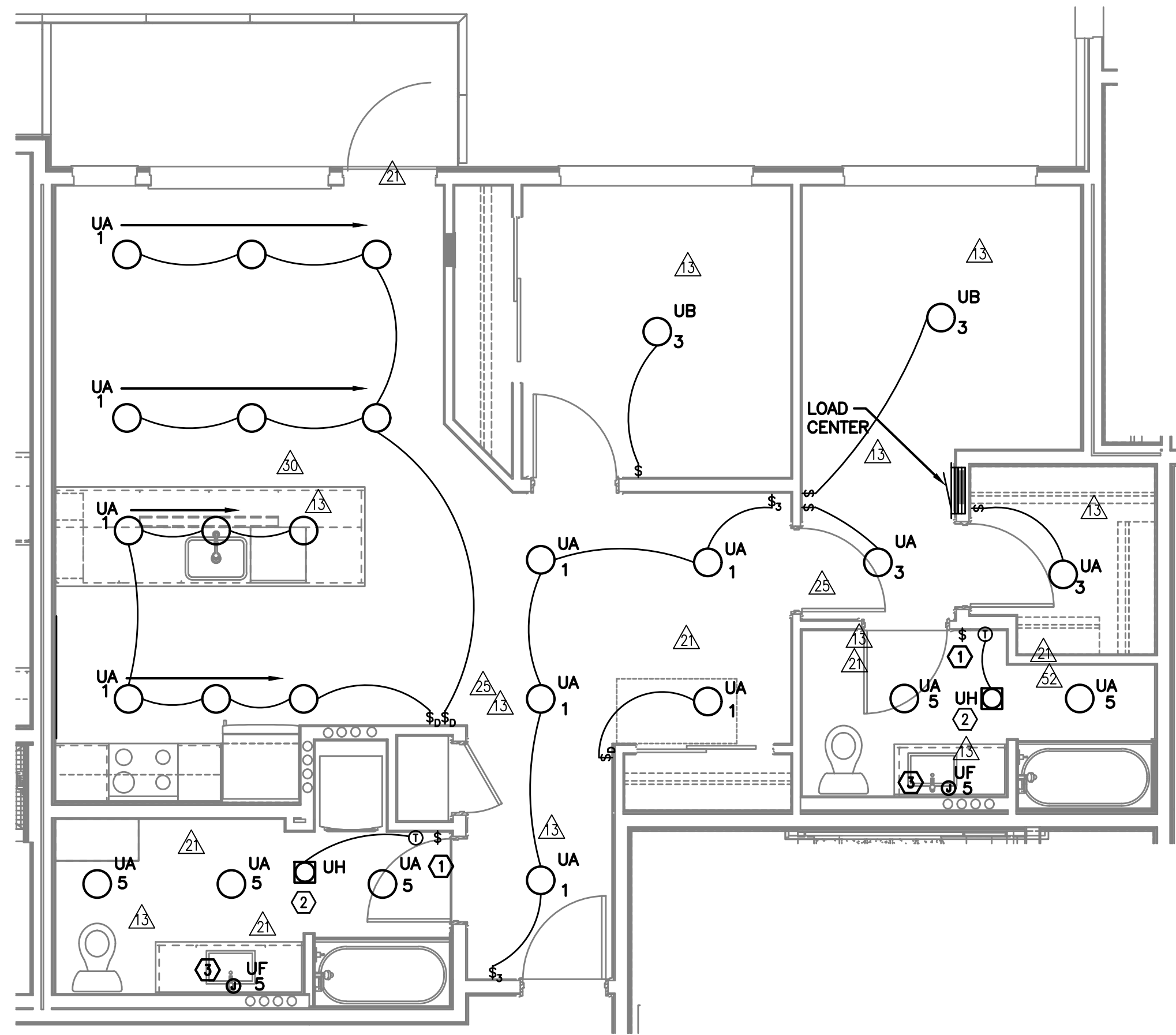
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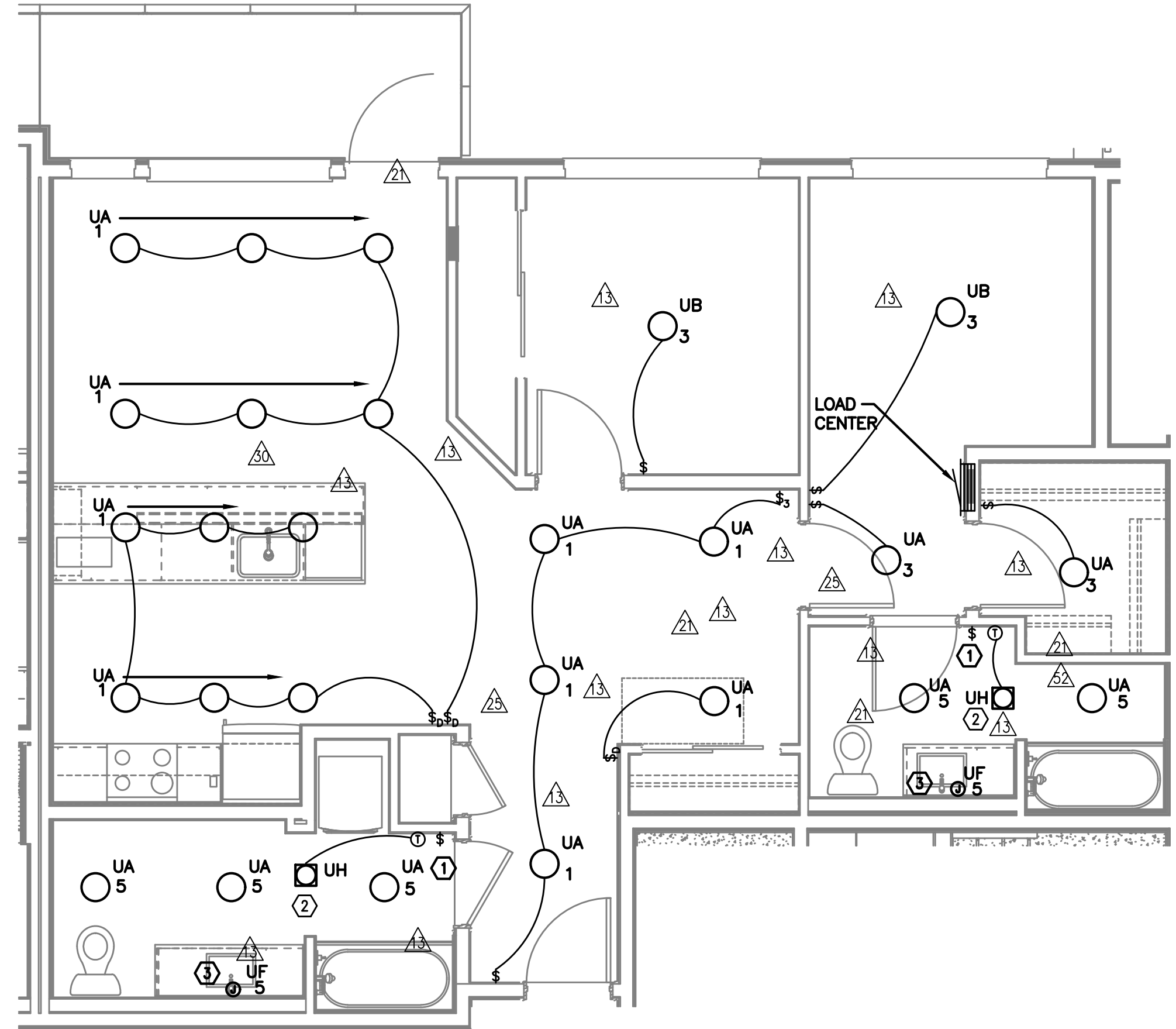
- REVISIONS
- △ COORDINATION 01.27.17
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 - △ COORDINATION 07.07.17
 - △ COORDINATION 03.09.18

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SHEET:
E4.04



1 UNIT TYPE '1' - LIGHTING
E4.04 SCALE: 1/4" = 1'-0"



2 UNIT TYPE '1-ADA' - LIGHTING
E4.04 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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 (APARTMENT UNITS):

- ① REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
- △ ② PROVIDE ONE DEDICATED 20A CIRCUIT FOR BATHROOM CEILING HEATER FROM TENANT LOADCENTER. PROVIDE THERMOSTAT AS INDICATED.
- △ ③ PROVIDE ONE 15A RECEPTACLE, MOUNTED ABOVE VANITY AND TIED INTO THE BATHROOM LIGHT SWITCH FOR BACK-LIT MIRROR. REFER TO MANUFACTURER'S INSTALLATION GUIDE AND COORDINATE EXACT MOUNTING HEIGHT WITH THE INTERIOR DECORATOR AND/OR THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.

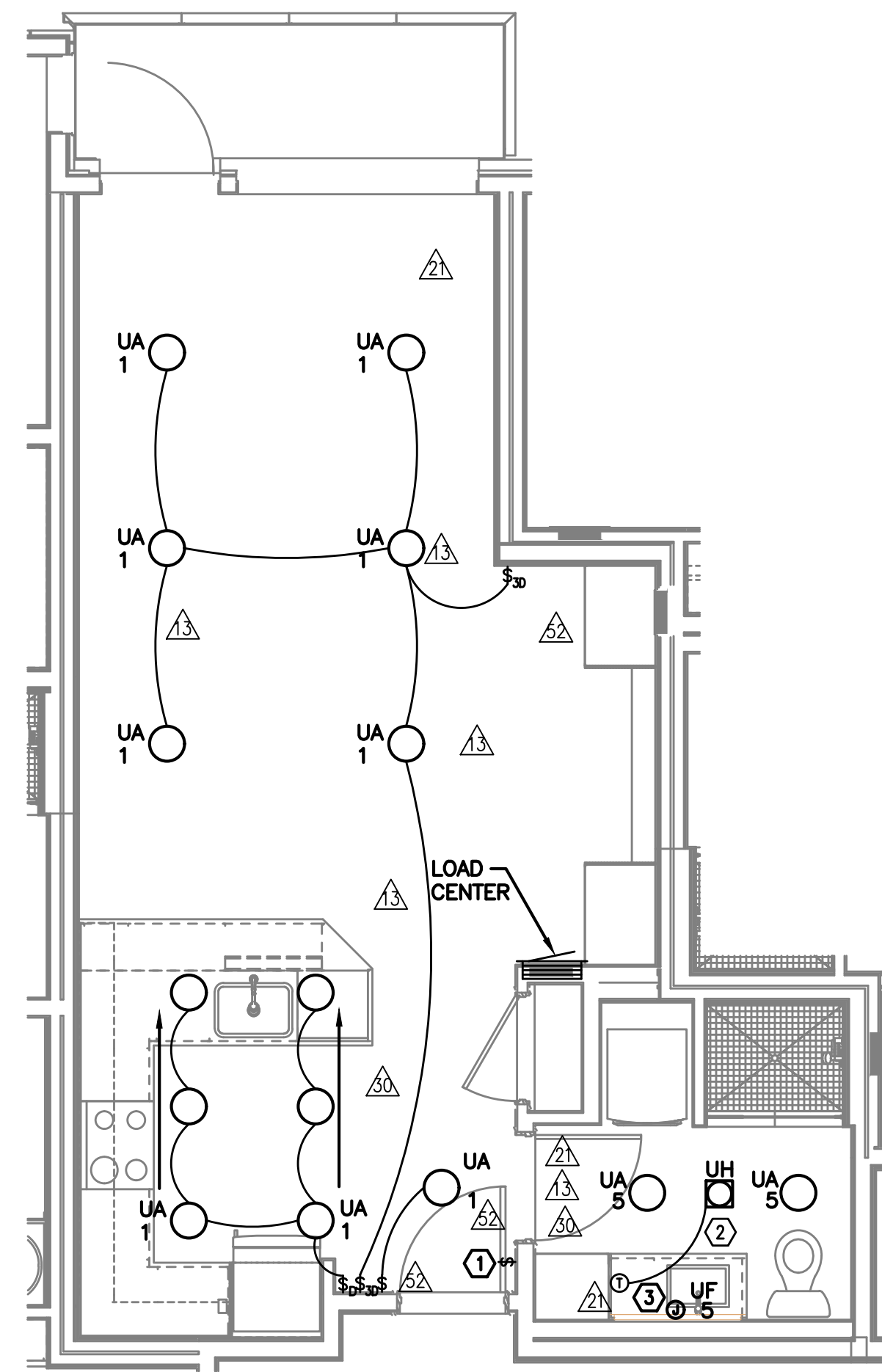
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E Portland, OR 97214
I PHN: (503) 234-0548
A FAX: (503) 234-0877
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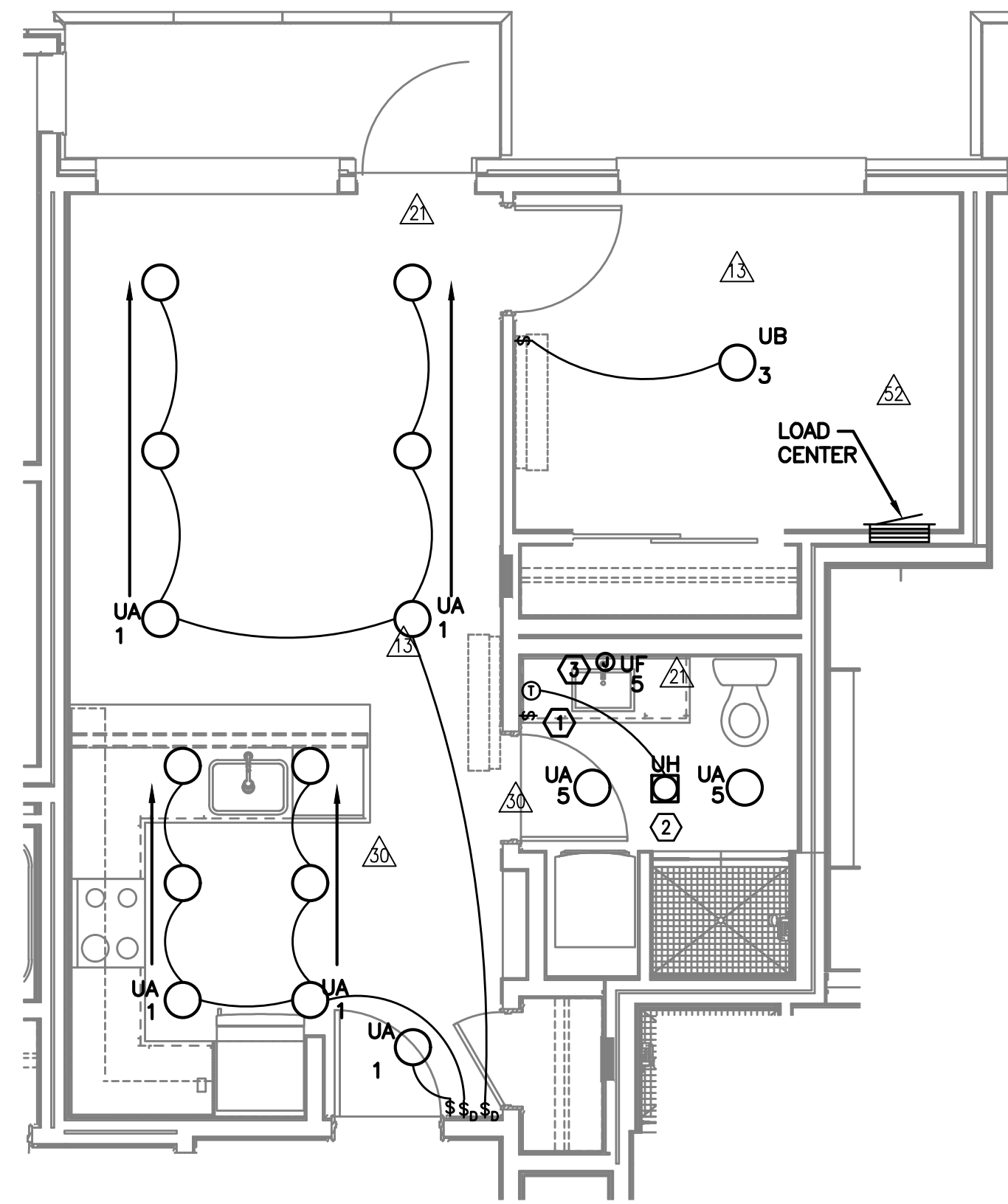
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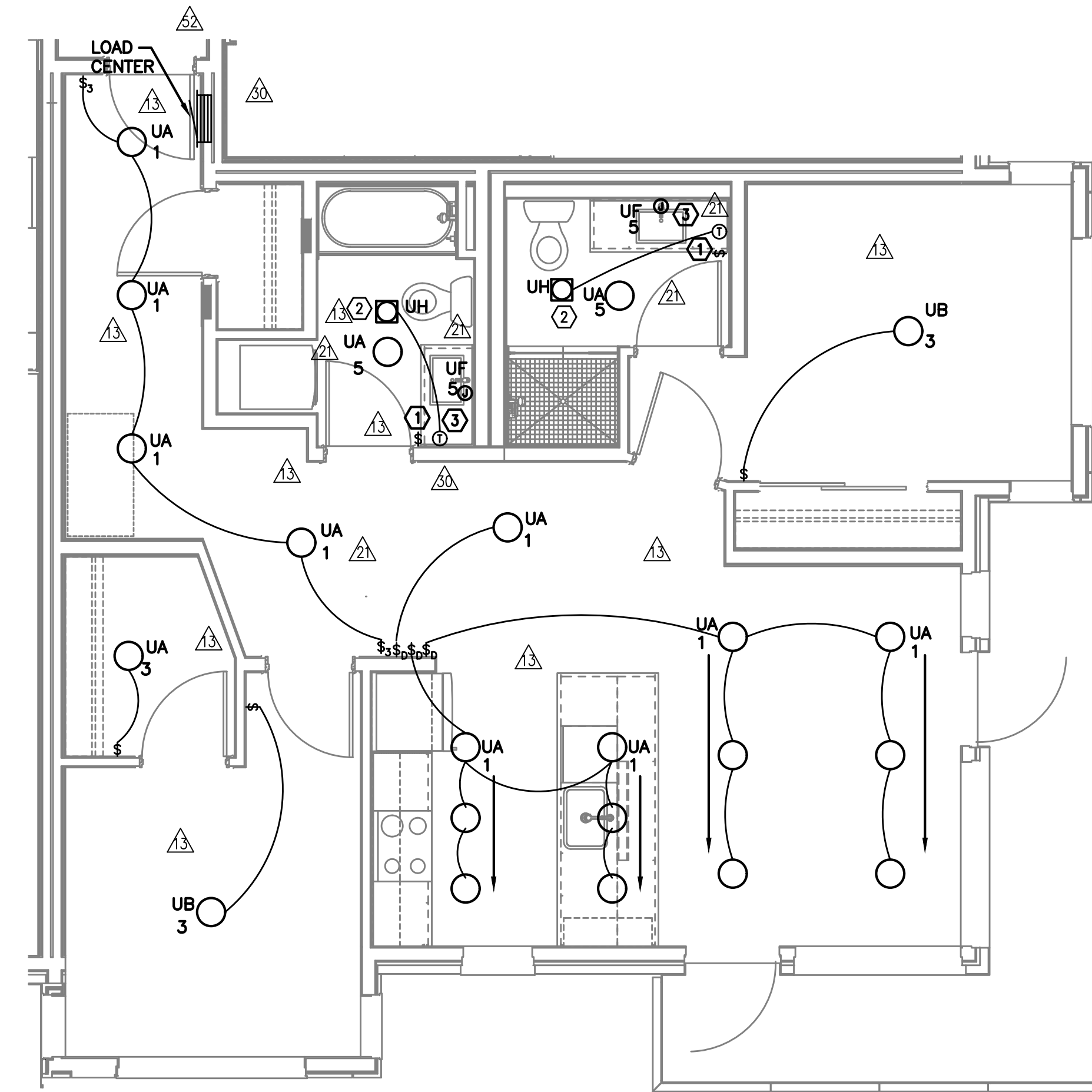
- REVISIONS
- △ COORDINATION 01.27.17
 - △ COORDINATION 04.14.17
 - △ COORDINATION 07.07.17
 - △ COORDINATION 03.09.18



1 UNIT TYPE 'J' - LIGHTING
E4.05 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'K' - LIGHTING
E4.05 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'L' - LIGHTING
E4.05 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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.
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KEYED NOTES (APARTMENT UNITS):

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SHEET:

E4.05



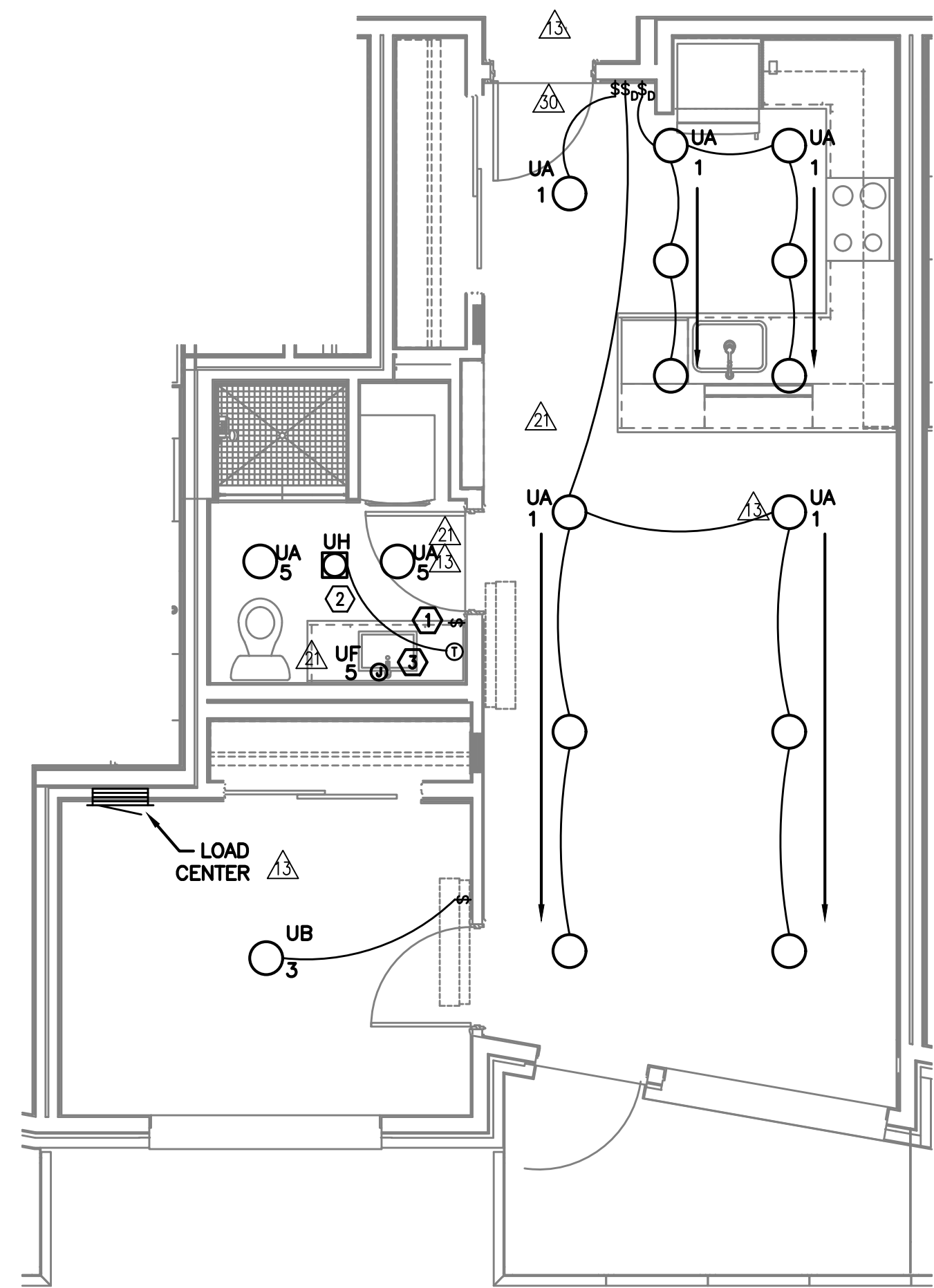
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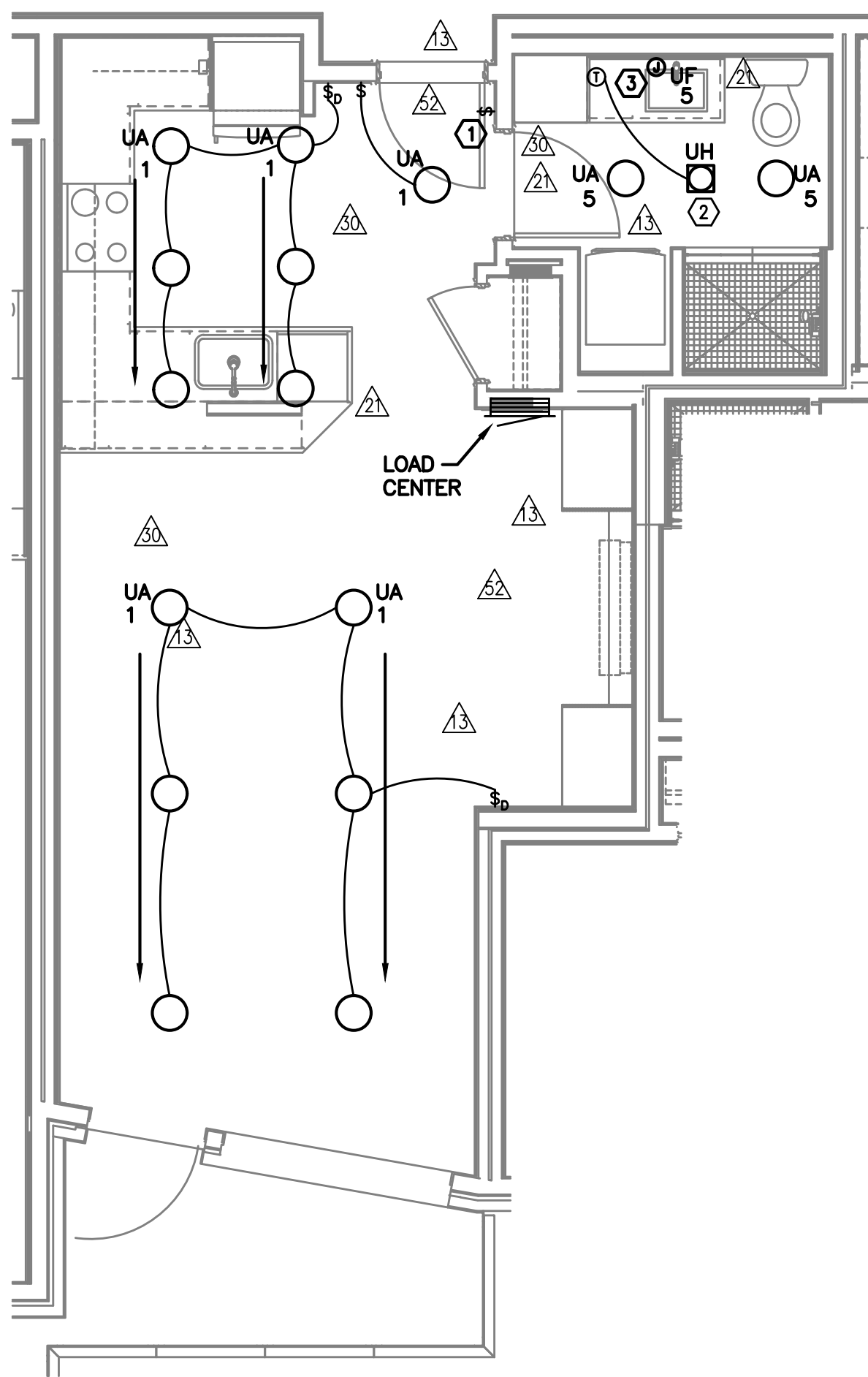
- REVISIONS
- △ COORDINATION 01.27.17
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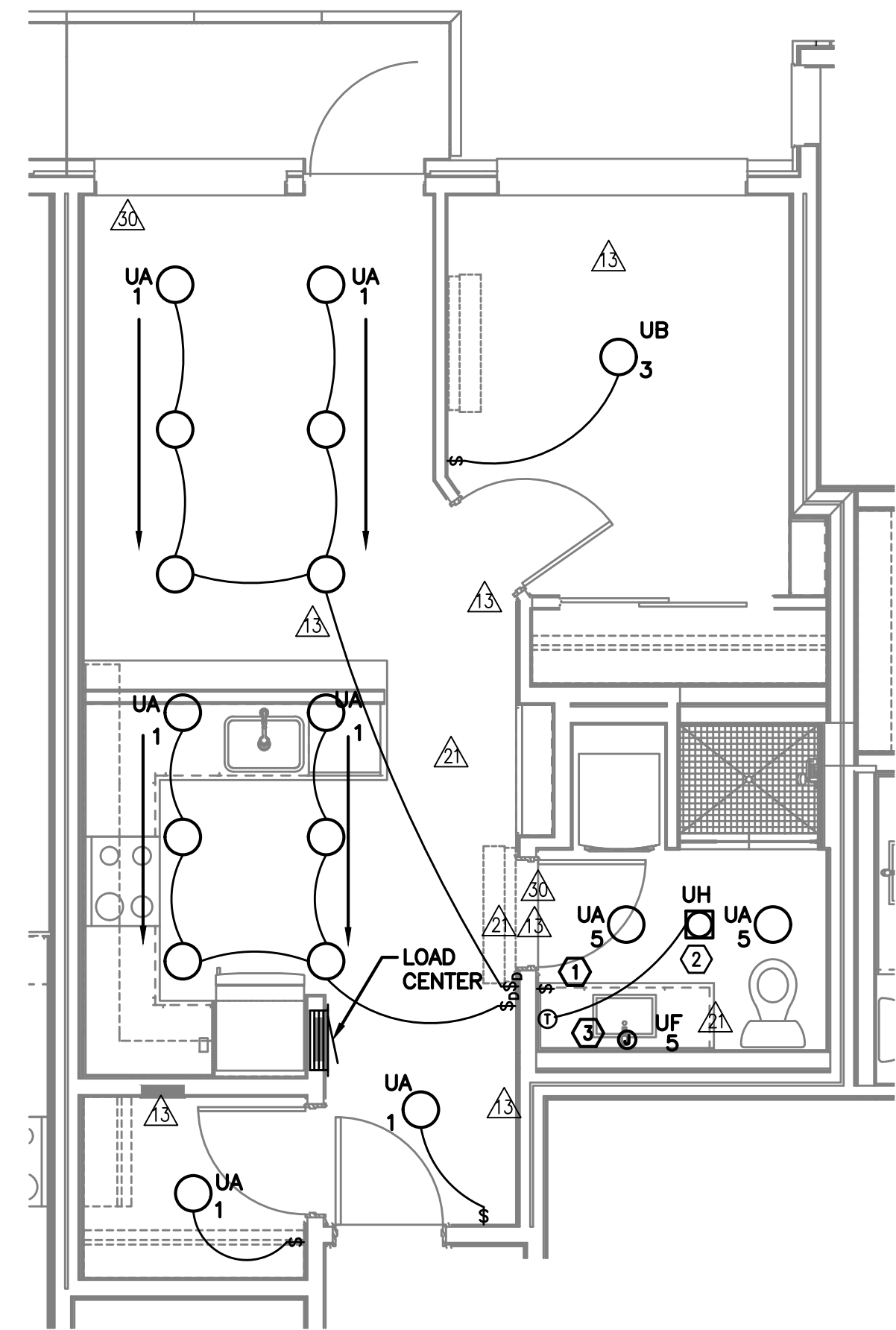
SHEET:
E4.06



1 UNIT TYPE 'M' - LIGHTING
E4.06 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'N' - LIGHTING
E4.06 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'O' - LIGHTING
E4.06 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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 (APARTMENT UNITS):

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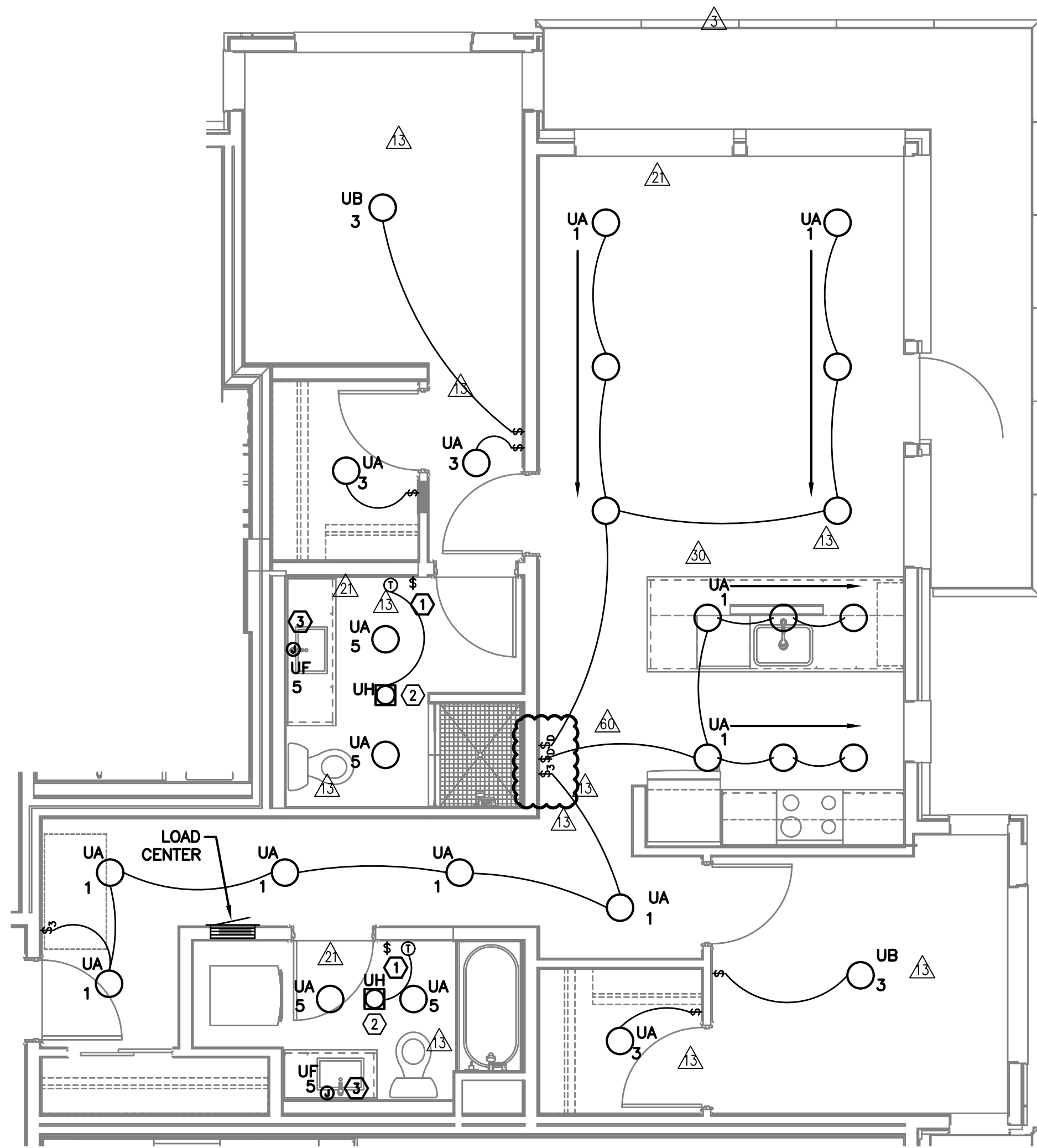


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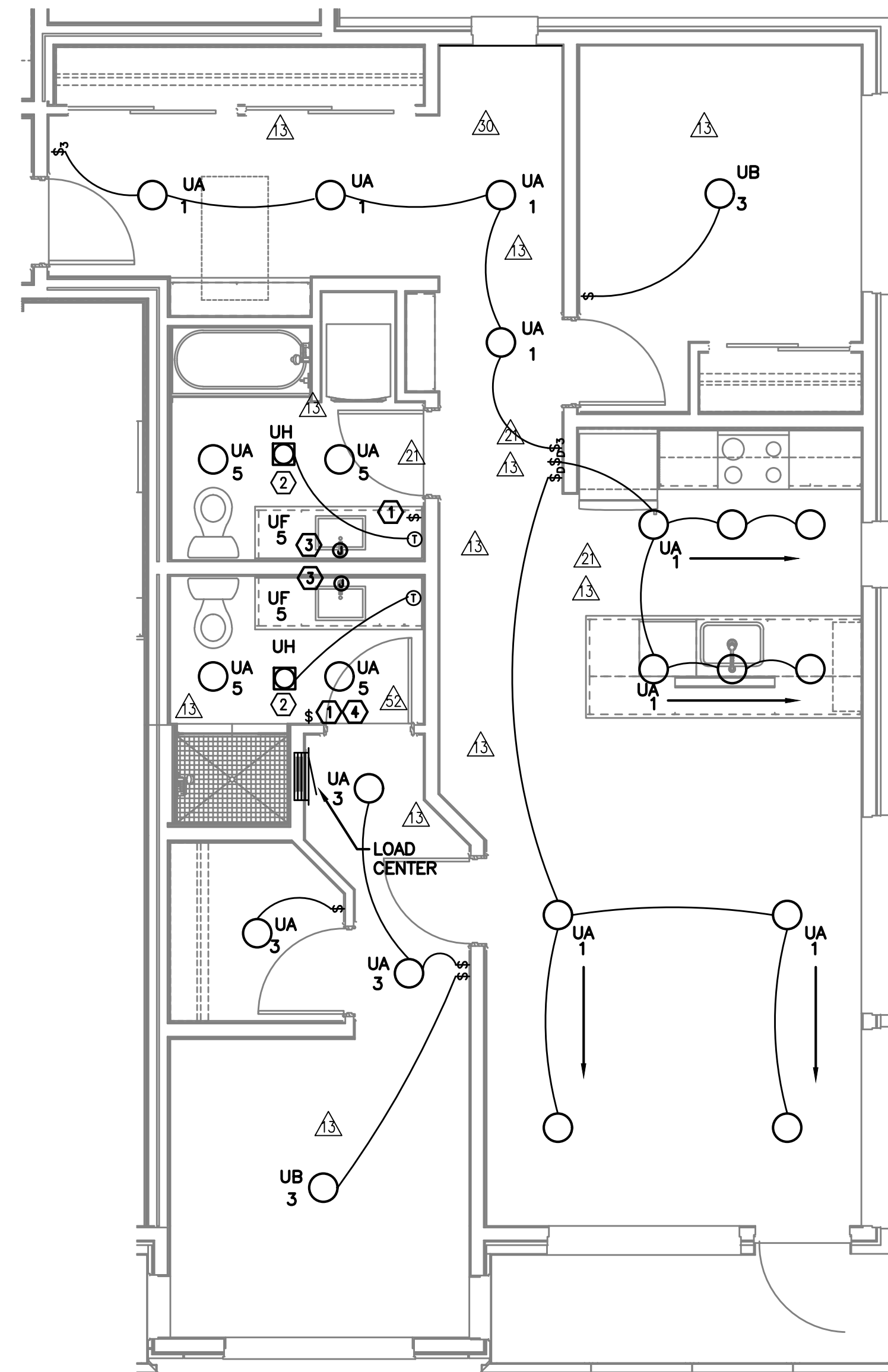
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- REVISIONS
- ① COORDINATION 01.27.17
 - ② COORDINATION 04.14.17
 - ③ COORDINATION 07.07.17
 - ④ COORDINATION 03.09.18
 - ⑤ COORDINATION 08.03.18

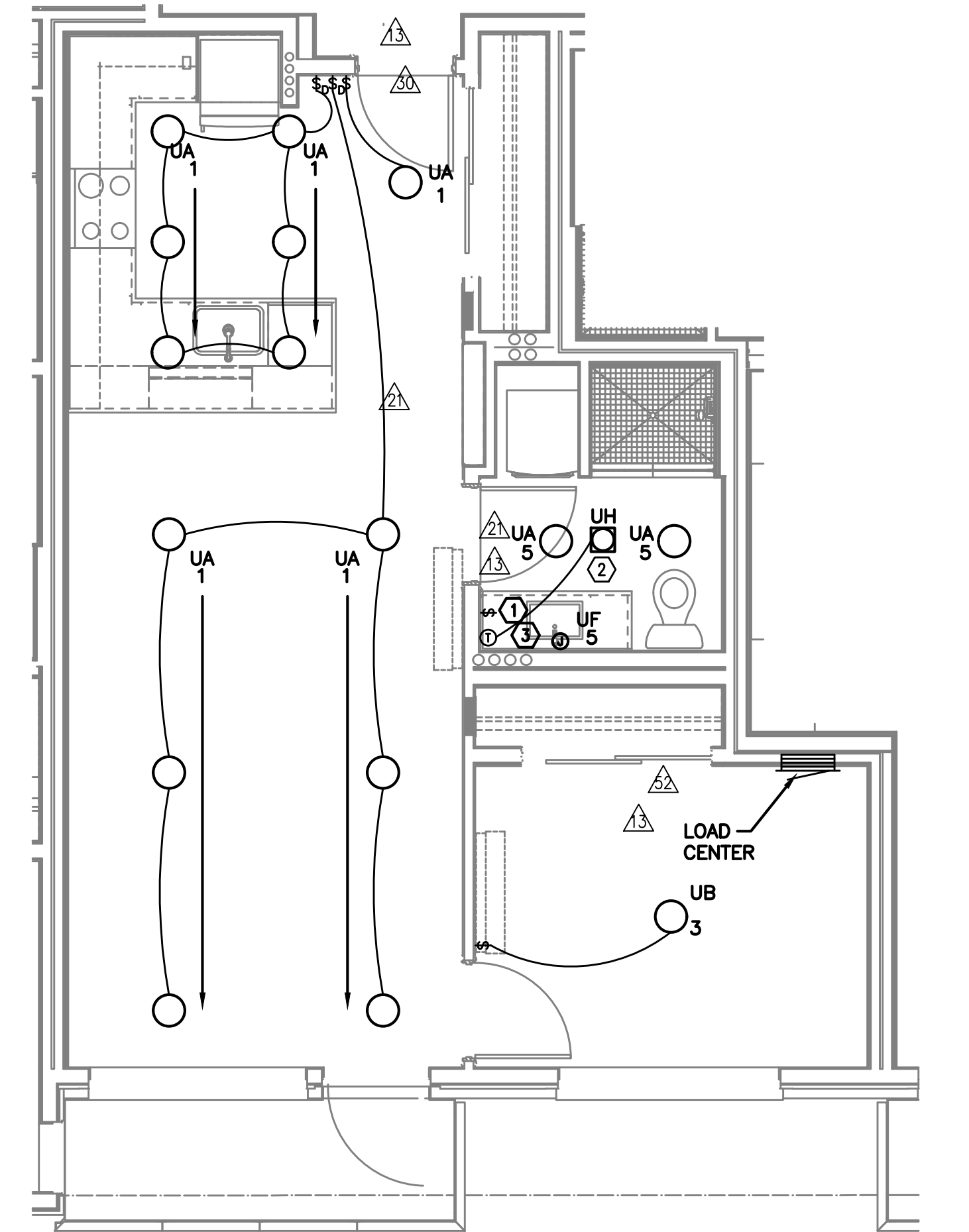
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1 UNIT TYPE 'P' - LIGHTING
E4.07 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'Q' - LIGHTING
E4.07 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'R' - LIGHTING
E4.07 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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.
- ④ D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS. CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.

KEYED NOTES (APARTMENT UNITS):

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- ② PROVIDE ONE DEDICATED 20A CIRCUIT FOR BATHROOM CEILING HEATER FROM TENANT LOADCENTER. PROVIDE THERMOSTAT AS INDICATED.
- ③ PROVIDE ONE 15A RECEPTACLE, MOUNTED ABOVE VANITY AND TIED INTO THE BATHROOM LIGHT SWITCH FOR BACK-LIT MIRROR. REFER TO MANUFACTURER'S INSTALLATION GUIDE AND COORDINATE EXACT MOUNTING HEIGHT WITH THE INTERIOR DECORATOR AND/OR THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.
- ④ OWNER'S PREFERRED LOCATION. IF STRUCTURAL CONDITIONS DO NOT ALLOW SPACE FOR THE J-BOX, CONSULT OWNER FOR ALTERNATE LOCATION AND INSTALL PER CODE.

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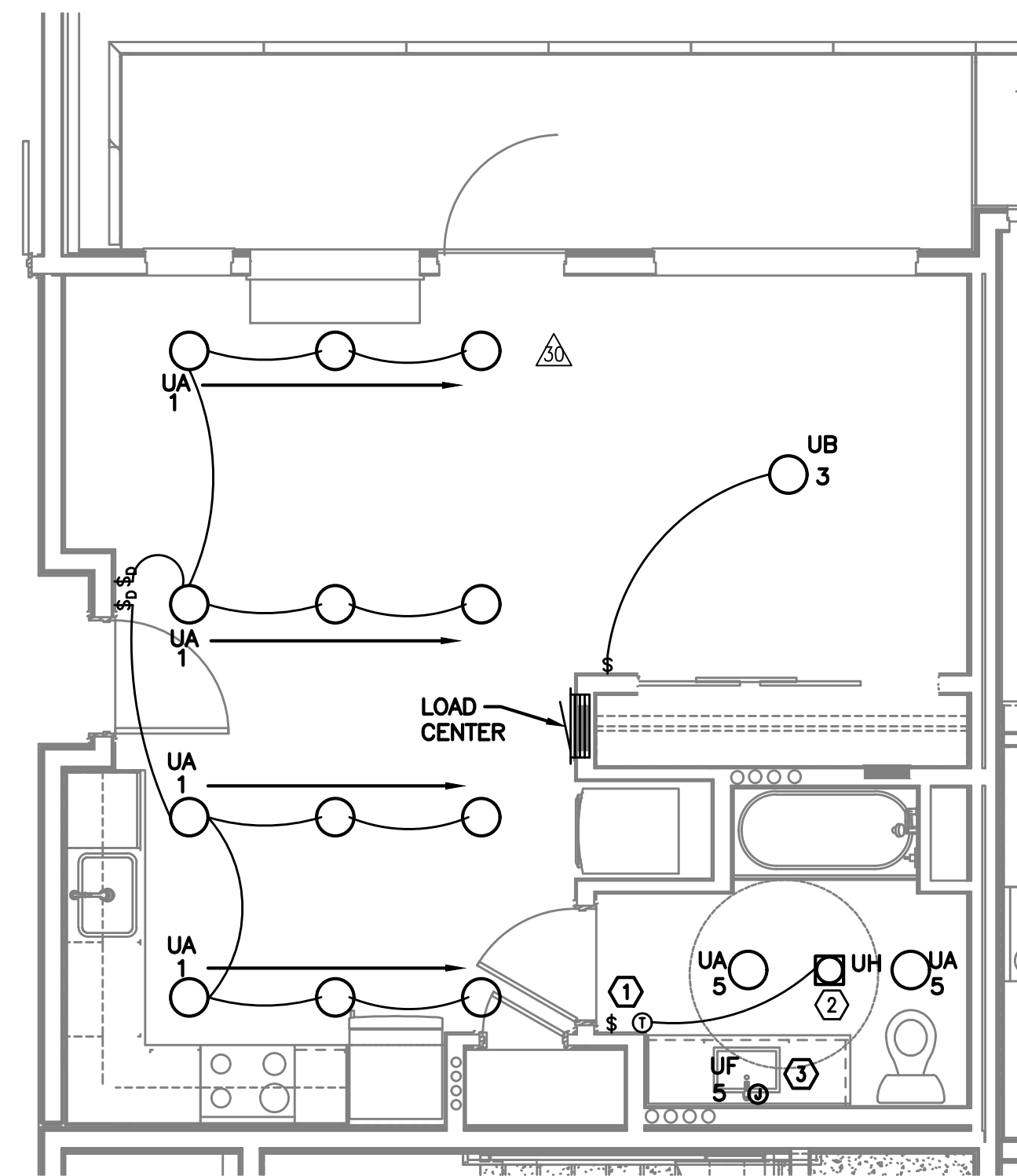
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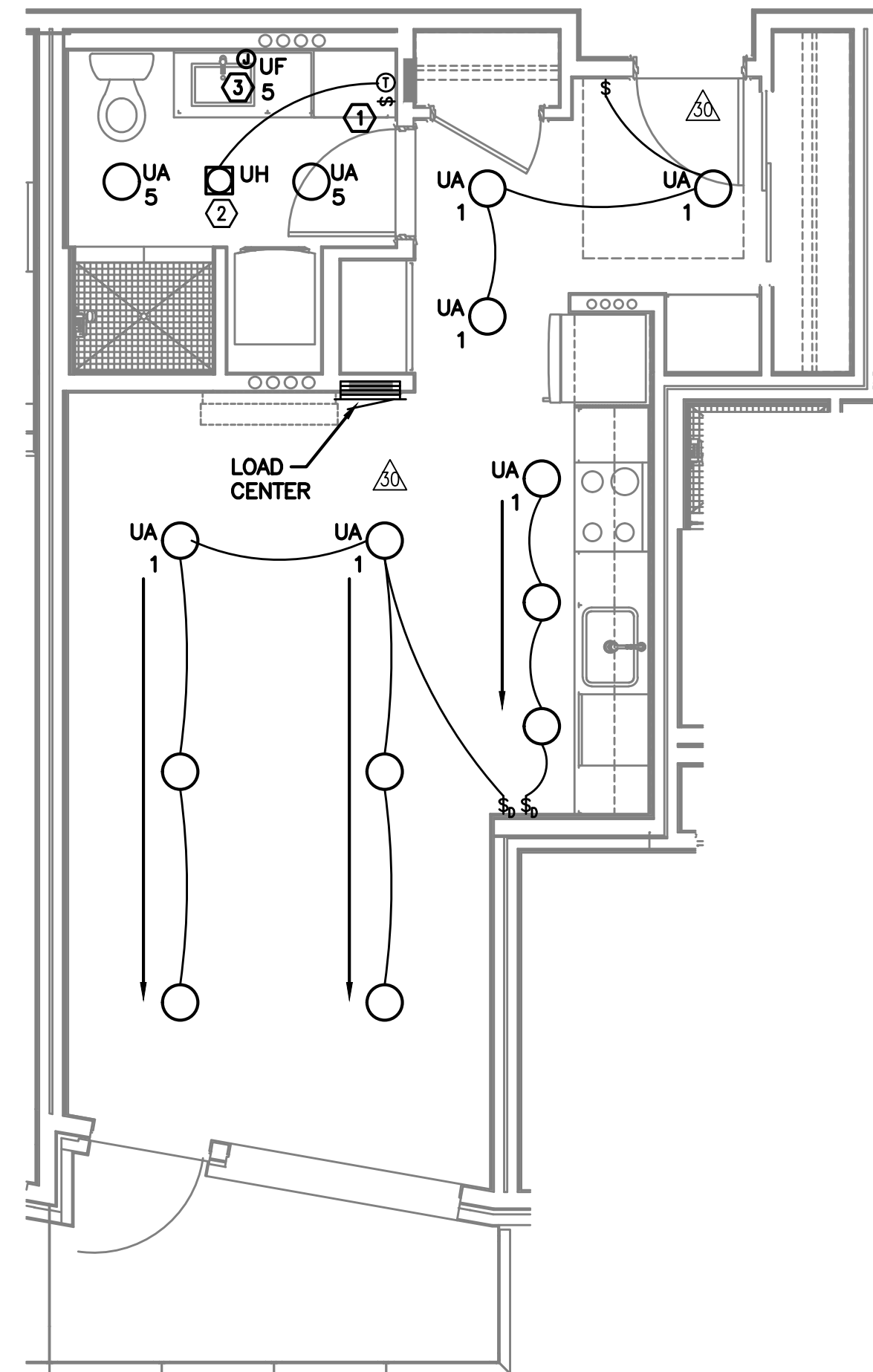
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REVISIONS
 △ COORDINATION 05.26.17
 △ COORDINATION 07.07.17



1 UNIT TYPE 'S' - LIGHTING
E4.08 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'T' - LIGHTING
E4.08 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- 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 (APARTMENT UNITS):

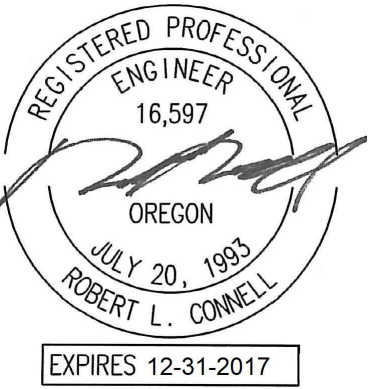
- ① REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
- ② PROVIDE ONE DEDICATED 20A CIRCUIT FOR BATHROOM CEILING HEATER FROM TENANT LOADCENTER. PROVIDE THERMOSTAT AS INDICATED.
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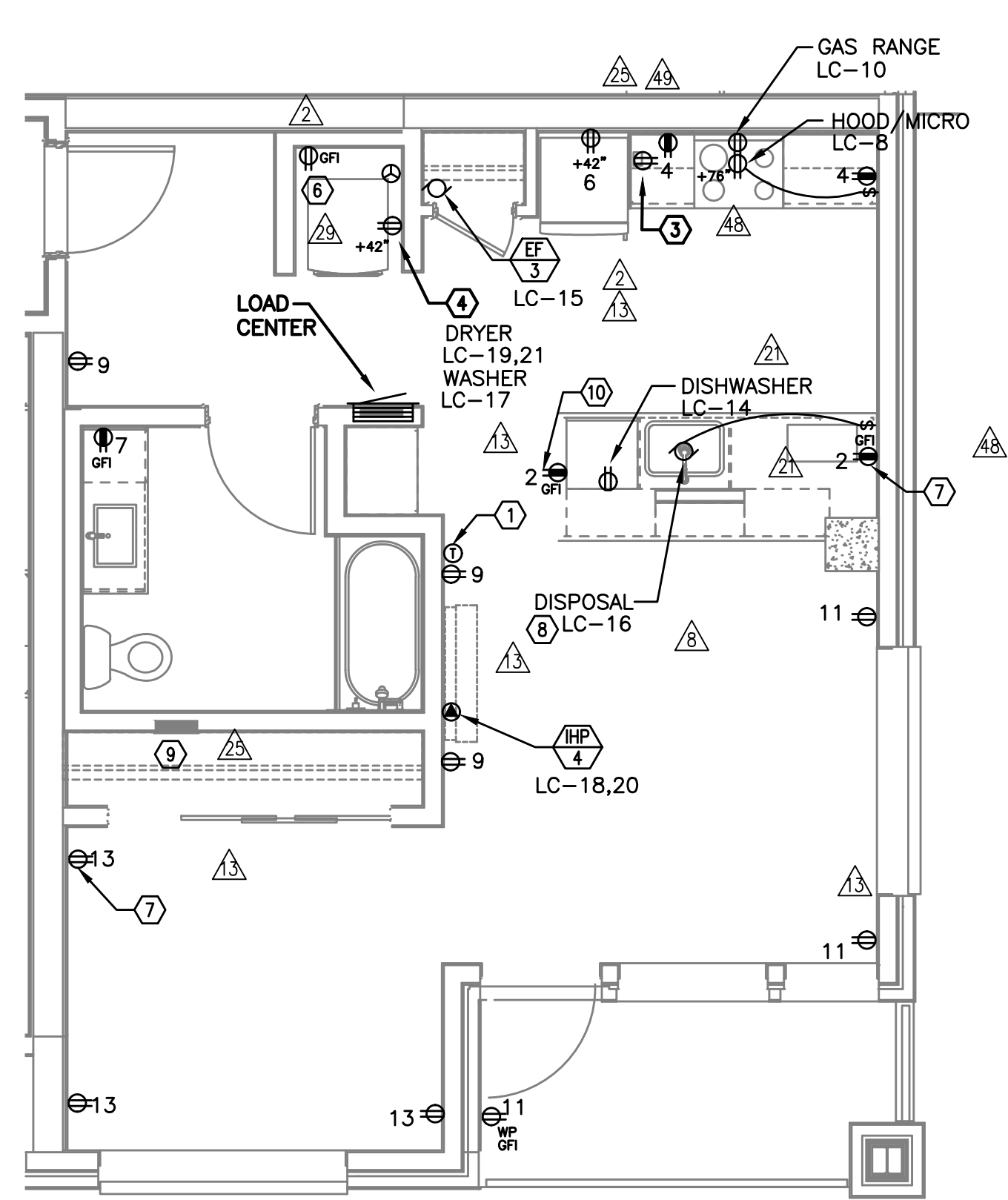
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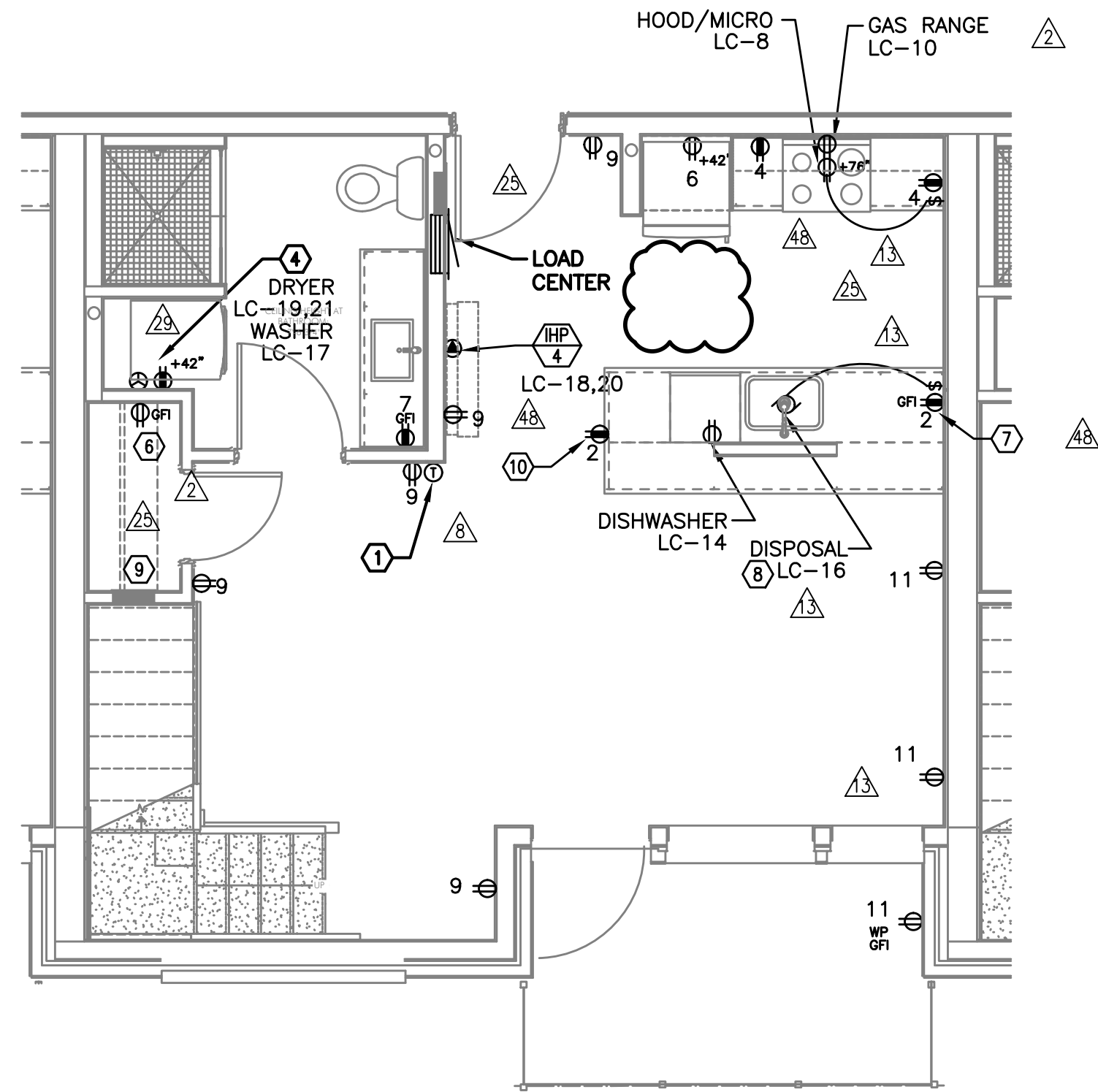
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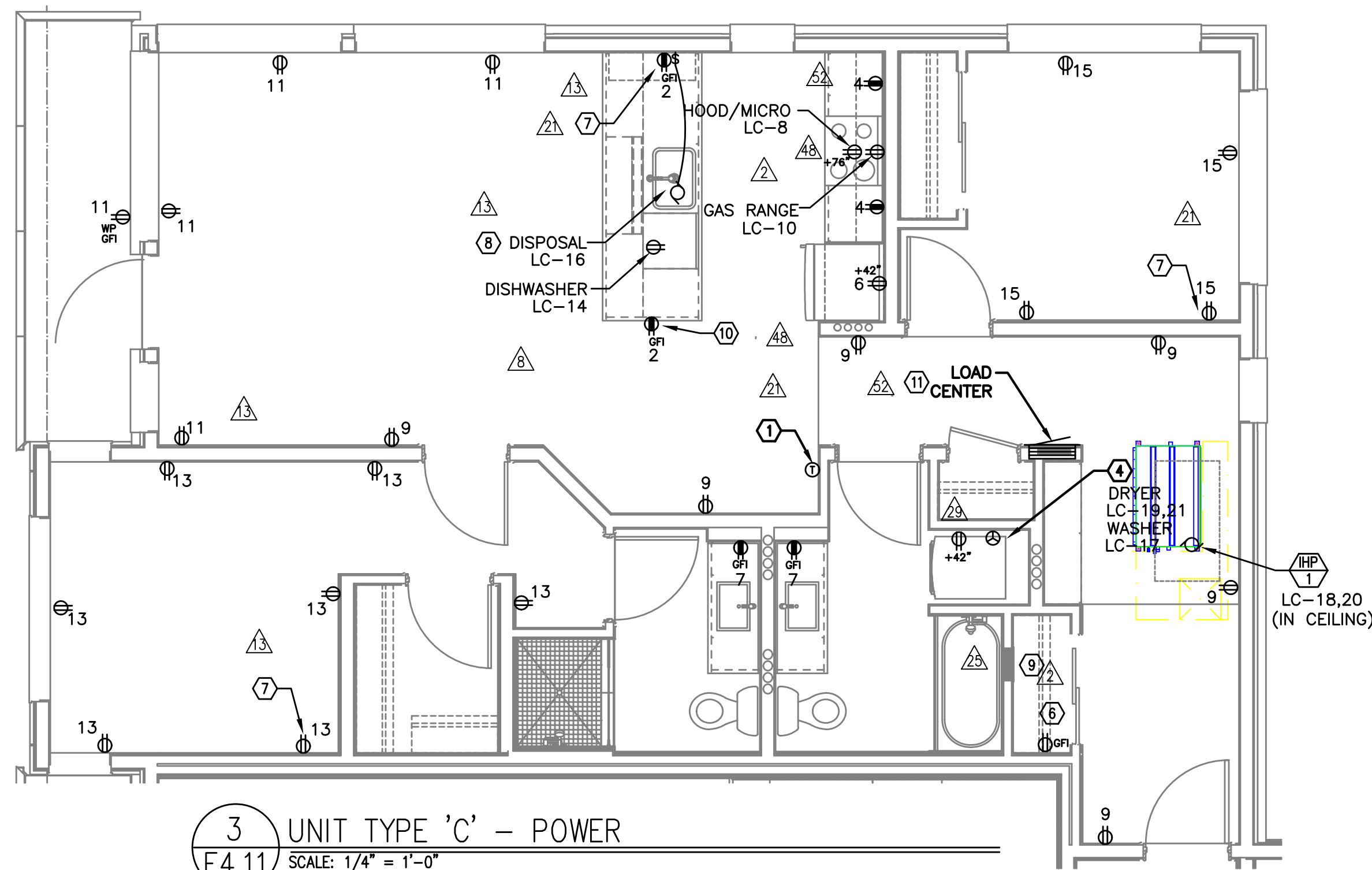
- REVISIONS
- △ COORDINATION 04.14.17
 - △ COORDINATION 05.26.17
 - △ COORDINATION 06.30.17
 - △ COORDINATION 01.26.18
 - △ COORDINATION 02.02.18
 - △ COORDINATION 03.09.18



1 UNIT TYPE 'A' (ADA) - POWER
E4.11 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'B' LOFT - POWER
E4.11 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'C' - POWER
E4.11 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- △ PATIO/BALCONY RECEPTACLES SHALL BE FLUSH MOUNTED WITH WEATHERPROOF COVER PLATE, SUCH AS LEVITON WM1D-GY OR APPROVED EQUAL, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- △ REFER TO DETAILS ON SHEET E1.23 AND G2.01 FOR ADDITIONAL INFORMATION REGARDING ADA REACH REQUIREMENTS FOR RECEPTACLE AND SWITCH MOUNTING HEIGHT.
- △ 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.
- △ ALL PLANS ARE DIAGRAMMATICAL. CONSULT ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- △ REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- △ CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES (APARTMENT UNITS):

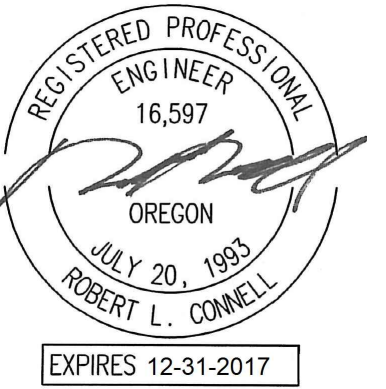
- ① PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- ② FOR UNITS USING MINI-SPLIT SYSTEMS, PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR UNITS AS REQUIRED. COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- △ ③ RECESSED 20A, 1P GFCI RATED, POP-UP COUNTER TOP RECEPTACLE, LEW ELECTRIC PUR20 SERIES OR APPROVED EQUAL. FINISH PER OWNER'S DIRECTION.
- ④ REFER TO DETAIL 4/E1.23 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
- △ ⑤ SWITCH TO BE LOCATED JUST INSIDE SINK BASE CABINET, BEHIND FALSE DRAWER FRONT.
- △ ⑥ PROVIDE ONE DEDICATED GFCI RATED 20A, 120V, 1P RECEPTACLE, LOCATED NEAR WATER SERVICE ENTRY INTO UNIT FOR WATER METER. MOUNT CLOSE TO CEILING AND CIRCUIT FROM TENANT PANEL. CONSULT PLUMBING PLANS AND COORDINATE EXACT LOCATION PRIOR TO ROUGH IN.
- △ ⑦ PROVIDE ONE 20A, 120V, 1P RECEPTACLE WITH USB PORT. AT KITCHEN ISLAND/PENINSULA COUNTER, MOUNT AT 48" A.F.F. MOUNT AT STANDARD RECEPTACLE HEIGHT IN BEDROOMS WHERE INDICATED. CONSULT ARCHITECT AND/OR INTERIOR DESIGNER FOR ADDITIONAL LOCATIONS WHERE REQUIRED.
- △ ⑧ PROVIDE ONE 20A, 120V, 1P GFCI DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
- △ ⑨ EXTEND NEAREST RECEPTACLE CIRCUIT TO "SMART PANEL" FOR INTEGRAL RECEPTACLE.
- △ ⑩ RECEPTACLE LOCATED JUST UNDER COUNTERTOP AND MOUNTED HORIZONTALLY.
- △ ⑪ OWNER'S PREFERRED LOCATION. IF STRUCTURAL CONDITIONS DO NOT ALLOW SPACE, CONSULT OWNER FOR ALTERNATE LOCATION AND INSTALL PER CODE.

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SHEET:

E4.11

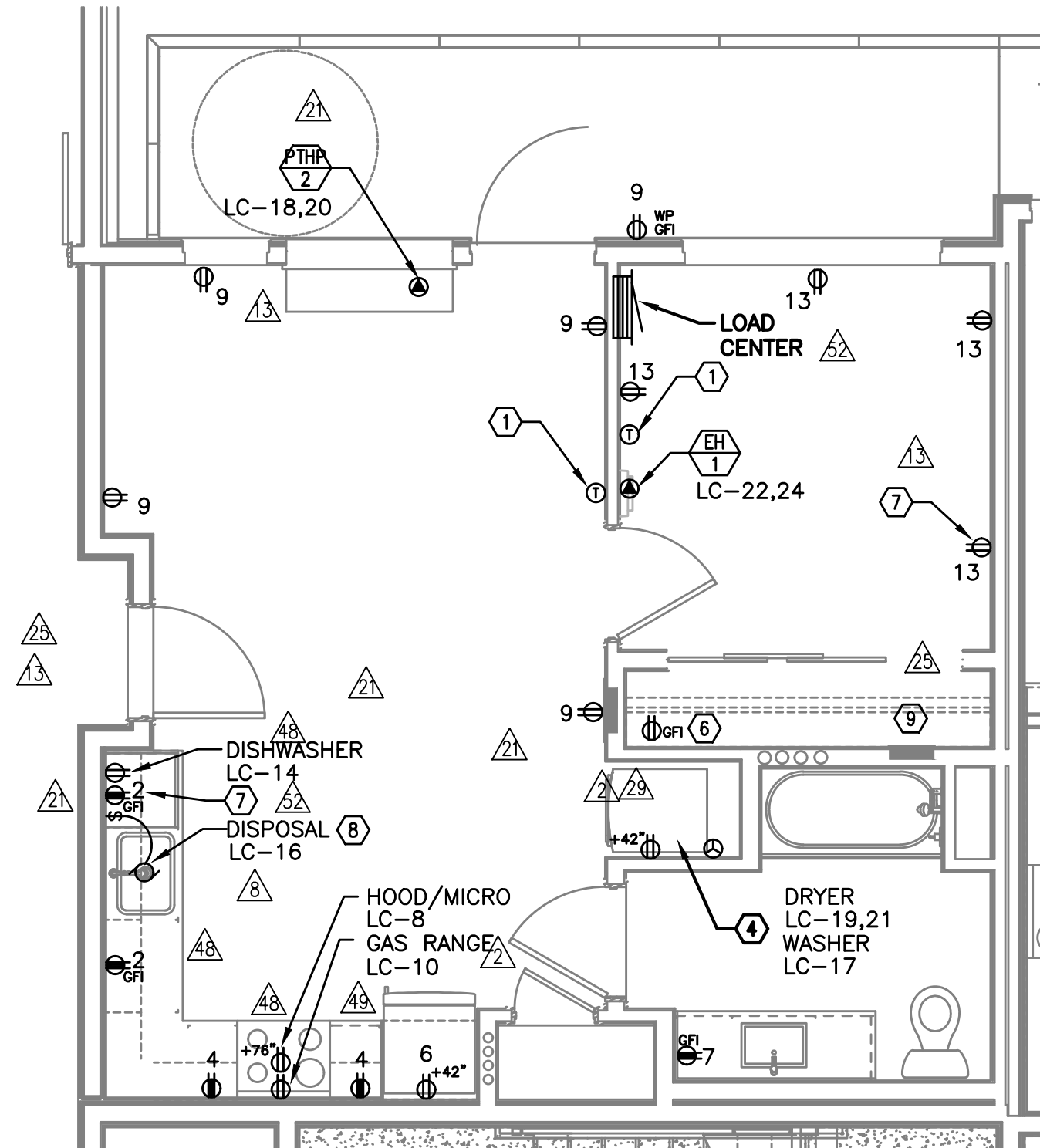
M Consulting Engineers
2007 S.E. Ash St.
Portland, OR 97214
PH: (503) 234-0548
FAX: (503) 234-0877
INC. WWW.MFIA-ENG.COM
CONTACT: DENISE TAYLOR



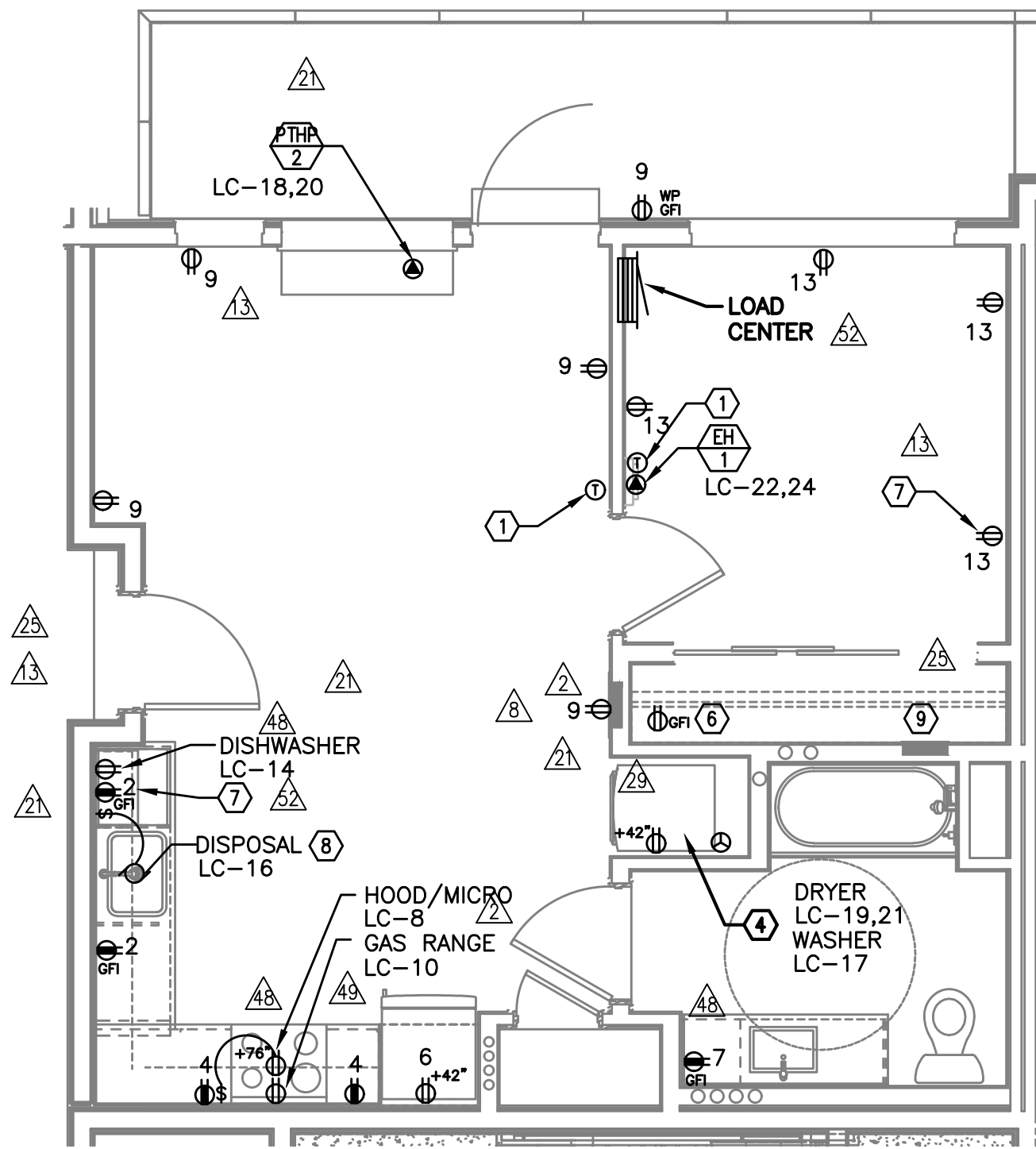
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PROJECT # 14-62
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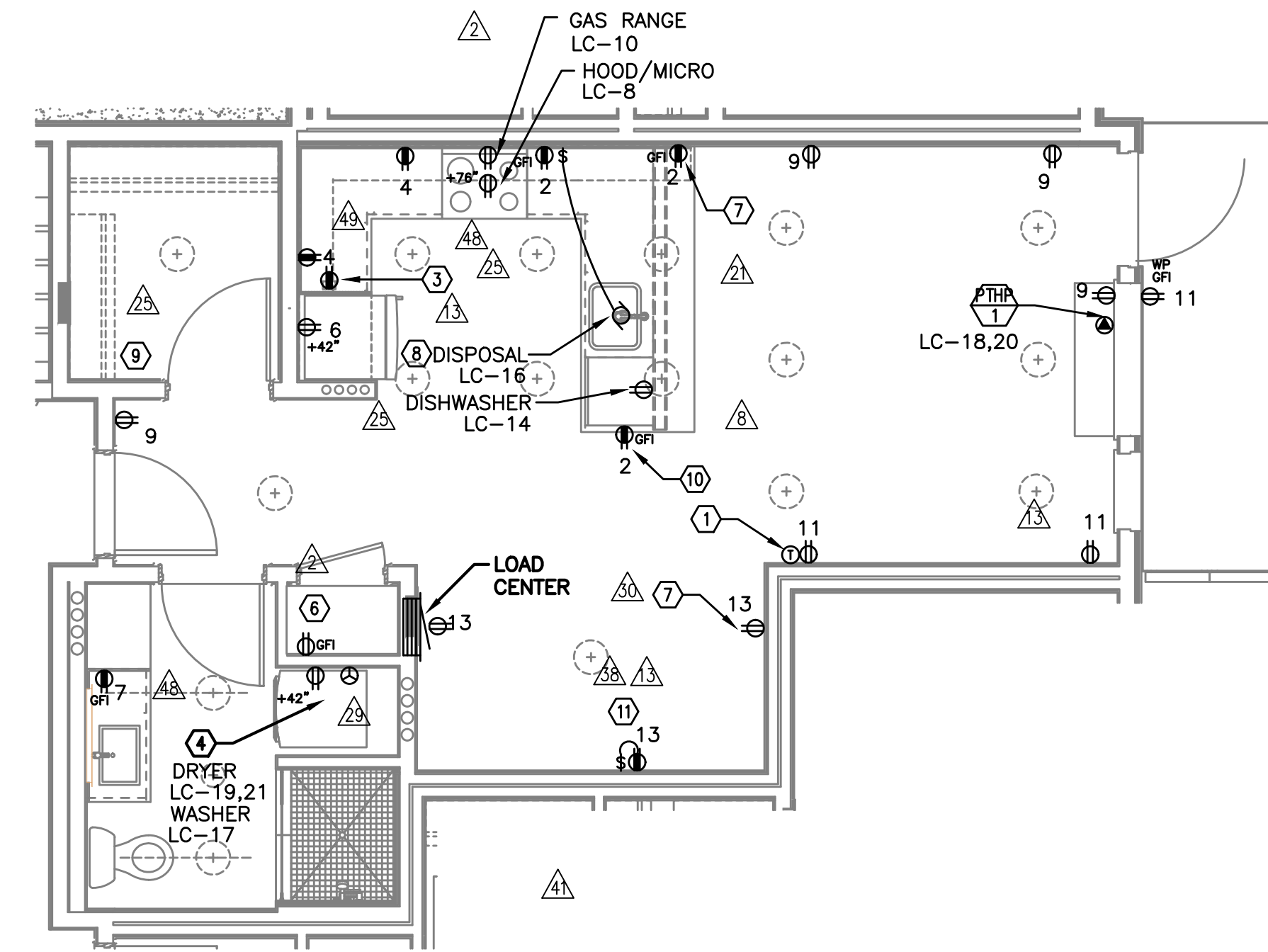
- REVISIONS
- △△ COORDINATION 06.30.17
 - △△ COORDINATION 07.07.17
 - △△ COORDINATION 09.15.17
 - △△ COORDINATION 10.20.17
 - △△ COORDINATION 01.26.18
 - △△ COORDINATION 02.02.18
 - △△ COORDINATION 03.09.18



1 UNIT TYPE 'D' - POWER
E4.12 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'D-ADA' - POWER
E4.12 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'E' - POWER
E4.12 SCALE: 1/4" = 1'-0"

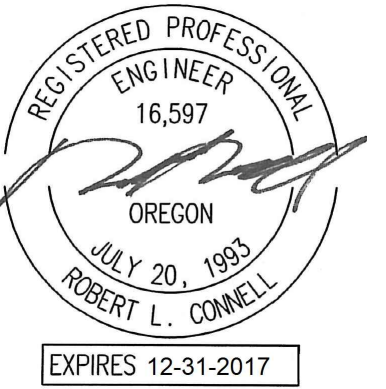
GENERAL NOTES (APARTMENT UNITS):

- △△ A. PATIO/BALCONY RECEPTACLES SHALL BE FLUSH MOUNTED WITH WEATHERPROOF COVER PLATE, SUCH AS LEVITON WM1D-GY OR APPROVED EQUAL, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- B. REFER TO DETAILS ON SHEET E1.23 AND G2.01 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 FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- E. REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- △ F. CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES (APARTMENT UNITS):

- ① PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- ② FOR UNITS USING MINI-SPLIT SYSTEMS, PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR UNITS AS REQUIRED. COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
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- ④ REFER TO DETAIL 4/E1.23 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
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- △△ ⑪ DUPLEX RECEPTACLE AND LIGHT SWITCH FOR MURPHY BED. MOUNT AT 42" AFF AND CIRCUIT AS INDICATED. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. PROVIDE WIRE CONNECTION PER MANUFACTURER'S INSTRUCTION.

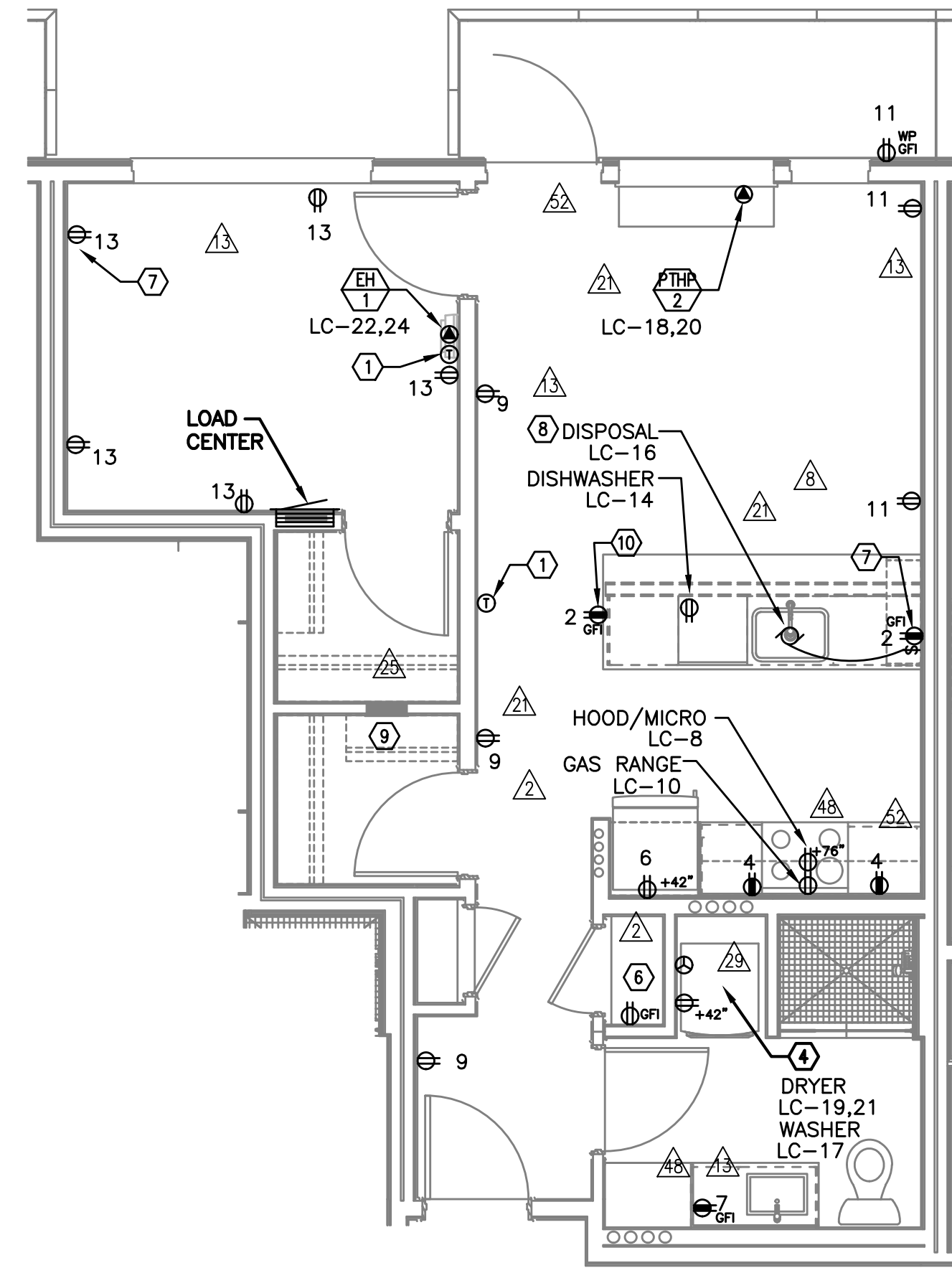
MISSISSIPPI AT COOK
MIXED-USE BUILDING
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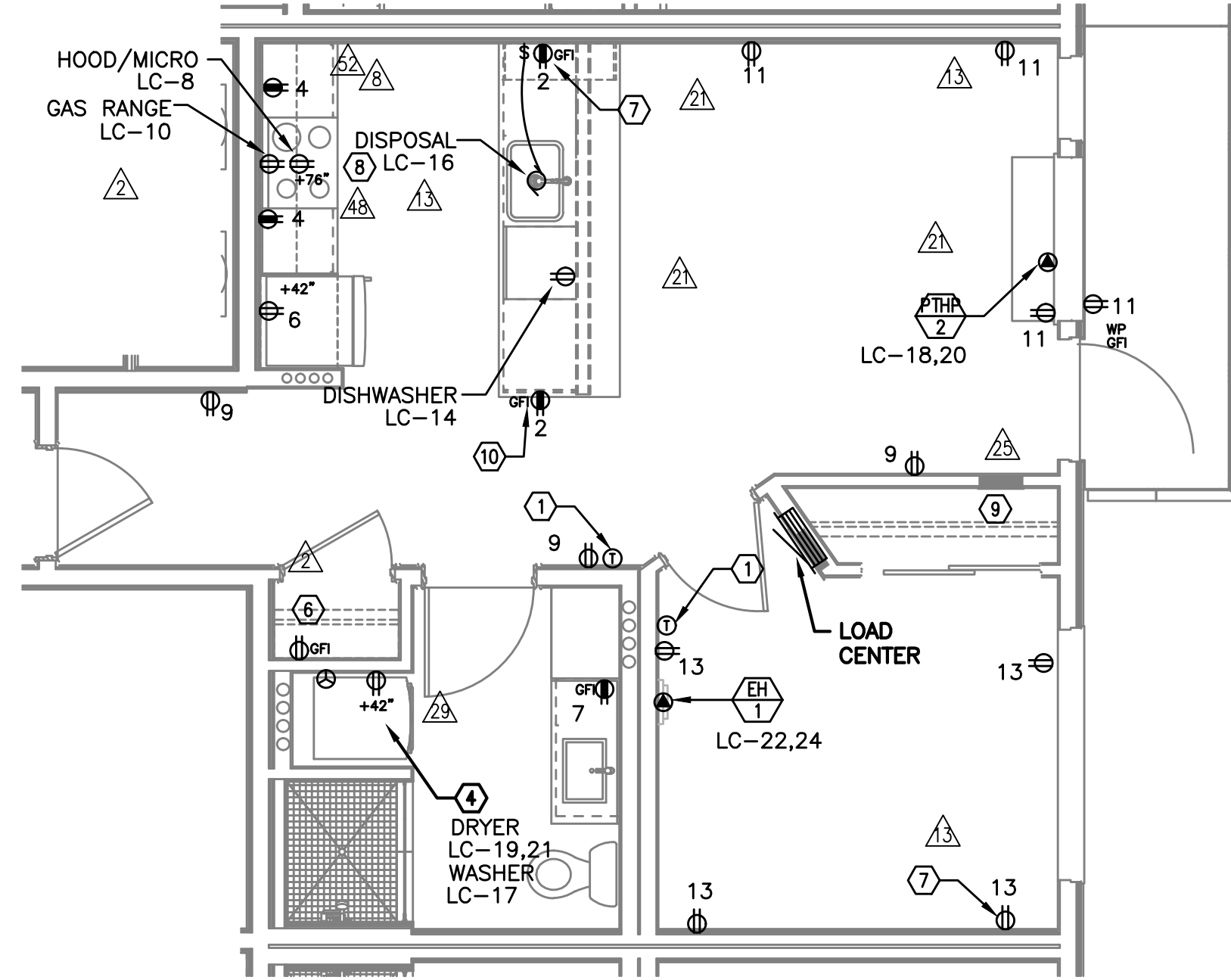
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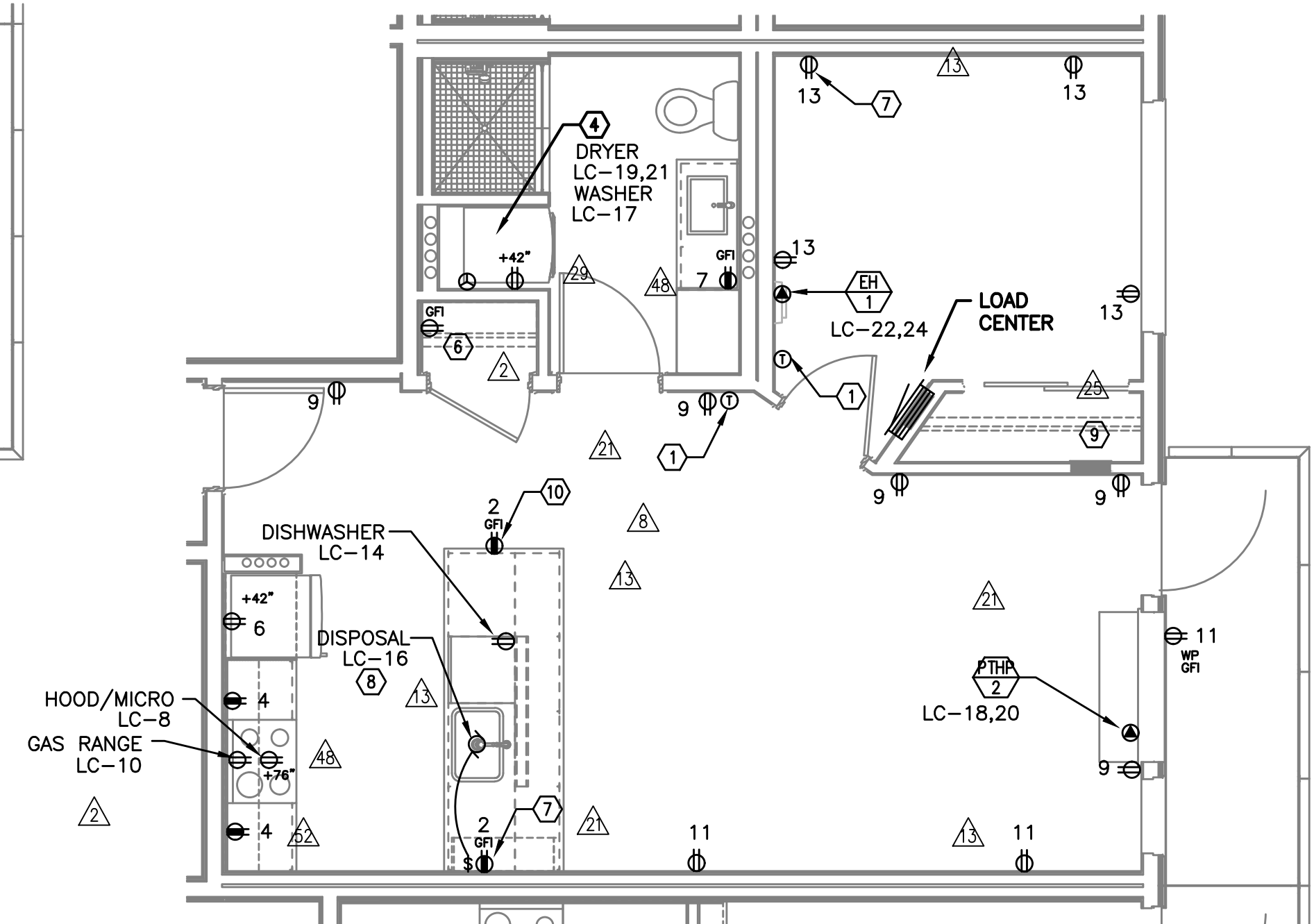
- REVISIONS
- △ COORDINATION 01.27.17
 - △ COORDINATION 04.14.17
 - △ COORDINATION 05.26.17
 - △ COORDINATION 06.30.17
 - △ COORDINATION 01.26.18
 - △ COORDINATION 03.09.18



1 UNIT TYPE 'F' - POWER
E4.13 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'G' - POWER
E4.13 SCALE: 1/4" = 1'-0"



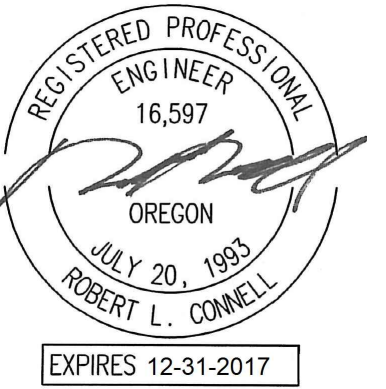
3 UNIT TYPE 'H' - POWER
E4.13 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- △ △ A. PATIO/BALCONY RECEPTACLES SHALL BE FLUSH MOUNTED WITH WEATHERPROOF COVER PLATE, SUCH AS LEVITON WM1D-GY OR APPROVED EQUAL, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- B. REFER TO DETAILS ON SHEET E1.23 AND G2.01 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 FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- E. REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- △ F. CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES (APARTMENT UNITS):

- ① PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- ② FOR UNITS USING MINI-SPLIT SYSTEMS, PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR UNITS AS REQUIRED. COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- △ ③ RECESSED 20A, 1P GFCI RATED, POP-UP COUNTER TOP RECEPTACLE, LEW ELECTRIC PUR20 SERIES OR APPROVED EQUAL. FINISH PER OWNER'S DIRECTION.
- ④ REFER TO DETAIL 4/E1.23 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
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- △ △ ⑦ PROVIDE ONE 20A, 120V, 1P RECEPTACLE WITH USB PORT. AT KITCHEN ISLAND/PENNISULA COUNTER, MOUNT AT 48" A.F.F. MOUNT AT STANDARD RECEPTACLE HEIGHT IN BEDROOMS WHERE INDICATED. CONSULT ARCHITECT AND/OR INTERIOR DESIGNER FOR ADDITIONAL LOCATIONS WHERE REQUIRED.
- ⑧ PROVIDE ONE 20A, 120V, 1P GFCI DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
- △ ⑨ EXTEND NEAREST RECEPTACLE CIRCUIT TO "SMART PANEL" FOR INTEGRAL RECEPTACLE.
- △ ⑩ RECEPTACLE LOCATED JUST UNDER COUNTERTOP AND MOUNTED HORIZONTALLY.

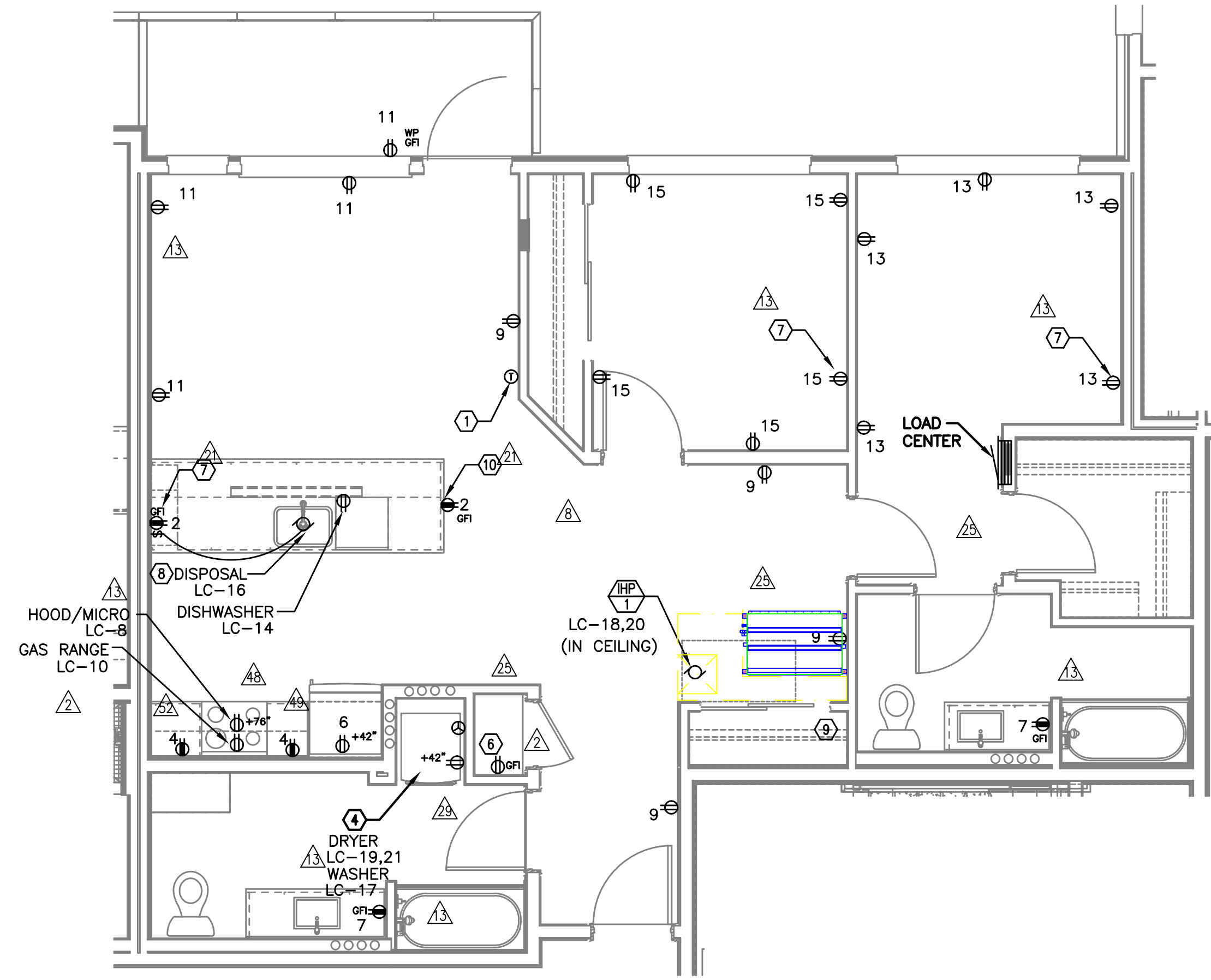


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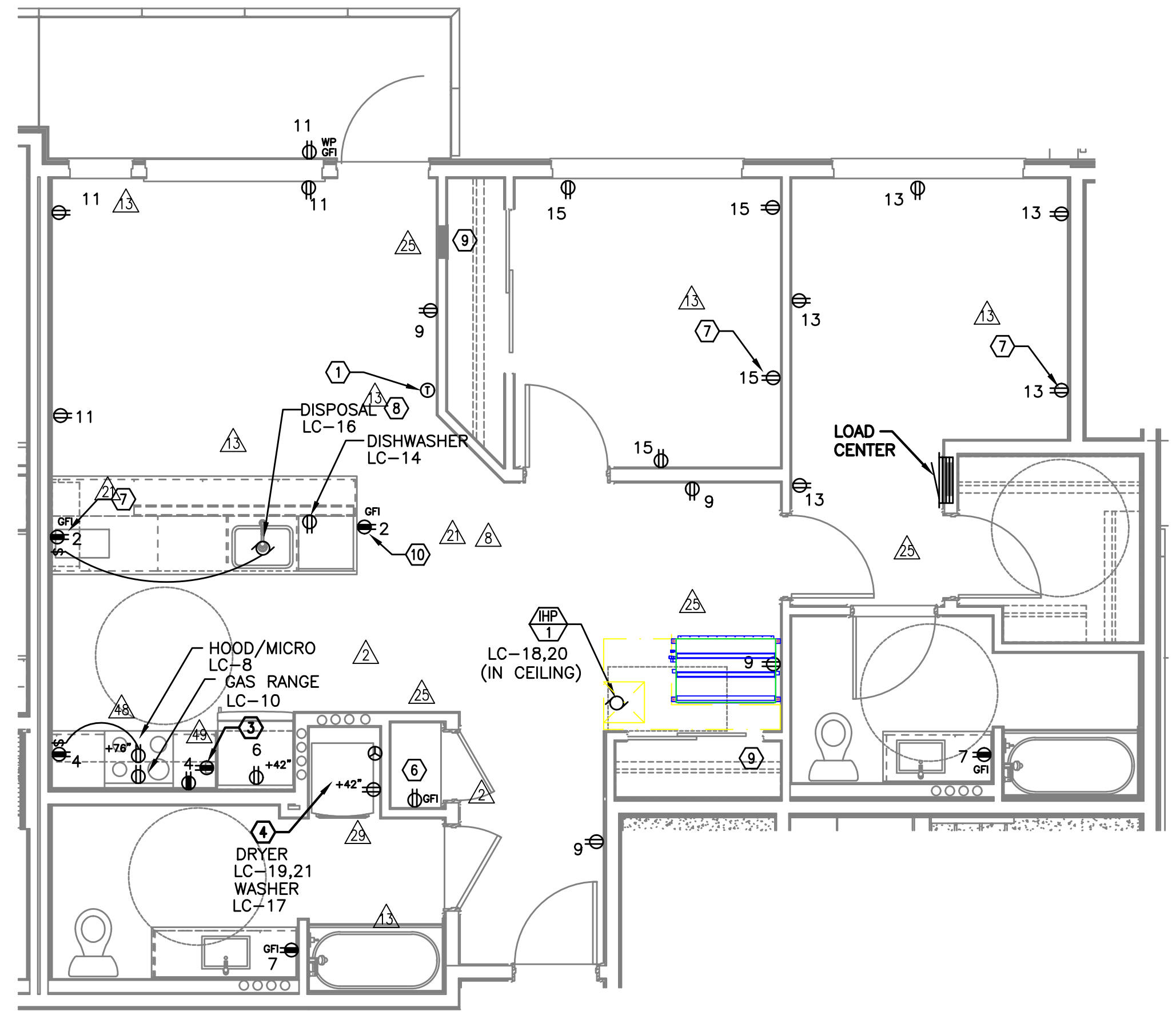
PROJECT # 14-62
DATE: 01/19/2016

- REVISIONS
- COORDINATION 04.14.17
 - COORDINATION 05.26.17
 - COORDINATION 06.30.17
 - COORDINATION 01.26.18
 - COORDINATION 02.02.18
 - COORDINATION 03.09.18

**MISSISSIPPI AT COOK
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751 NORTH COOK STREET PORTLAND, OREGON 97227



1 UNIT TYPE 'I' - POWER
E4.14 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'I-ADA' - POWER
E4.14 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- A. PATIO/BALCONY RECEPTACLES SHALL BE FLUSH MOUNTED WITH WEATHERPROOF COVER PLATE, SUCH AS LEVITON WM1D-GY OR APPROVED EQUAL, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- B. REFER TO DETAILS ON SHEET E1.23 AND G2.01 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 FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- E. REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- F. CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES (APARTMENT UNITS):

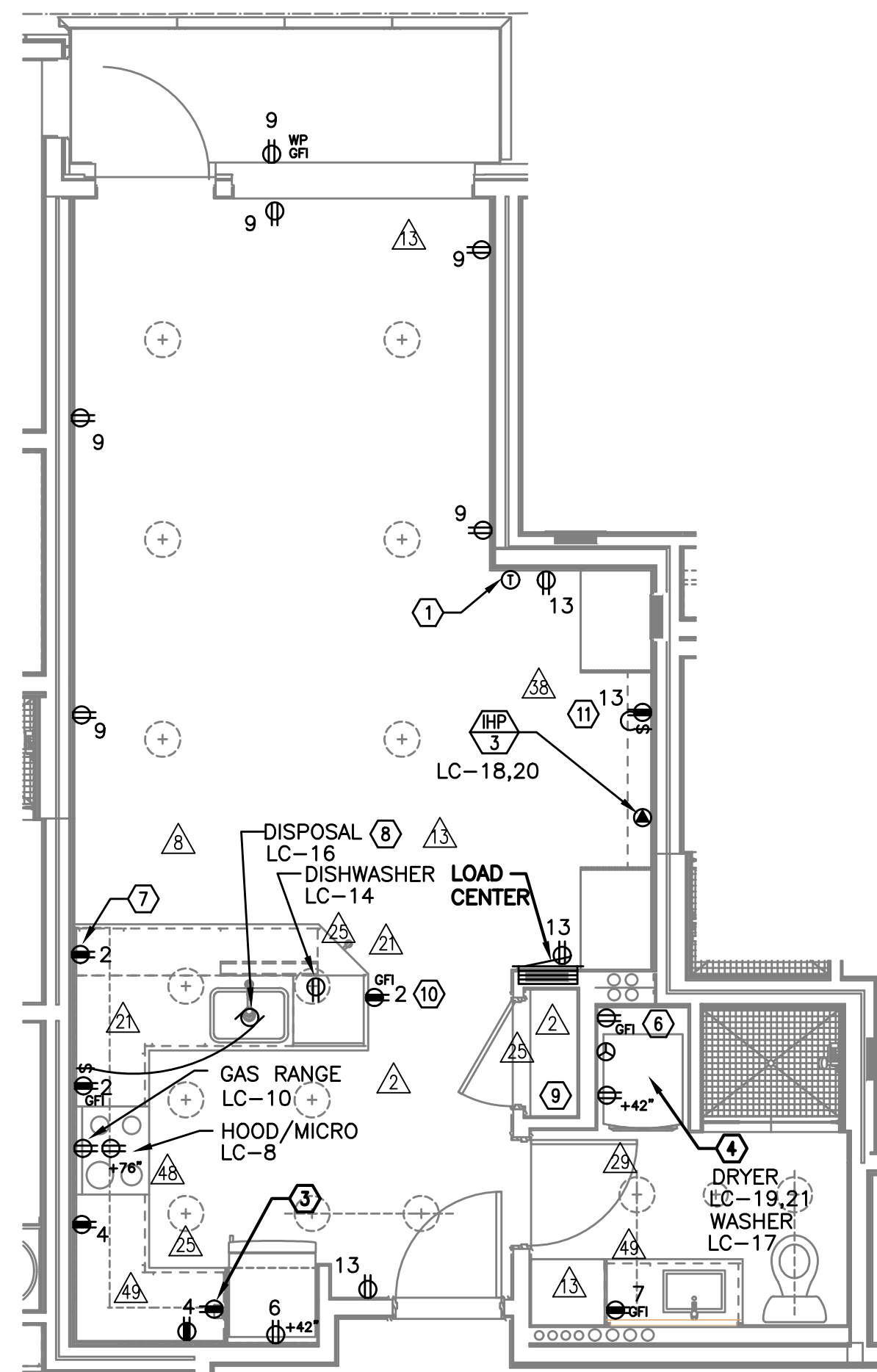
- 1 PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- 2 FOR UNITS USING MINI-SPLIT SYSTEMS, PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR UNITS AS REQUIRED. COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- 3 RECESSED 20A, 1P GFIC RATED, POP-UP COUNTER TOP RECEPTACLE, LEW ELECTRIC PUR20 SERIES OR APPROVED EQUAL. FINISH PER OWNER'S DIRECTION.
- 4 REFER TO DETAIL 4/E1.23 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
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- 10 RECEPTACLE LOCATED JUST UNDER COUNTERTOP AND MOUNTED HORIZONTALLY.



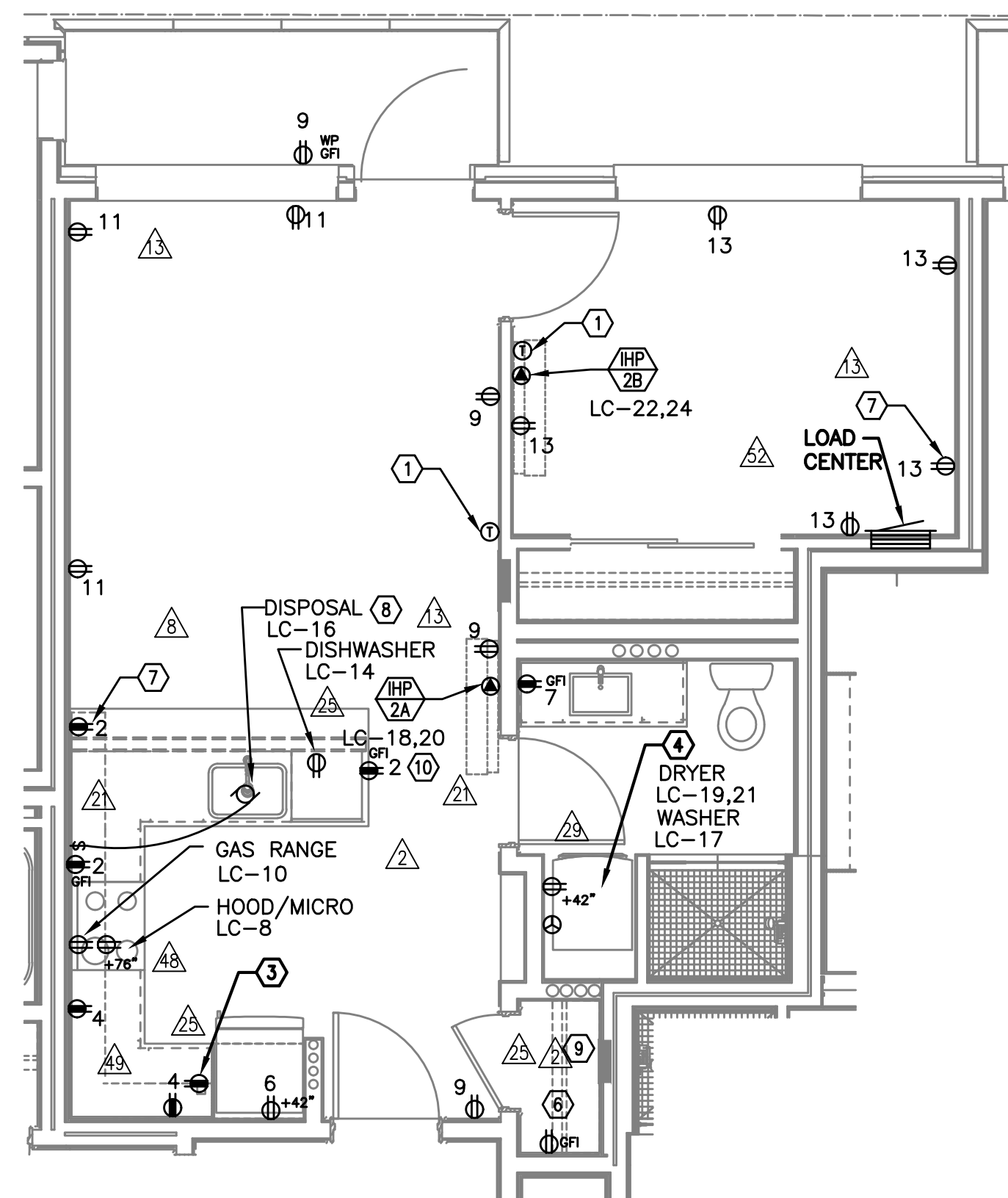
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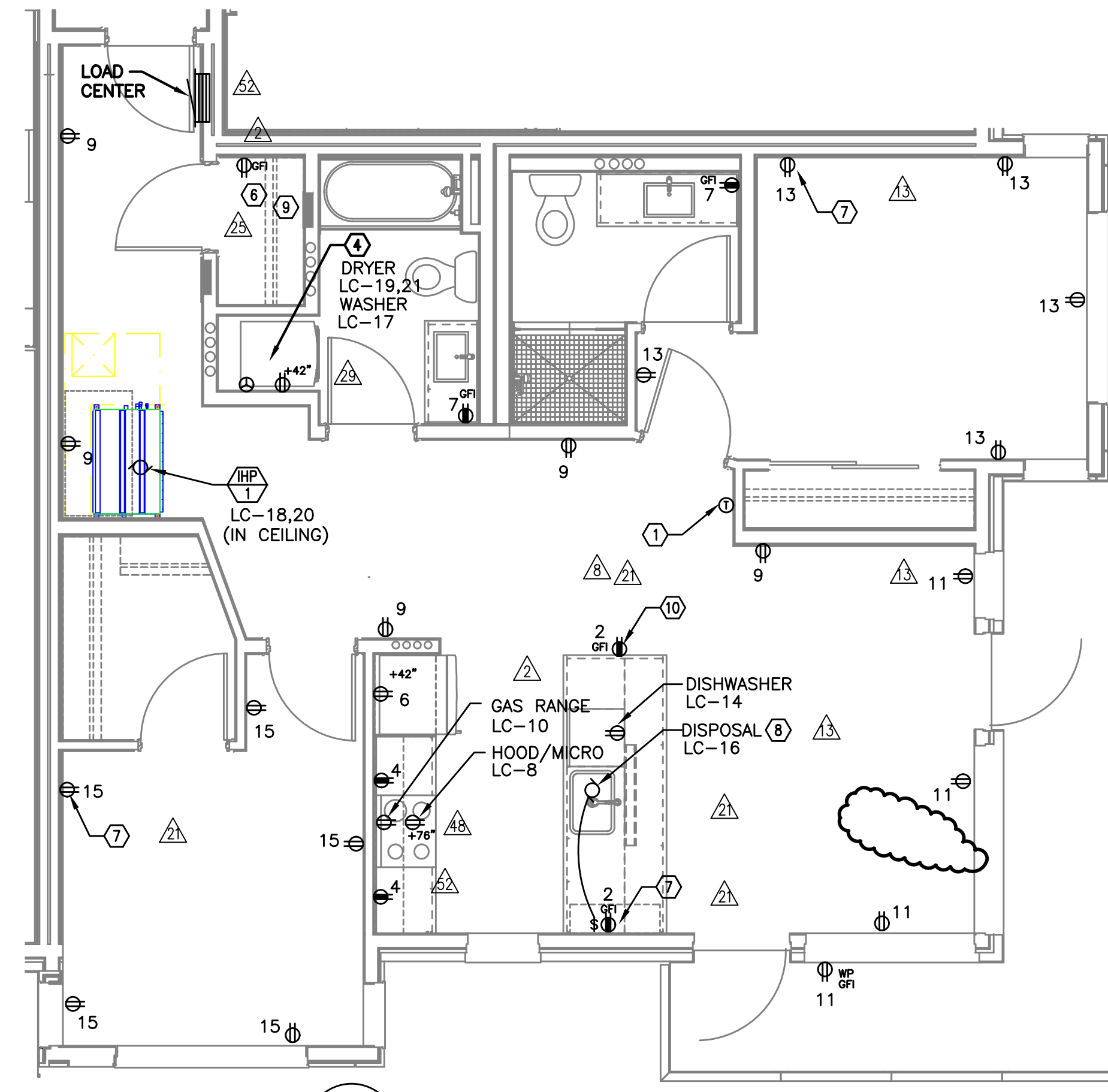
- REVISIONS
- ① COORDINATION 04.14.17
 - ② COORDINATION 05.26.17
 - ③ COORDINATION 06.30.17
 - ④ COORDINATION 09.15.17
 - ⑤ COORDINATION 01.26.18
 - ⑥ COORDINATION 02.02.18
 - ⑦ COORDINATION 03.09.18



1 UNIT TYPE 'J' - POWER
E4.15 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'K' - POWER
E4.15 SCALE: 1/4" = 1'-0"



3 UNIT TYPE 'L' - POWER
E4.15 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

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- E. REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- ⚠ F. CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES (APARTMENT UNITS):

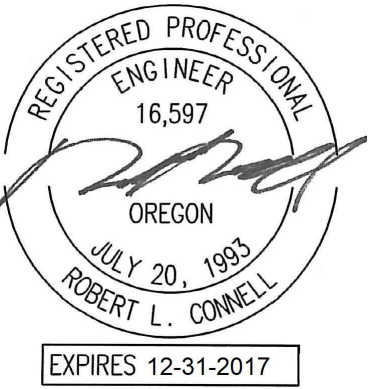
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MISSISSIPPI AT COOK
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SHEET:

E4.15

M Consulting Engineers
2007 S.E. Ash St.
Portland, OR 97214
PH: (503) 234-0548
FAX: (503) 234-0877
INC. WWW.MFIA-ENG.COM
CONTACT: DENISE TAYLOR



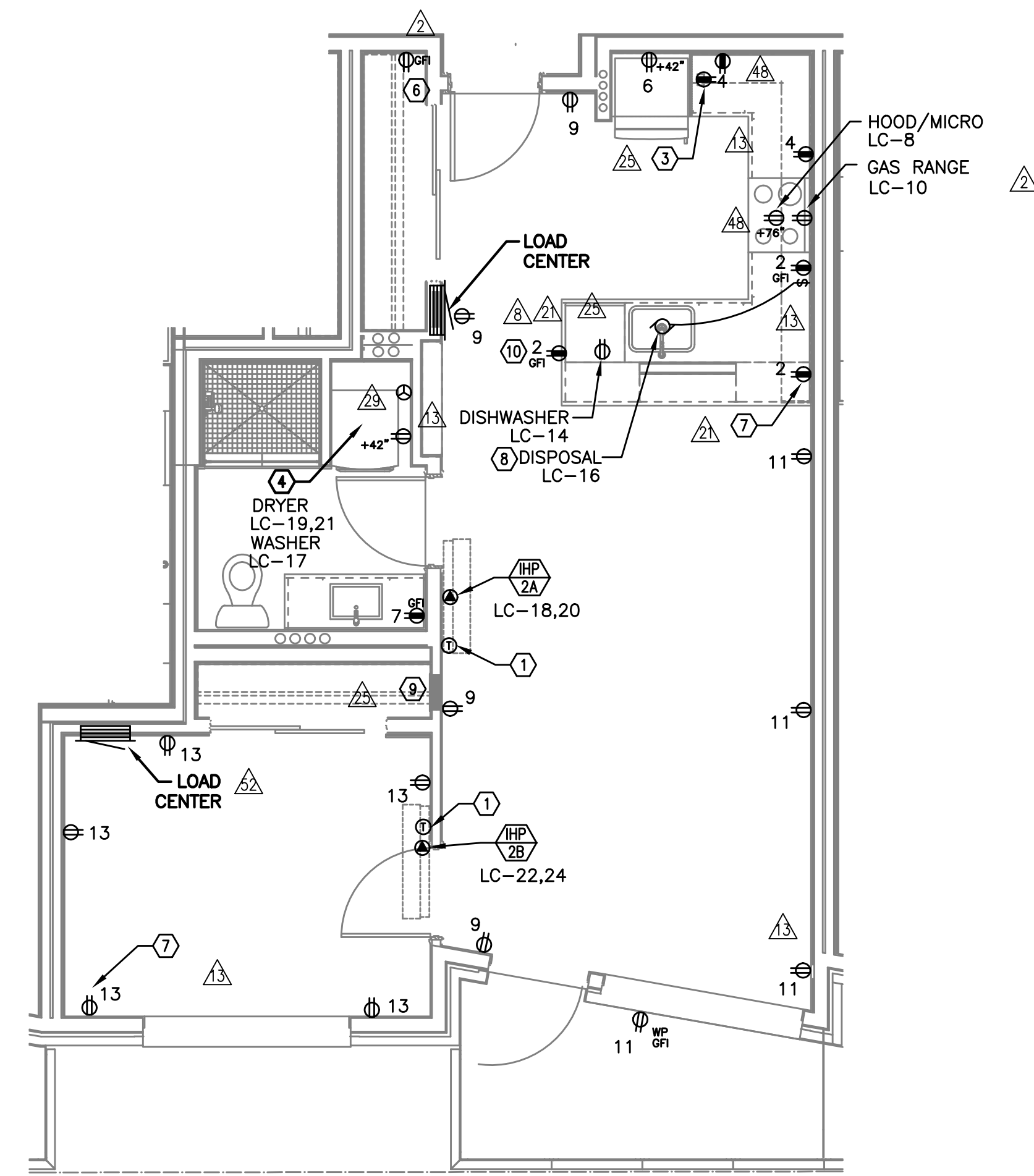
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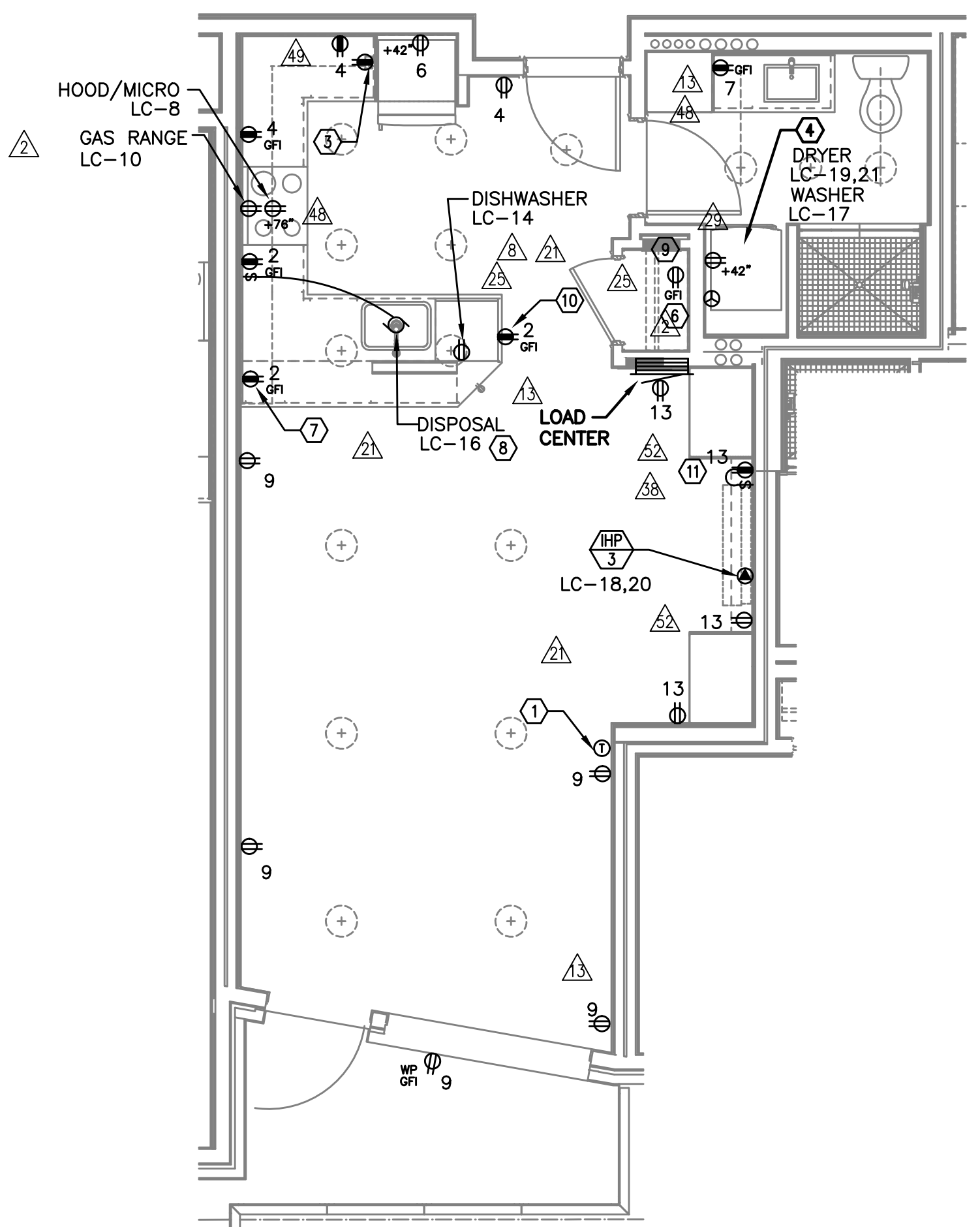
- REVISIONS
- ① COORDINATION 04.14.17
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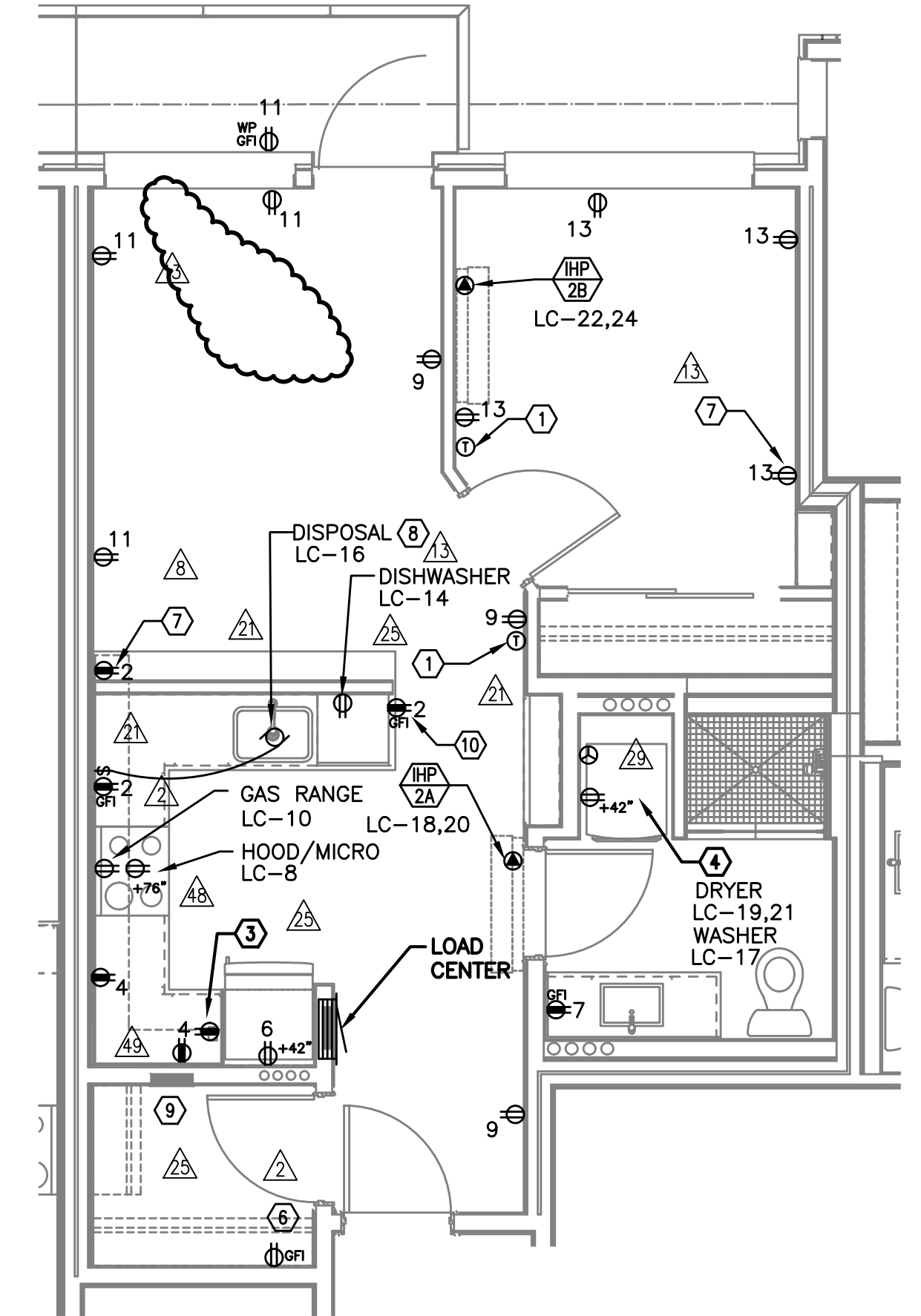
SHEET:
E4.16



1 UNIT TYPE 'M' - POWER
E4.16 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'N' - POWER
E4.16 SCALE: 1/4" = 1'-0"



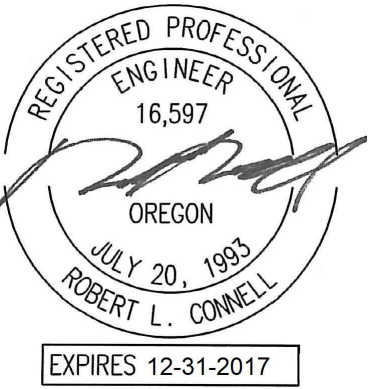
3 UNIT TYPE 'O' - POWER
E4.16 SCALE: 1/4" = 1'-0"

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KEYED NOTES (APARTMENT UNITS):

- ① PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- ② FOR UNITS USING MINI-SPLIT SYSTEMS, PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR UNITS AS REQUIRED. COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
- ③ RECESSED 20A, 1P GFCI RATED, POP-UP COUNTER TOP RECEPTACLE, LEW ELECTRIC PUR20 SERIES OR APPROVED EQUAL. FINISH PER OWNER'S DIRECTION.
- ④ REFER TO DETAIL 4/E1.23 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
- ⑤ SWITCH TO BE LOCATED JUST INSIDE SINK BASE CABINET, BEHIND FALSE DRAWER FRONT.
- ⑥ PROVIDE ONE DEDICATED GFCI RATED 20A, 120V, 1P RECEPTACLE, LOCATED NEAR WATER SERVICE ENTRY INTO UNIT FOR WATER METER. MOUNT CLOSE TO CEILING AND CIRCUIT FROM TENANT PANEL. CONSULT PLUMBING PLANS AND COORDINATE EXACT LOCATION PRIOR TO ROUGH IN.
- ⑦ PROVIDE ONE 20A, 120V, 1P RECEPTACLE WITH USB PORT. AT KITCHEN ISLAND/PENNINSULA COUNTER, MOUNT AT 48" A.F.F. MOUNT AT STANDARD RECEPTACLE HEIGHT IN BEDROOMS WHERE INDICATED. CONSULT ARCHITECT AND/OR INTERIOR DESIGNER FOR ADDITIONAL LOCATIONS WHERE REQUIRED.
- ⑧ PROVIDE ONE 20A, 120V, 1P GFCI DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
- ⑨ EXTEND NEAREST RECEPTACLE CIRCUIT TO "SMART PANEL" FOR INTEGRAL RECEPTACLE.
- ⑩ RECEPTACLE LOCATED JUST UNDER COUNTERTOP AND MOUNTED HORIZONTALLY.
- ⑪ DUPLEX RECEPTACLE AND LIGHT SWITCH FOR MURPHY BED. MOUNT AT 42" AFF AND CIRCUIT AS INDICATED. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. PROVIDE WIRE CONNECTION PER MANUFACTURER'S INSTRUCTION.

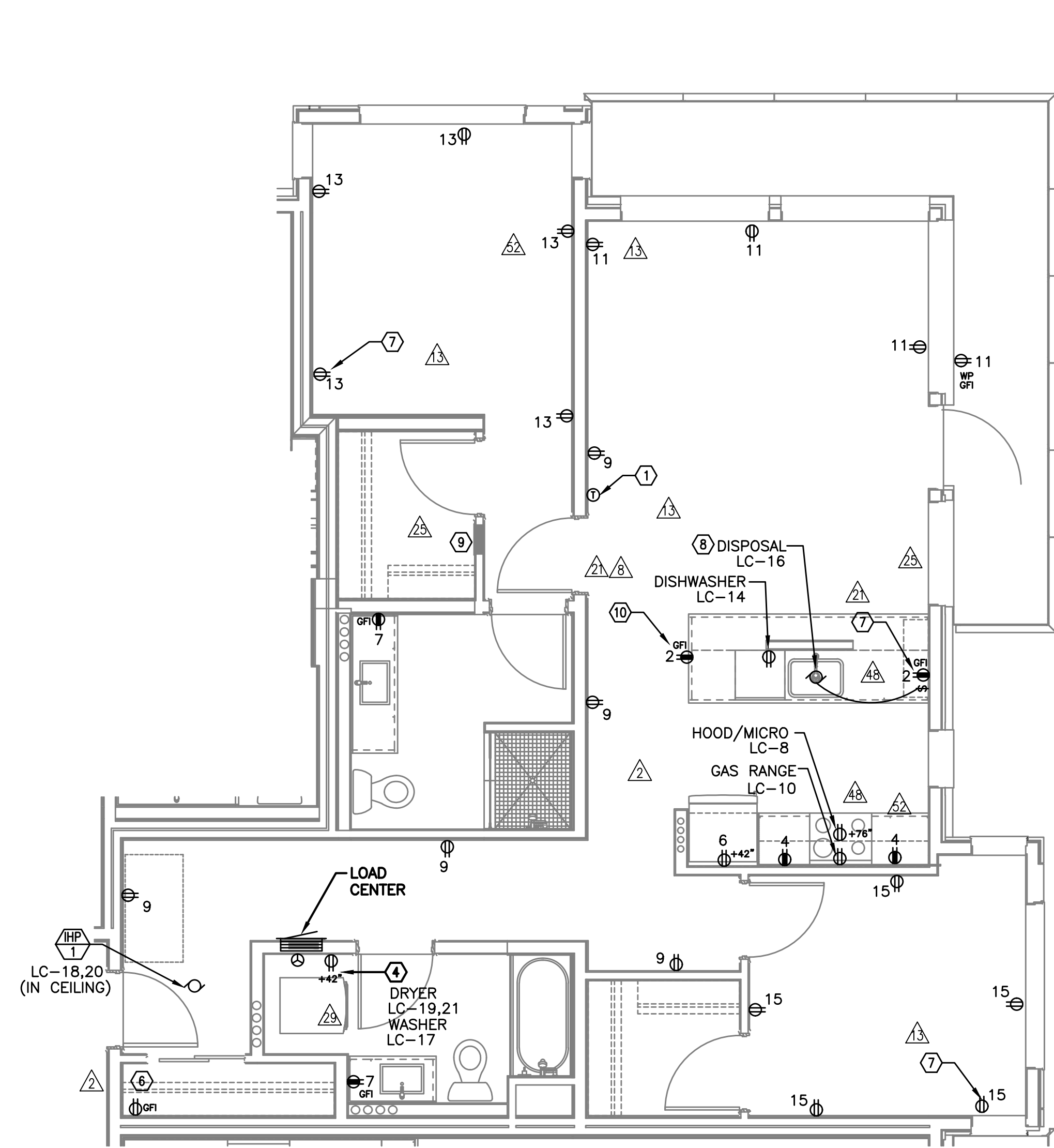


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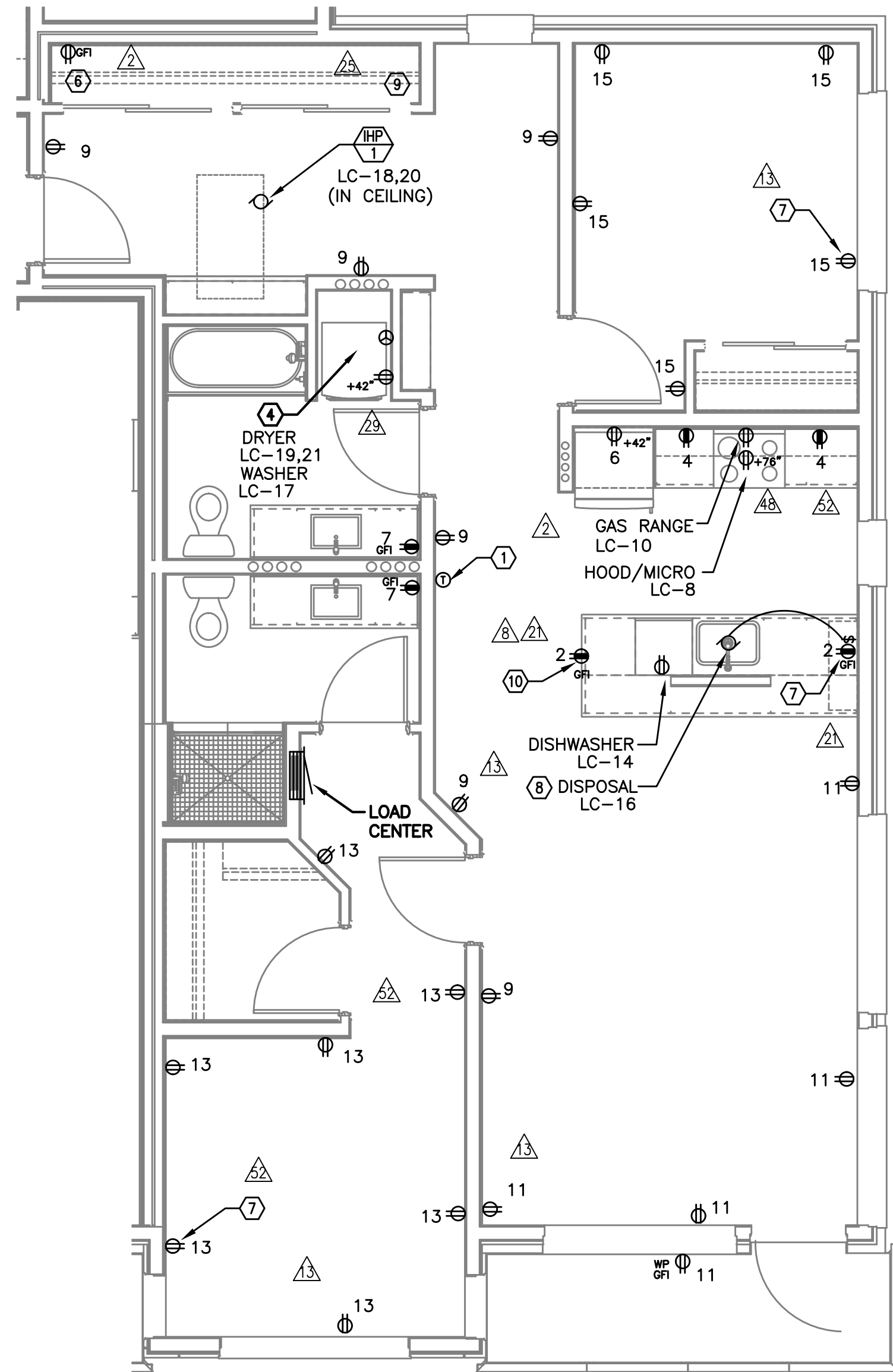
PROJECT # 14-62
DATE: 01/19/2016

- REVISIONS
- △ COORDINATION 04.14.17
 - △ COORDINATION 05.26.17
 - △ COORDINATION 06.30.17
 - △ COORDINATION 01.26.18
 - △ COORDINATION 02.02.18
 - △ COORDINATION 03.09.18

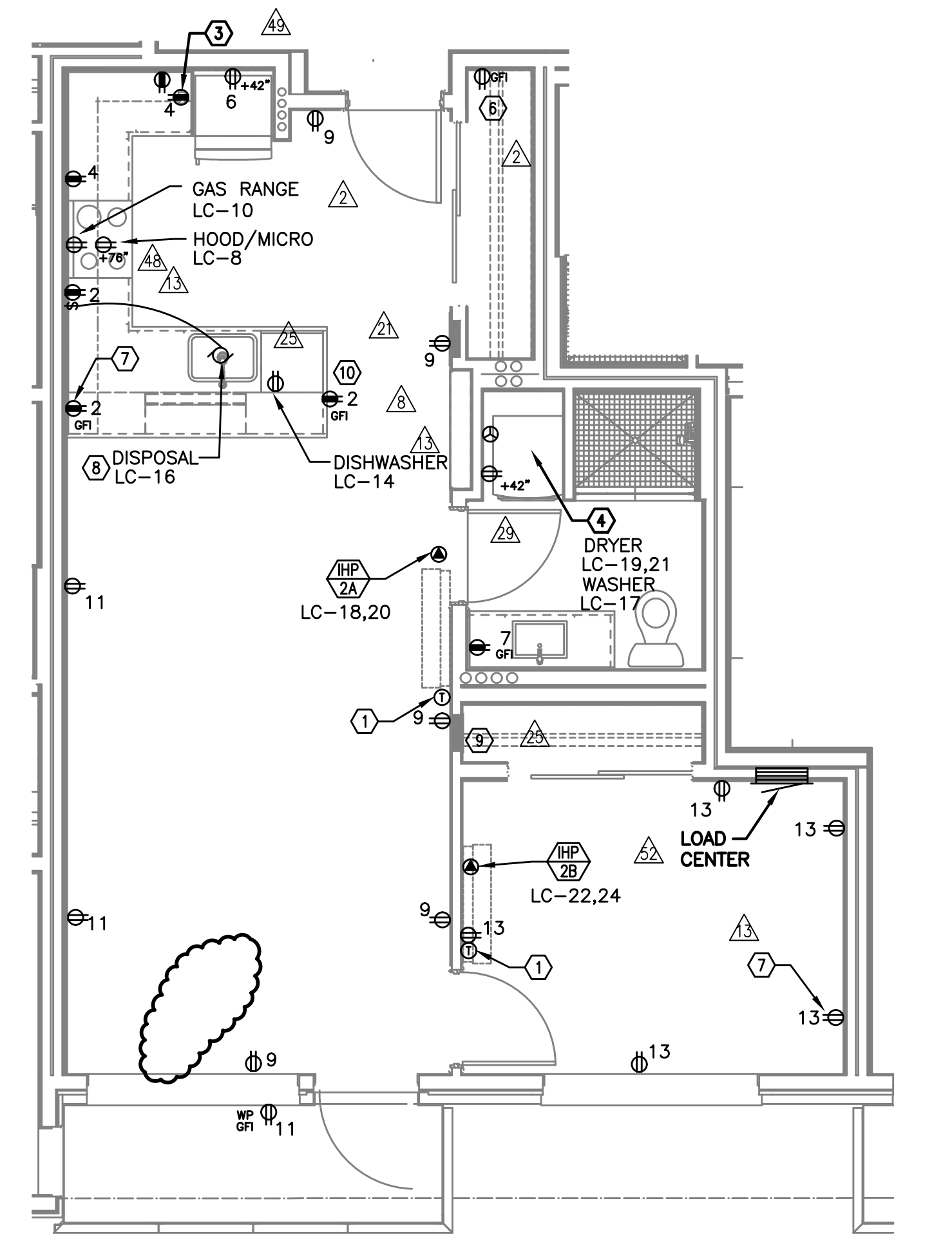
**MISSISSIPPI AT COOK
MIXED-USE BUILDING**
751 NORTH COOK STREET PORTLAND, OREGON 97227



1 UNIT TYPE 'P' - POWER
E4.17 SCALE: 1/4" = 1'-0"



2 UNIT TYPE 'Q' - POWER
E4.17 SCALE: 1/4" = 1'-0"



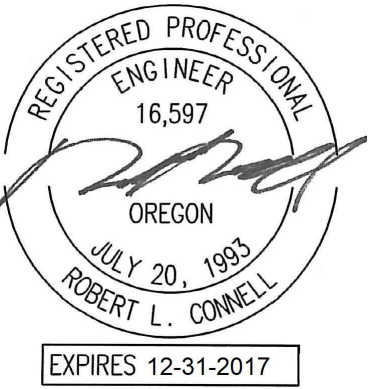
3 UNIT TYPE 'R' - POWER
E4.17 SCALE: 1/4" = 1'-0"

GENERAL NOTES (APARTMENT UNITS):

- A. PATIO/BALCONY RECEPTACLES SHALL BE FLUSH MOUNTED WITH WEATHERPROOF COVER PLATE, SUCH AS LEVITON WM1D-GY OR APPROVED EQUAL, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- B. REFER TO DETAILS ON SHEET E1.23 AND G2.01 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 FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- E. REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- F. CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES (APARTMENT UNITS):

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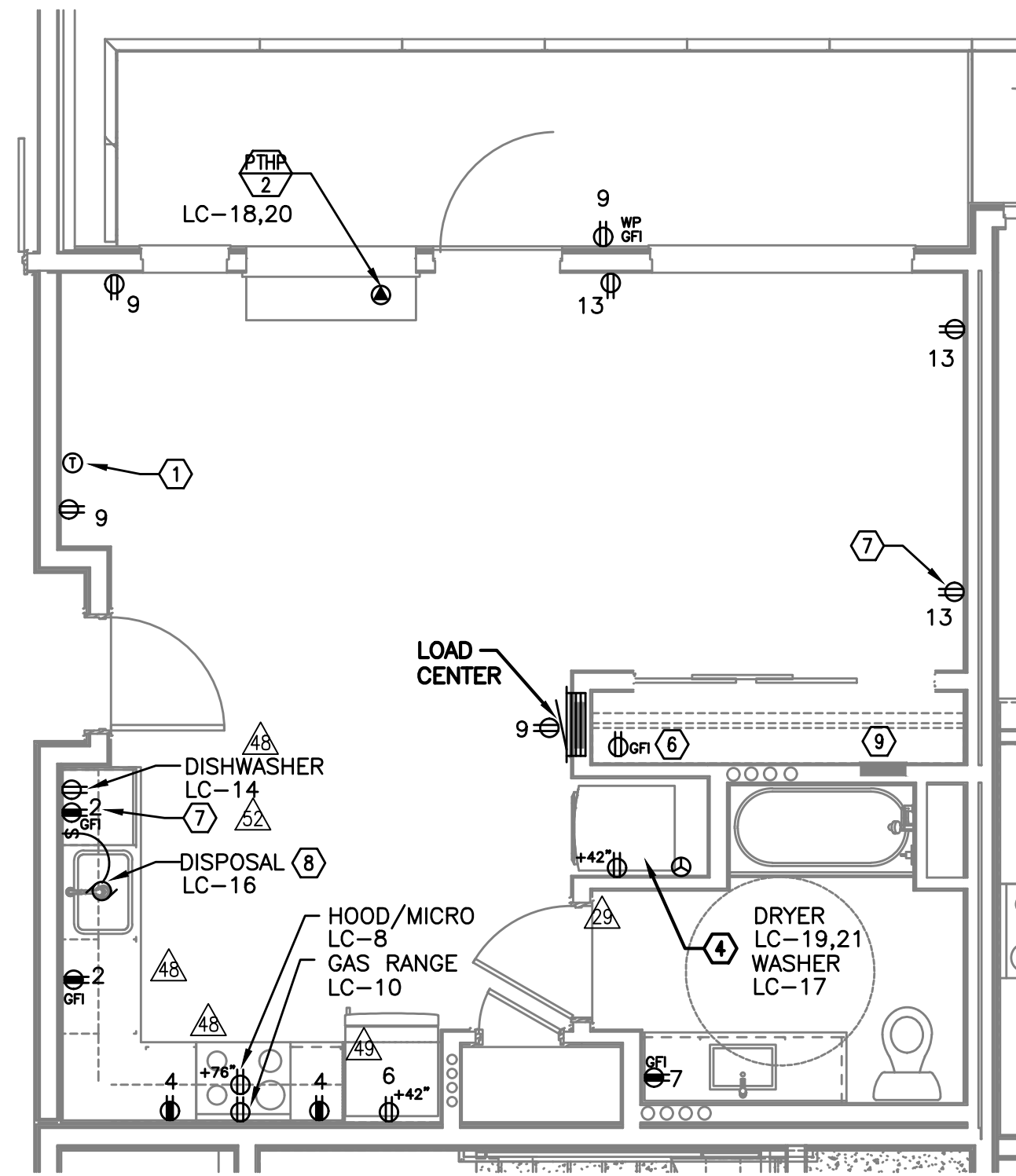


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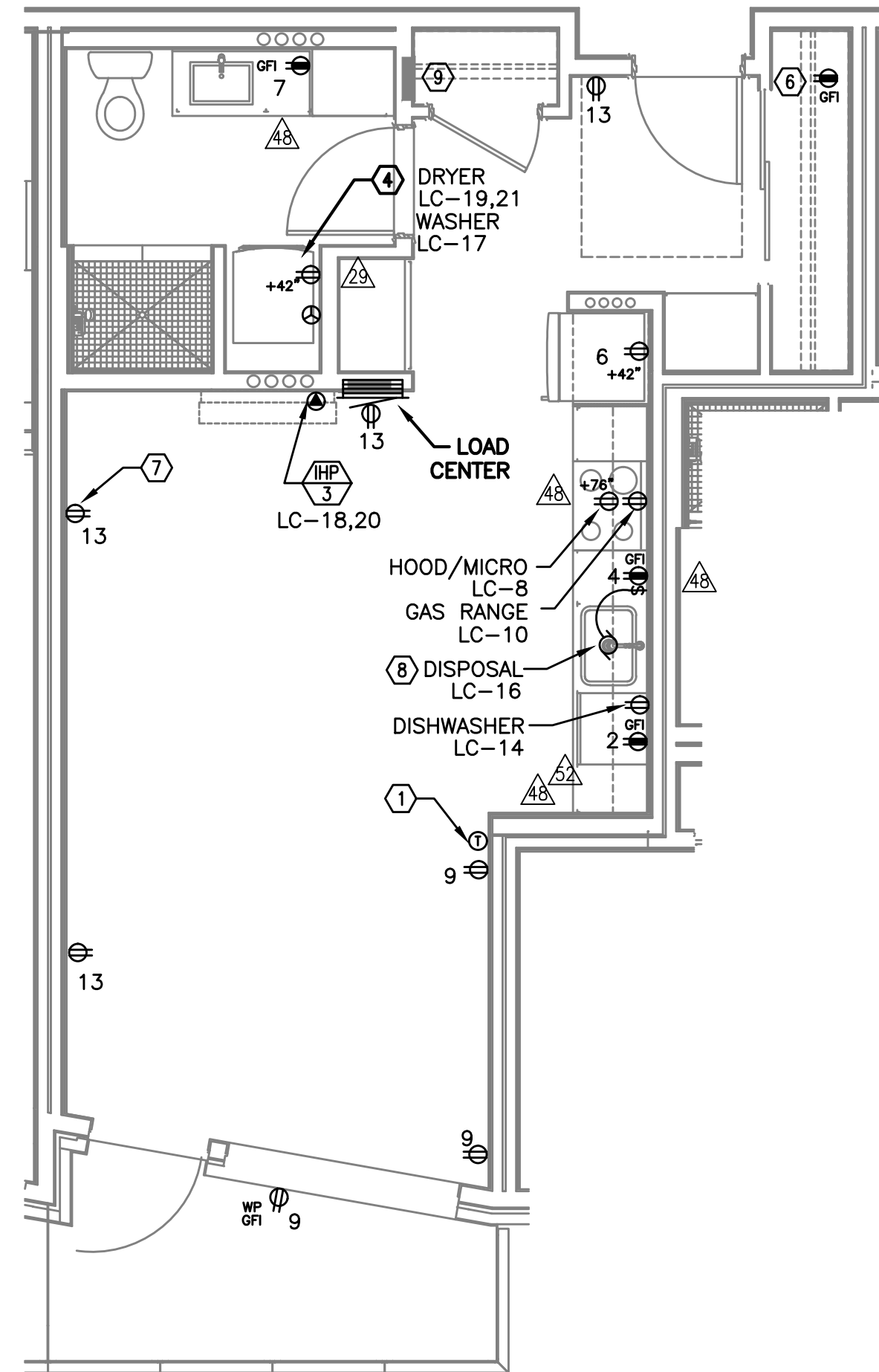
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1 UNIT TYPE 'S' - POWER
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1 UNIT TYPE 'T' - POWER
E4.18 SCALE: 1/4" = 1'-0"

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SHEET:
E4.18