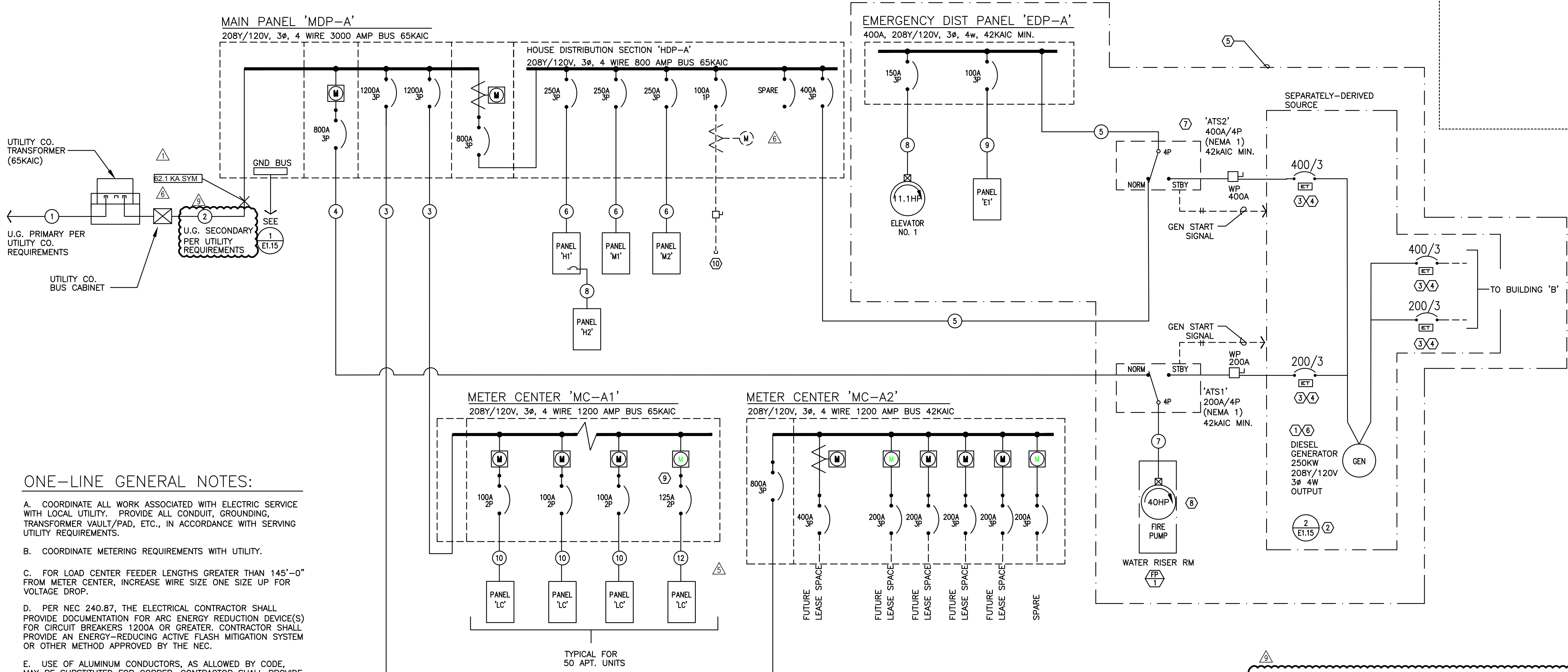




ONE-LINE GENERAL NOTES:

- A. COORDINATE ALL WORK ASSOCIATED WITH ELECTRIC SERVICE WITH LOCAL UTILITY. PROVIDE ALL CONDUIT, GROUNDING, TRANSFORMER VAULT/PAD, ETC., IN ACCORDANCE WITH SERVING UTILITY REQUIREMENTS.
- B. COORDINATE METERING REQUIREMENTS WITH UTILITY.
- C. FOR LOAD CENTER FEEDER LENGTHS GREATER THAN 145'-0" FROM METER CENTER, INCREASE WIRE SIZE ONE SIZE UP FOR VOLTAGE DROP.
- D. PER NEC 240.87, THE ELECTRICAL CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR ARC ENERGY REDUCTION DEVICE(S) FOR CIRCUIT BREAKERS 1200A OR GREATER. CONTRACTOR SHALL PROVIDE AN ENERGY-REDUCING ACTIVE FLASH MITIGATION SYSTEM OR OTHER METHOD APPROVED BY THE NEC.
- E. USE OF ALUMINUM CONDUCTORS, AS ALLOWED BY CODE, MAY BE SUBSTITUTED FOR COPPER. CONTRACTOR SHALL PROVIDE WRITTEN SUBSTITUTION REQUEST DEMONSTRATING THE THAT THE PROPOSED PRODUCT IS EQUIVALENT TO COPPER IN ALL ASPECTS.
- F. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

ONE-LINE NOTES:

1. ESTIMATED GENERATOR STARTING LOAD IS BASED ON THE ELEVATOR & FIRE PUMP MOTORS BEING PROVIDED WITH REDUCED STARTING.
2. PROVIDE GROUND FOR SEPARATELY DERIVED SYSTEM PER NEC.
3. PROVIDE ELECTRONIC TRIP CIRCUIT BREAKER. EXACT BREAKER TYPE, SETTINGS, ETC. TO BE VERIFIED AND AS DETERMINED BY SELECTIVE COORDINATION STUDY AS PERFORMED BY THE ELECTRICAL DISTRIBUTION EQUIPMENT MANUFACTURER.
4. COORDINATE INSTALLATION OF OUTPUT BREAKERS WITH GENERATOR MANUFACTURER TO SELECTIVELY COORDINATE WITH POWER STUDY RECOMMENDATIONS.
5. "LIFE SAFETY" BRANCH TO MEET ALL REQUIREMENTS OF NEC 700. CONTRACTOR SHALL BE AWARE THAT MFIA HAS ATTEMPTED TO INDICATE EQUIPMENT AND SIZES THAT WILL SELECTIVELY COORDINATE, BUT WILL NOT BE KNOWN UNTIL ELECTRICAL EQUIPMENT MANUFACTURER PERFORMS THE REQUIRED POWER STUDIES AS SPECIFIED IN 26 05 73. CHANGES MAY BE NECESSARY AFTER THE BID.
6. GENERATOR IS SIZED TO OPERATE ONLY ONE ELEVATOR AT A TIME. COORDINATE WITH ELEVATOR & GENERATOR PROVIDERS FOR AUTOMATIC SEQUENTIAL OPERATION AS REQUIRED UNDER ASME A17.1, SECTION 2.27.2.1 THROUGH 2.27.2.5.
7. THE AUTOMATIC TRANSFER SWITCH FOR THE EMERGENCY PANEL "EDP" SHALL OPERATE SUCH THAT THE EGRESS LOADS ARE SWITCHED TO GENERATOR POWER WITHIN 10 SECONDS AND THE ELEVATOR(S) SWITCHED WITHIN 60 SECONDS OF A POWER FAILURE.
8. CONSULT MECHANICAL, PLUMBING AND/OR FIRE ALARM PLANS AND VERIFY EXACT POWER REQUIREMENTS FOR THE FIRE PUMP.
9. TWO BEDROOM APARTMENT UNITS SHALL HAVE 125A LOAD CENTERS. REFER TO THE TYPICAL DWELLING UNIT CALCULATIONS ON SHEET E1.17 FOR MORE INFORMATION.
10. PROVIDE BREAKER AND DISCONNECT SWITCH FOR FUTURE PV SOLAR SYSTEM TO BE PROVIDED AND INSTALLED BY OTHERS.

BUILDING 'A'
ELECTRICAL ONE-LINE DIAGRAM
1
E1.11
208/120V, 3Ø, 4W

FEEDER SCHEDULE (COPPER)				
NO.	AMPS	CONDUIT	CONDUCTOR	
1		*4"	PER UTILITY CO.	& (1) GND
2	3000A	*(8) 4"	ea. w/ (4) #500 CFM	& (1) #3/0 GND
3	1200A	*(3) 4"	ea w/ (4) #600Kcmil	& (1) #3/0 GND
4	800A	*(2) 4"	ea w/ (4) #600Kcmil	& (1) #1/0 GND
5	400A	3 1/2"	(4) #500Kcmil	& (1) #3 GND
6	250A	2 1/2"	(4) #250Kcmil	& (1) #4 GND
7	200A	2"	(4) #3/0	& (1) #6 GND
8	150A	2"	(4) #1/0	& (1) #6 GND
9	100A	1 1/2"	(4) #1	& (1) #8 GND
10	100A	1 1/2"	(3) #1	& (1) #8 GND
11	60A	1 1/4"	(4) #4	& (1) #10 GND
12	125A	1 1/2"	(3) #1	& (1) #6 GND

* PARALLEL FEEDERS PER UTILITY PROVIDER'S DIRECTION.

NOTES:

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

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

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

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

FEEDER SCHEDULE (ALUMINUM)				
NO.	AMPS	CONDUIT	CONDUCTOR	
1		*4"	PER UTILITY CO.	& (1) GND
2	3000A	*(8) 4"	ea. w/ (4) #600 MCM	& (1) #3/0 GND
3	1200A	*(3) 3 1/2"	ea w/ (4) #600 MCM	& (1) #1/0 GND
4	800A	*(2) 3 1/2"	ea w/ (4) #600 MCM	& (1) #1/0 GND
5	400A	3 1/2"	(4) #500 MCM	& (1) #2 GND
6	250A	2 1/2"	(4) #250 MCM	& (1) #4 GND
7	200A	2"	(4) #3/0	& (1) #6 GND
8	150A	2"	(4) #1/0	& (1) #6 GND
9	100A	1 1/4"	(4) #2	& (1) #8 GND
10	100A	1 1/4"	(3) #2	& (1) #8 GND
11	60A	1"	(3) #6	& (1) #10 GND
12	125A	1 1/2"	(3) #1	& (1) #6 GND

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EXPIRES: July 5th, 2020

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SIGNED AND SEALED DOCUMENTS SHALL GOVERN.

PROJECT # 2017-053
DATE: 11/06/2019

REVISIONS

- △ PLAN REVIEW 01.24.2020
- △ PLAN REVIEW 03.13.2020
- △ PLAN REVIEW 04.24.2020
- △ PLAN REVIEW 08.10.2020
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- △ PLAN REVIEW 03.26.2021

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

MFIA PANEL SCHEDULE											
panel			mounting SURFACE		location BLDG 'A'				connected load amps		
E1			voltage		2nd Flr Rm 294				53		
120/208V			phase		bus & main				calculated load amps		
service			3		100A SCOR: 22K MLO				57		
va	a/p	no.	a	b	c	no.	a/p	va	service		
SPARE	20/1	1	*	*	*	2	20/1	1500	SMOKE DAMPERS - FLR 1	5	
1 LIGHTS - BLDG EXTERIOR	500	20/1	3	*	*	4	20/1	1500	SMOKE DAMPERS - FLR 2&3	5	
1 LIGHTS - FLR 1 EGRESS	542	20/1	5	*	*	6	20/1	1500	SMOKE DAMPERS - FLR 4&5	5	
SPARE	0	20/1	7	*	*	8	20/1	1500	ELEVATOR PIT - LTS & PLUGS	2	
1 LIGHTS - STAIR 1	266	20/1	9	*	*	10	20/1	1500	ELEVATOR CAD LIGHTS	1	
1 LIGHTS - STAIR 2	266	20/1	11	*	*	12	20/1	1500	ELEVATOR CONTROLLER (OPT)	5	
1 LIGHTS - FLR 2 & 3 EGRESS	282	20/1	13	*	*	14	20/1	1176	ELEVATOR RELIEF VENT	6	
1 LIGHTS - FLR 4, 5 & 6 EGRESS	1500	20/1	15	*	*	16	20/1	1176	SP-1 (ELEVATOR PIT)	6	
1 LIGHTS - TERRACE	500	20/1	17	*	*	18	20/1	1500	ELEVATOR SMOKE CURTAINS	5	
5 FAOP	500	20/1	19	*	*	20	20/1	500	EMERGENCY GAS SHUT OFF	5	
5 DAS	500	20/1	21	*	*	22	20/1	500	EMERGENCY GAS SHUT OFF	5	
5 GENERATOR ANNUNCIATOR	500	20/1	23	*	*	24	20/1	0	SPARE		
BLANK						25	*	26	BLANK		
BLANK						27	*	28	BLANK		
BLANK						29	*	30	BLANK		
BLANK						31	*	32	BLANK		
BLANK						33	*	34	BLANK		
BLANK						35	*	36	BLANK		
BLANK						37	*	38	BLANK		
BLANK						39	*	40	BLANK		
BLANK						41	*	42	BLANK		
Phase A 5458 VA Phase B 7442 VA Phase C 6308 VA Total Connected 19208 VA									line-line voltage 208		
load code: ph. A ph. B ph. C total factor									calculated load (va) 0		
1. LIGHTS=	282	3766				1308	VA	5356	1.25		6695
2. RECEPT=	1500	0				0	VA	1500	1 + 0.5		1500
3. HEATING=	0	0				0	VA	0	1.00		0
4. KITCHEN=	0	0				0	VA	0	1.00		0
5. EQUIP=	2500	2500				5000	VA	10000	1.00		10000
6. MOTORS=	1176	1176				0	VA	2352	*		2352
7. MISC=	0	0				0	VA	0	1.00		0
(* 125% of the largest motor + 100% of the balance)										TOTAL =	20547

MFIA PANEL SCHEDULE											
panel			mounting SURFACE		location BLDG 'A'				connected load amps		
H1			voltage		2nd Flr Rm 294				156		
120/208V			phase		bus & main				calculated load amps		
service			3		250A SCOR: 22K MLO				150		
va	a/p	no.	a	b	c	no.	a/p	va	service		
SPARE	20/1	1	*	*	*	2	20/1	1080	RECEPT - FLR 1	2	
1 LIGHTS - SITE/PARKING	500	20/1	3	*	*	4	20/1	900	RECEPT - FLR 1	2	
1 LIGHTS - BLDG EXTERIOR	500	20/1	5	*	*	6	20/1	1080	RECEPT - FLR 1 (E. LOBBY)	2	
1 LIGHTS - FLR 1 (LOBBY DECOR)	814	20/1	7	*	*	8	20/1	1500	RECEPT - FLR 1 (PKG SYSTEM)	2	
1 LIGHTS - FLR 1 (LOBBY & CORRID)	407	20/1	9	*	*	10	20/1	1500	AUTO DOORS	5	
1 LIGHTS - FLR 1 (BOH)	464	20/1	11	*	*	12	20/1	1440	RECEPT - FLR 1	2	
5 BUILDING SIGNS	1500	20/1	13	*	*	14	20/1	360	RECEPT - FLR 1 (ELEV EQ RM)	2	
1 LIGHTS - FLR 2 & 3 (BOH)	566	20/1	15	*	*	16	20/1	720	RECEPT - FLR 1 (W. LOBBY)	2	
5 UNIT ENTRY SYSTEM	1500	20/1	17	*	*	18	20/1	500	PHONE BOARD	5	
SPARE	0	20/1	19	*	*	20	20/1	500	COMMUNICATIONS BOARD	5	
2 RECEPT - FLR 3	1080	20/1	21	*	*	22	20/1	1500	ACCESS CONTROL SYSTEM	5	
2 RECEPT - FLR 3	1080	20/1	23	*	*	24	20/1	500	EH-2 (N. STAIR)	3	
2 RECEPT - MAINT. RM	1500	20/1	25	*	*	26	20/1	500	EH-4 (RISER RM)	3	
2 SECURITY SYSTEM	1500	20/1	27	*	*	28	20/1	500	EH-2 (S. STAIR)	3	
5 DAS SYSTEM	1500	20/1	29	*	*	30	20/1	500	EH-2 (E. VESTIBULE)	3	
2 LEASE D&E (TEMP LTS & PLUGS)	1500	20/1	31	*	*	32	20/1	500	EH-2 (W. VESTIBULE)	3	
2 LEASE B&C (TEMP LTS & PLUGS)	1500	20/1	33	*	*	34	20/1	228	LIGHTS - FLR 2 & 3 (CORRIDOR)	1	
2 LEASE A (TEMP LTS & PLUGS)	1500	20/1	35	*	*	36	20/1	0	SPARE		
7 PANEL H2	7820	150/3	37	*	*	38	20/1	0	SPARE		
7 *	8054	*	39	*	*	40	20/1	0	SPARE		
7 *	7378	*	41	*	*	42	20/1	0	SPARE		
Phase A 16733 VA Phase B 19946 VA Phase C 18292 VA Total Connected 55971 VA									line-line voltage 208		
load code: ph. A ph. B ph. C total factor									calculated load (va) 0		
1. LIGHTS=	1473	1192				2314	VA	4979	1.25		6224
2. RECEPT=	5840	5700				5100	VA	16740	1 + 0.5		13370
3. HEATING=	1000	500				1000	VA	2500	1.00		2500
4. KITCHEN=	0	0				0	VA	0	1.00		0
5. EQUIP=	500	4500				3500	VA	8500	1.00		8500
6. MOTORS=	0	0				0	VA	0	*		0
7. MISC=	7820	8054				7378	VA	23252	1.00		23252
(* 125% of the largest motor + 100% of the balance)										TOTAL =	53846

MFIA PANEL SCHEDULE											
panel			mounting SURFACE		location BLDG 'A'				connected load amps		
M1			voltage		2nd Flr Rm 292				165		
120/208V			phase		bus & main				calculated load amps		
service			3		250A (SCOR: 22K) MLO				165		
va	a/p	no.	a	b	c	no.	a/p	va	service		
6 TRASH COMPACTOR	2100	40/3	1	*	*	2	50/3	3864	BP-1	6	
6 *	2100	*	3	*	*	4	*	3864	*	6	
6 *	2100	*	5	*	*	6	*	3864	*	6	
6 TRASH COOMPACTOR	2100	40/3	7	*	*	8	20/3	1356	FC-1	6	
6 *	2100	*	9	*	*	10	*	1356	*	6	
6 *	2100	*	11	*	*	12	*	1356	*	6	
3 WH-1,2 (GAS)	600	20/1	13	*	*	14	20/2	1500	EH-5 (TRASH RM)	3	
6 RP-1	1176	20/1	15	*	*	16	*	1500	*	3	
SPARE	0	20/1	17	*	*	18	20/2	1500	EH-5 (BIKE RM)	3	
3 EH-3 (TEMP)	1500	20/2	19	*	*	20	*	1500	*	3	
3 *	1500	*	21	*	*	22	20/1	218	EF-3 (TRASH RM)	6	
3 EH-3 (TEMP)	1500	20/2	23	*	*	24	20/1	1500	DRINKING FOUNTAIN	5	
3 *	1500	*	25	*	*	26	20/1	500	IRRIGATION CONTROLS	5	
3 EH-3 (TEMP)	1500	20/2	27	*	*	28	20/1	0	SPARE		
3 *	1500	*	29	*	*	30	20/1	600	WH-3,4 (GAS)	3	
3 EH-3 (TEMP)	1500	20/2	31	*	*	32	20/1	1176	RP-2	3	
3 *	1500	*	33	*	*	34	40/3	*	EV CHARGING STATION (FUTURE)	5	
3 EH-3 (TEMP)	1500	20/2	35	*	*	36	*	*	*	5	
3 *	1500	*	37	*	*	38	*	*	*	5	
3 EH-3 (TEMP)	1500	20/2	39	*	*	40	20/1	1500	BUILDING SIGNS	5	
3 *	1500	*	41	*	*	42	20/1	0	SPARE		
Phase A 20696 VA Phase B 19814 VA Phase C 19020 VA Total Connected 59530 VA									line-line voltage 208		
load code: ph. A ph. B ph. C total factor									calculated load (va) 0		
1. LIGHTS=	0	0				0	VA	0	1.25		0
2. RECEPT=	0	0				0	VA	0	1 + 0.5		0
3. HEATING=	9600	7500				8100	VA	25200	1.00		25200
4. KITCHEN=	0	0				0	VA	0	1.00		0
5. EQUIP=	0	1500				1500	VA	3500	1.00		3500
6. MOTORS=	10596	10614				9420	VA	30830	*		30830
7. MISC=	0	0				0	VA	0	1.00		0
(* 125% of the largest motor + 100% of the balance)										TOTAL =	59530

MFIA PANEL SCHEDULE													
panel			mounting		location: BLDG 'A'				connected load amps				
H2			SURFACE		5th Flr Rm 594				65				
voltage			phase		bus & main				calculated load amps				
120/208V			3		150A SCOR: 22K MLO				58				
C	service	va	a/p	o/p	a	b	c	a/p	o/p	va	service	C	
1	LIGHTS – FLR 4, 5, & 6	650	20/1	1	*		2	20/1	1080	RECEPT – 4TH FLR		2	
1	LIGHTS – COMMUNITY RM	1000	20/1	3	*	*	4	20/1	1080	RECEPT – 5TH FLR		2	
	SPARE		20/1	5	*	*	6	20/1	1300	RECEPT – COMMUNITY RM		2	
1	LIGHTS – TERRACE	500	20/1	7	*	*	8	20/1	450	RECEPT – COMMUNITY RM		2	
2	RECEPT – TERRACE	1080	20/1	9	*	*	10	20/1	500	RECEPT – COMMUNITY RM		2	
2	RECEPT – TERRACE	1260	20/1	11	*	*	12	20/1	1200	RECEPT – COMMUNITY RM		2	
2	RECEPT – TERRACE	1260	20/1	13	*	*	14	20/1	1500	RECEPT – COMMUNITY RM		2	
5	A/V SYSTEM	1500	20/1	15	*	*	16	20/1	1650	RECEPT – COMMUNITY RM		2	
2	RECEPT – ROOF	1080	20/1	17	*	*	18	20/1	360	RECEPT – COMMUNITY RM		2	
	SPARE		0	20/1	19	*	*	20	20/1	1080	RECEPT – COMMUNITY RM		2
5	LANDSCAPE LIGHTING	524	20/1	21	*	*	22	20/1	720	RECEPT – COMMUNITY RM		2	
5	LANDSCAPE LIGHTING	1950	20/1	23	*	*	24	20/1	228	LIGHTS – FLR 4 & 5 (CORRIDOR)		1	
5	LANDSCAPE LIGHTING	1300	20/1	25	*	*	26	20/1	0	SPARE			
	SPARE		0	20/1	27	*	*	28	20/1	0	SPARE		
	BLANK				29	*	30			BLANK			
	BLANK				31	*	32			BLANK			
	BLANK				33	*	34			BLANK			
	BLANK				35	*	36			BLANK			
	BLANK				37	*	38			BLANK			
	BLANK				39	*	40			BLANK			
	BLANK				41	*	42			BLANK			
NOTES:													
Phase A		7820	VA		line–line voltage								
Phase B		8054	VA										
Phase C		7378	VA										
Total Connected		23252	VA		largest motor (va)						0		
load code:		ph. A	ph. B		ph. C		total		factor		calculated load (va)		
1. LIGHTS=		1150	1000		228		VA		2378		1.25		
2. RECEPT.=		5370	5030		5200		VA		15600		1 + 0.5		
3. HEATING=		0	0		0		VA		0		1.00		
4. KITCHEN=		0	0		0		VA		0		1.00		
5. EQUIP.=		1300	2024		1950		VA		5274		1.00		
6. MOTORS=		0	0		0		VA		0		*		
7. MISCO=		0	0		0		VA		0		1.00		
(* 125% of the largest motor + 100% of the balance)										TOTAL =		21047	



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AEGIS

MIXED-USE DEVELOPMENT

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SHEET:

E1.16

MFIA PANEL SCHEDULE											
panel	mounting	location BLDG 'B'				connected load amps					
E1	SURFACE	2nd Flr Rm 292				56					
voltage	phase	bus & main				calculated load amps					
120/208V	3	100A (SCCR: 22K) MLO				59					
service	va	a/p	no.	a b c	a/p	va	service	va	a/p	no.	service
SPARE	0	20/1	1	*	2	20/1	1500 SMOKE DAMPERS - FLR 1 & 2	5	20/1	1	1500 SMOKE DAMPERS - FLR 3 & 4
1 LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	1500 SMOKE DAMPERS - FLR 5 & 6	5	20/1	1	1500 ELEVATOR PIT LITS & PLUGS
1 LIGHTS - STAIR 1	500	20/1	5	*	6	20/1	1500 ELEVATOR CAD LIGHTS	1	20/1	1	1500 ELEVATOR CONTROLLER (OPT)
1 LIGHTS - STAIR 2	500	20/1	7	*	8	20/1	1176 ELEVATOR RELIEF VENT	6	20/1	1	1176 SP-1 (ELEVATOR PIT)
1 LIGHTS - FLR 1	673	20/1	9	*	10	20/1	500 GENERATOR BLOCK HEATER	3	20/1	1	500 GENERATOR BATTERY CHARGER
1 LIGHTS - FLR 2 & 3	424	20/1	11	*	12	20/1	0 SPARE	0	20/1	1	0 SPARE
1 LIGHTS - FLR 4 & 5	424	20/1	13	*	14	20/1	0 SPARE	0	20/1	1	0 SPARE
1 LIGHTS - FLR 6	212	20/1	15	*	16	20/1	0 SPARE	0	20/1	1	0 SPARE
5 SMOKE CURTAIN	1500	20/1	17	*	18	20/1	0 SPARE	0	20/1	1	0 SPARE
5 SMOKE CURTAIN	1500	20/1	19	*	20	20/1	0 SPARE	0	20/1	1	0 SPARE
SPARE	0	20/1	21	*	22	20/1	0 SPARE	0	20/1	1	0 SPARE
5 FACP	500	20/1	23	*	24	20/1	0 SPARE	0	20/1	1	0 SPARE
5 DAS	500	20/1	25	*	26	20/1	0 SPARE	0	20/1	1	0 SPARE
5 GENERATOR ANNUNCIATOR	500	20/1	27	*	28	20/1	0 SPARE	0	20/1	1	0 SPARE
BLANK			29	*	30		BLANK				BLANK
BLANK			31	*	32		BLANK				BLANK
BLANK			33	*	34		BLANK				BLANK
BLANK			35	*	36		BLANK				BLANK
BLANK			37	*	38		BLANK				BLANK
BLANK			39	*	40		BLANK				BLANK
BLANK			41	*	42		BLANK				BLANK
Phase A	7600 VA	NOTES:				line-line voltage					
Phase B	6061 VA					208					
Phase C	6424 VA					largest motor (va)					
Total Connected	20085 VA					0					
load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)					
1. LIGHTS=	924	2885	924	VA	4733	1.25	5916				
2. RECEPT=	1500	0	0	VA	1500	1 + 0.5	1500				
3. HEATING=	0	0	500	VA	500	1.00	500				
4. KITCHEN=	0	0	0	VA	0	1.00	0				
5. EQUIP.=	4000	2000	5000	VA	11000	1.00	11000				
6. MOTORS=	1176	1176	0	VA	2352	*	2352				
7. MISC=	0	0	0	VA	0	1.00	0				
(* 125% of the largest motor + 100% of the balance)					TOTAL =		21268				

MFIA PANEL SCHEDULE											
panel	mounting	location BLDG 'B'				connected load amps					
H1	SURFACE	FLR 1 RM 198				122					
voltage	phase	bus & main				calculated load amps					
120/208V	3	250A (SCCR: 22K) MLO				108					
service	va	a/p	no.	a b c	a/p	va	service	va	a/p	no.	service
1 LIGHTS - SITE/PARKING	1440	20/1	1	*	2	20/1	900 RECEPT - FLR 1	2	20/1	1	900 RECEPT - FLR 1 (E. LOBBY)
1 LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	1500 RECEPT - FLR 1 (OFFICE)	2	20/1	1	1500 RECEPT - FLR 1 (PKG SYSTEM)
1 LIGHTS - FLR 1 (LOBBY)	1032	20/1	5	*	6	20/1	1080 RECEPT - FLR 1	2	20/1	1	1080 RECEPT - FLR 1 (W. LOBBY)
1 LIGHTS - FLR 1 (CORRIDOR)	241	20/1	7	*	8	20/1	1500 RECEPT - FLR 1 (FITNESS)	2	20/1	1	1500 RECEPT - FLR 1 (FITNESS)
1 LIGHTS - FLR 1 (BOH)	1169	20/1	9	*	10	20/1	0 SPARE	0	20/1	1	0 SPARE
1 LIGHTS - UNIT ENTRIES	500	20/1	11	*	12	20/1	1500 BUILDING SIGNS	5	20/1	1	1500 DRINKING FOUNTAIN
1 LIGHTS - FLR 2 & 3 (BOH)	688	20/1	13	*	14	20/1	0 SPARE	0	20/1	1	0 SPARE
1 LIGHTS - FLR 2 & 3 (CORRIDOR)	370	20/1	15	*	16	20/1	0 SPARE	0	20/1	1	0 SPARE
SPARE	0	20/1	17	*	18	20/1	0 SPARE	0	20/1	1	0 SPARE
5 UNIT ENTRY SYSTEM	1500	20/1	19	*	20	20/1	1500 RECEPT - MAINT. RM	2	20/1	1	1500 RECEPT - SECURITY
2 RECEPT - FLR 2	1080	20/1	21	*	22	20/1	1500 WALL FANS - FITNESS RM	5	20/1	1	1500 WALL FANS - FITNESS RM
2 RECEPT - FLR 3	1080	20/1	23	*	24	20/1	1500 RECEPT - FITNESS	2	20/1	1	1500 RECEPT - FITNESS
3 EH-2 (N. STAIR)	500	20/1	25	*	26	20/1	1500 RECEPT - FITNESS	2	20/1	1	1500 RECEPT - FITNESS
3 EH-2 (S. STAIR)	500	20/1	27	*	28	20/1	0 SPARE	0	20/1	1	0 SPARE
3 EH-4 (RISER)	500	20/1	29	*	30	20/1	0 SPARE	0	20/1	1	0 SPARE
5 A/V SYSTEM	1500	20/1	31	*	32	20/1	0 SPARE	0	20/1	1	0 SPARE
5 FIREPLACE	500	20/1	33	*	34	20/1	0 SPARE	0	20/1	1	0 SPARE
1 LTS & PLUGS (TEMP)	1500	20/1	35	*	36	20/1	0 SPARE	0	20/1	1	0 SPARE
5 DAS SYSTEM	1500	20/1	37	*	38	20/1	0 SPARE	0	20/1	1	0 SPARE
2 RECEPT - FITNESS	1500	20/1	39	*	40	20/1	0 SPARE	0	20/1	1	0 SPARE
2 RECEPT - FITNESS	1500	20/1	41	*	42	20/1	0 SPARE	0	20/1	1	0 SPARE
Phase A	17039 VA	NOTES:				line-line voltage					
Phase B	12099 VA					208					
Phase C	14692 VA					largest motor (va)					
Total Connected	43830 VA					0					
load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)					
1. LIGHTS=	2379	2039	3032	VA	7450	1.25	9313				
2. RECEPT=	6660	9060	8160	VA	23880	1 + 0.5	16940				
3. HEATING=	500	500	500	VA	1500	1.00	1500				
4. KITCHEN=	0	0	0	VA	0	1.00	0				
5. EQUIP.=	7500	500	3000	VA	11000	1.00	11000				
6. MOTORS=	0	0	0	VA	0	*	0				
7. MISC=	0	0	0	VA	0	1.00	0				
(* 125% of the largest motor + 100% of the balance)					TOTAL =		38753				

MFIA PANEL SCHEDULE											
panel M1		mounting SURFACE		location BLDG 'B' ELECT. RM 198				connected load amps			
voltage 120/208V		phase 3		bus & main (SCCR: 22K) MLO				calculated load amps			
		250A						170			
C	service	va	a/p	no.	a	b	c	a/p	va	service	C
6	TRASH COMPACTOR	2100	40/3	1	*		2	50/3	3864	BP-1	6
6	*	2100	*	3	*	*	4	*	3864	*	6
6	*	2100	*	5	*	*	6	*	3864	*	6
6	TRASH COMPACTOR	2100	40/3	7	*		8	20/3	1356	FC-1	6
6	*	2100	*	9	*	*	10	*	1356	*	6
6	*	2100	*	11	*	*	12	*	1356	*	6
3	WH-1.2 (GAS)	600	20/1	13	*		14	20/1	600	WH-3.4 (GAS)	3
6	RP-1	1176	20/1	15	*		16	20/1	1176	RP-2	6
5	EV CHARGING (FUTURE)		40/2	17	*		18	20/1	ELECTRICAL CONTROLS		5
5	*	*	*	19	*		20	20/1	1500 AUTO DOORS		5
5	*	*	*	21	*		22	20/1	1000 PHONE & COMM BOARDS		5
5	EV CHARGING (FUTURE)		40/2	23	*		24	20/1	500 ACCESS CONTROL		5
5	*	*	*	25	*		26	20/3	1500 EH-5 (BIKE RM)		3
5	*	*	*	27	*		28	*	1500 *		3
5	EV CHARGING (FUTURE)		40/2	29	*		30	*	1500 *		3
5	*	*	*	31	*		32	20/3	1500 EH-5 (TRASH RM)		3
5	*	*	*	33	*		34	*	1500 *		3
3	SF-1	6085	60/2	35	*		36	*	1500 *		3
3	*	6085	*	37	*		38	20/1	135 EF-4		6
3	EH-3 (TEMP)	1500	20/2	39	*		40	20/1	1500 BUILDING SIGNS		5
3	*	1500	*	41	*		42	20/1	0 SPARE		5
Phase A		21340 VA		NOTES:				line-line voltage			
Phase B		18772 VA						208			
Phase C		21005 VA						largest motor (va)			
Total Connected		61117 VA						0			
load code:		ph. A	ph. B	ph. C		total		factor		calculated load (va)	
1. LIGHTS=		0		0		VA		0		1.25	
2. RECEPT.=		0		0		VA		0		1 + 0.5	
3. HEATING=		10285		4500		10585		VA		25370 1.00	
4. KITCHEN=		0		0		0		VA		0 1.00	
5. EQUIP.=		1500		2500		1000		VA		5000 1.00	
6. MOTORS=		9555		11772		9420		VA		30747 * 1.00	
7. MISCE=		0		0		0		VA		0 1.00	
(* 125% of the largest motor + 100% of the balance)								Total =		61117	

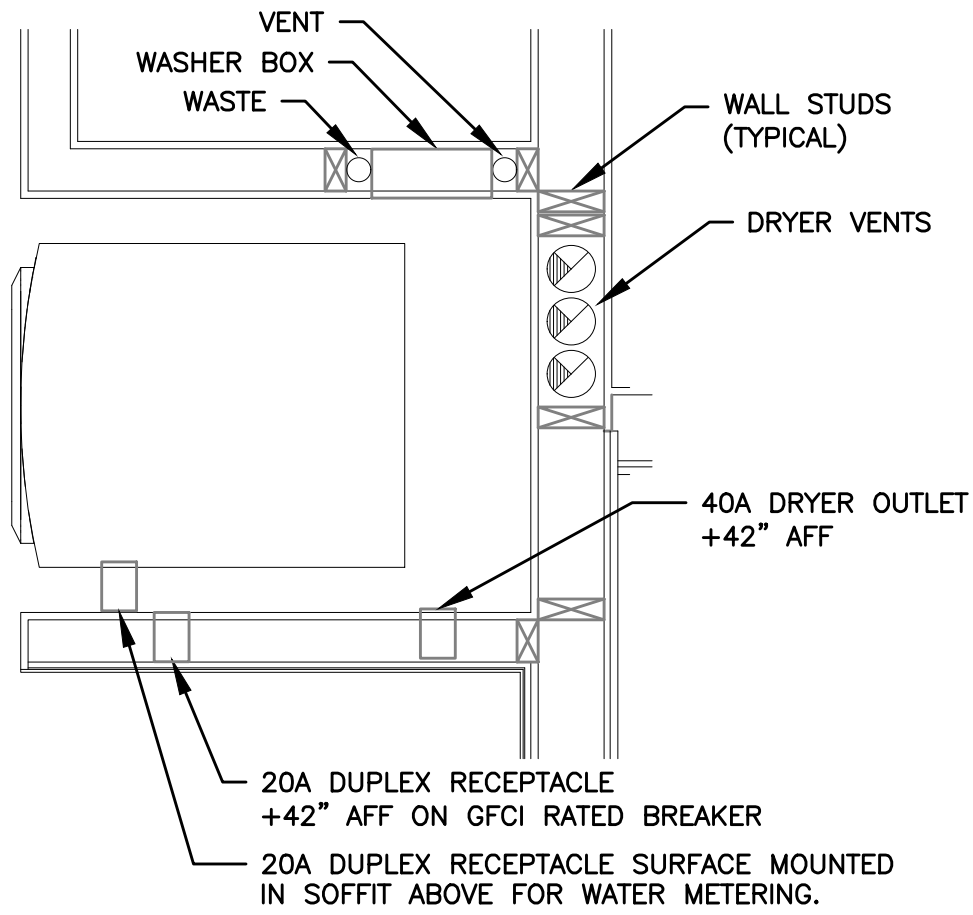
DWELLING UNIT LOAD CALCULATION		
Project:	Aegis I	
Unit Type:	Studio	
Area:	540 square feet(average)	
Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	1,820	VA
Small Appliance load (2 ckt at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	8,000	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	21,220	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	4,488	VA
Net "general load"	14,488	VA
Largest of:		
-or-	0	VA
-or-	2,500	VA
VA of electric space heating (less than 4) at 65%	0	VA
VA of electric space heating (4 or more) at 40%	0	VA
VA of air conditioning/cooling/heat pumps at 100%	2,500	VA
TOTAL LOAD	16,988	VA
For 120/208-volt, 4-wire, three-phase service or feeder,		
16,988 VA / 208 volts =	82	Amps
Therefore, this dwelling unit shall be permitted to be served by a _____ amp service.		

16-Sep-20

Loadcenter Name LC-STUDIO (TYPICAL)		MFIA CIRCUIT DIRECTORY					
		mounting			location		
		RECESSED					
voltage 208/120		phase 1		bus & main 100A MLO		(SCCR: 22K)	
service	a/p	no.	L1	L2	no.	a/p	service
LIGHTS-KITCHEN/LIVING	15/1(A)	1	*	2	20/1(A)	APPLIANCE CIRCUIT	
LTS & RECEPT - BATH	15/1	3	*	4	20/1(A)	APPLIANCE CIRCUIT	
RECEPT - LIVING	15/1(A)	5	*	6	20/1	REFRIGERATOR	
RECEPT - LIVING	15/1(A)	7	*	8	20/1	MICRO/HOOD	
SPARE	15/1(A)	9	*	10	20/1	RANGE (GAS)	
SPARE	15/1(A)	11	*	12	20/1	SPARE	
WASHER	20/1(G)	13	*	14	20/1	DISHWASHER (WHERE USED)	
DRYER	40/2	15	*	16	20/1	DISPOSAL	
	*	17	*	18	20/2	HEAT	
DRYER BOOSTER (OPT)	20/1	19	*	20	*	*	
WATER METER	20/1	21	*	22	20/2	HEAT (WHERE USED)	
SMART PANEL	20/1	23	*	24	*	*	
BLANK	-----	25	*	26	20/1	SPARE	
BLANK	-----	27	*	28	-----	BLANK	
BLANK	-----	29	*	30	-----	BLANK	

NOTES:

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



NOTES:

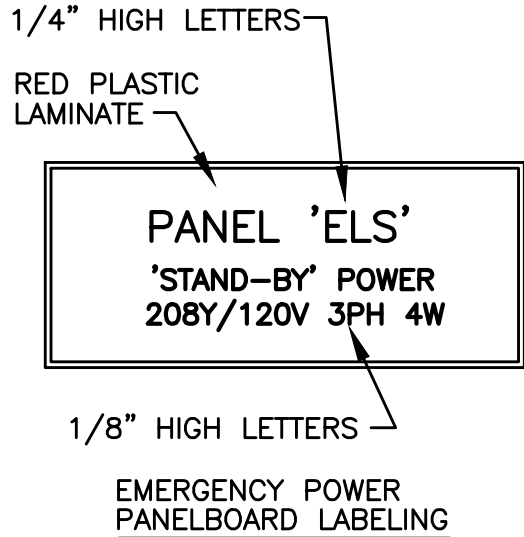
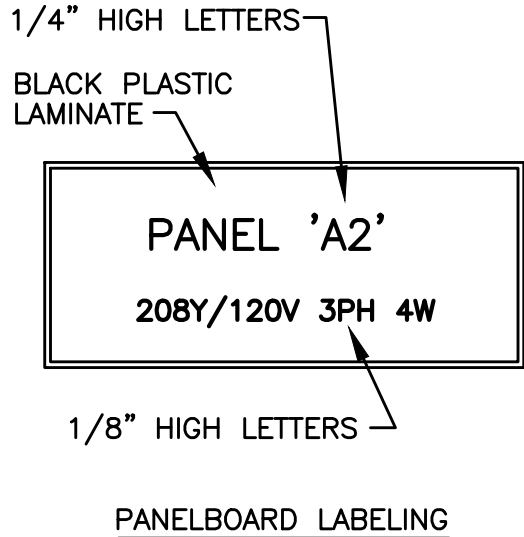
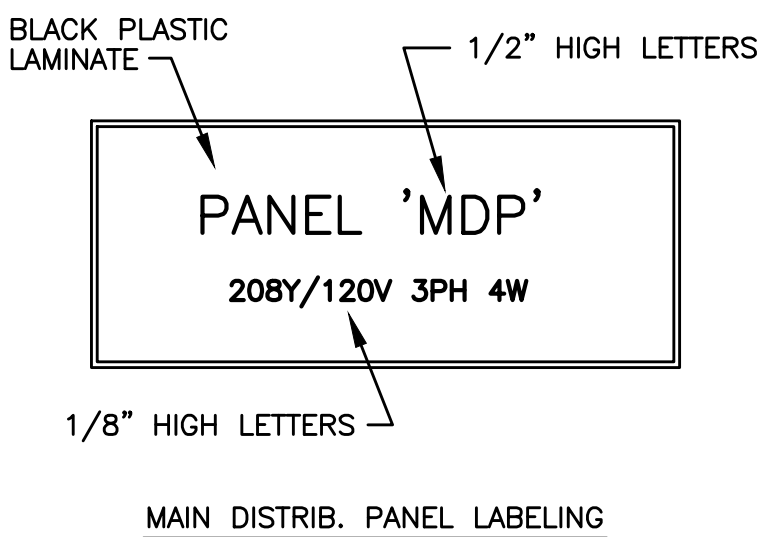
1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH IN, TO ENSURE THAT ELECTRICAL DEVICES ARE NOT INSTALLED WHERE THEY WILL CREATE CONFLICT.
2. PREFERRED INSTALLATION SHALL HAVE THE ELECTRICAL DEVICES ON A WALL OPPOSITE THE WORK OF ANY OTHER TRADE.
3. COORDINATE WITH WATER METER INSTALLER FOR EXACT LOCATION OF DUPLEX RECEPTACLE, WHERE REQUIRED.
4. FIELD COORDINATE WITH ALL TRADES PRIOR TO ROUGH IN.

2
E1.17
TYPICAL WASHER/DRYER ALCOVE
NO SCALE

DWELLING UNIT LOAD CALCULATION		
Project:	Aegis I	
Unit Type:	1Bedroom	
Area:	750 square feet(average)	
Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	2,250	VA
Small Appliance load (2 ckt at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	8,000	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	21,850	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	4,740	VA
Net "general load"	14,740	VA
Largest of:		
-or-	1,500	VA
-or-	3,200	VA
VA of electric space heating (less than 4) at 65%	975	VA
VA of electric space heating (4 or more) at 40%	0	VA
VA of air conditioning/cooling/heat pumps at 100%	3,200	VA
TOTAL LOAD	18,915	VA
For 120/208-volt, 4-wire, three-phase service or feeder,		
18,915 VA / 208 volts =	91	Amps
Therefore, this dwelling unit shall be permitted to be served by a _____ amp service.		

16-Sep-20

MFIA CIRCUIT DIRECTORY													
Loadcenter Name		mounting		location									
LC-1BR (TYPICAL)		RECESSED											
voltage		phase		bus & main									
208/120		1		100A MLO		(SCCR: 22K)							
service		o/p		no.		L1		L2		o/p		service	
LIGHTS-KITCHEN/LIVING		15/1(A)		1		*		2		20/1(A)		APPLIANCE CIRCUIT	
LTS & RECEPT - BATH		15/1		3		*		4		20/1(A)		APPLIANCE CIRCUIT	
LTS & RECEPT - BEDROOM		15/1(A)		5		*		6		20/1		REFRIGERATOR	
RECEPT - LIVING		15/1(A)		7		*		8		20/1		MICRO/HOOD	
SPARE		15/1(A)		9		*		10		20/1		RANGE (GAS)	
SPARE		15/1(A)		11		*		12		20/1		SPARE	
WASHER		20/1(G)		13		*		14		20/1		DISHWASHER (WHERE USED)	
DRYER		40/2		15		*		16		20/1		DISPOSAL	
*		*		17		*		18		20/2		HEAT	
WATER METER		20/1		19		*		20		*		*	
DRYER BOOSTER (OPT)		20/1		21		*		22		20/2		HEAT	
SMART PANEL		20/1		23		*		24		*		*	
BLANK		-----		25		*		26		-----		BLANK	
BLANK		-----		27		*		28		-----		BLANK	
BLANK		-----		29		*		30		-----		BLANK	
NOTES:													
1. (A) DENOTES: ARC-FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12													
2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".													
3. BREAKER & WIRE SHALL BE SIZED FOR EQUIPMENT INSTALLED.													
4. (G) DENOTES GFCI RATED BREAKER.													
5. 15A CIRCUIT BREAKERS (14AGW) SHALL BE ALLOWED AS REQUIRED BY CODE.													



3
E1.17
SWITCHBOARD/PANEL LABELING DETAIL
NO SCALE
NOTE: ALL LETTERS ARE ENGRAVED WHITE

DWELLING UNIT LOAD CALCULATION		
Project:	Aegis I	
Unit Type:	2Bedroom	
Area:	985 square feet(average)	
Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	2,955	VA
Small Appliance load (2 ckt at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	8,000	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	22,555	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	5,022	VA
Net "general load"	15,022	VA
Largest of:		
-or-	0	VA
-or-	8,750	VA
VA of electric space heating (less than 4) at 65%	0	VA
VA of electric space heating (4 or more) at 40%	0	VA
VA of air conditioning/cooling/heat pumps at 100%	8,750	VA
TOTAL LOAD	23,772	VA
For 120/208-volt, 4-wire, three-phase service or feeder,		
23,772 VA / 208 volts =	114	Amps
Therefore, this dwelling unit shall be permitted to be served by a _____ amp service.		

16-Sep-20

Loadcenter Name LC-2BR (TYPICAL)		MFIA CIRCUIT DIRECTORY mounting		location	
voltage 208/120		RECESSED			
service	phase	1		bus & main 125A MLO	(SCCR: 22K)
	a/p	no.	L1	L2	a/p
LIGHTS-KITCHEN/LIVING	15/1(A)	1	*	2	20/1(A) APPLIANCE CIRCUIT
LTS & RECEPT - BATH	15/1	3	*	4	20/1(A) APPLIANCE CIRCUIT
RECEPT - LIVING	15/1(A)	5	*	6	20/1 REFRIGERATOR
RECEPT - LIVING	15/1(A)	7	*	8	20/1 MICRO/HOOD
LTS & RECEPT - BEDROOM	15/1(A)	9	*	10	20/1 RANGE (GAS)
LTS & RECEPT - BEDROOM	15/1(A)	11	*	12	20/1 DISHWASHER
WASHER	20/1(G)	13	*	14	20/1 DISPOSAL
DRYER	40/2	15	*	16	50/2 HEAT
		*	*	17	*
DRYER BOOSTER (OPT)	20/1	19	*	20	20/2 HEAT (WHERE USED)
WATER METER (OPT)	15/1	21	*	22	*
SMART PANEL	20/1	23	*	24	20/2 HEAT (WHERE USED)
BLANK	-----	25	*	26	*
BLANK	-----	27	*	28	----- BLANK
BLANK	-----	29	*	30	----- BLANK

NOTES:

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

TYPICAL RESIDENTIAL UNIT
LOAD SUMMARY &
LOAD CENTER SCHEDULES

1
E1.17
SCALE: NONE

STUDIO
3
ARCHITECTURE
INCORPORATED

275 COURT ST. NE
SALEM, OR 97301-3442
P: 503.390.6500
www.studio3architecture.com

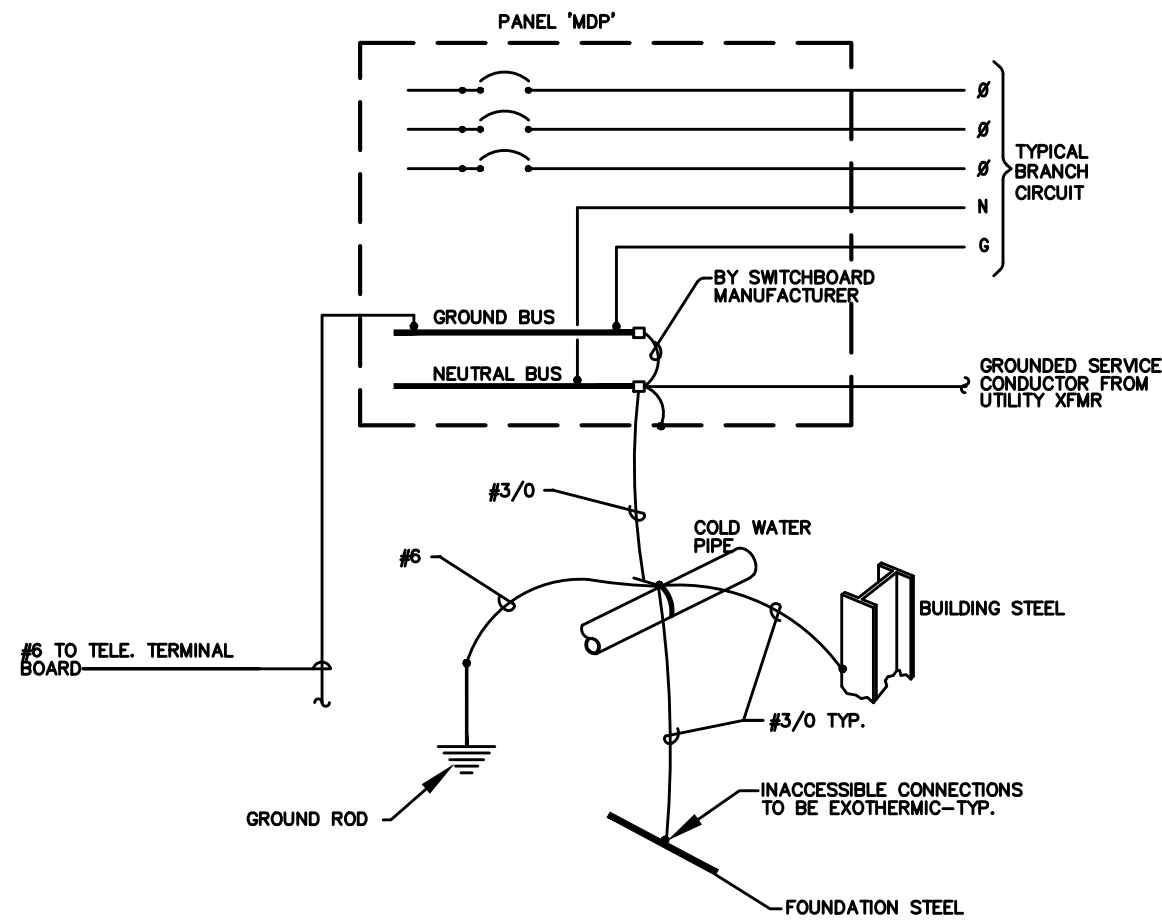
ROBERT L. COMBIE
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
50668
EXPIRES: July 5th, 2020

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.

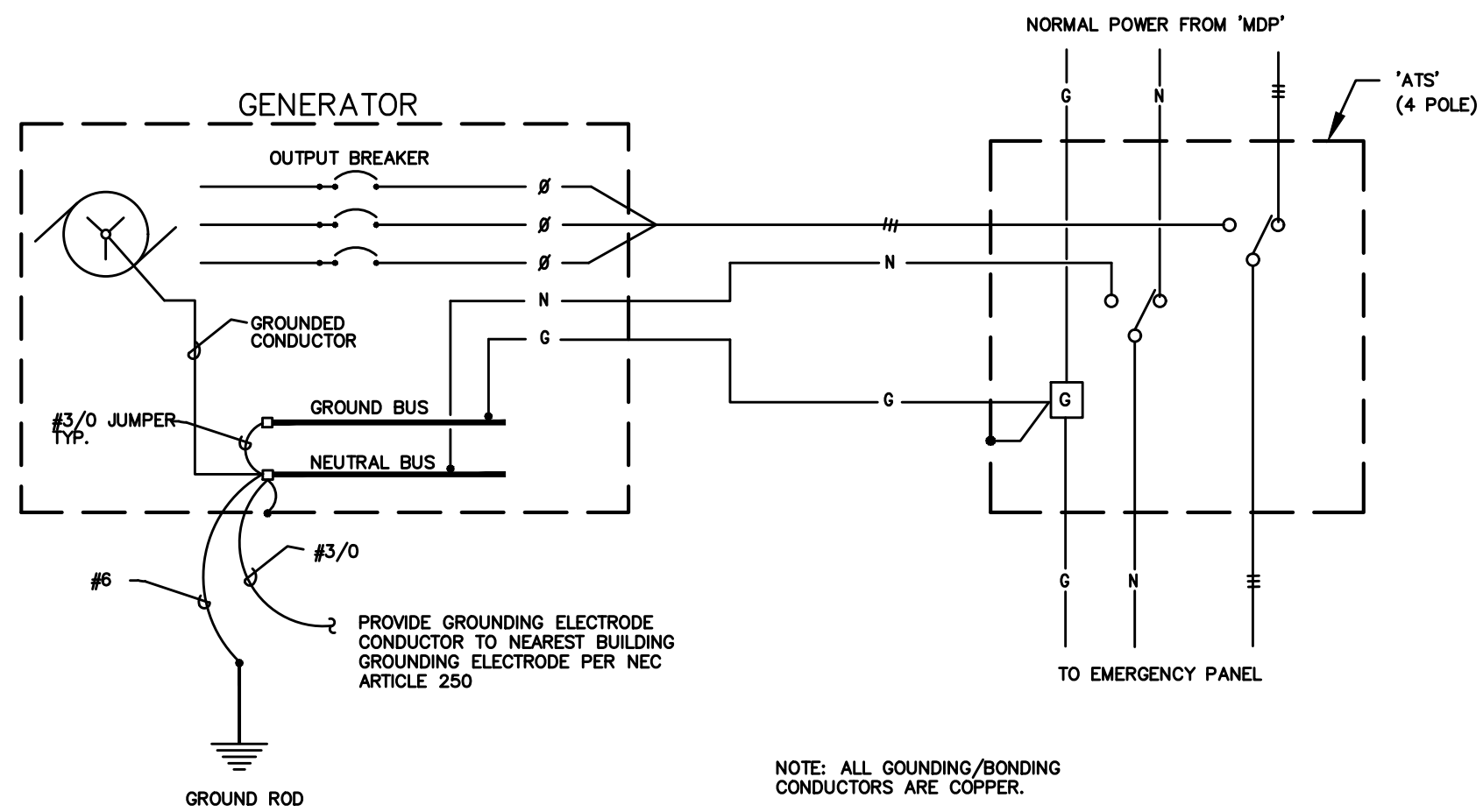
PROJECT # 2017-053
DATE: 11/06/2019

REVISIONS
PLAN REVIEW 01.24.2020
PLAN REVIEW 03.13.2020
PLAN REVIEW 04.24.2020
PLAN REVIEW 08.10.2020
PLAN REVIEW 09.17.2020
PLAN REVIEW 10.16.2020
PLAN REVIEW 11.25.2020
PLAN REVIEW 03.26.2021

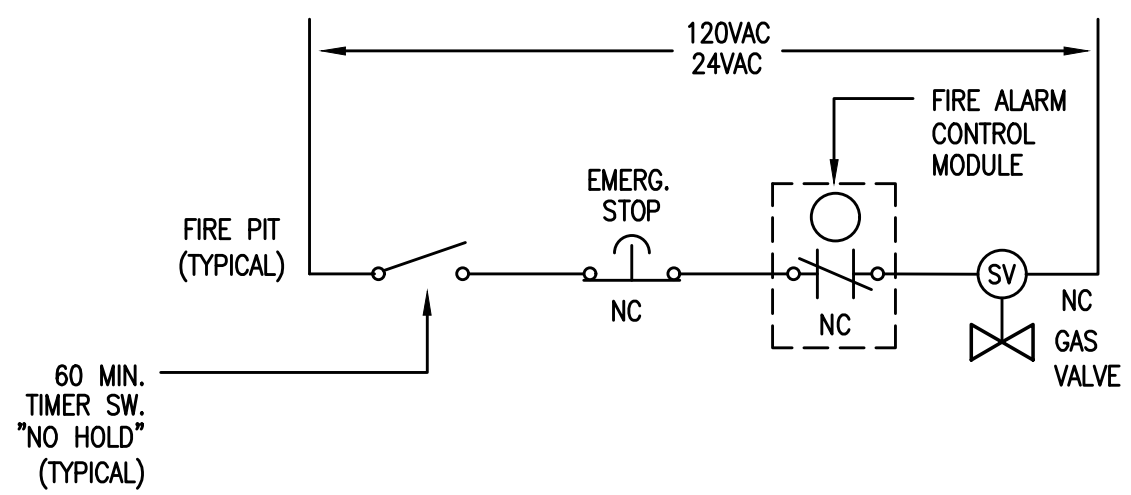
AEGIS
MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660



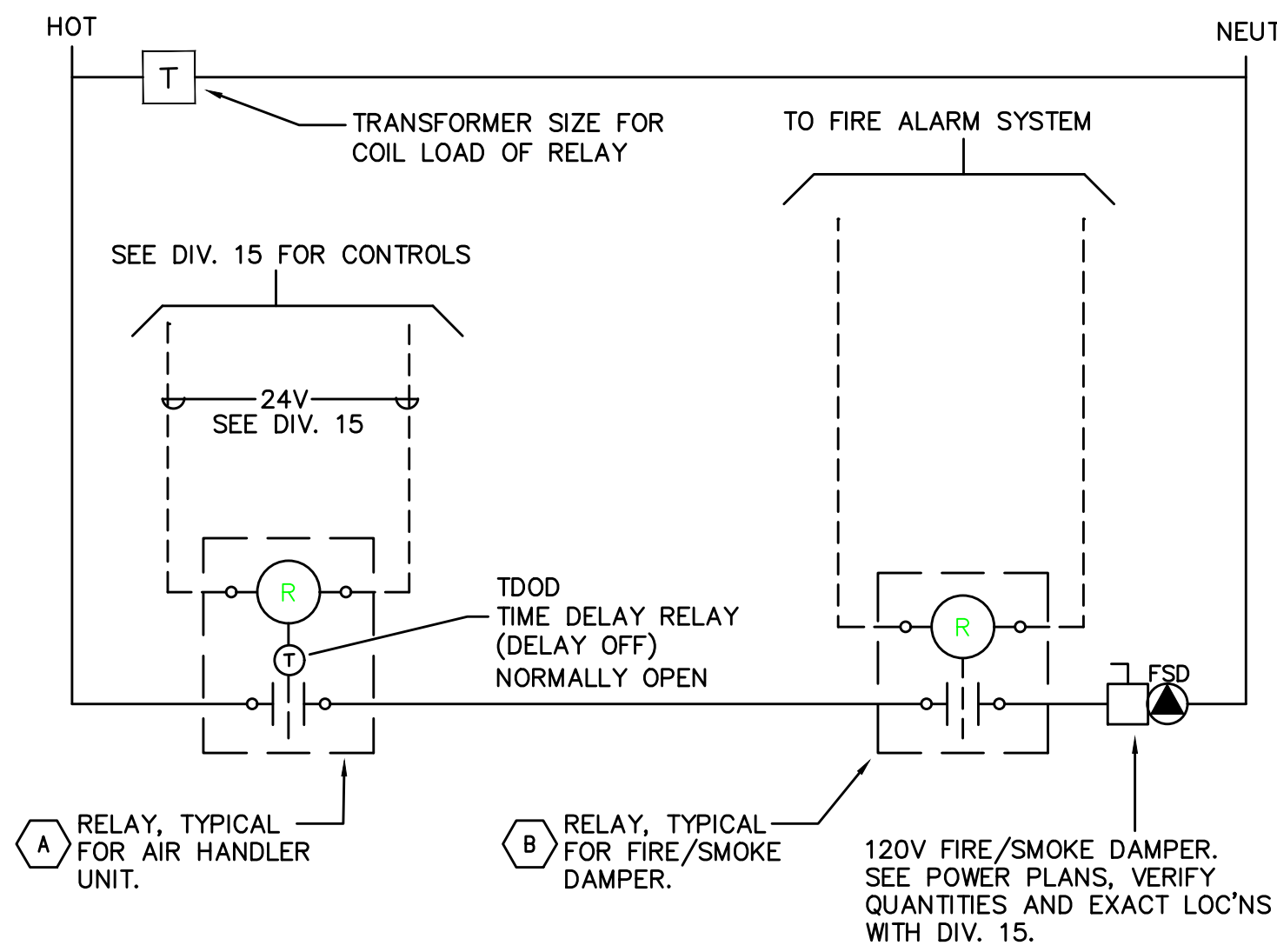
1 GROUNDING/BONDING DIAGRAM
E1.18 208Y/120V, 3Ø, 4 WIRE



2 GENERATOR - ELECTRICAL GROUNDING/BONDING DETAIL
E1.18 NO SCALE



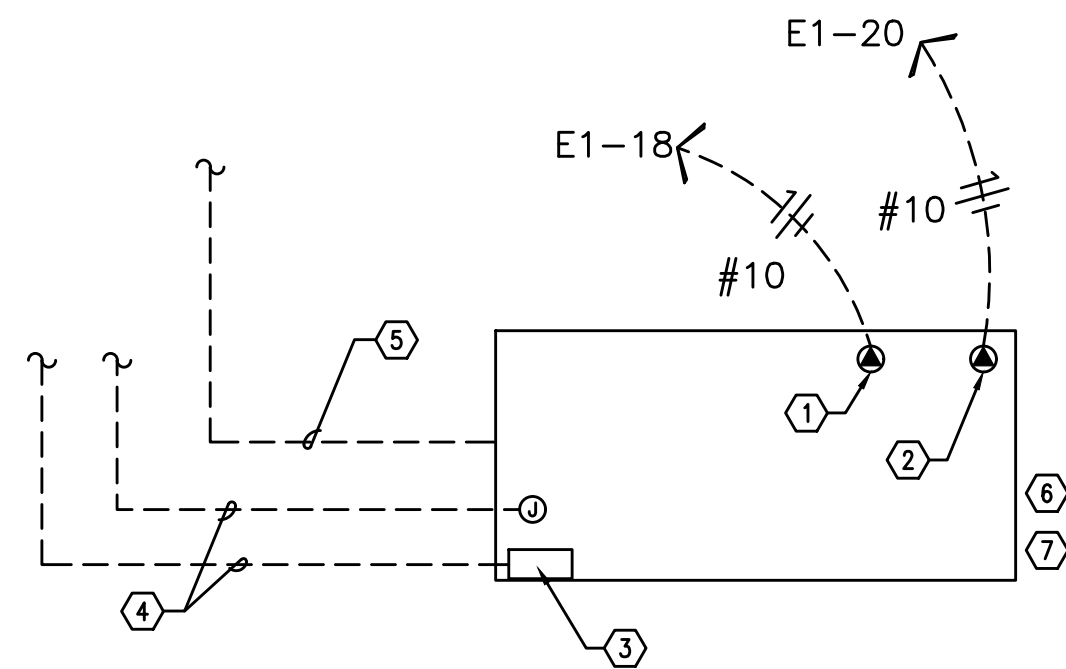
4 ROOFTOP GAS APPLIANCE EMERGENCY SHUT-OFF DIAGRAM
E1.18 SCALE: NONE



5 SMOKE/FIRE DAMPER CONTROL DIAGRAM
E1.18 NO SCALE

ADDRESSABLE DETECTOR CONTROL

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

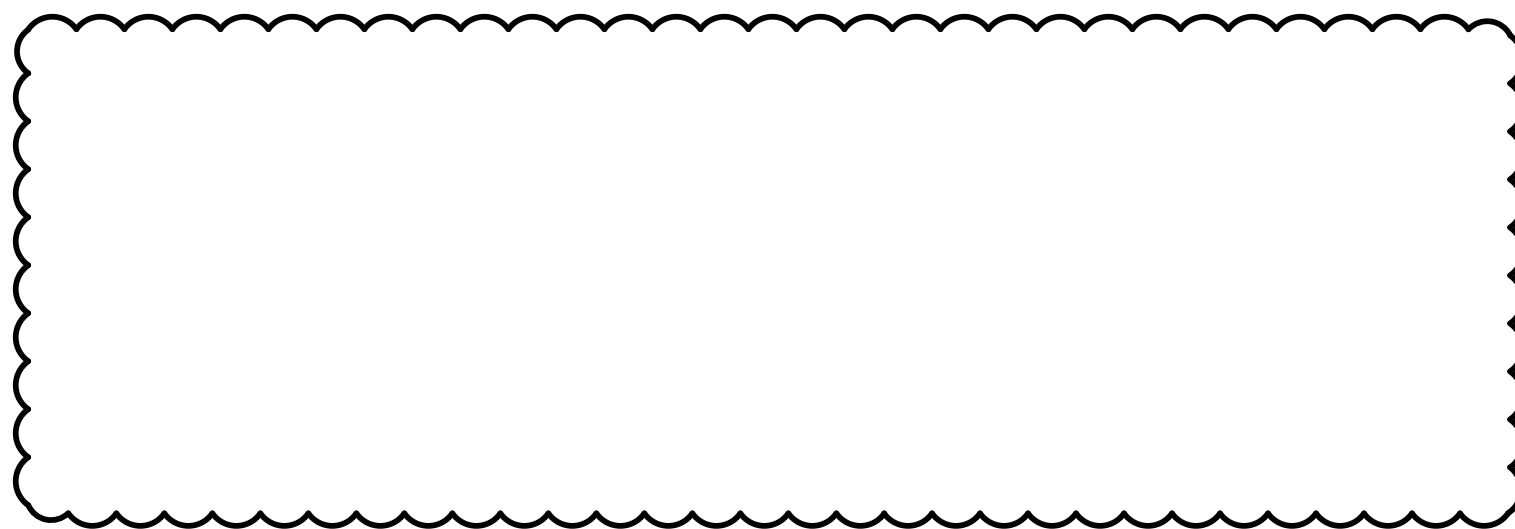


3 GENERATOR CIRCUITING DETAIL
E1.18 NO SCALE

NOTES:

- 120V GENERATOR BLOCK HEATER. PANEL E1 AT BUILDING 'B'.
- 120V GENERATOR BATTERY CHARGER. PANEL E1 AT BUILDING 'B'.
- GENERATOR OUTPUT BREAKER AND CONTROL SECTION. PANEL E1 AT BUILDING 'B'.
- POWER AND CONTROL TO TRANSFER SWITCH AND REMOTE ANNUNCIATOR. SEE ONE-LINE DIAGRAM ON SHEET E1.11 & E1.14.
- TO AUTOMATIC TRANSFER SWITCH.SEE E1.11 & E1.14.
- DIESEL GENERATOR TO BE PROVIDED WITH DOUBLE-WALL FUEL TANK AND SPILL CONTAINMENT PER CITY OF PORTLAND REQUIREMENTS.
- 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.

9



LIGHTING FIXTURE LIST					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
A1 A1E	LED 3000K 2000LM/80CRI	LITHONIA (OR APPROVED OTHER)	CSS L48 AL03 SERIES	TYPE :4' GEN. PURPOSE STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :DIFFUSED ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE 'AE' SIMILAR TO TYPE 'A' EXCEPT WITH EMERGENCY BATTERY BACK-UP EQUIP. RMS, TRASH RM, LEASE SPACE
	28W				
A2	LED 4000K 5000LM/80CRI	LITHONIA (OR APPROVED OTHER)	XVLM L48SERIES	TYPE :4' ENCLOSED INDUSTRIAL MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :CLEAR POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER	WALL MOUNT AT +7'-0" AFF IN ROOF TERRACE MECH. ROOM. ELEVATOR PIT & TOP OF SHAFT
B1 2	LED 3000K 3000LM/80CRI	LITHONIA (OR APPROVED OTHER)	BLWP4 30L SERIES	TYPE :4' WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	PROVIDE WITH INTEGRAL OCCUPANCY SENSOR, DIM50 STANDBY MODE STAIRWELLS
B2	LED 3000K 3000LM/80CRI	LITHONIA (OR APPROVED OTHER)	CLXL48 SERIES	TYPE :4' WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :WIDE DIFFUSED VOLTAGE :MVOLT BALLAST :LED DRIVER	WIDE DISTRIBUTION STANDARD OUTPUT BIKE ROOM
B3	LED 3000K 2000LM/80CRI	LITHONIA (OR APPROVED OTHER)	CSS L48 ADPT SERIES	TYPE :3' WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :WIDE DIFFUSED VOLTAGE :MVOLT BALLAST :LED DRIVER	STANDARD OUTPUT ELEVATOR MACHINE ROOM
C1a/b 1 3	LED 3000K/90CRI 127LM/FT	ECOSENSE (OR APPROVED OTHER)	TROV L35I SERIES	TYPE :LED COVE LIGHT MOUNTING :SURFACE (IN COVE) HOUSING :ALUMINUM LENS/REFL :CLEAR POLYCARBONATE/SNAP ON VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING-ELV)	C1a = 2FT LENGTH C1b = 4FT LENGTH MAIN LOBBY
C2 8	LED 600LM/80CRI 3000K	COOPER LIGHTING (OR APPROVED OTHER)	SMD6R12 SERIES	TYPE :6" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 UL LISTED DAMP LOCATION RESTROOMS, DOG WASH
C3	LED 1200LM/80CRI 3000K	COOPER LIGHTING (OR APPROVED OTHER)	SMD6R12 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC/CLEAR DIFFUSE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 OR ARHITECT LOBBY, CORRIDORS
C4	LED 1500LM/80CRI 3000K	COOPER LIGHTING (OR APPROVED OTHER)	LCR6159F SERIES HL6RSMF	TYPE :5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC/CLEAR DIFFUSE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	IC RATED CORRIDORS
C5 4	LED 650LM/80CRI 3000K	COOPER LIGHTING (OR APPROVED OTHER)	HLA406FL SERIES	TYPE :4" DIA. ADJ.DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	IC RATED FIELD AIM PER ARCHITECT'S DIRECTION FINISH PER ARCHITECT. LOBBY, CORRIDOR

LIGHTING FIXTURE LIST – DECORATIVE					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
LF1 3 2	LED 330LM/FT 3000K	KELVIX (OR APPROVED OTHER)	PH30K 24V W/ CH409 CHANNEL	TYPE :UNDER CABINET LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM CHANNEL LENS/REFL :WHITE ACRYLIC LENS VOLTAGE :24V BALLAST :LED DRIVER 0-10 DIMMING	TAPE & CHANNEL TO MOUNT AT UNDER- SIDE OF SHELF. CONSULT WITH INTERIOR DECORATOR'S DETAILS AND COORDINATE INSTALLATION. COFFEE BAR, COMMUNITY RM
LF2	LED 3000K/90CRI 5040LM	KUZCO (OR APPROVED OTHER)	EEREIE PD19347 SERIES	TYPE :LINEAR PENDANT MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :OPAL SILICON VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING/ELV)	FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR MAIL ROOMS
LF3		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF4	LED 3000K 850LM/90CRI	USAI LIGHTING (OR APPROVED OTHER)	B3RDM SERIES	TYPE :3" DIA DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	45 DEGREE BEAM SPREAD PROVIDE WITH USAI POWER SUPPLY BLACK BEVEL TRIM & MILLWORK FLANGE IC RATED BLDG A COFFEE BAR
LF5	(8) JCD/G9 LED 3000K/80CRI	ARTORCRAFT LIGHTING (OR APPROVED OTHER)	AC11188 SERIES	TYPE :LARGE PENDANT MOUNTING :SUSPENDED HOUSING : LENS/REFL : VOLTAGE :120V BALLAST :LED DRIVER (0/10 DIMMING)	FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR BLDG B LOBBY
LF6 3	(1) LED LAMP (MED. BASE) 3000K/80CRI	CREATIVE SYSTEMS LTG (OR APPROVED OTHER)	LP2102730 SERIES	TYPE :MINI PENDANT MOUNTING :SUSPENDED HOUSING :UNKNOWN LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK PATINE FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR. BLDG B LOUNGE
LF7	(1) G9 LED 3000K 220LM/80CRI	ANDLight (OR APPROVED OTHER)	ORB-P SERIES	TYPE :PENDANT MOUNTING :SUSPENDED HOUSING :STEEL WIRE LENS/REFL :ETCHED GLASS VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR RESTROOM
LF8	(3) LED LAMPS (MED. BASE) 3000K/80CRI	TROY LIGHTING (OR APPROVED OTHER)	HENDRIX F6886 SERIES	TYPE :CHANDELIER MOUNTING :SUSPENDED HOUSING :UNKNOWN LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK IRON FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR BLDG A CLUBROOM
LF9	(1) GU10 LED 3000K/80CRI	RESTORATION HARDWARE (OR APPROVED OTHER)	ORBITER II 68830997 SERIES	TYPE :SCONCE MOUNTING :SURFACE HOUSING :UNKNOWN LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BRONZE FINISH PER MOUNTING HEIGHT PER INTERIOR DECORATOR BLDG A CLUBROOM
LF10 3		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF11 3 2	LED 3000K/90CRI 780LM	KUZCO LIGHTING (OR APPROVED OTHER)	WS83218 SERIES	TYPE :SCONCE MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :OPAL GLASS VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	VERIFY ADA COMPLIANT BLACK FINISH PER INTERIOR DECORATOR MOUNTING HEIGHT PER INTERIOR DECORATOR TYPICAL UNIT ENTRY
LF12 8	LED 3000K/80CRI 500LM/FT	NULITE (OR APPROVED OTHER)	RP14-B-FF SERIES	TYPE :8FT DIRECT/INDIRECT LINEAR MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	60% DOWN-40% UP DISTRIBUTION MOUNT AT 10FT AFF TO BOTTOM OF FIXTURE. STANDARD WHITE FINISH BIKE ROOMS BLDG B FITNESS ROOM
LF13		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF14	LED 3000K/80CRI 1300LM	KUZCO (OR APPROVED OTHER)	FM11410 SERIES	TYPE :9" DIA DOWNLIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING/ELV)	BLACK FINISH PER INTERIOR DECORATOR BLDG A WOOD CEILINGS
LF15 3		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
LF16	(1) G9 LED (WEDGE BASE) 3000K/80CRI	HUDSON VALLEY LIGHTING (OR APPROVED OTHER)	8701-AGB SERIES	TYPE :WALL SCONCE MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	FINISH PER INTERIOR DECORATOR. MOUNTING HEIGHT PER INTERIOR DECORATOR. BLDG A LOBBY, CLUB RM/BLDG B LOBBY

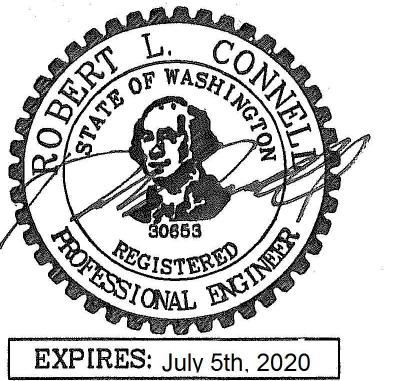
GENERAL NOTES:

- ALL LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPING AND BALLASTS.
- LIGHT FIXTURES FOR LIVING UNITS SHALL BE "ENERGY STAR" RATED.
- EXTERIOR LIGHT FIXTURES SHALL BE "NIGHT SKY" FRIENDLY.
- VERIFY ALL FIXTURE FINISHES WITH ARCHITECT PRIOR TO BID.
- VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO BID.
- VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN.
- ALL INTERIOR LIGHTING SHALL BE 3000 KELVIN UNLESS OTHERWISE NOTED.
- ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.
- 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.
- THE ELECTRICAL CONTRACTOR SHALL CONSULT THE INTERIOR DESIGN PLAN SET FOR ALL FINISHES, MOUNTING HEIGHTS AND OTHER INSTALLATION REQUIREMENTS REGARDING THE "LF" LIGHT FIXTURES LISTED IN THE FIXTURE SCHEDULE ON THIS SHEET.
- IF NECESSARY, CONTRACTOR SHALL PROVIDE IC RATED BOXES FOR ANY APPROVED, SUBSTITUTED FIXTURES NOT MEETING INSULATED CEILING REQUIREMENTS.
- BUILDING MOUNTED EXTERIOR WALL SCONCES, TYPE S33b, TO BE CONTROLLED VIA PHOTOCELL AND BE PROVIDED WITH A TIME CLOCK TO REDUCE LIGHT OUTPUT BY 30% DURING LATE NIGHT TO REDUCE REFLECTANCE INTO TENANT LIVING UNITS. FIXTURES DESIGNATED TO BE EGRESS SHALL BE BE WIRED SUCH THAT IN THE EVENT OF A POWER OUTAGE, THE LIGHTS AUTOMATICALLY RETURN TO FULL OUTPUT. TIME CLOCK SETTINGS TO BE DETERMINED BY THE OWNER.

KEYED LIGHTING NOTES:

- 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.
- STAIRWELL AND BOH CORRIDOR LIGHT FIXTURES TO BE EQUIPPED WITH FACTORY INSTALLED (OR REMOTE) OCCUPANCY SENSORS FOR MIN. 50% LIGHT REDUCTION DURING PERIODS OF NO ACTIVITY.
- MAXIMUM RUN LENGTH FOR SPECIFIED COVE LIGHT FIXTURE IS (186) 4FT UNITS. MULTIPLE RUNS SHALL BE CIRCUITED AS NOTED ON THE PLANS. CONTRACTOR SHALL PROVIDE THE APPROPRIATE MOUNTING AND CONNECTING HARDWARE PER MANUFACTURER'S REQUIREMENTS. CONSULT VENDOR FOR ADDITIONAL INSTALLATION INFORMATION.
- CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE INSTALL. 24V FIXTURE TRANSFORMER/POWER SUPPLY TO BE LOCATED IN THE CABINET BELOW THE SHELVING.
- 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.
- PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE FIXTURE CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
- PROVIDE WITH WEATHER PROOF J-BOX FOR SOIL CONTACT.
- VERIFY MOUNTING HEIGHT OF FIXTURES IS NOT IN CONFLICT WITH ROOM EQUIPMENT.
- BOLLARD LIGHTS ALONG THE BUILDING WALKWAYS SHALL BE INSTALLED SUCH THAT ANY PROJECTION FACES AWAY FROM THE BUILDING.
- LED TAPE & CHANNEL LIGHTS AT EXTERIOR PLAZA SHALL BE MOUNTED AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE INSTALL.
- CONTRACTOR TO SUPPLY AND INSTALL BACK-LIT VANITY MIRROR. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND SIZE OF THE BACK-LIT VANITY MIRROR FOR EACH UNIT TYPE. MIRROR TO BE HARDWIRED INTO A RECESSED J-BOX. CONSULT ARCHITECT FOR ANY ADDITIONAL INFORMATION REGARDING THESE FIXTURES.

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EXPIRES: July 5th, 2020

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 # 2017-053
DATE: 11/06/2019

REVISIONS

- | | |
|-------------|------------|
| PLAN REVIEW | 01.24.2020 |
| PLAN REVIEW | 03.13.2020 |
| PLAN REVIEW | 04.24.2020 |
| PLAN REVIEW | 08.10.2020 |
| PLAN REVIEW | 09.17.2020 |
| PLAN REVIEW | 10.16.2020 |
| PLAN REVIEW | 11.25.2020 |
| PLAN REVIEW | 03.26.2021 |

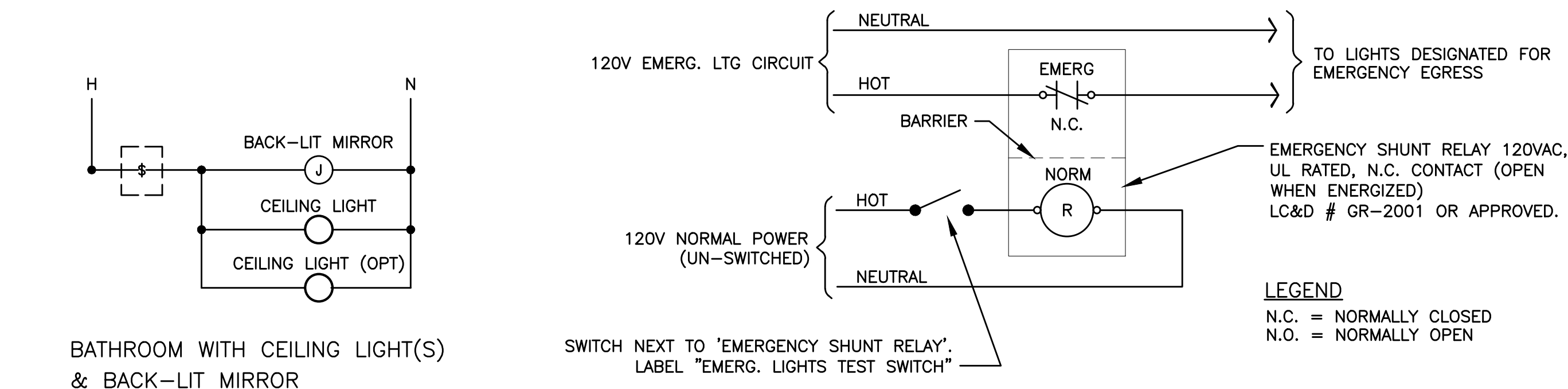
SHEET:

LIGHTING FIXTURE LIST – SITE & EXTERIOR

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
LS1 ⑦	LED 3000K 100LM 3W	DALS LIGHTING (OR APPROVED OTHER)	LEDSTEP005D SERIES	TYPE :STEP LIGHT (+10" AFF) :RECESSED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	VERIFY UL LISTED FOR WET LOCATION FINISH PER ARCHITECT. VERIFY EXACT LOCATION WITH LANDSCAPE DESIGNER PRIOR TO ROUGH IN. ROOF TERRACE
LS2 ⑩	LED 3000K 500LM/FT 5W/FT	JESCO LIGHTING (OR APPROVED OTHER)	DL-AC-FLEX SERIES DL-AC-FLEX2-HW08 DL-AC-FLEX2-UT-CH6M12 DL	TYPE :LED COVE LIGHT MOUNTING :SURFACE (CHANNEL) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	MOUNT UNDER COUNTER TOP EDGE. VERIFY EXACT LENGTH BEFORE ORDERING VERIFY EXACT LOCATION WITH LANDSCAPE DESIGNER PRIOR TO ROUGH IN. UL LISTED FOR WET LOCATION ROOF TERRACE
LS3	LED 3000K 342LM 8W	BEGA LIGHTING (OR APPROVED OTHER)	33-054 SERIES	TYPE :LED STEP LIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :TEMPERED GLASS VOLTAGE :120V BALLAST :LED DRIVER	VERIFY EXACT LENGTH BEFORE ORDERING VERIFY EXACT LOCATION AND MOUNTING WITH LANDSCAPE DESIGNER PRIOR TO ROUGH IN. UL LISTED FOR WET LOCATION ROOF TERRACE, PLAZA
S1 ⑨ ⚠	LED 3000K 1000LM 12W	KUZCO LIGHTING (OR APPROVED OTHER)	EB3036 SERIES	TYPE :36" BOLLARD LIGHT MOUNTING :AT GRADE HOUSING :ALUMINUM LENS/REFL :TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	PROVIDE WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE. TYPE II DISTRIBUTION. MOUNT PER MFR'S REQUIREMENTS UL LISTED WET LOCATION/VERIFY ADA BUILDING WALKWAYS
S2 ⚠	LED 3000K 5500LM 51W	LITHONIA LIGHTING (OR APPROVED OTHER)	RSX1 LED P1 SERIES	TYPE :AREA LIGHT (SINGLE/TWIN HEAD) MOUNTING :POLE MOUNT (+20'-0") HOUSING : LENS/REFL : VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III MEDIUM DISTRIBUTION INTEGRAL PHOTOCELL PARKING AREA
S3a ⚠	LED 3000K 975LM 14W	USAI LIGHTING (OR APPROVED OTHER)	BEVELED 1020 SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER	UL LISTED WET LOCATION CUSTOM FINISH TO MATCH METAL SOFFIT BLACK OR BRONZE FINISH PER ARCHITECT MAIN BUILDING ENTRANCES
S3b ⚠	LED 3000K 650LM 11W	LUMENART LIGHTING (OR APPROVED OTHER)	AWL18 SERIES	TYPE :EXTERIOR SCONCE MOUNTING :SURFACE (+8'-0" AFG) HOUSING :ALUMINUM LENS/REFL :TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	20 DEGREE BEAM ANGLE. FIXTURE SHALL BE DOWNLIGHT ONLY. FIXTURES LOCATED AT ROOF TERRACE MOUNT AT 7'-0" AFF. BLACK OR BRONZE FINISH PER ARCHITECT. BUILDING EXTERIOR, ROOF TERRACE
S4	LED 3000K 1000LM 14W	COOPER LIGHTING (OR APPROVED OTHER)	SMD6R SERIES	TYPE :6" DIA. DOWNLIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	WHITE FINISH UL LISTED WET LOCATION BUILDING EXTERIOR
S5	LED 3000K 2450LM 22W	GARDCO LIGHTING (OR APPROVED OTHER)	PWS SERIES	TYPE :EXTERIOR WALL PACK MOUNTING :SURFACE (+8'-0") HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III DISTRIBUTION BUILDING SERVICE ENTRANCES
S6	LED 3000K 1000LM 15W	ALCON LIGHTING (OR APPROVED OTHER)	11235 DIR-15 SERIES	TYPE :5" DIA EXTERIOR CYLINDER MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :CLEAR TEMPERED GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	60 DEGREE WIDE FLOOD UL LISTED WET LOCATION ROOF TERRACE
S7	LED 3500K 1000LM 10W	EMERGENSEE LIGHTING (OR APPROVED OTHER)	SEEUJ SERIES	TYPE :EXTERIOR EMERGENCY LIGHT MOUNTING :MULLION MOUNTED HOUSING :ALUMINUM LENS/REFL : VOLTAGE :MVOLT BALLAST :LED DRIVER	DARK BRONZE FINISH PER ARCHITECT UL LISTED WET LOCATION LEASE SPACE STOREFRONT

LIGHTING NOTES:

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



2 BATHROOM SWITCHING DIAGRAMS – TYPICAL
E1.22 NO SCALE

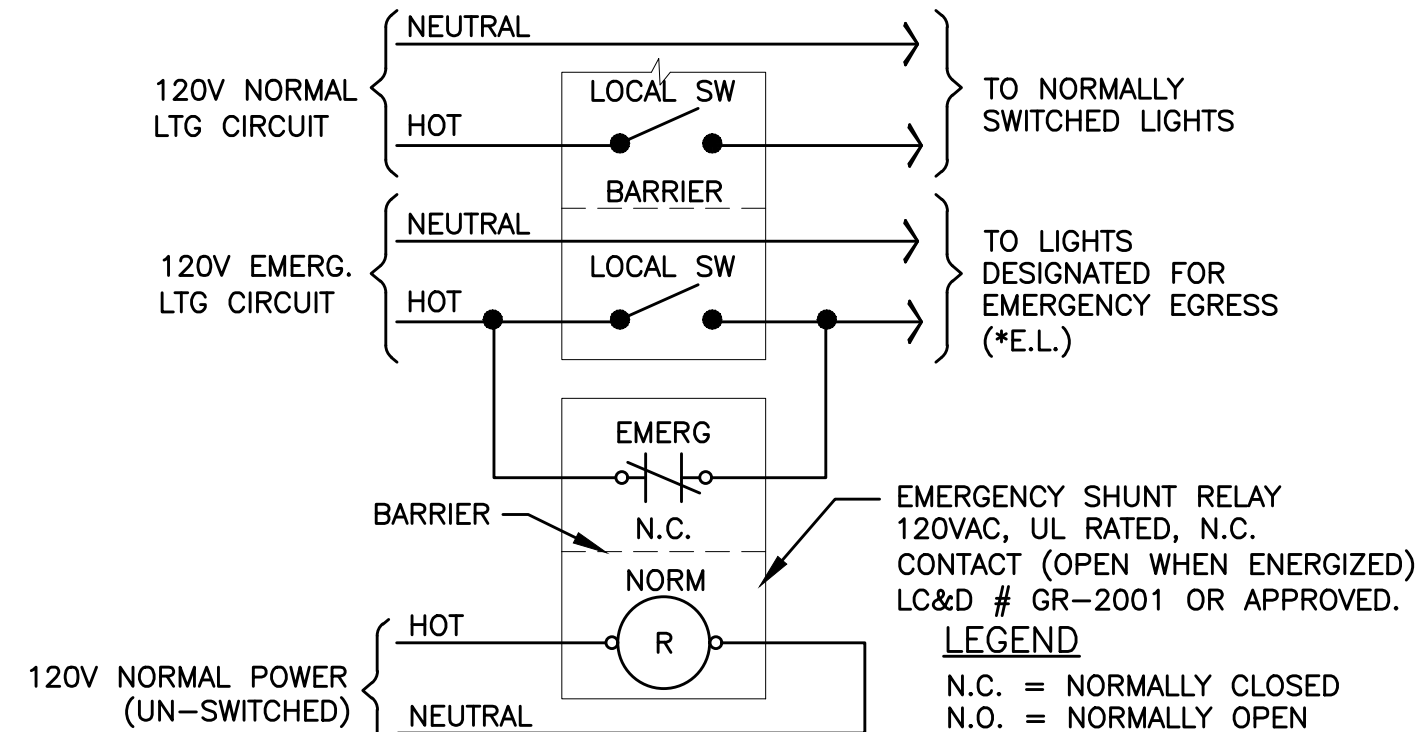
3 EMERGENCY EGRESS LIGHTING – UNSWITCHED
E1.22 NO SCALE

LIGHTING FIXTURE LIST – EXITING

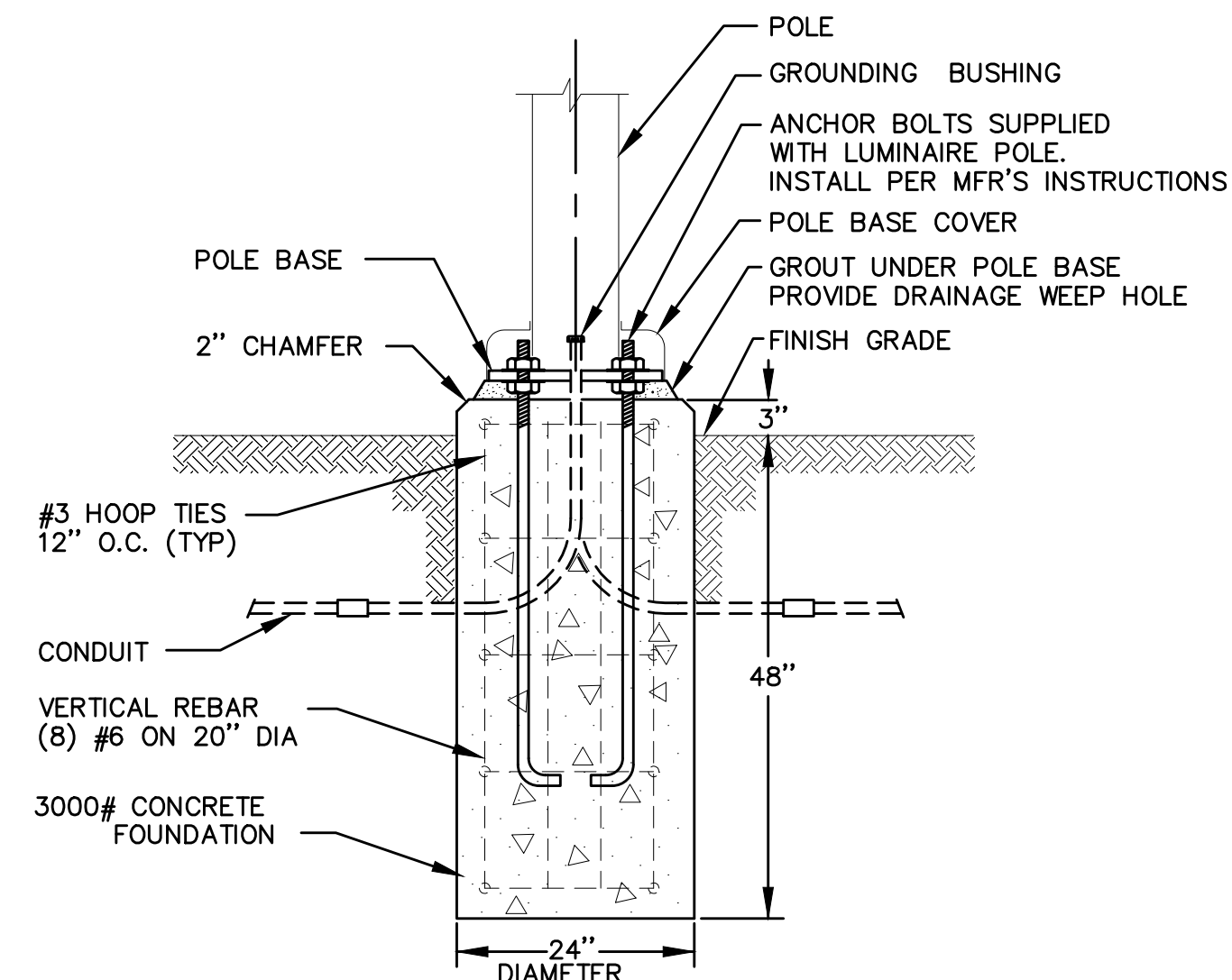
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
'X1'	LED (GREEN LETTERS) (1.5W)	LITHONIA (OR APPROVED OTHER)	EXG LED EL SERIES	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE/DUAL FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	
X2		NOT USED		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
'X3'	LED (GREEN LETTERS) (3.5W)	LITHONIA (OR APPROVED OTHER)	WLTE EL SERIES BLACK FINISH	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	UL LISTED WET LOCATION
'X4'	LED (GREEN LETTERS) (1.5W)	LITHONIA (OR APPROVED OTHER)	EDGR 1 GMR EL SERIES	TYPE :EXIT SIGN MOUNTING :RECESSED HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	MOUNTED CENTERED ABOVE DOOR UNLESS OTHERWISE NOTED.
'X5'	LED (GREEN LETTERS) (3.5W)	EATON (OR APPROVED OTHER)	EUX SERIES	TYPE :EXIT SIGN MOUNTING :SURFACE HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	SURFACE MOUNT AT STOREFRONT MULLION
'X6'	LED (GREEN LETTERS) (3.5W)	EATON (OR APPROVED OTHER)	EUX SERIES	TYPE :EXIT SIGN MOUNTING :SURFACE HOUSING :DIE-CAST ALUMINUM LENS/REFL :DOUBLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	SURFACE MOUNT AT CEILING

LIGHTING FIXTURE LIST – TYPICAL LIVING UNITS

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



4 EMERGENCY EGRESS LIGHTING – SWITCHED
E1.22 NO SCALE



2 TYPICAL POLE BASE DETAIL
E1.21 NO SCALE



EXPIRES: July 5th, 2020

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PROJECT # 2017-053
DATE: 11/06/2019

REVISIONS

- △ PLAN REVIEW 01.24.2020
- △ PLAN REVIEW 03.13.2020
- △ PLAN REVIEW 04.24.2020
- △ PLAN REVIEW 08.10.2020
- △ PLAN REVIEW 09.17.2020
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- △ PLAN REVIEW 11.25.2020
- △ PLAN REVIEW 03.26.2021

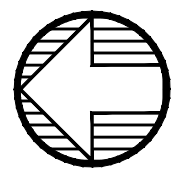
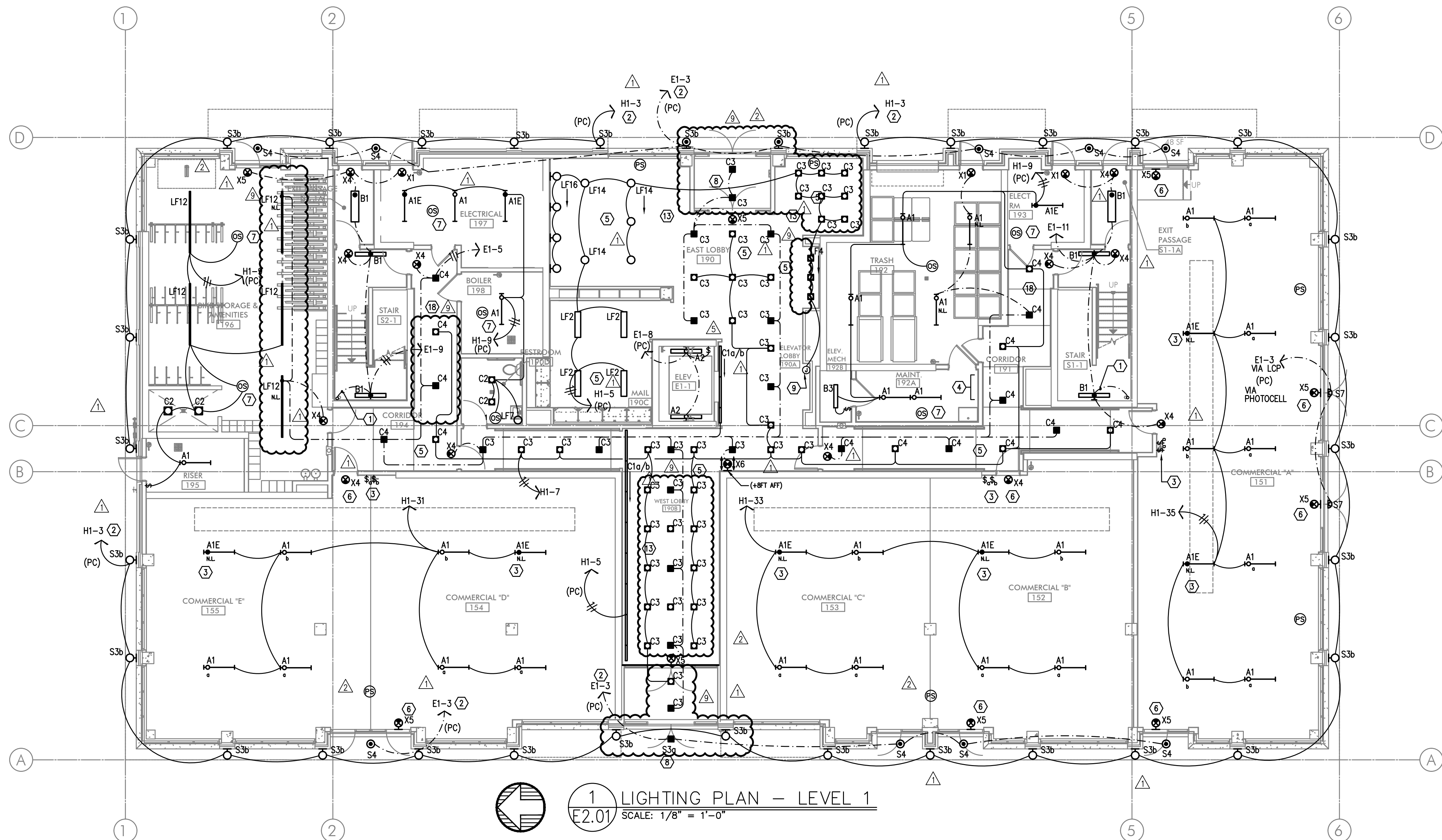
AEGIS MIXED-USE DEVELOPMENT

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SHEET:

A E2.01



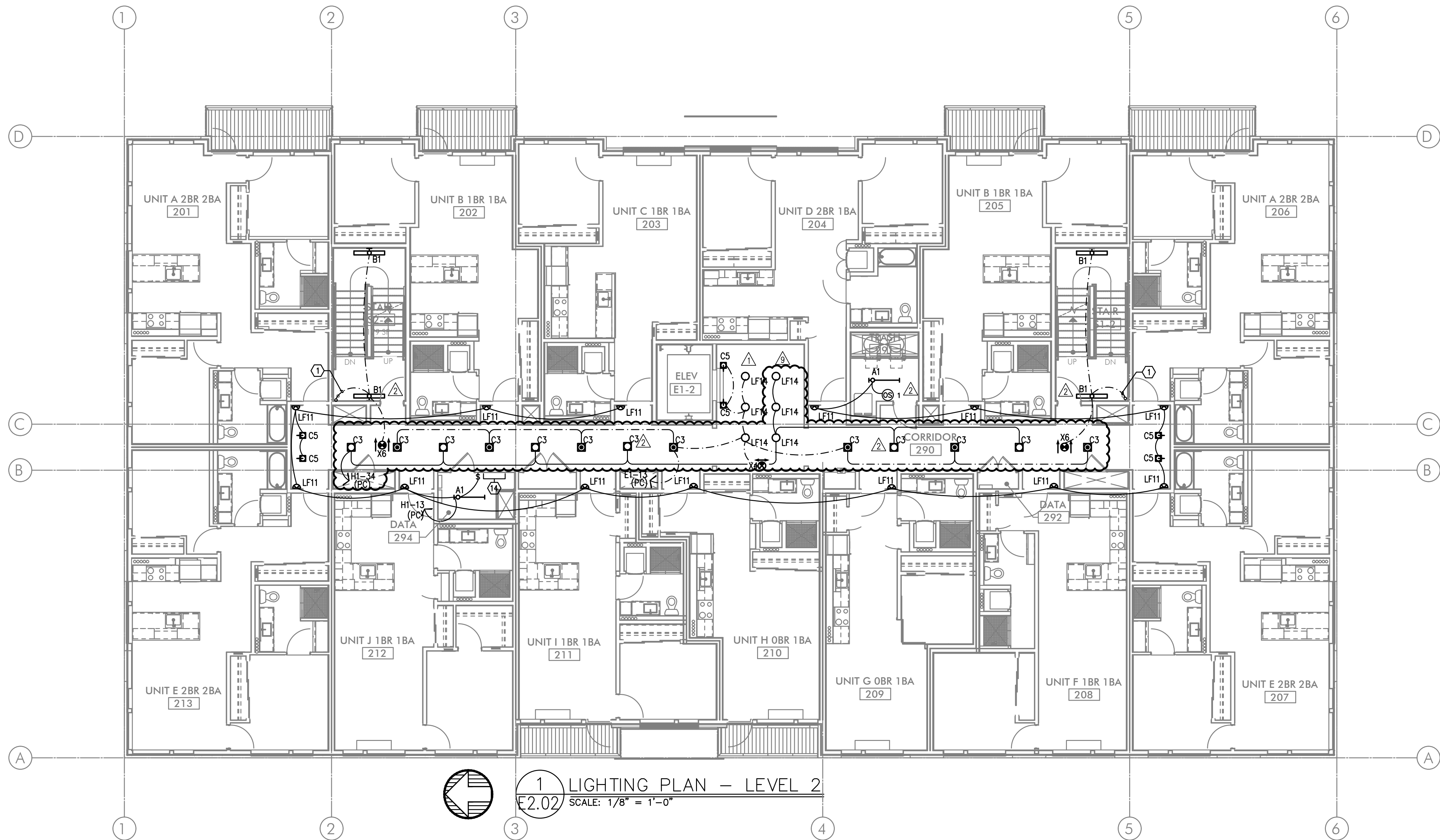
1 LIGHTING PLAN - LEVEL 1
E2.01 SCALE: 1/8" = 1'-0"

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- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK
- F. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.
- G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.
- H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.
- L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL.
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. NOT USED.
10. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
11. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
12. NOT USED.
13. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
14. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.
15. TIE INTO 5TH FLOOR CORRIDOR CIRCUITS AND CONTROLS.
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18. CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.



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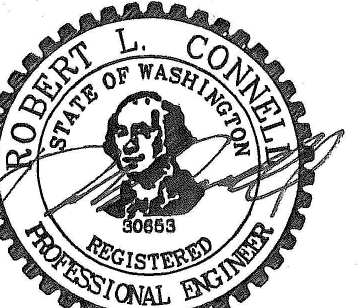
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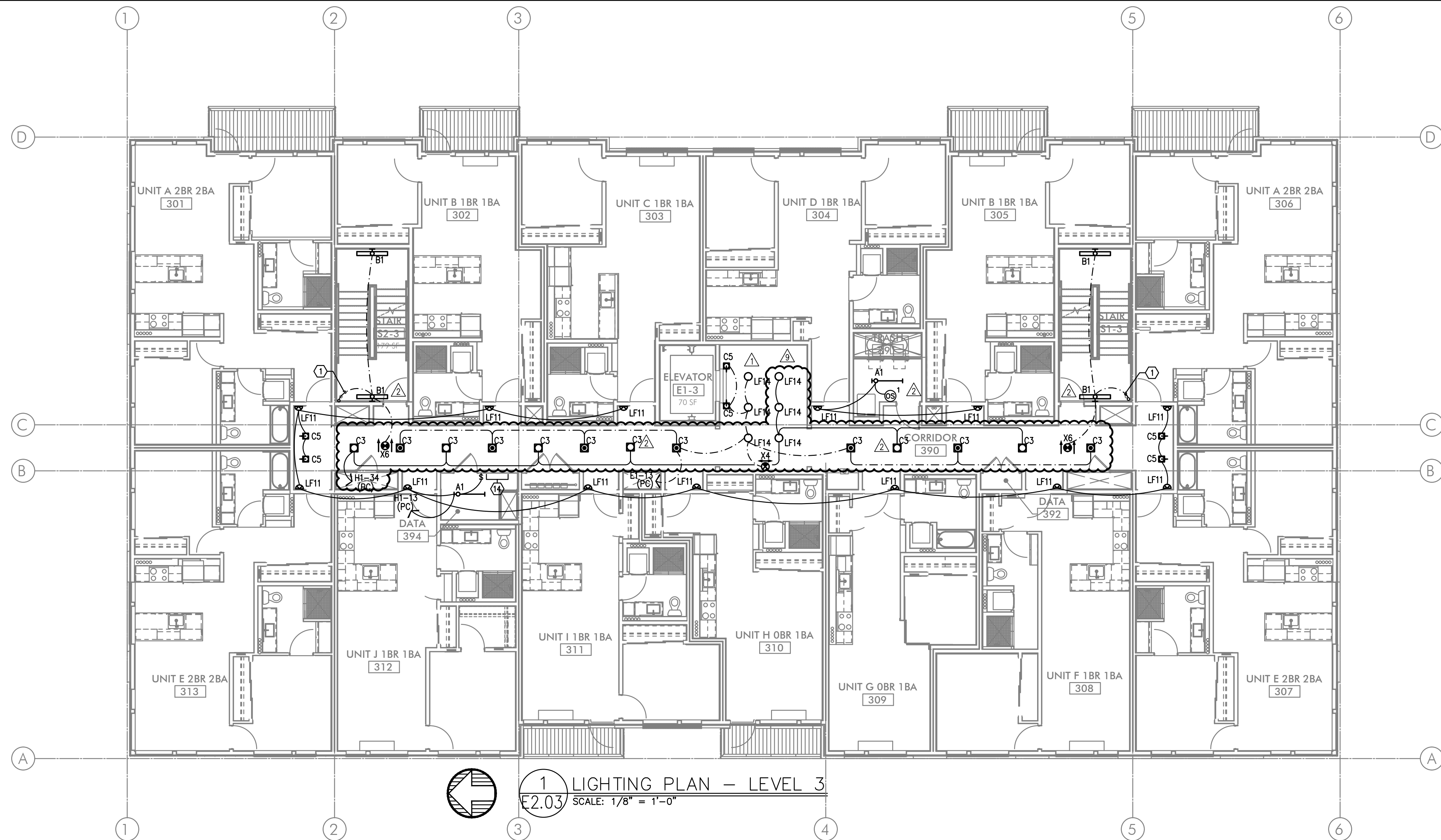
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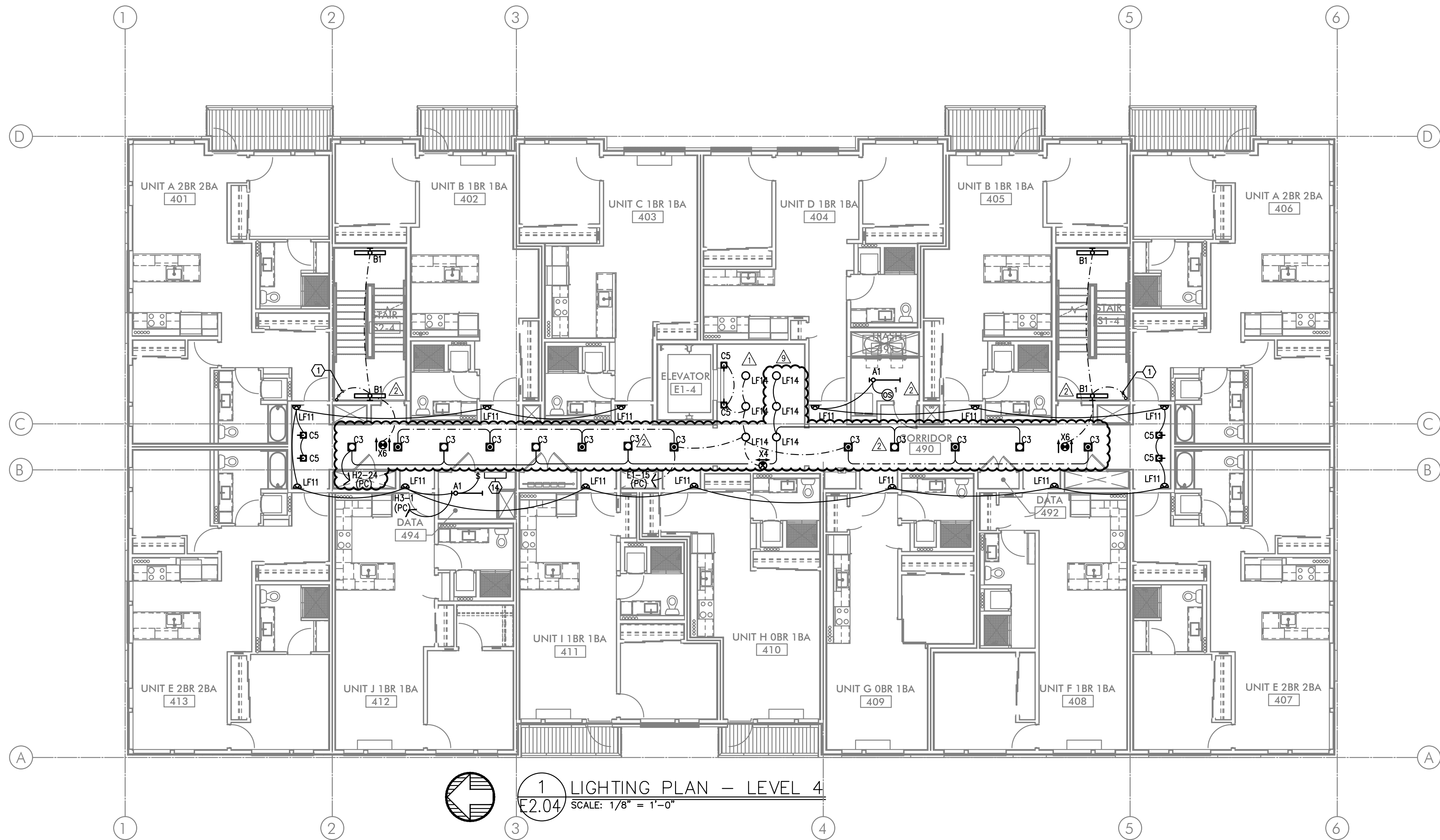
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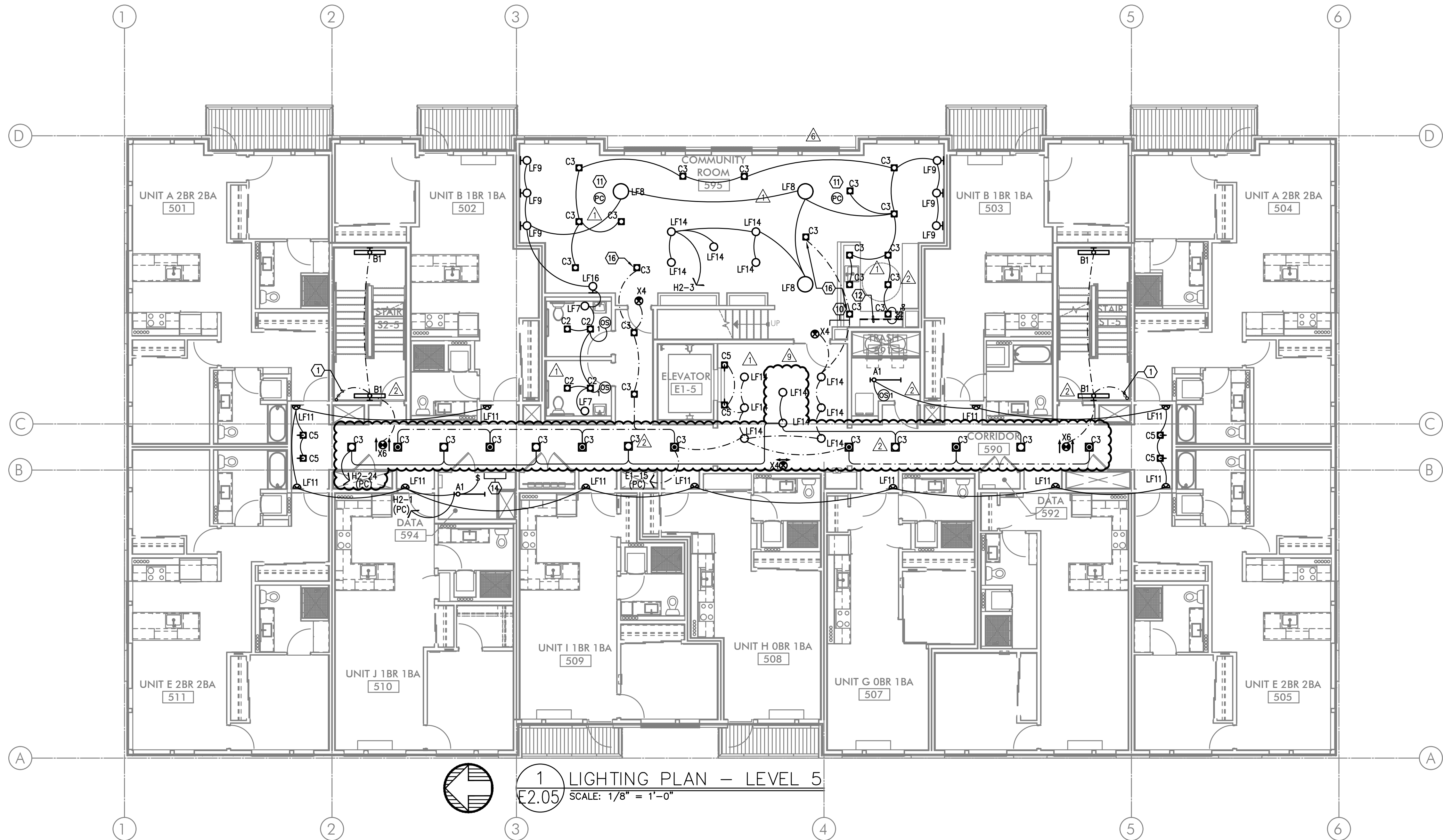
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E2.04



1 LIGHTING PLAN - LEVEL 5
E2.05 SCALE: 1/8" = 1'-0"

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- G. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.
- H. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- I. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/Common AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.
- L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL.
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. NOT USED.
10. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
11. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
12. NOT USED.
13. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
14. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.
15. TIE INTO 5TH FLOOR CORRIDOR CIRCUITS AND CONTROLS.
16. EGRESS LIGHT FIXTURES TO BE CONSTANT 'ON' AND FAIL SAFE TO FULL LIGHT OUTPUT IN THE EVENT OF A POWER OUTAGE. TIE FIXTURES INTO CORRIDOR EGRESS CIRCUIT. SEE DETAIL 4 ON E1.22.
17. COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH IN.
18. CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.

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3

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EXPIRES: July 5th, 2020

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PROJECT # 2017-053
DATE: 11/06/2019

REVISIONS

- PLAN REVIEW 01.24.2020
PLAN REVIEW 03.13.2020
PLAN REVIEW 04.24.2020
PLAN REVIEW 08.10.2020
PLAN REVIEW 09.17.2020
PLAN REVIEW 10.16.2020
PLAN REVIEW 11.25.2020
PLAN REVIEW 03.26.2021

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SHEET:

A
E2.05



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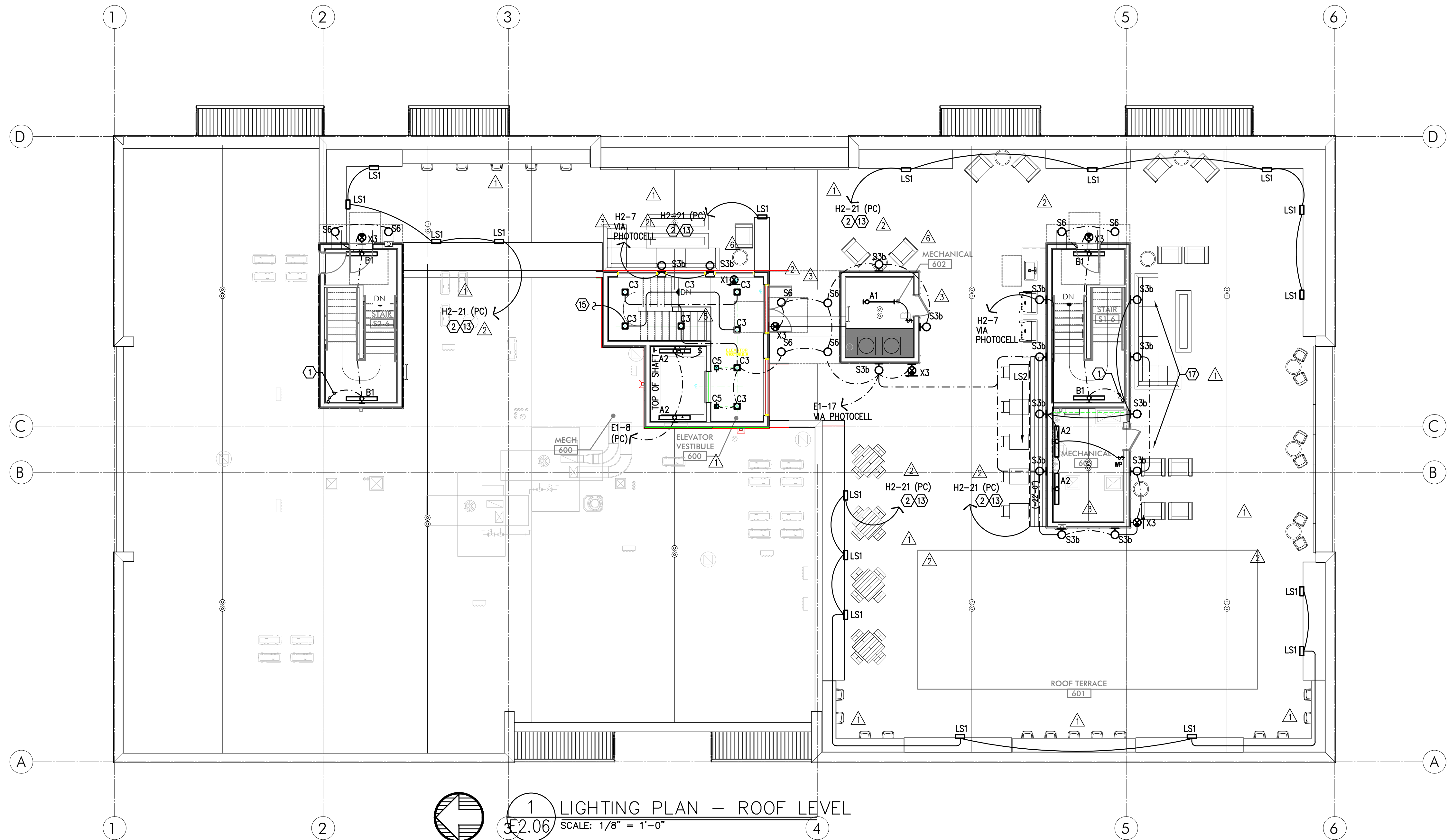
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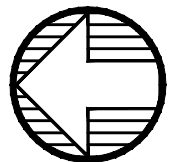
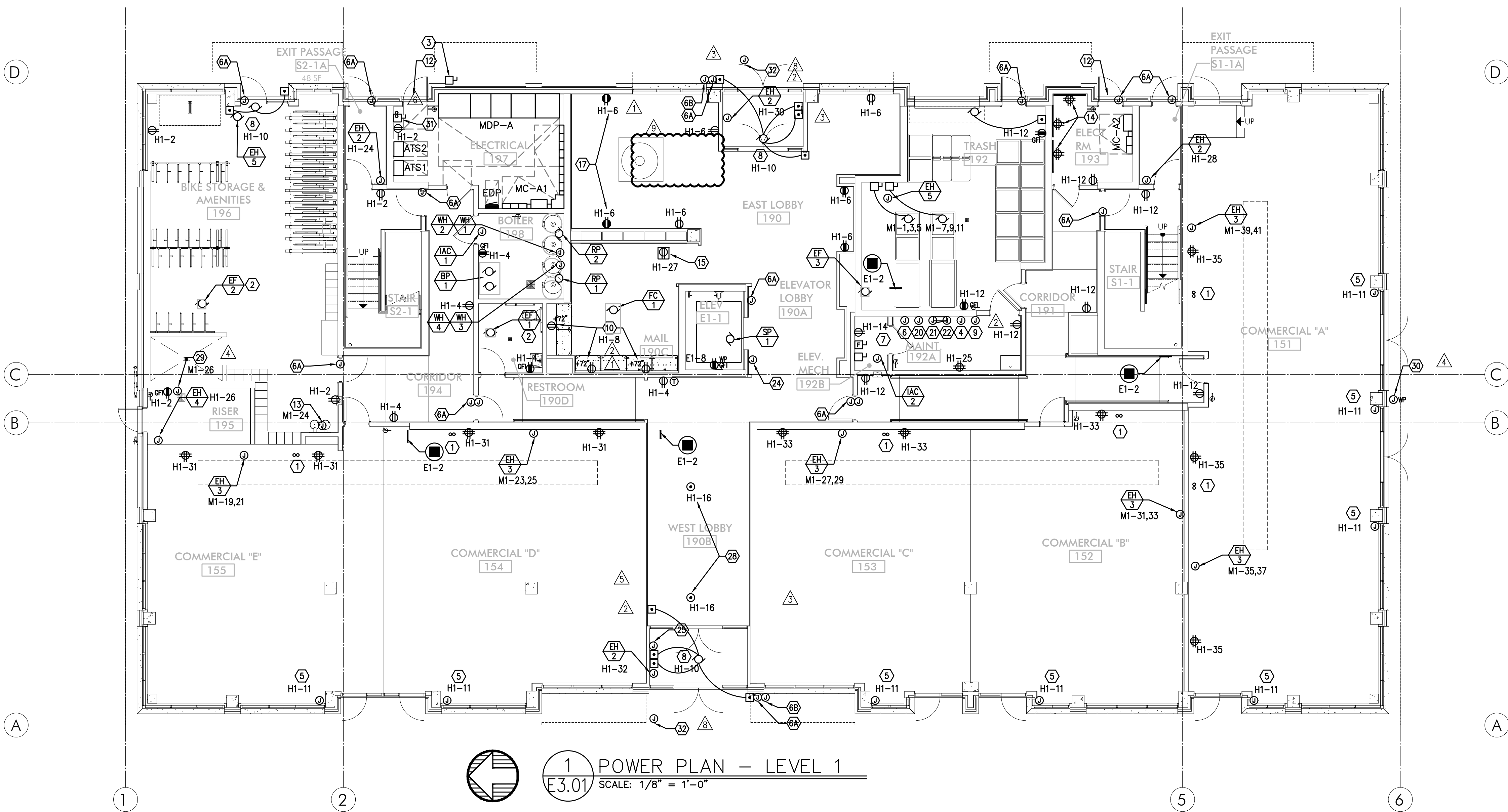
1 LIGHTING PLAN - ROOF LEVEL
E2.06 SCALE: 1/8" = 1'-0"

GENERAL LIGHTING NOTES:

- 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.
- THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN 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 RESIDENTIAL UNITS.
- REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK
- REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.
- OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.
- PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/Common AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.
- ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

- CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL.
- LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
- LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
- TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
- LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
- FIXTURE FINISH TO MATCH SOFFIT METAL.
- NOT USED.
- REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
- PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- NOT USED.
- CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
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- TIE INTO 5TH FLOOR CORRIDOR CIRCUITS AND CONTROLS.
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- COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH IN.
- CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.



1 POWER PLAN - LEVEL 1
E3.01 SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

- ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.
- ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.
- REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.
- REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.
- ELECTRICAL EQUIPMENT SHOWN IN THE ELECTRICAL ROOMS IS APPROXIMATE, BASED ON TYPICAL PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ("T" SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.
- THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.
- "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

KEYED NOTES:

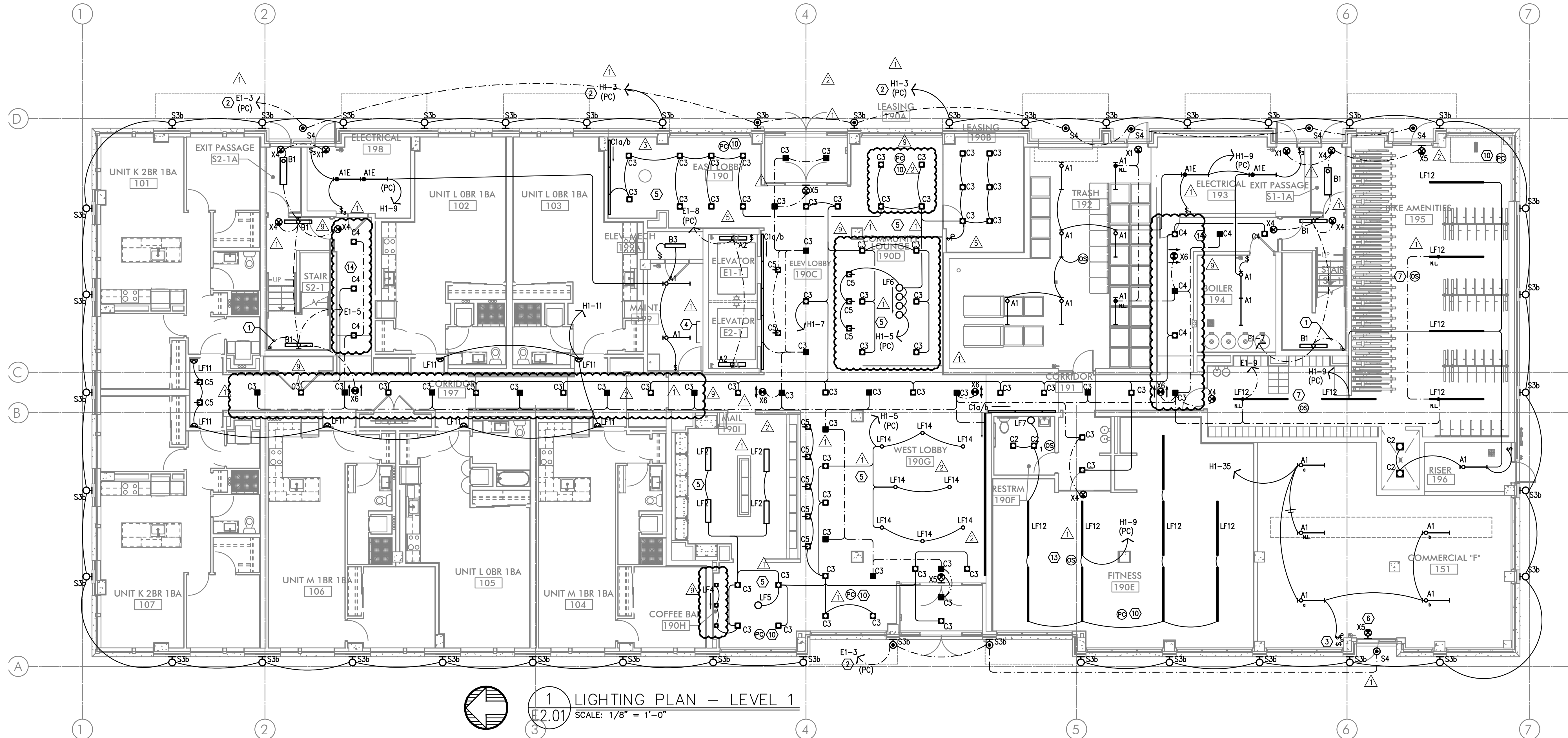
- ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC-A2 IN CEILING ABOVE AND STUBBED INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
- CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
- GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 23.
- PROVIDE ONE 20A, 120V, 1P POWER CONNECTION FOR TENANT BUILDING SIGNS. CIRCUIT AS INDICATED VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 22 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE "T" SERIES SHEETS FOR ADDITIONAL INFORMATION.
- ENTRY ACCESS POINT.
- APARTMENT CALL DIRECTORY.
- VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 10 FOR AUTOMATIC DOOR OPENERS.
- PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL H1, CKT 29 FOR DAS SYSTEM.
- PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H2, CKT 15. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
- ELECTRICAL SERVICE METER ROOMS SHALL HAVE OUTWARD SWING DOORS EQUIPPED WITH PANIC HARDWARE. PROVIDE A KEY BOX AT THE EXTERIOR FOR CLARK PUBLIC UTILITIES 24/7 ACCESS.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR DRINKING FOUNTAIN FROM PANEL M1, CKT 24. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
- LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ("T" SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'H1' SCHEDULE ON E1.13 FOR CIRCUITS.
- CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.
- SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.
- PROVIDE RECEPTACLE WITH TYPES A & C USB PORTS, LEVITON 75633-T OR APPROVED EQUAL.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 18 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.
- CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL H1, CKT 19. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") FOR FIREPLACE IGNITER CONTROLS.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 15 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE "T" SERIES SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 27 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE "T" SERIES SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 19 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE "T" SERIES SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'E1'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM.
- AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ("T" SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED.
- PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
- PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS. COORDINATE EXACT LOCATION WITH THE SYSTEM INSTALLER.
- PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM.
- CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.
- PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.
- PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'H1' FOR LANDSCAPE LIGHTING EQUIPMENT CONNECTION. REFER TO E1.02 FOR MORE INFORMATION. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.
- PROVIDE TWO 1-1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 40 TO J-BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCCELL, ALONG WITH BUILDING LIGHTS.

GENERAL LIGHTING NOTES:

- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.
- D. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- E. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- F. REFER TO SHEET E1.21 FOR LIGHT FIXTURE 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.
- I. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.
- J. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.
- L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
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3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. BIKE ROOM LIGHT FIXTURES CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. PROVIDE POWER CONNECTION FOR COVE LIGHTING AT ALL WALL NICHES TO WALL WASH ART INSTALLATIONS. REFER TO INTERIOR DECORATOR'S INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING LENGTH, LOCATIONS AND CONTROL TYPE TO BE INSTALLED. USE FIXTURE TYPE 'C1' AND TIE INTO LOBBY LIGHTING CIRCUIT H1-5.
10. PROVIDE CEILING MOUNTED PHOTOCELL TO PROVIDE DIMMING OF LIGHT FIXTURES DURING DAYLIGHT PERIODS.
11. NOT USED.
12. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.
13. FITNESS ROOM LIGHT FIXTURES SHALL BE CONTROLLED VIA OCCUPANCY SENSOR, SUCH THAT LIGHTS SHALL DIM DOWN BY 50% DURING PERIODS OF NO ACTIVITY AND RETURN TO 100% LIGHT OUTPUT ON OCCUPANCY DETECTION. FIXTURES SHALL REMAIN ON FOR A MINIMUM OF 30 MINUTES OF AREA VACANCY.
14. CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.

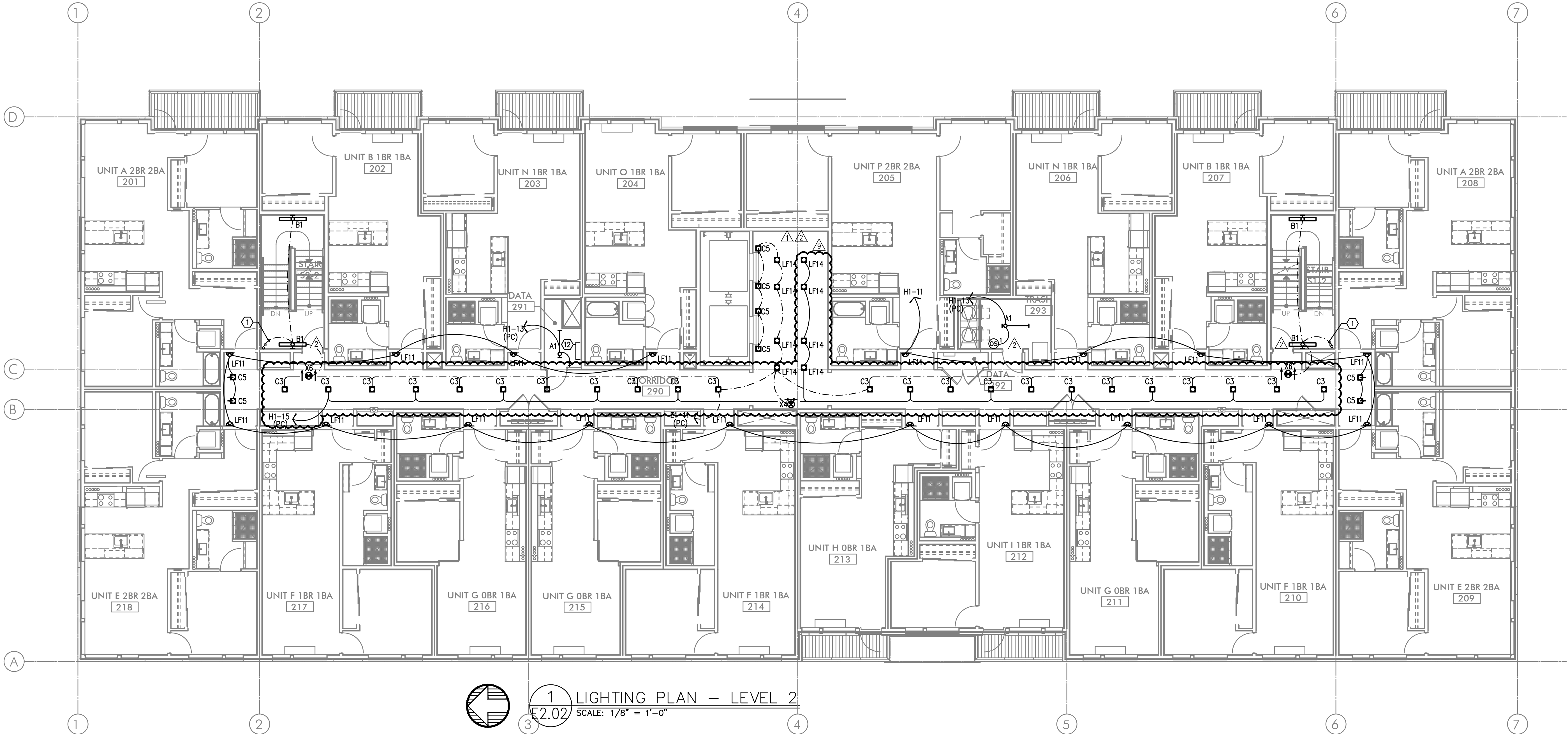


GENERAL LIGHTING NOTES:

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1 LIGHTING PLAN - LEVEL 2
E2.02 SCALE: 1/8" = 1'-0"

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PROJECT # 2017-053
DATE: 11/06/2019

- REVISIONS
- △ PLAN REVIEW 01.24.2020
 - △ PLAN REVIEW 03.13.2020
 - △ PLAN REVIEW 04.24.2020
 - △ PLAN REVIEW 08.10.2020
 - △ PLAN REVIEW 09.17.2020
 - △ PLAN REVIEW 10.16.2020
 - △ PLAN REVIEW 11.25.2020
 - △ PLAN REVIEW xx.xx.2021

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MIXED-USE DEVELOPMENT
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Consulting Engineers
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Portland, OR 97214
PHN: (503) 234-0548
FAX: (503) 234-0677
CONTACT: DENISE TAYLOR
WWW.MFA-ENG.COM

SHEET:

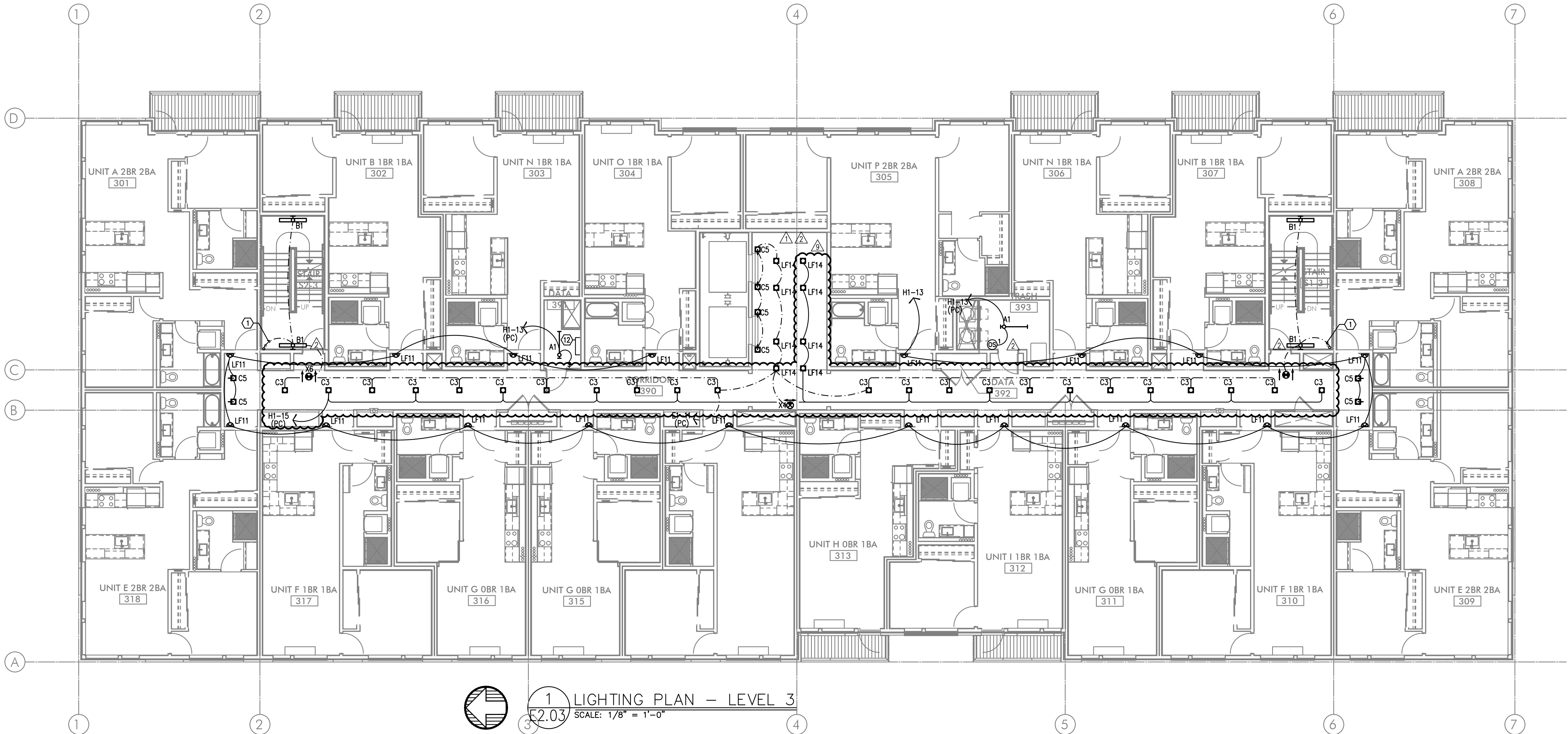
B
E2.02

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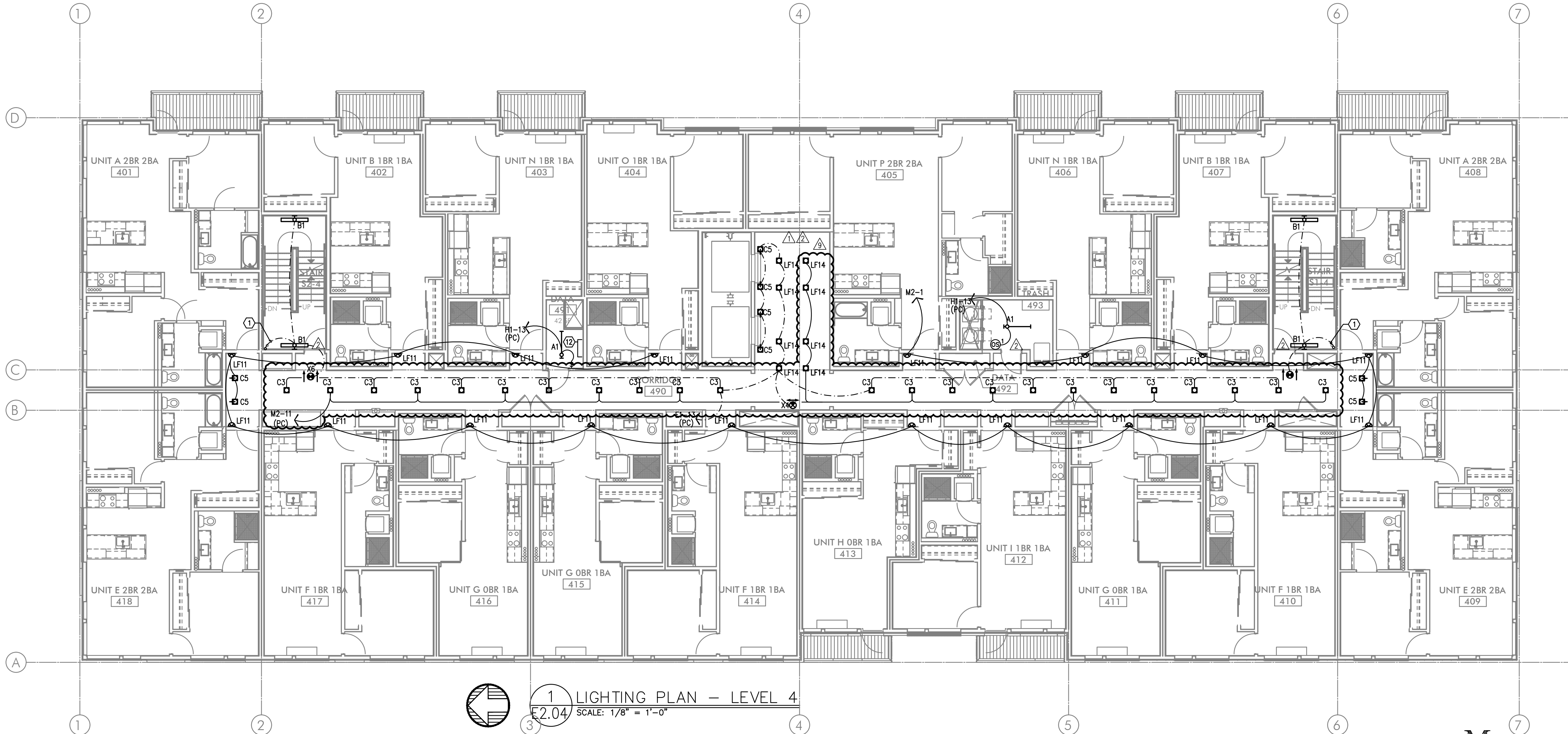


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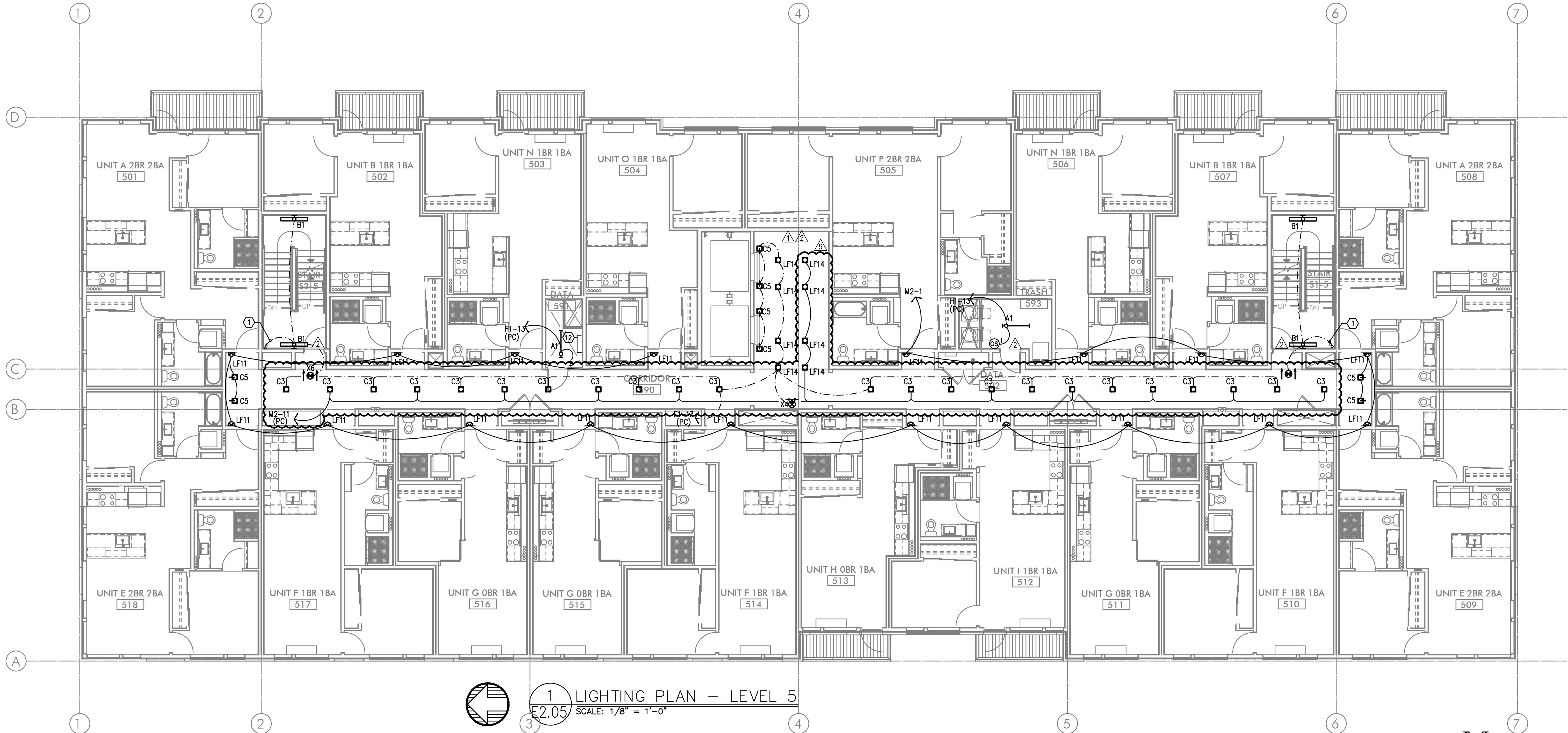


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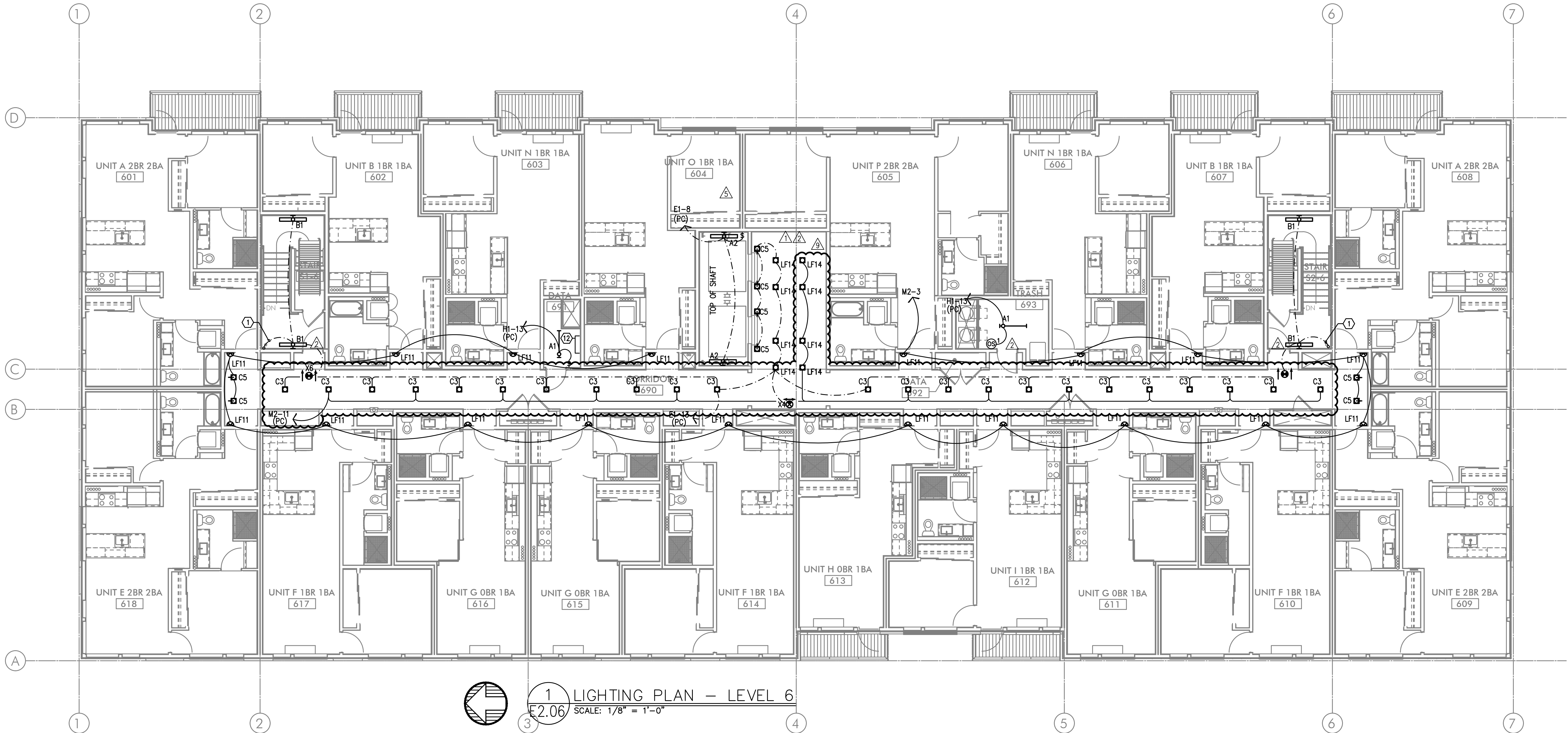


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PROJECT # 2017-053
DATE: 11/06/2019

- REVISIONS
- △ PLAN REVIEW 01.24.2020
 - △ PLAN REVIEW 03.13.2020
 - △ PLAN REVIEW 04.24.2020
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AEGIS
MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

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SHEET:

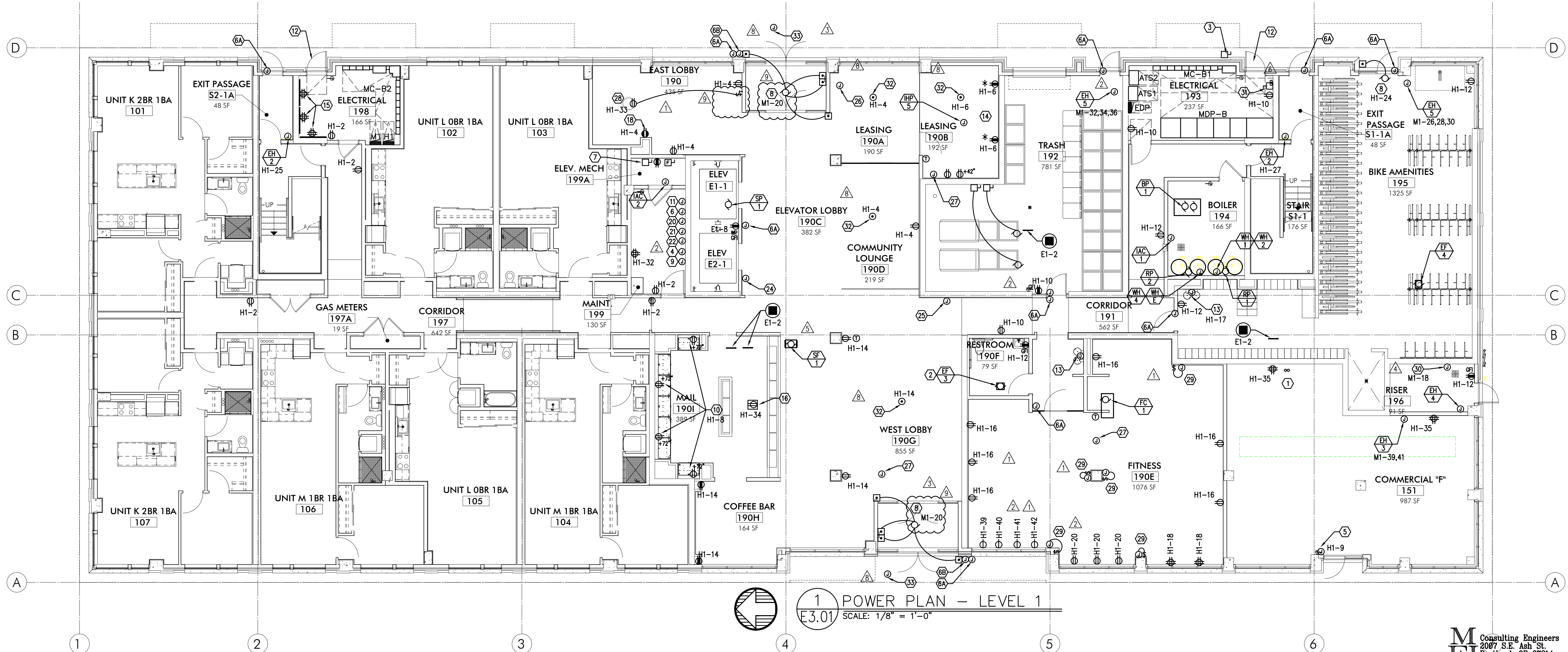
B
E2.06

GENERAL POWER NOTES:

- ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.
- ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.
- REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.
- REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.
- ELECTRICAL EQUIPMENT SHOWN IN THE ELECTRICAL ROOMS IS APPROXIMATE, BASED ON TYPICAL PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.
- CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, CLUB ROOM, LEASE OFFICE, ETC.
- THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.
- "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

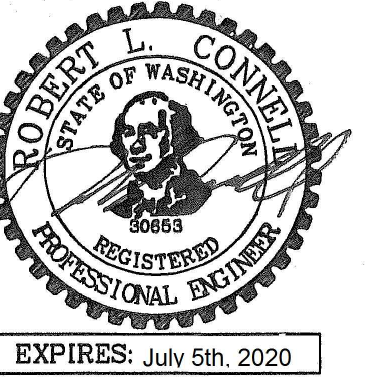
KEYED NOTES:

- ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC1 UNDER SLAB AND STUB-UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
- EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
- GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 27.
- 20A, 120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 24 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
- ENTRY ACCESS POINT.
- APARTMENT CALL DIRECTORY.
- VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'M1' FOR AUTOMATIC DOOR OPENERS.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'H1' FOR DAS SYSTEM.
- PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H1, CKT 31. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
- ELECTRICAL SERVICE METER ROOMS SHALL HAVE OUTWARD SWING DOORS EQUIPPED WITH PANIC HARDWARE. PROVIDE A KEY BOX AT THE EXTERIOR FOR CLARK PUBLIC UTILITIES 24/7 ACCESS.
- CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS OF THE DRINKING FOUNTAIN, IF ANY AND PROVIDE CIRCUIT FROM PANE H1.
- PER WASHINGTON STATE ENERGY CODE C405.10, AT LEAST 50% OF THE RECEPTACLES IN THIS SPACE SHALL BE CONTROLLED. RECEPTACLES NOTED WITH '*' SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND SHALL 'TURN OFF' AFTER A MINIMUM OF 30 MINUTES OF IN-ACTIVITY WITHIN THE SPACE. PROVIDE APPROPRIATE IDENTIFICATION OF EACH CONTROLLED RECEPTACLE. REFER TO THE PANEL SCHEDULES ON E1.12 FOR ADDITIONAL INFORMATION ON WHICH CIRCUIT IS TO BE THE CONTROLLED CIRCUIT.
- LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'M1' SCHEDULE ON E1.16 FOR CIRCUITS.
- CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.
- SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.
- HORIZONTAL RECEPTACLE IN BANQUETTE FACE. REFER TO THE ARCHITECT AND INTERIOR DECORATOR PLANS FOR ADDITIONAL INFORMATION. PROVIDE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL E1, CKTS 19 & 21 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.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 17 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 34 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 23 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
- NOT USED.
- AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED.
- PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
- PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
- PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. CIRCUIT FROM PANEL 'H1'.
- CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL 'H1', CKT 33. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") FOR FIREPLACE IGNITER CONTROLS.
- PROVIDE TWO 20A, 120V CIRCUITS, FROM PANEL 'H1' FOR WALL MOUNTED FANS, PROVIDED BY OTHERS. CONSULT INTERIOR DECORATOR FOR EXACT POWER REQUIREMENTS AND MOUNTING HEIGHTS. PROVIDE CONTROL SWITCH PER MANUFACTURER'S/DECORATOR'S DIRECTION.
- PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.
- PROVIDE TWO 1-1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.
- CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 40 TO J-BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.



1 POWER PLAN - LEVEL 1
E3.01 SCALE: 1/8" = 1'-0"

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E4.01

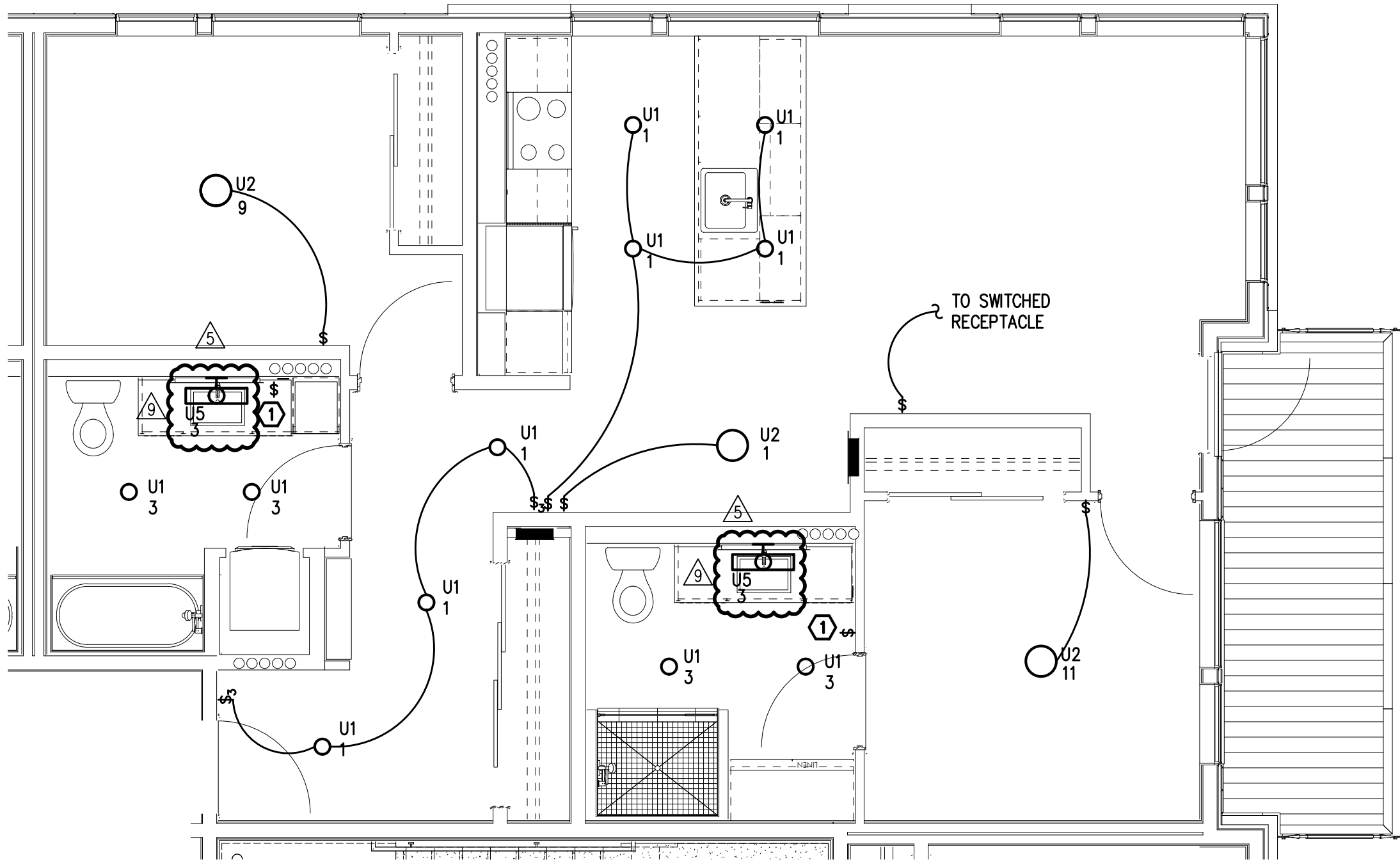
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GENERAL NOTES:

- 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.
- ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS, CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.

KEYED NOTES:

- REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
- NOT USED.
- RECEPTACLE FOR PTHP UNIT SHALL BE LOCATED BELOW THE UNIT, NEAR THE BASE OF THE WALL SUCH THAT THE CORD SET IS CONCEALED AS MUCH AS POSSIBLE. COORDINATE INSTALLATION WITH THE MECHANICAL INSTALLER.
- LOCATE SWITCH FOR SINK LIGHT AT THE END OF THE COUNTER, JUST UNDER THE EDGE OF THE COUNTER TOP.
- SWITCHING FOR CEILING FAN SHALL BE MANUFACTURER'S RECOMMENDATION FOR LIGHT AND FAN CONTROL.
- REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATION AND MOUNTING OF UNDER CABINET LIGHTS.





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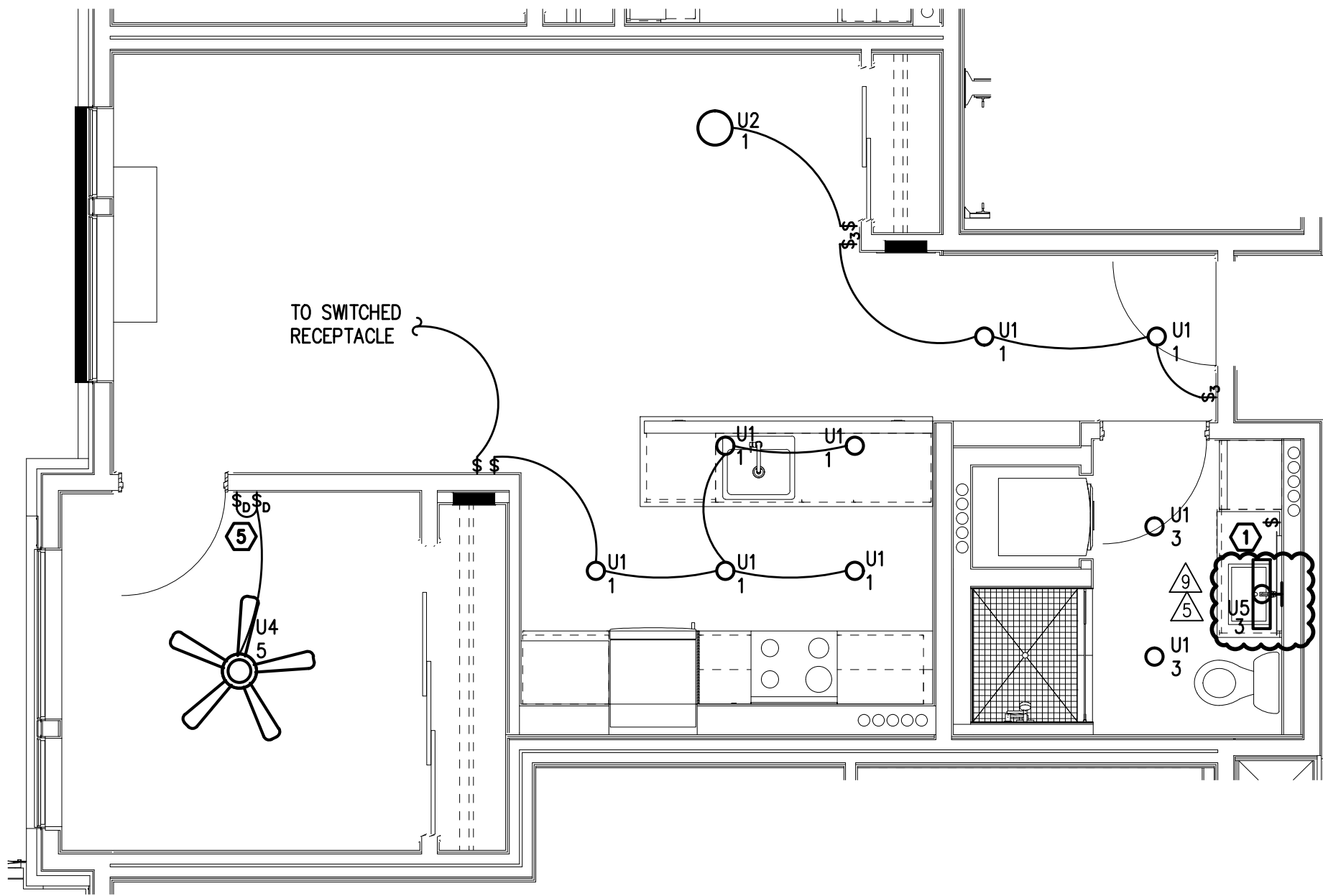
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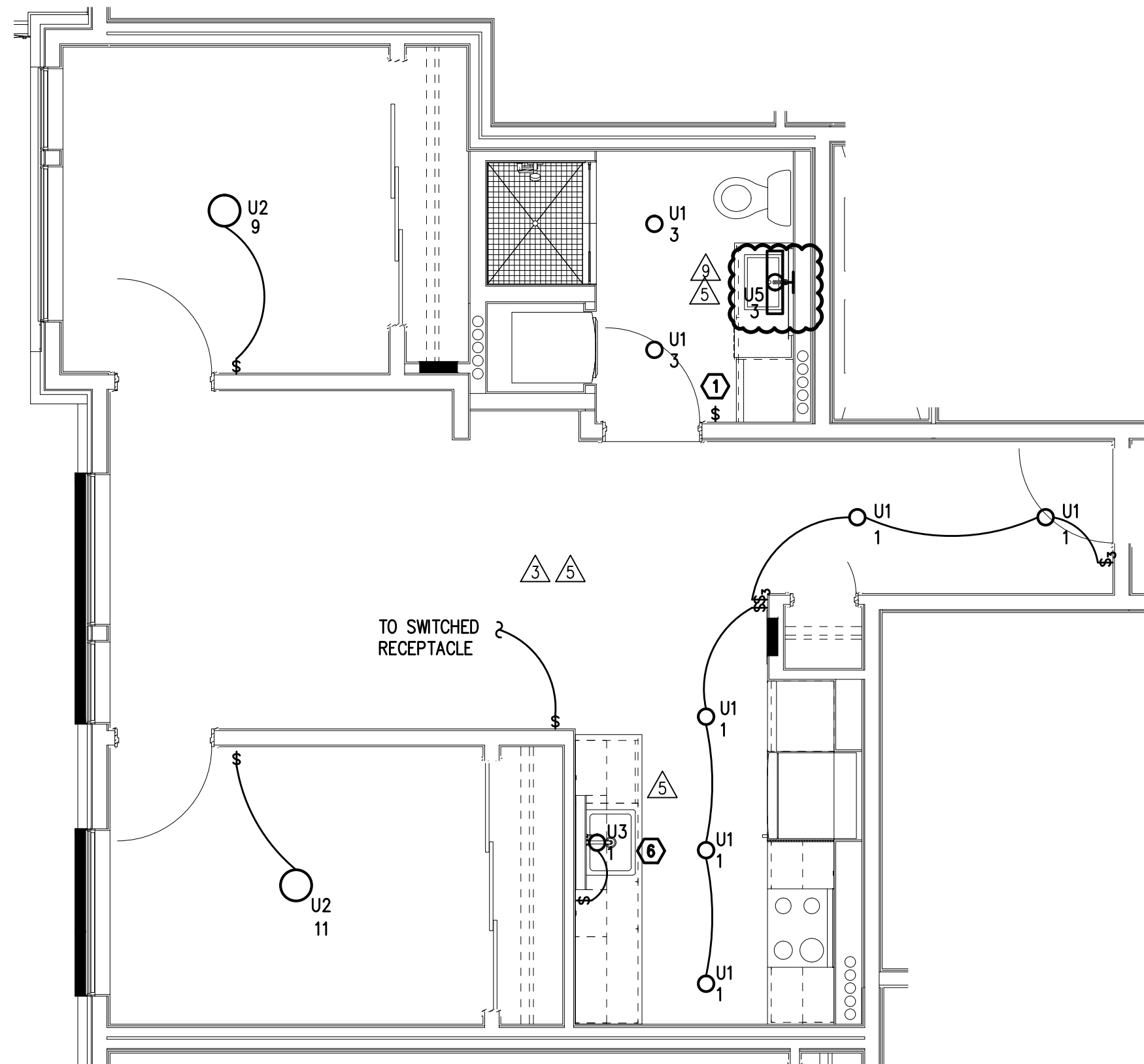
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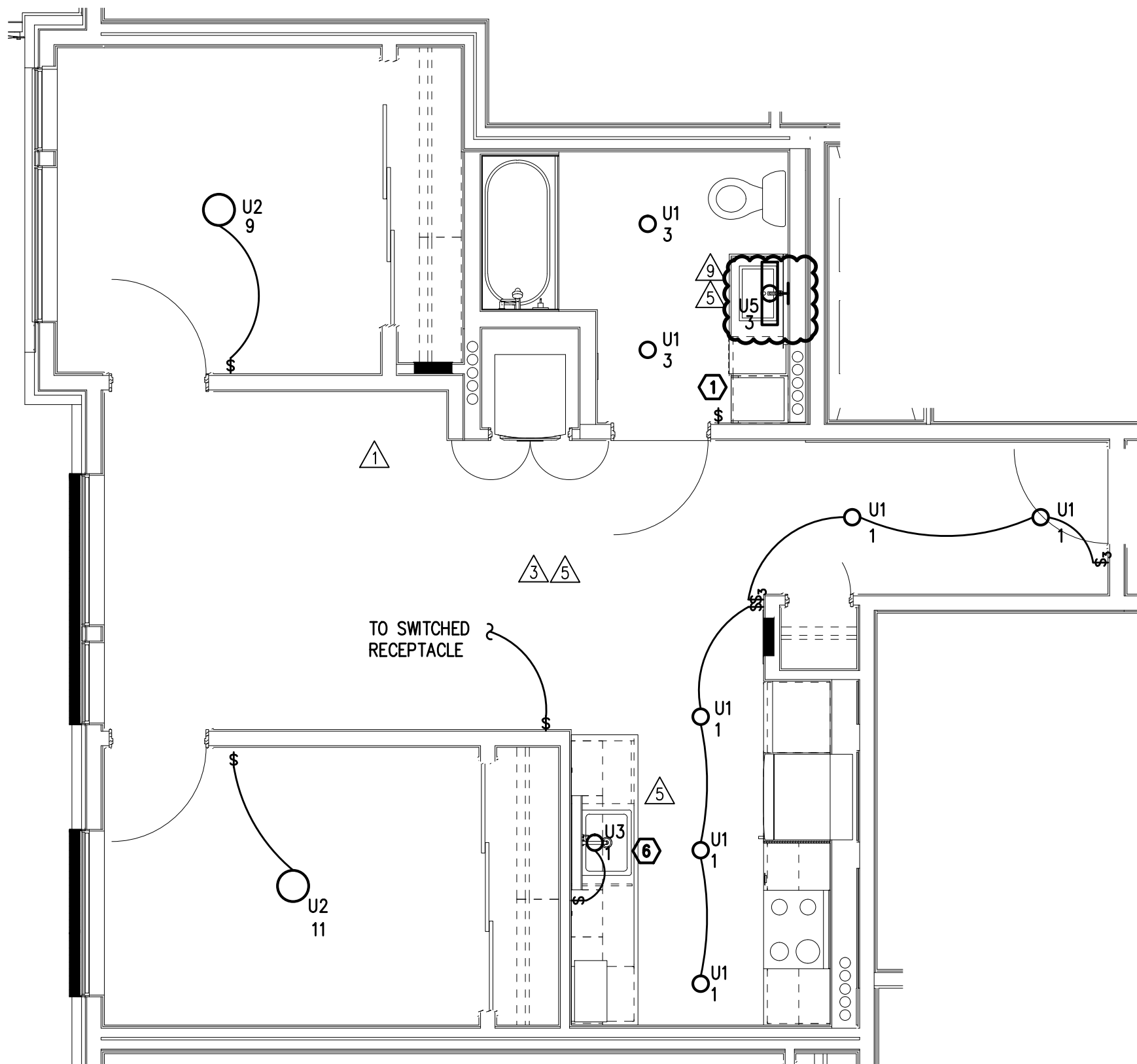
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- REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATION AND MOUNTING OF UNDER CABINET LIGHTS.



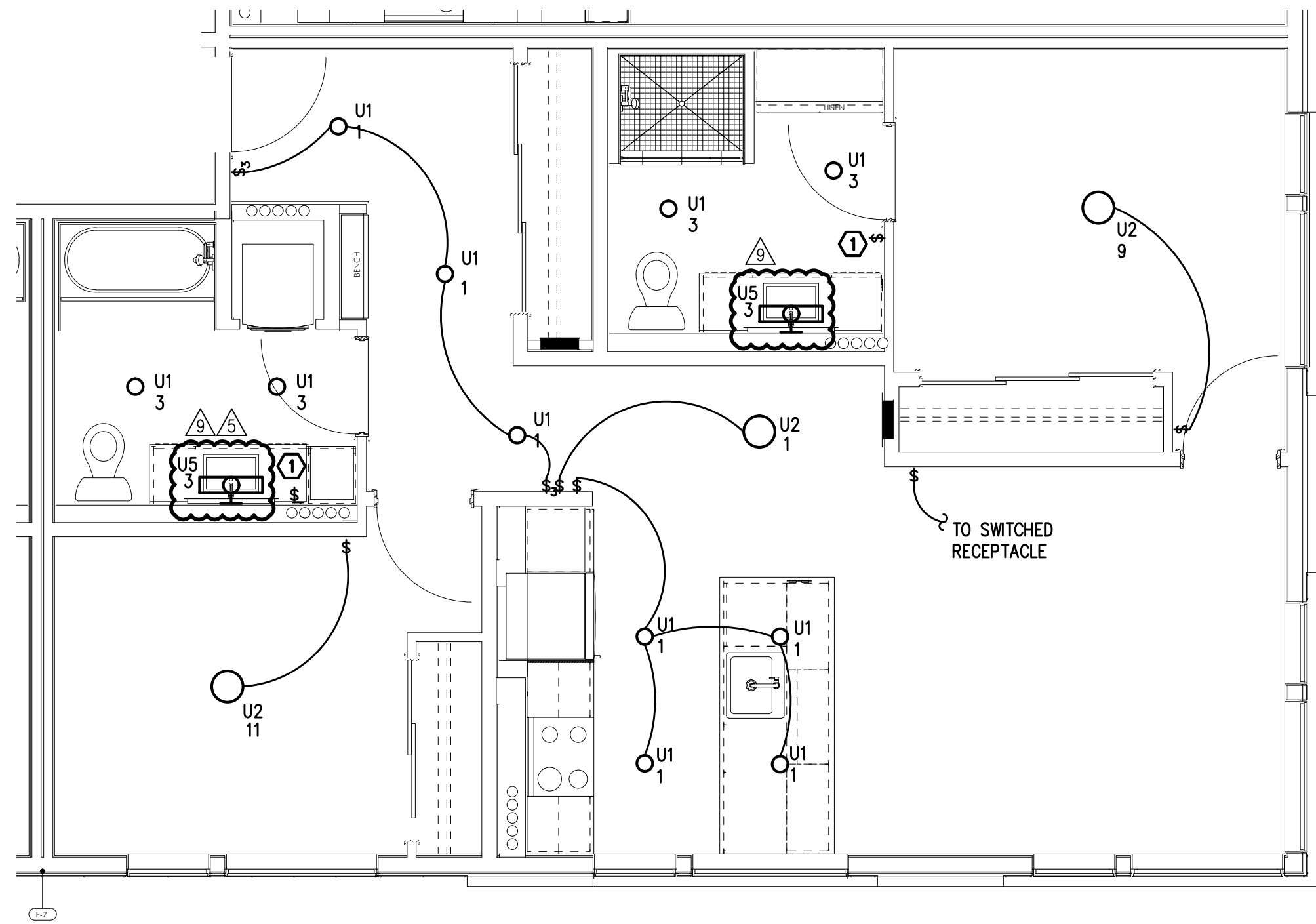
1
TYPICAL UNIT TYPE C
1 BED/1 BATH - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



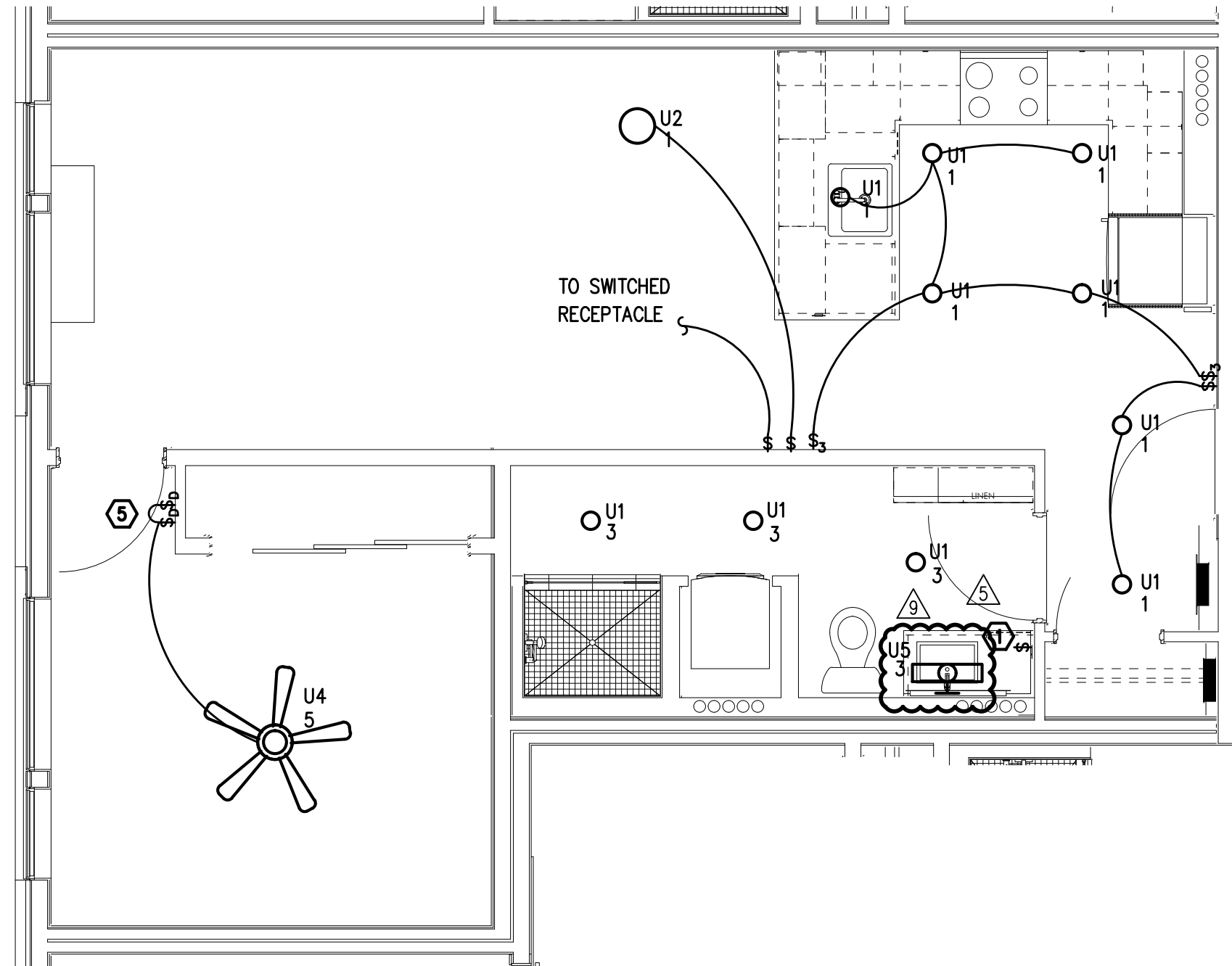
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TYPICAL UNIT TYPE D
2 BED/1 BATH - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



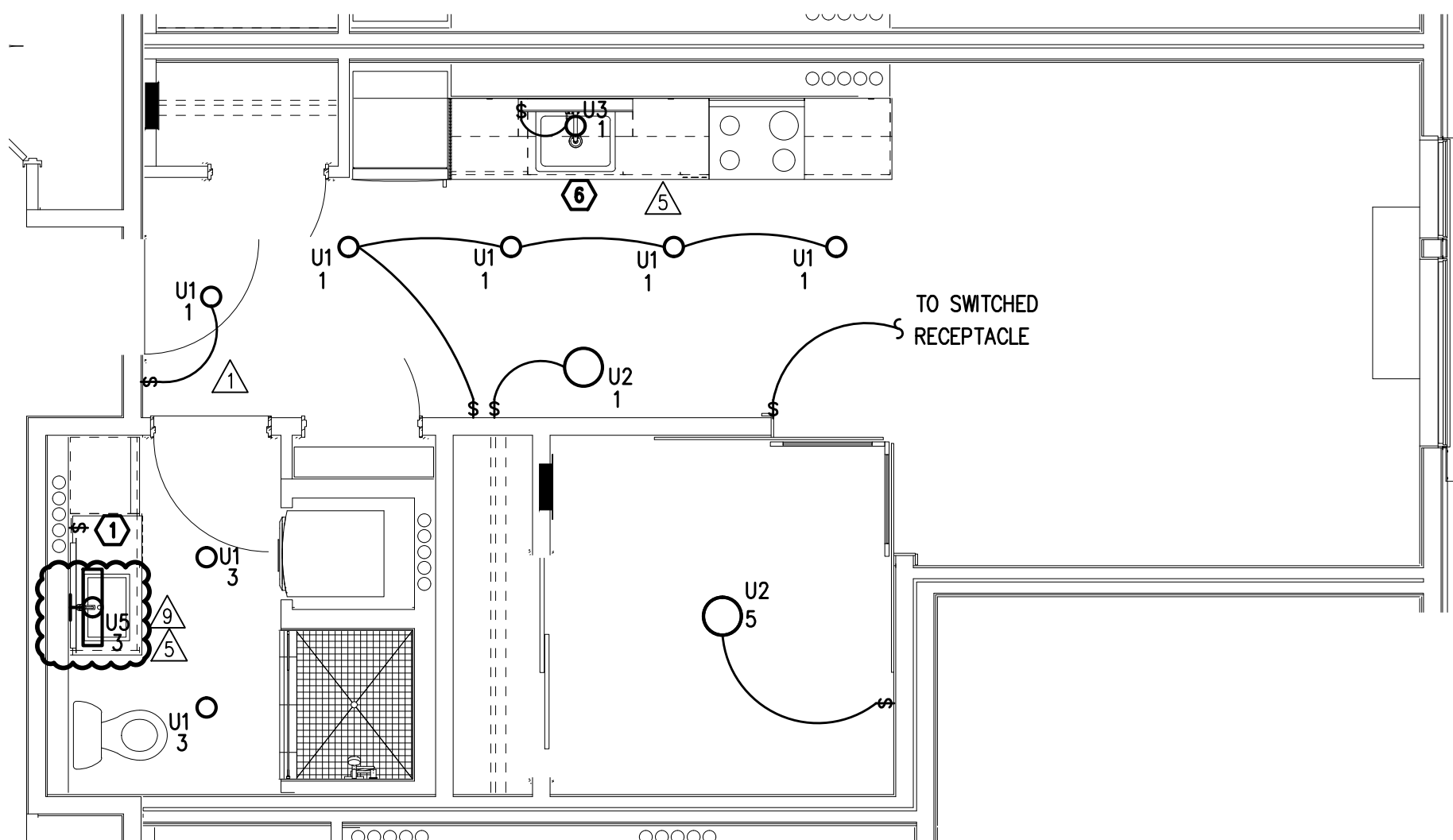
3
TYPICAL UNIT TYPE D-ADA
2 BED/1 BATH - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



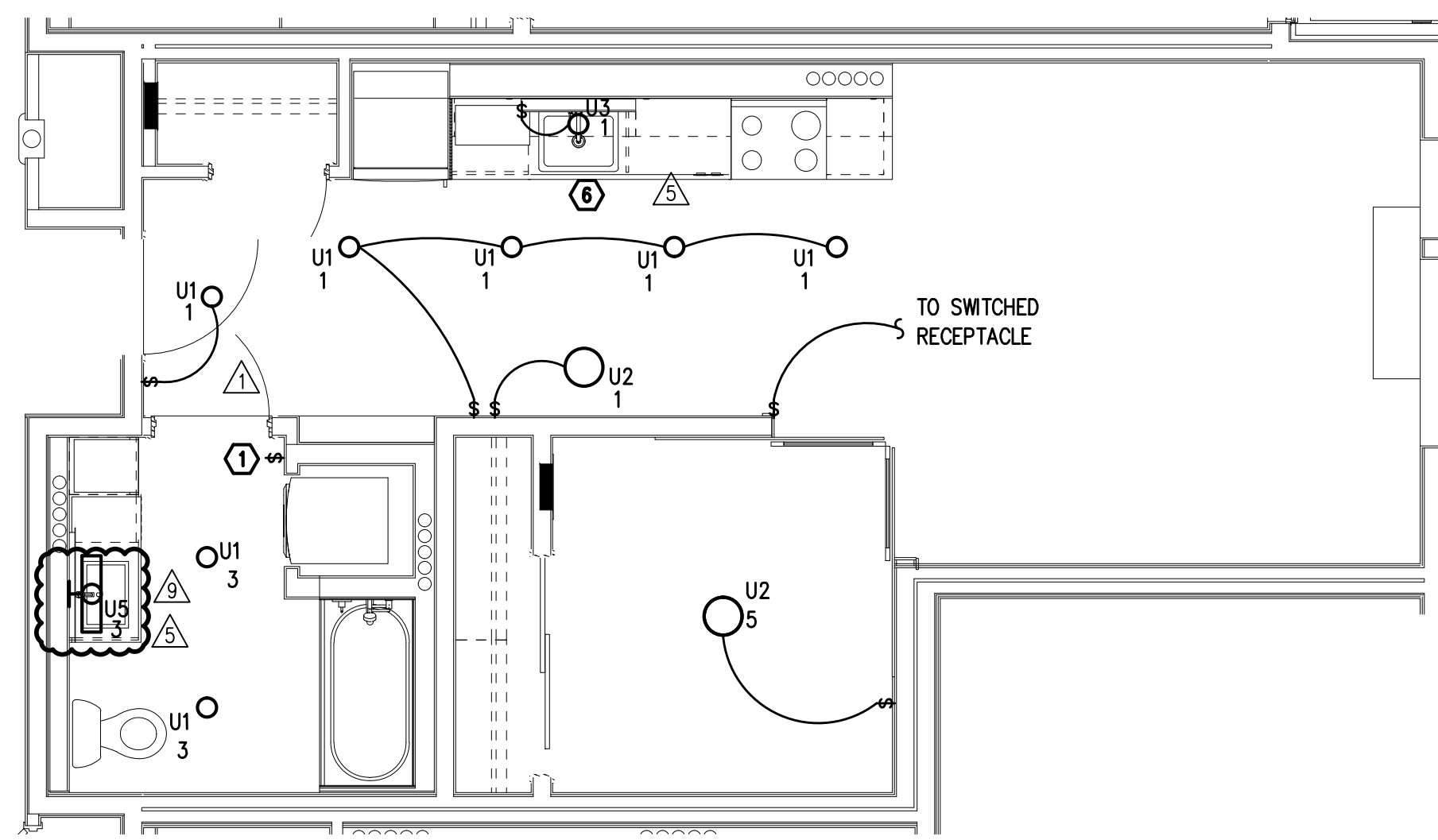
2
E4.02
TYPICAL UNIT TYPE E
2 BED/2 BATH - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



3
E4.02
TYPICAL UNIT TYPE F
1 BED/1 BATH - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



1
E4.03
TYPICAL UNIT TYPE G
0 BED/1 BATH - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



1
E4.03
TYPICAL UNIT TYPE G-ADA
0 BED/1 BATH - LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

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- REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS. CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.

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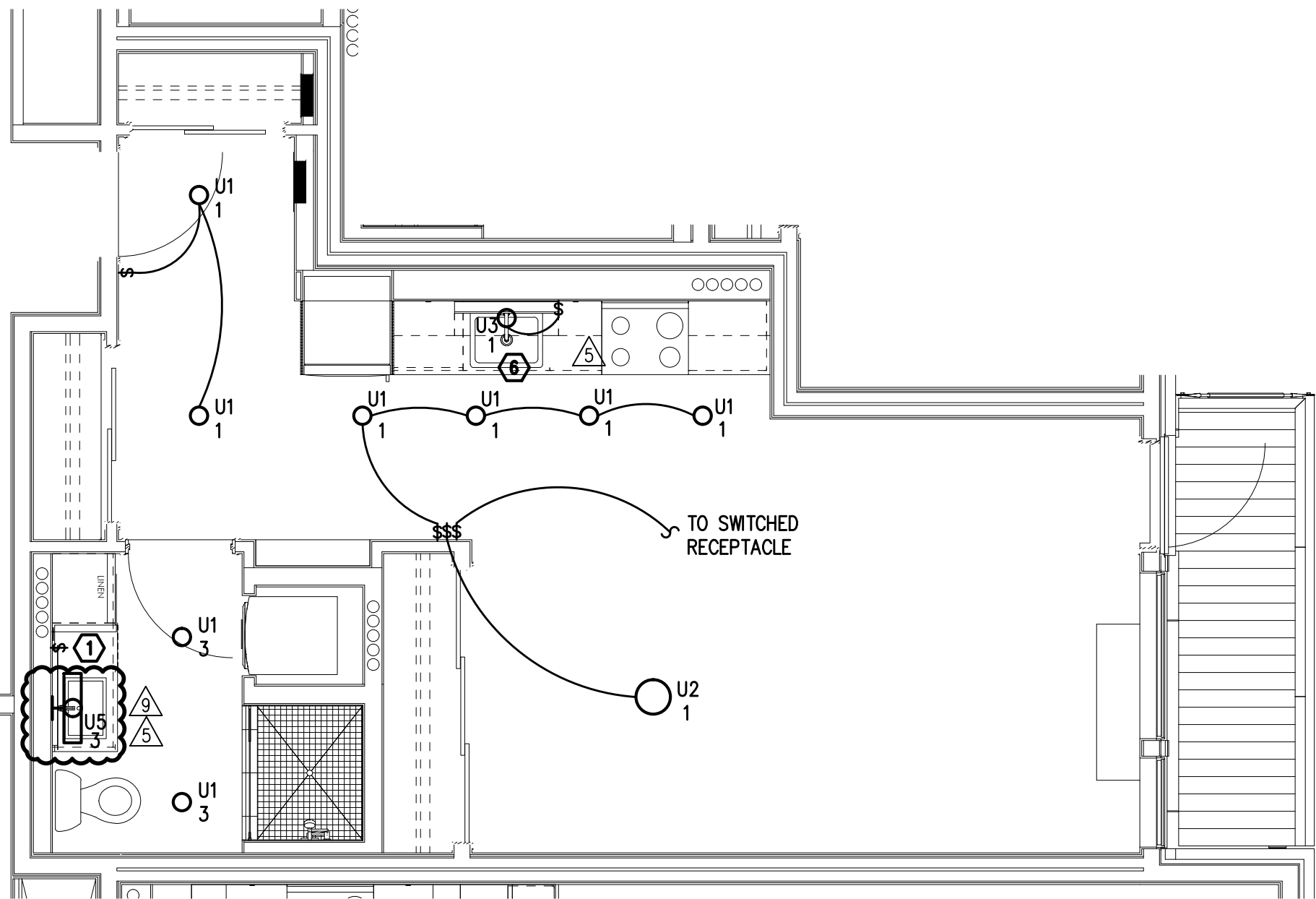
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- LOCATE SWITCH FOR SINK LIGHT AT THE END OF THE COUNTER, JUST UNDER THE EDGE OF THE COUNTER TOP.
- SWITCHING FOR CEILING FAN SHALL BE MANUFACTURER'S RECOMMENDATION FOR LIGHT AND FAN CONTROL.
- REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATION AND MOUNTING OF UNDER CABINET LIGHTS.

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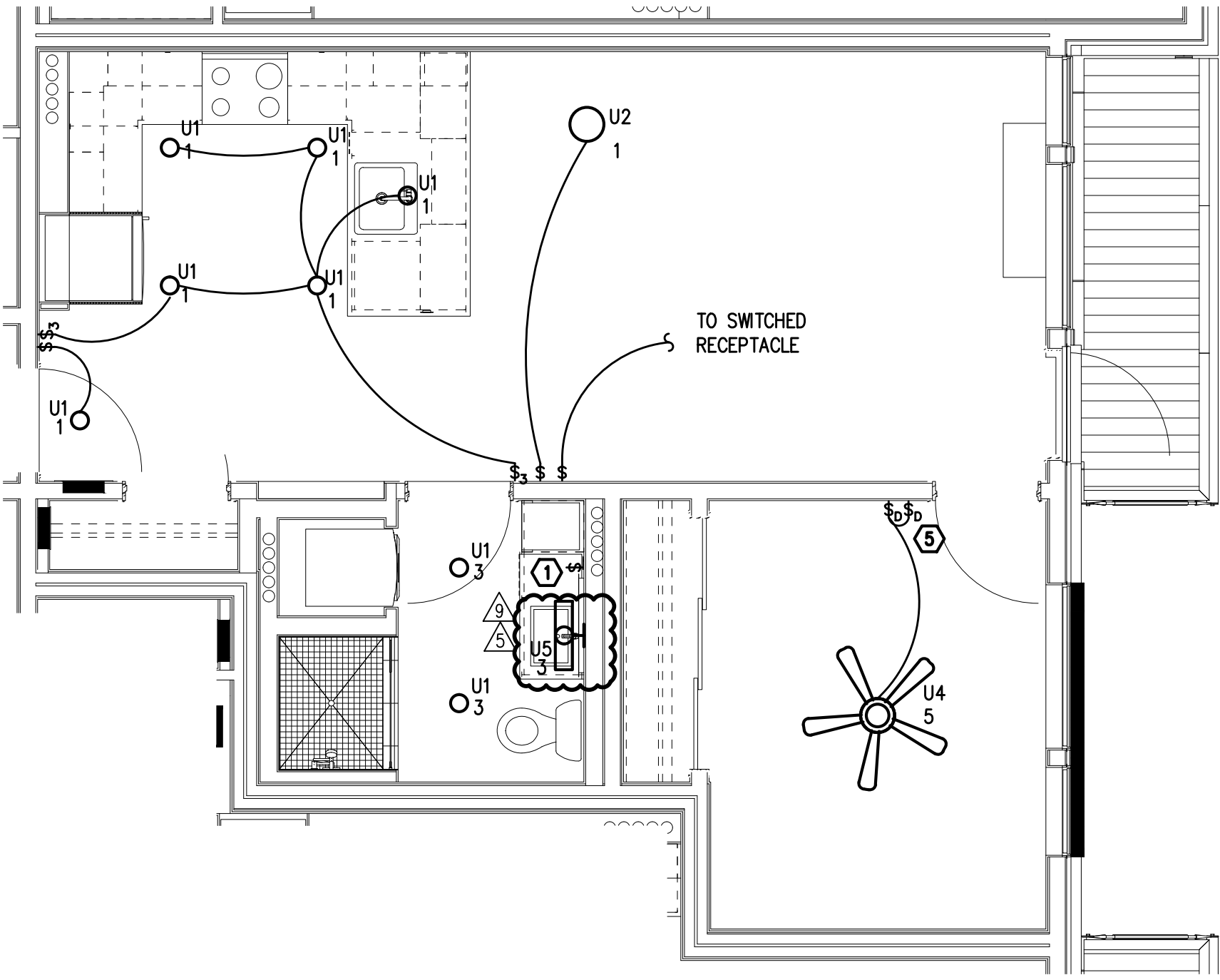
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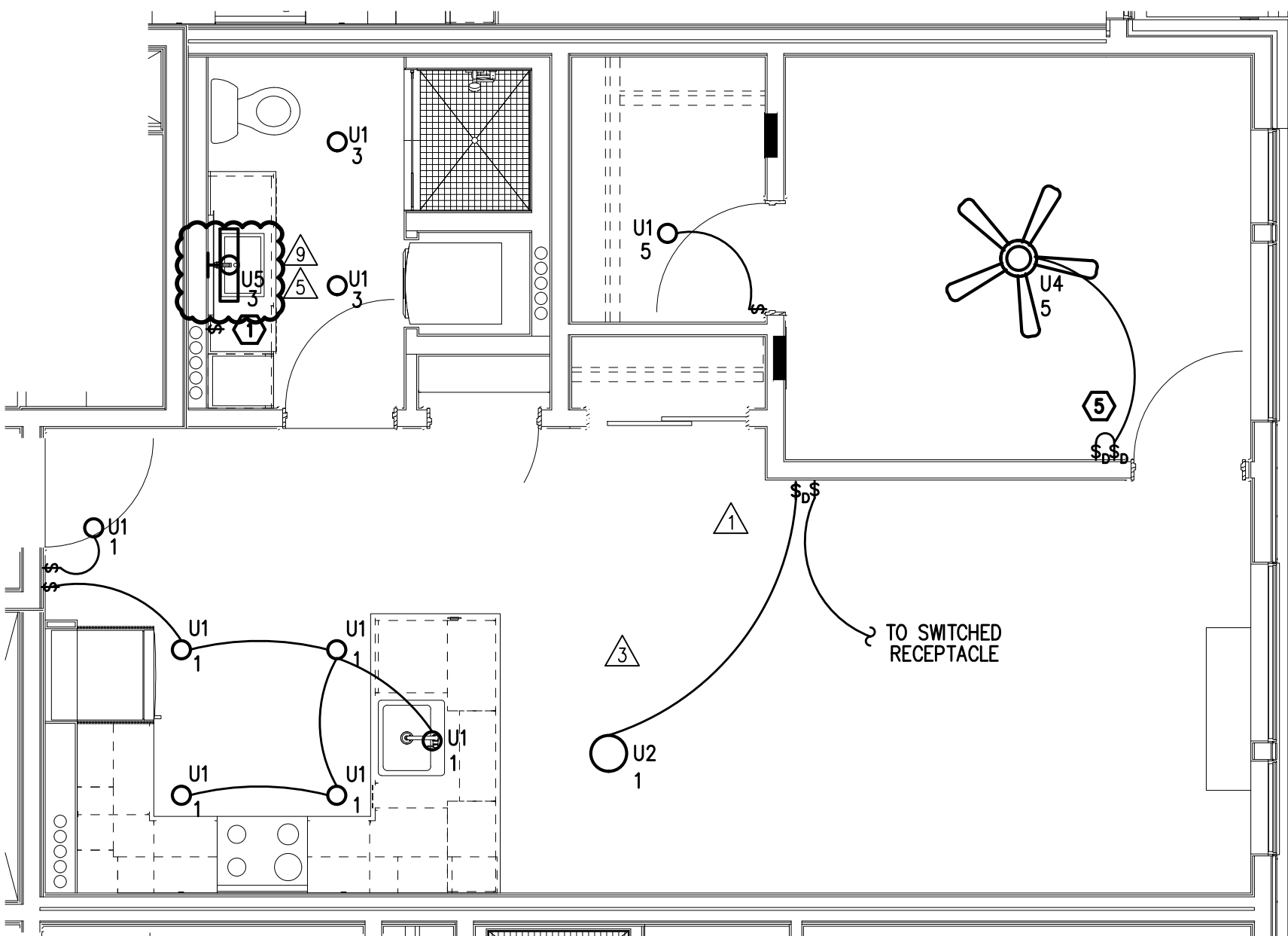
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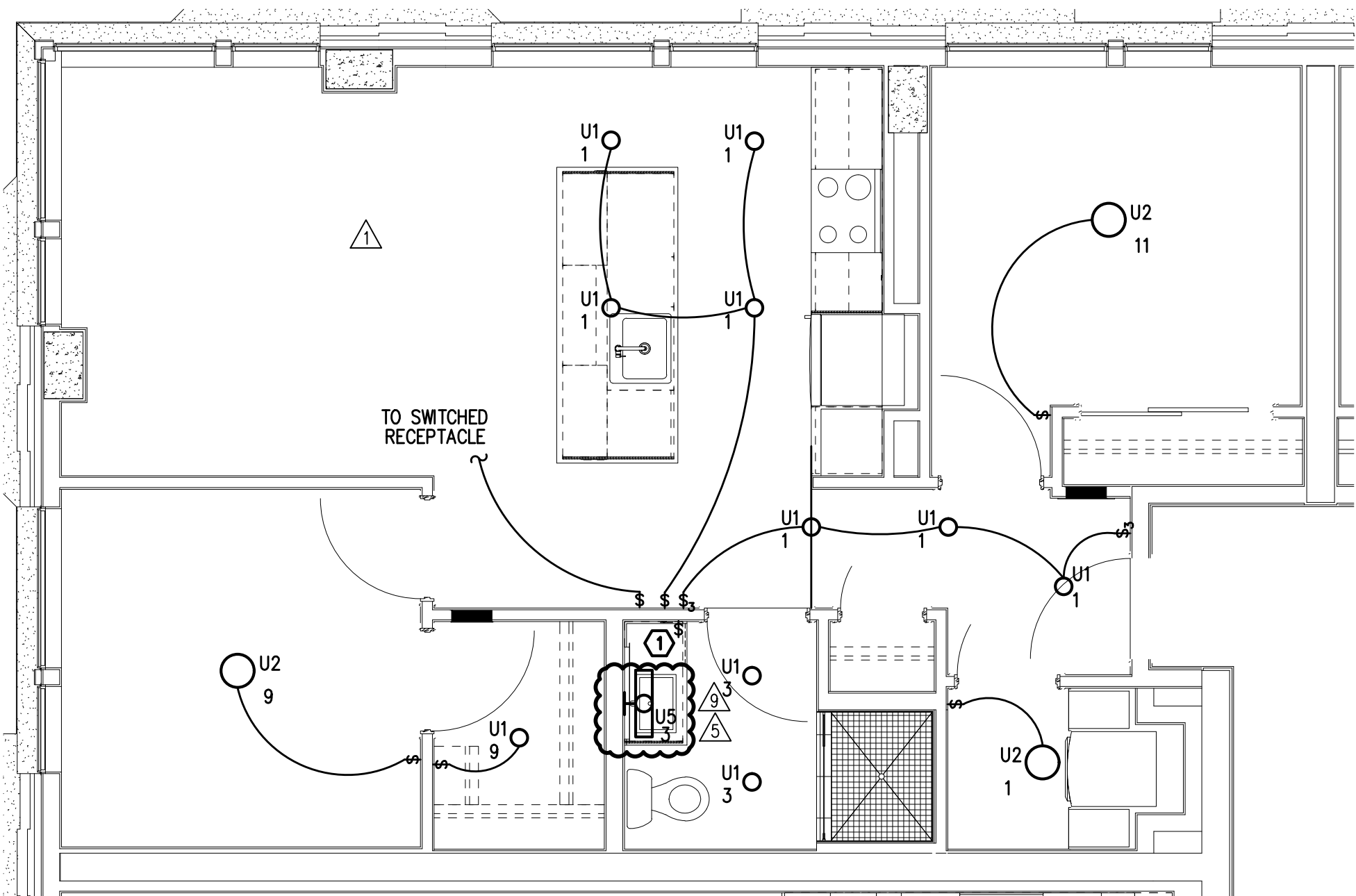
TYPICAL UNIT TYPE H
2 0 BED/1 BATH – LIGHTING PLAN
E4.03 SCALE: 1/4" = 1'-0"



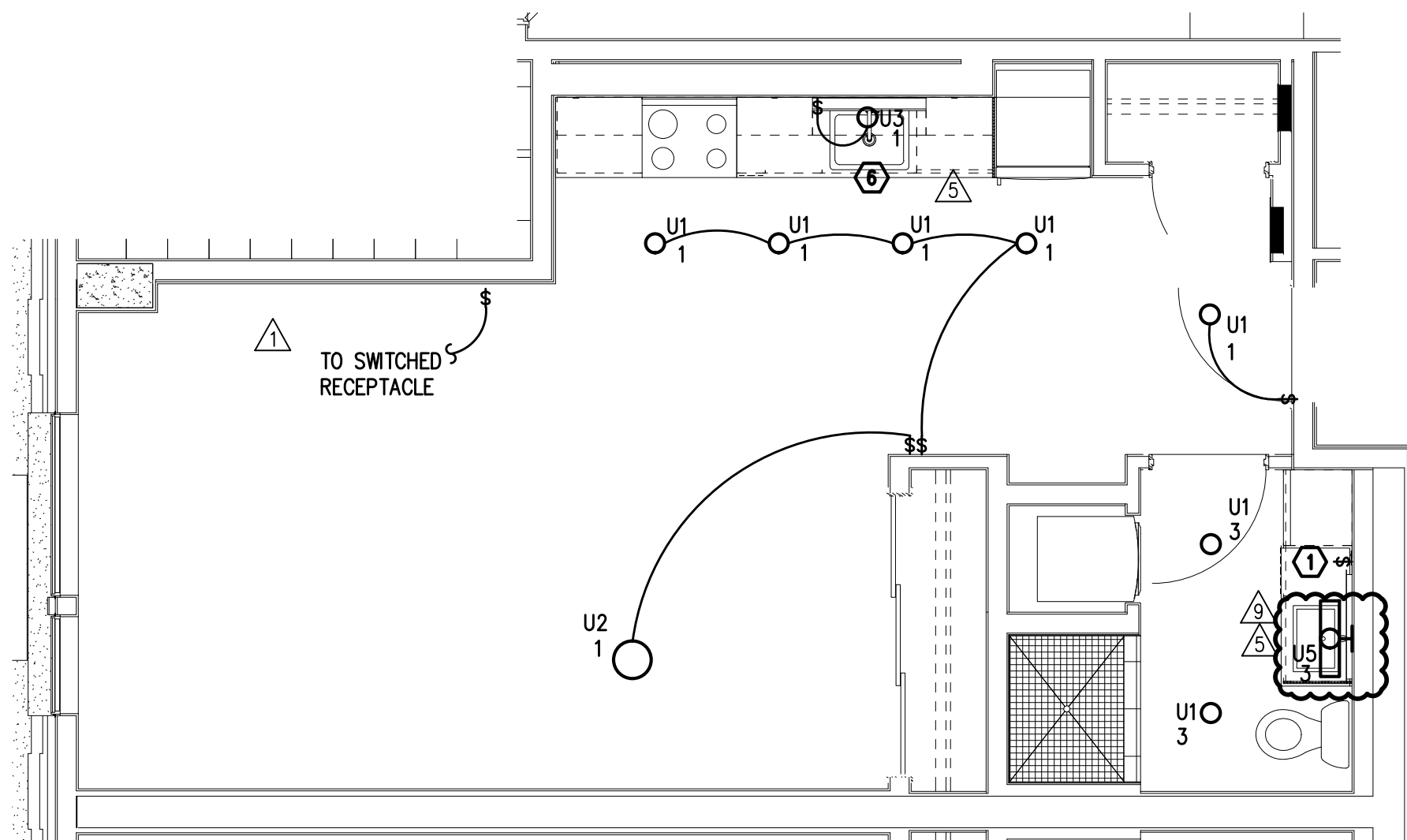
TYPICAL UNIT TYPE I
3 1 BED/1 BATH – LIGHTING PLAN
E4.03 SCALE: 1/4" = 1'-0"



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

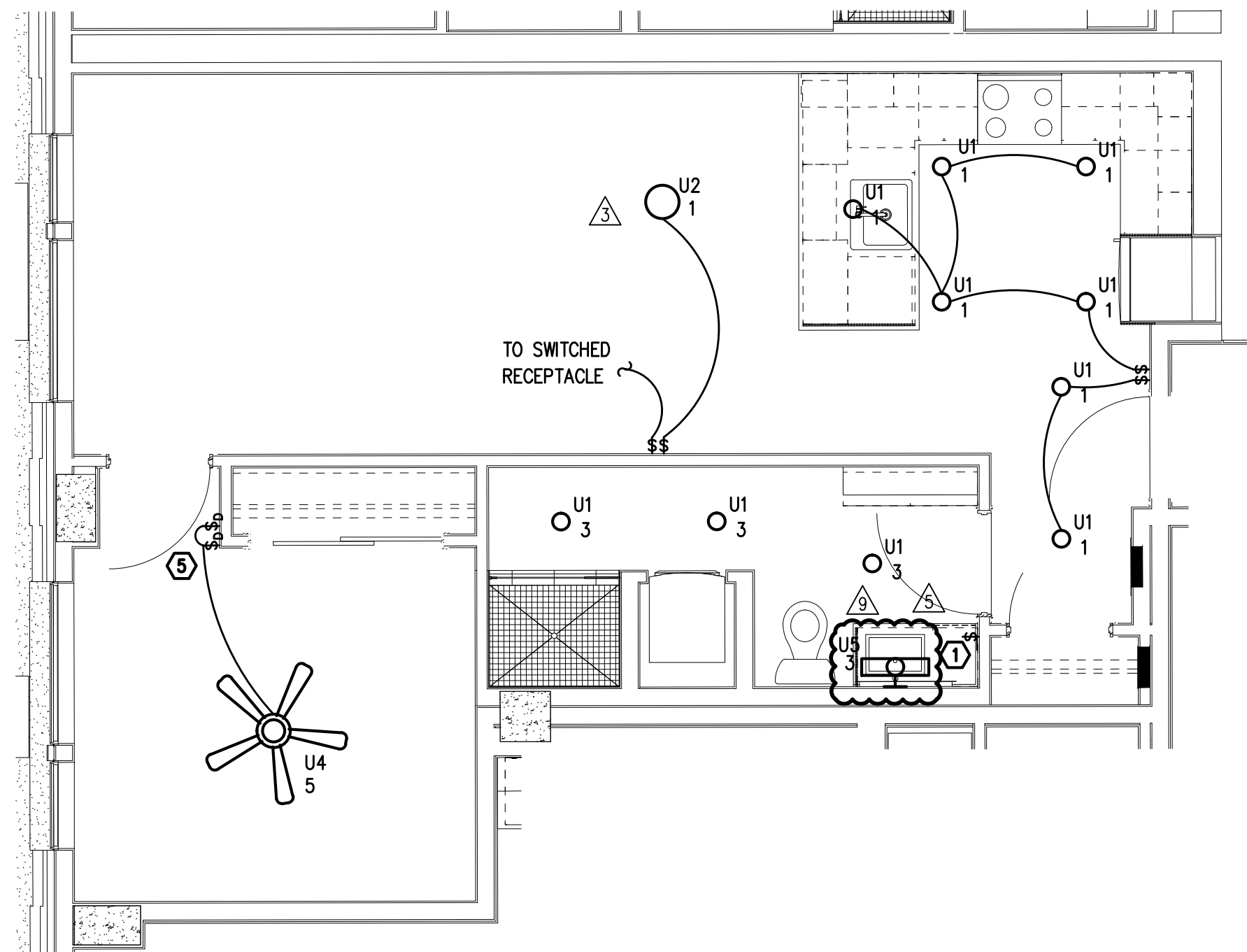


TYPICAL UNIT TYPE K
2 2 BED/1 BATH – LIGHTING PLAN
E4.04 SCALE: 1/4" = 1'-0"



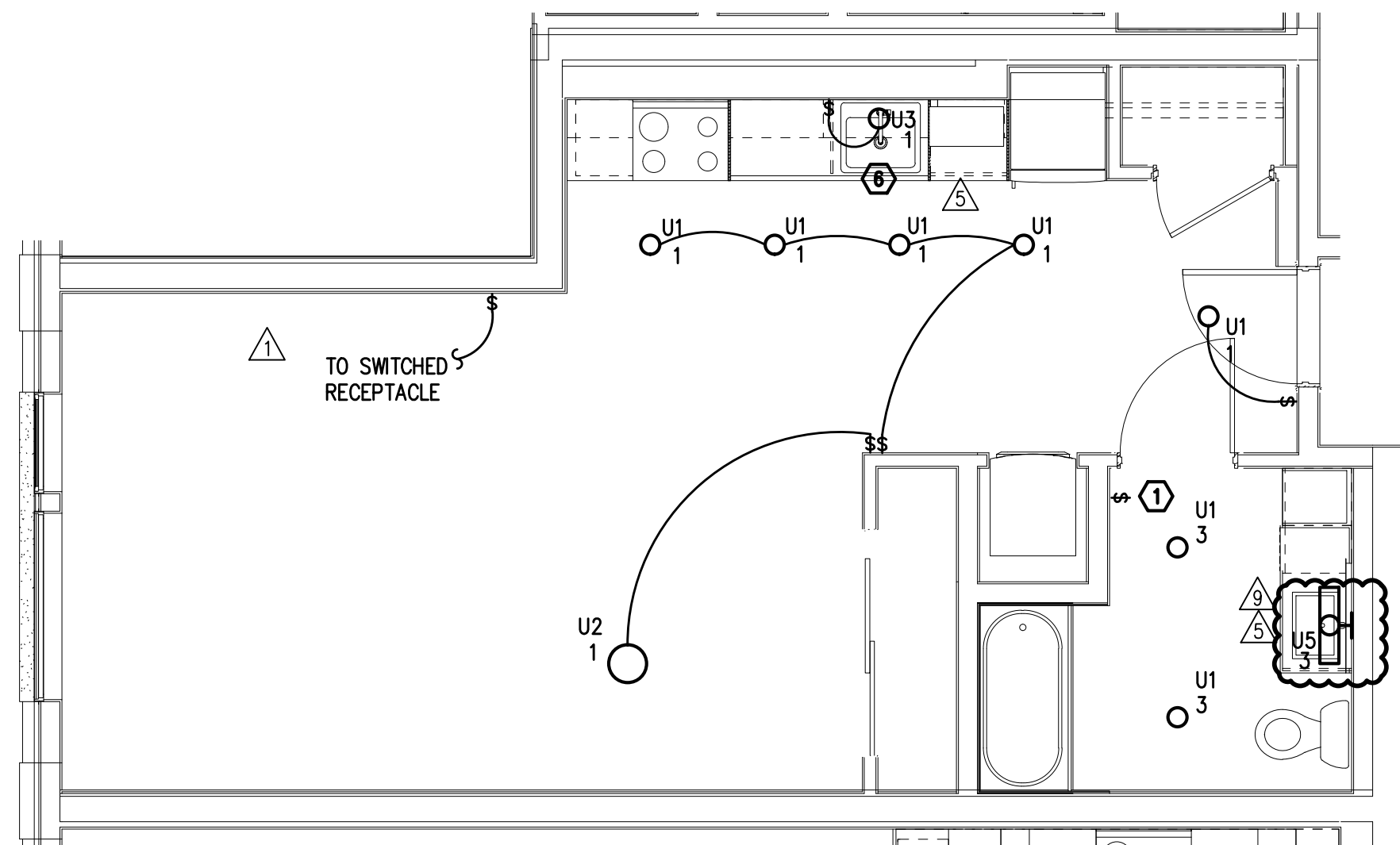
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E4.05

TYPICAL UNIT TYPE L
0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



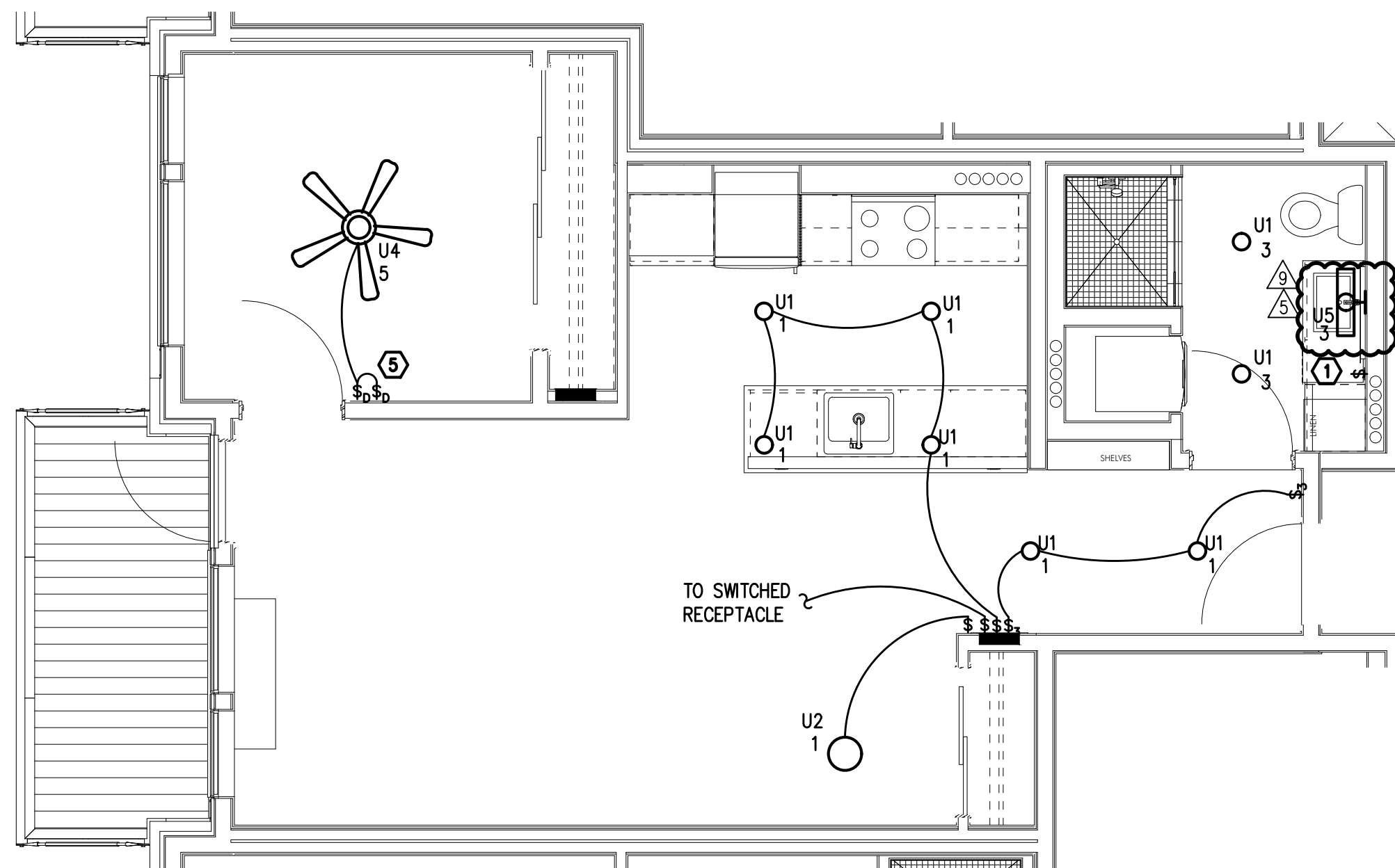
2
E4.05

TYPICAL UNIT TYPE M
1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



1
E4.05

TYPICAL UNIT TYPE L-ADA
0 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"



3
E4.05

TYPICAL UNIT TYPE N
1 BED/1 BATH – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- 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.
- ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS. CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.

KEYED NOTES:

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- LOCATE SWITCH FOR SINK LIGHT AT THE END OF THE COUNTER, JUST UNDER THE EDGE OF THE COUNTER TOP.
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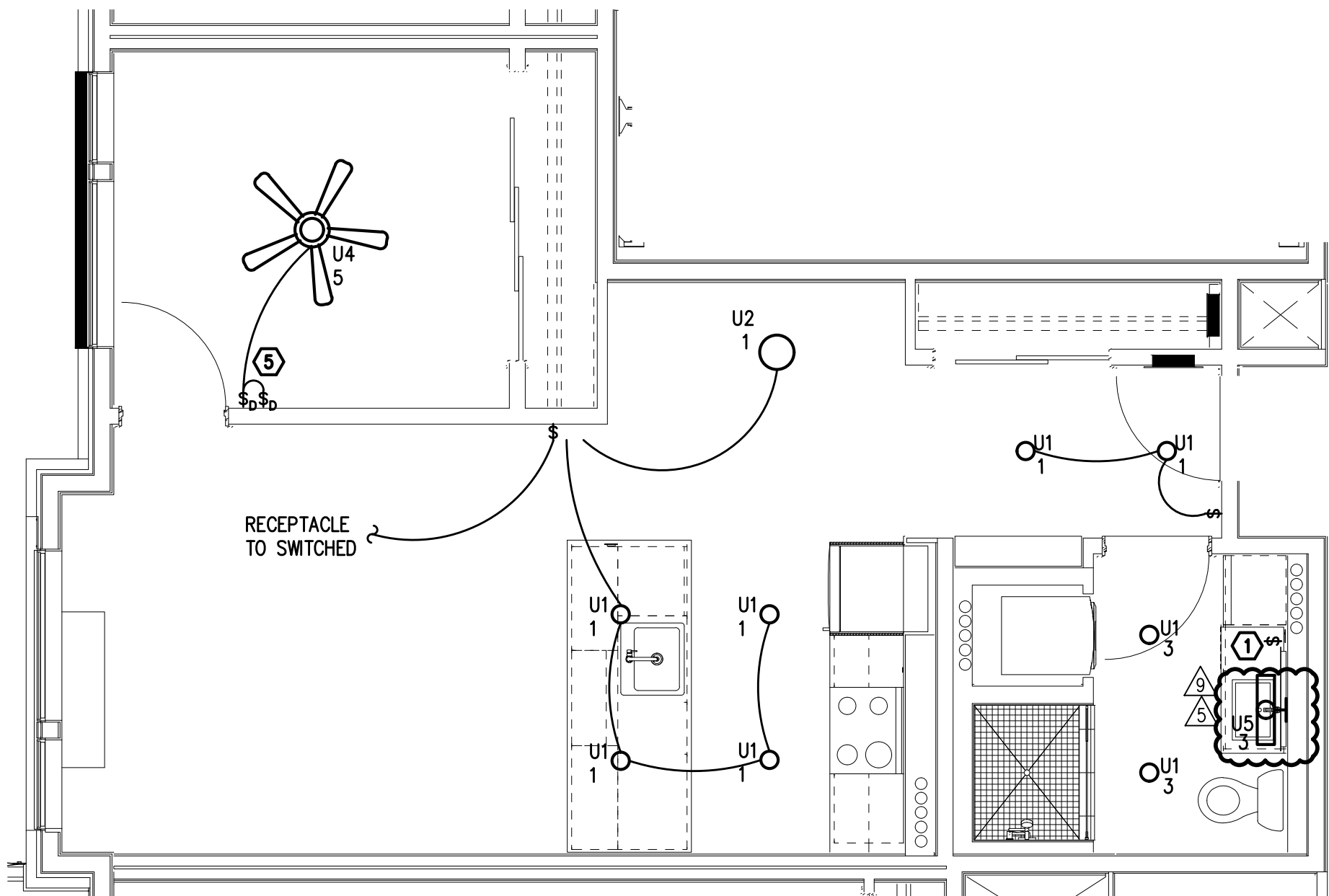
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GENERAL NOTES:

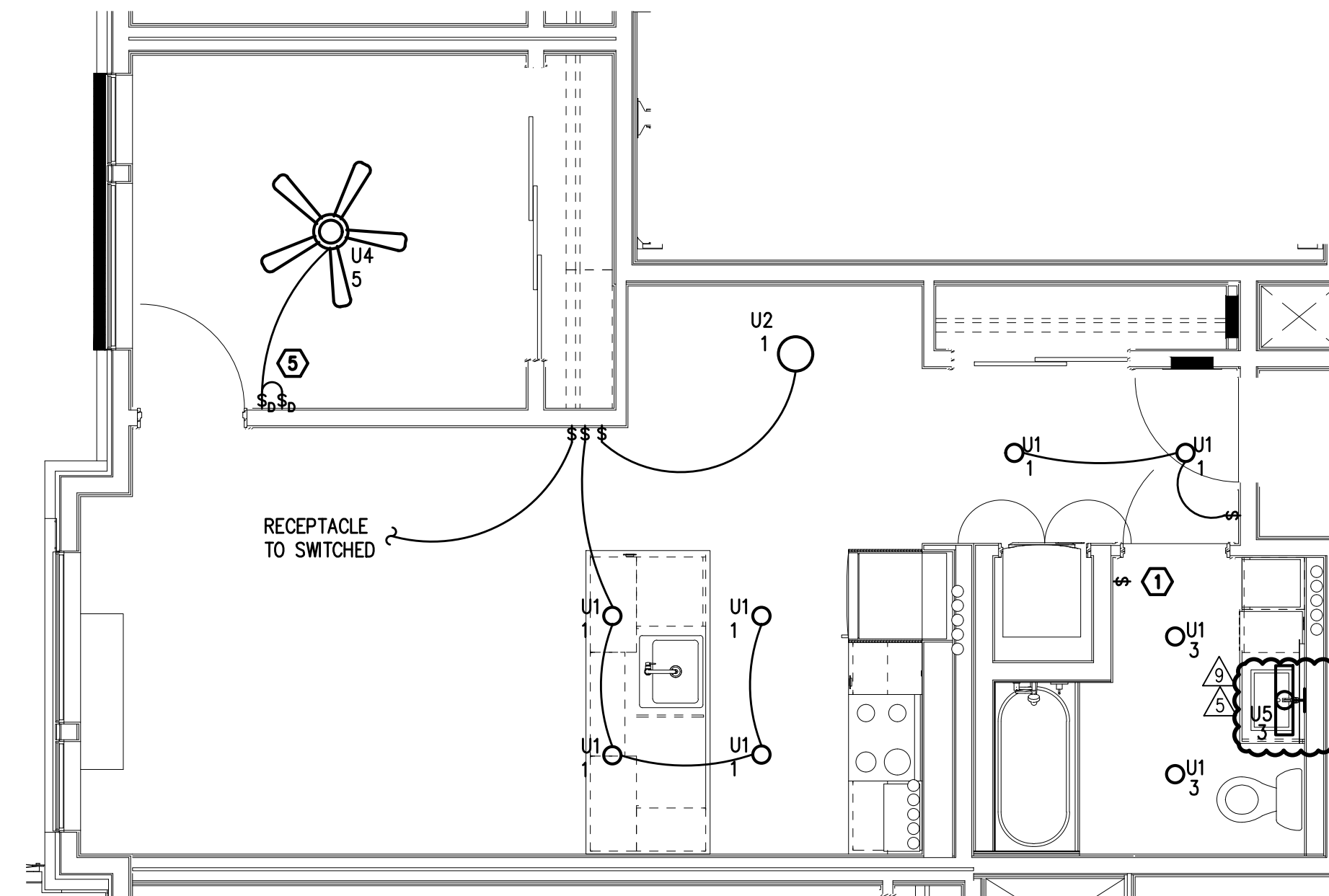
- ALL PLANS ARE DIAGRAMMATICAL. CONSULT ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.
- ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS, CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.

KEYED NOTES:

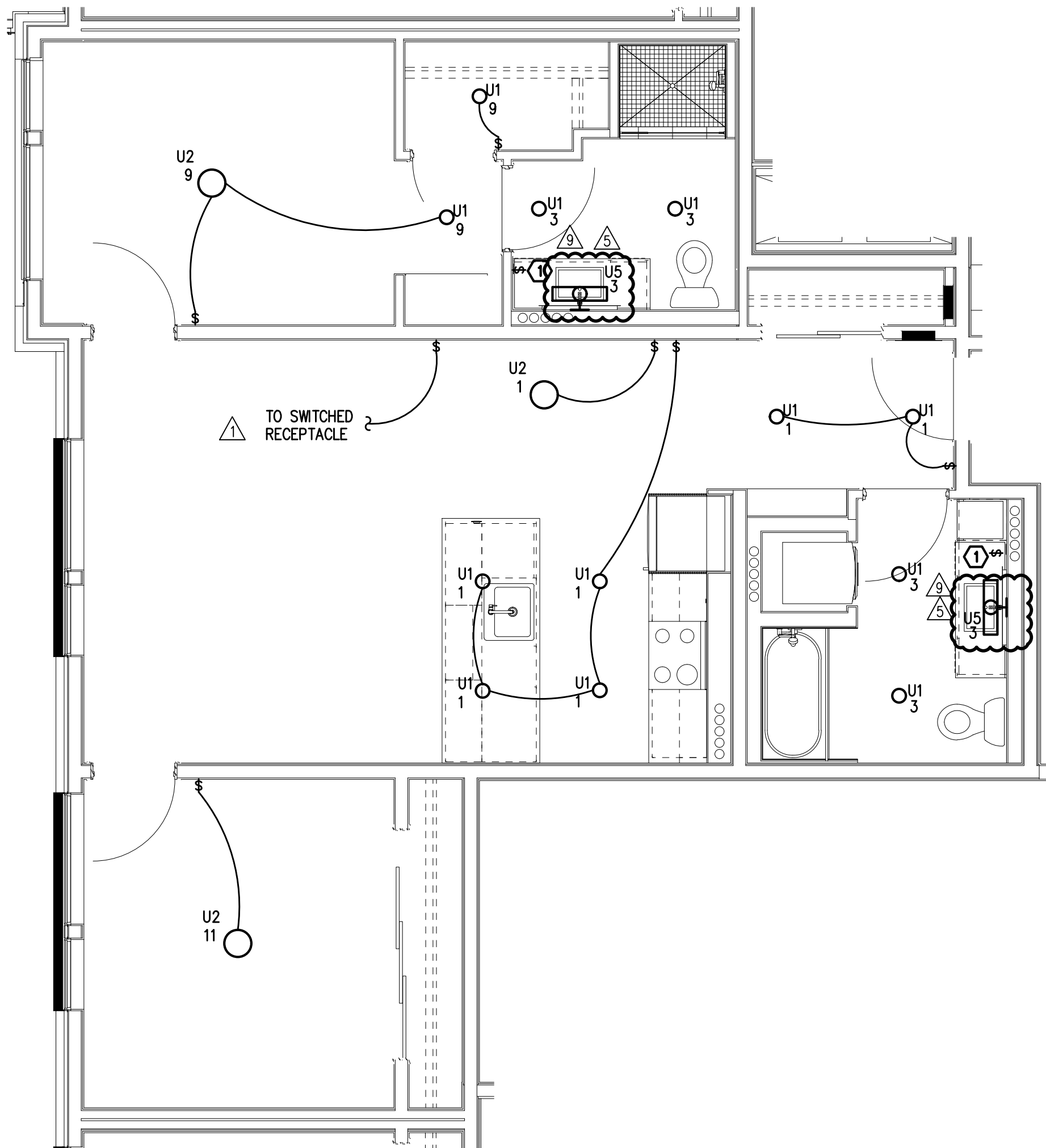
- REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
- NOT USED.
- RECEPTACLE FOR PTHP UNIT SHALL BE LOCATED BELOW THE UNIT, NEAR THE BASE OF THE WALL SUCH THAT THE CORD SET IS CONCEALED AS MUCH AS POSSIBLE. COORDINATE INSTALLATION WITH THE MECHANICAL INSTALLER.
- LOCATE SWITCH FOR SINK LIGHT AT THE END OF THE COUNTER, JUST UNDER THE EDGE OF THE COUNTER TOP.
- SWITCHING FOR CEILING FAN SHALL BE MANUFACTURER'S RECOMMENDATION FOR LIGHT AND FAN CONTROL.
- REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATION AND MOUNTING OF UNDER CABINET LIGHTS.



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



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



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