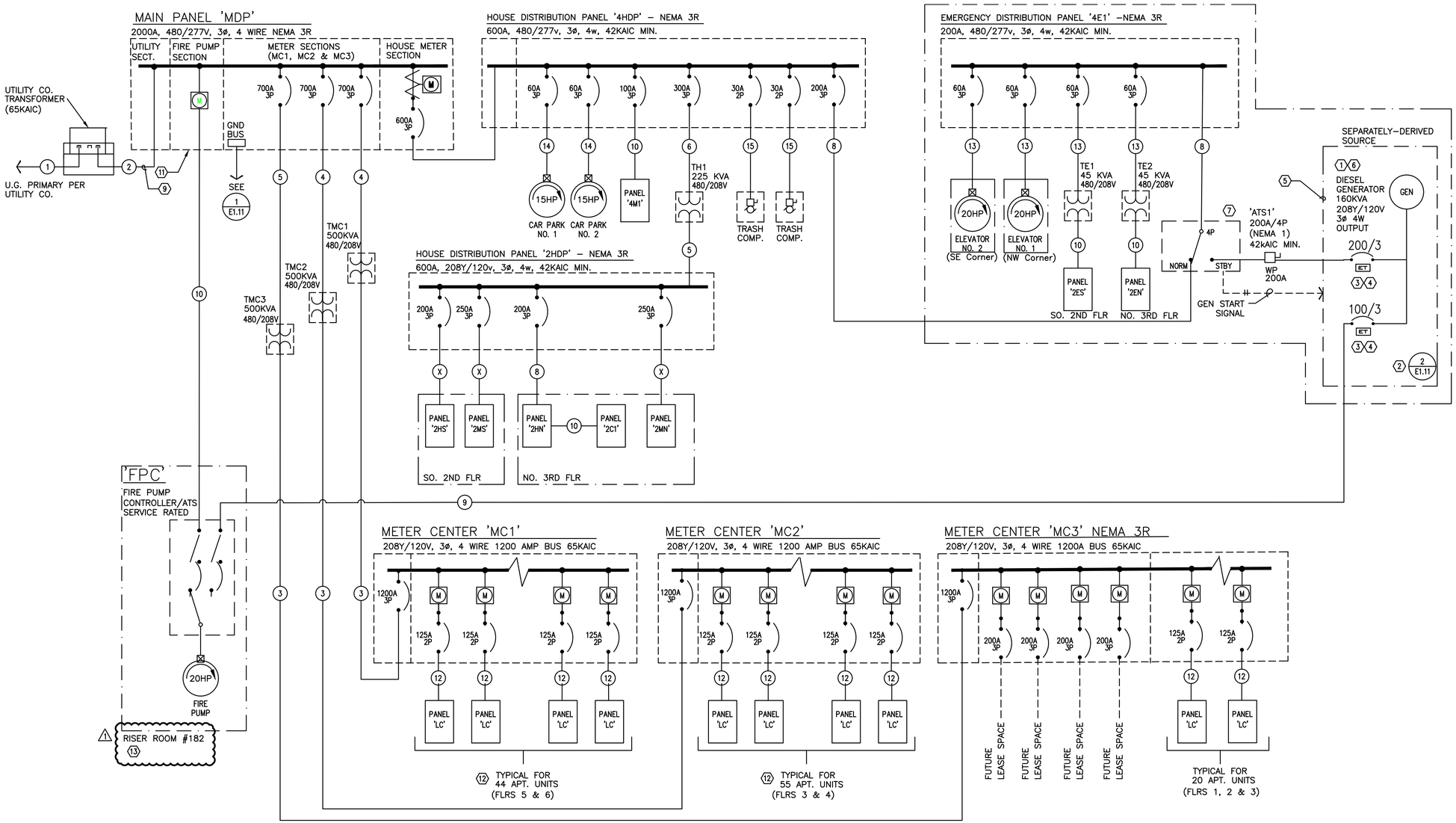

1 E1.10 ELECTRICAL ONE-LINE DIAGRAM

480/277v, 3ph, 4w

ONE-LINE GENERAL NOTES:

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

B. COORDINATE METERING REQUIREMENTS WITH UTILITY.

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

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

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

F. SEE SHEET E1.11 FOR FEEDER SCHEDULE.

⚠1 G. REFER TO SHEET E3.01N FOR FIRE PUMP LOCATION. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ANY POWER CONNECTS FOR VENTILATION EQUIPMENT.

⚠1 H. DIESEL GENERATOR TANK SHALL HAVE THE CAPACITY FOR ENOUGH FUEL TO RUN AT FULL LOAD FOR A MINIMUM OF 8-HOURS.

⬡ 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. SECONDARY SERVICE FEEDERS TO SERVICE DISCONNECT AT BUILDING EXTERIOR PER UTILITY PROVIDERS REQUIREMENTS.

10. NOT USED.

11. PROVIDE SEPARATE CABINET FOR FIRE PUMP TAP PER NEC 695.

12. THREE BEDROOM APARTMENT UNITS SHALL BE PROVIDED WITH 150A LOAD CENTERS. REFER TO DWELLING UNIT LOAD SUMMARIES ON SHEET E1.13.

⚠1 13. THE FIRE PUMP ROOM WILL BE PROVIDED WITH LIGHTING AND VENTILATION THAT IS ON EMERGENCY POWER.

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REGISTERED PROFESSIONAL ENGINEER
16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
⚠1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

2202 E BURNSIDE ST, PORTLAND, OR 97214

SHEET: E1.10

ELECTRICAL ONE-LINE DIAGRAM

MECHANICAL EQUIPMENT SCHEDULE

NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
BS–1	BRANCH BOX NO.1		120	1	0.5 MCA	1/2"	#12	#12	SEE UNIT PLANS
BS–2	BRANCH BOX NO.2		120	1	0.5 MCA	1/2"	#12	#12	SEE UNIT PLANS
EF–1	EXHAUST FAN NO.1	8.2HP	120			1/2"	#12	#12	SEE E3.00
EF–2	EXHAUST FAN NO.2	30W	120	1		1/2"	#12	#12	SEE E3.01
EF–3	EXHAUST FAN NO.3	83W	120	1		1/2"	#12	#12	2MN–2
EF–4	EXHAUST FAN NO.4	21GW	120			1/2"	#12	#12	2MS–20
EF–25	EXHAUST FAN NO.25	65W	120	1		1/2"	#12	#12	SEE UNIT TYPE E & F
EF–26	EXHAUST FAN NO.26	38W	120	1		1/2"	#12	#12	SEE UNIT PLANS
EF–27	EXHAUST FAN NO.27	65W	120	1		1/2"	#12	#12	SEE UNIT PLANS
EF–28	EXHAUST FAN NO.28	5.1W	120	1		1/2"	#12	#12	
TF–1	THRU–WALL FAN NO.1	25W	120			1/2"	#12	#12	SEE UNIT TYPE G
GEF–1	GARAGE EXHAUST FAN NO.1	1.5HP	208	3		1/2"	#12	#12	2MS–28,30,32
EH–1	ELECTRIC WALL HEATER NO.1	1.5 KW	120	1		1/2"	#12	#12	SEE UNIT PLANS
EH–2	ELECTRIC WALL HEATER NO.2	1.0 KW	120	1		1/2"	#12	#12	SEE E3.00, E3.01
EH–3	ELECTRIC WALL HEATER NO.3	3.0 KW	208	1		1/2"	#12	#12	SEE E3.00, E3.01
EH–4	ELECTRIC WALL HEATER NO.4	500W	120	1		1/2"	#12	#12	SEE E3.01
EH–5	ELECTRIC WALL HEATER NO.5	7.5 KW	208	1		3/4"	#8	#10	2MS–10,12
FC–1	FAN COIL UNIT NO.1	15.0KW	208	1		1–1/4"	#3	#8	2MN–8,10
HP–1	HEAT PUMP NO.1		208	1	31.8MCA	3/4"	#8	#10	2MN–12,14
IAC–1	SPLIT SYST NO.1 (BOILER RM)								INTERCONNECT W/ OAC
OAC–1	SPLIT SYST NO.1 (ROOF)		208	1	12.0 MCA	1/2"	#12	#12	2MS–15,17
IAC–2	SPLIT SYST NO.2 (ELEV MACH RM)								INTERCONNECT W/ OAC
OAC–2	SPLIT SYST NO.2 (ROOF)		208	1	12.0 MCA	1/2'	#12	#12	2MN–4,6
IAC–3	SPLIT SYST NO.3 (MAINTENANCE)								INTERCONNECT W/ OAC
OAC–3	SPLIT SYST NO.3 (ROOF)		208	1	12.0 MCA	1/2'	#12	#12	2MS–24,26
IAC–4	MINI SPLIT SYST NO.4 (RM #292)								INTERCONNECT W/ OAC
OAC–4	SPLIT SYST NO.4 (ROOF)		208	1	12.0 MCA	1/2'	#12	#12	2MS–3,5
IAC–5	MINI SPLIT SYST NO.5 (RM #182)								INTERCONNECT W/ OAC
OAC–5	SPLIT SYST NO.5 (ROOF)		208	1	12.0 MCA	1/2'	#12	#12	2EN–23,25
IHP–1	MINI SPLIT SYST NO.1 (A & B)								SEE UNIT PLANS
OHP–1	MINI SPLIT SYST NO.1 (ROOF)		208	1	22.1 MCA	3/4"	#10	#10	SEE E3.05 & E3.07
IHP–2	MINI SPLIT SYST NO.2 (A & B)								SEE UNIT PLANS
OHP–2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	22.1 MCA	3/4"	#10	#10	SEE E3.05 & E3.07
IHP–3	MINI SPLIT SYST NO.3 (A & B)								SEE UNIT PLANS
OHP–3	MINI SPLIT SYST NO.3 (OUTDOOR)		208	1	22.1 MCA	3/4"	#10	#10	SEE E3.05 & E3.07
IHP–4	MINI SPLIT SYST NO.4 (INDOOR)								INTERCONNECT W/ OAC
OHP–4	MINI SPLIT SYST NO.4 (ROOF)		208	1	22.1 MCA	3/4"	#10	#10	2MS–3,5
IHP–5	MINI SPLIT SYST NO.5 (INDOOR)								INTERCONNECT W/ OAC
OHP–5	MINI SPLIT SYST NO.5 (ROOF)		208	1	22.1 MCA	3/4"	#10	#10	2MN–1,3
IHP–6	MINI SPLIT SYST NO.6 (INDOOR)								INTERCONNECT W/ OAC
OHP–6	MINI SPLIT SYST NO.6 (ROOF)		208	1	22.1 MCA	3/4"	#10	#10	2MN–16,18
RTU–1	AIR HANDLING UNIT NO.1		480	3	14.0 MCA	1/2'	#12	#12	4M1–8,10,12
RTU–2	AIR HANDLING UNIT NO.2		480	3	12.0 MCA	1/2'	#12	#12	4M1–14,16,18
RTU–3	AIR HANDLING UNIT NO.3		480	3	20.0 MCA	1/2'	#10	#10	4M1–9,11,13
RTU–4	AIR HANDLING UNIT NO.4		480	3	14.0 MCA	1/2'	#12	#12	4M1–15,17,19
RTU–5	AIR HANDLING UNIT NO.5		480	3	12.0 MCA	1/2'	#12	#12	4M1–21,23,25
PTHP–1	THRU–WALL HEAT/AC NO.1	3.5KW	208	1	10.6 MCA	1/2"	#12	#12	REFER TO UNIT PLANS
PTHP–2	THRU–WALL HEAT/AC NO.2	3.5KW	208	1	12.1 MCA	1/2"	#10	#10	REFER TO UNIT PLANS
SP–1	SUMP PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	2EN–4
SP–2	SUMP PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	2ES–4
RP–1	RECIRC PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	2MS–23
RP–2	RECIRC PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	2MS–25
BP–1	BOOSTER PUMP NO.1	(2) 5HP	208	3	28.8 EA.	1"	#4	#10	2MS–18,20,22
WH–1	WATER HEATER NO.1 (GAS)		120	1		1/2"	#12	#12	2MS–19 (PC)
WH–2	WATER HEATER NO.2 (GAS)		120	1		1/2"	#12	#12	2MS–19 (PC)
WH–3	WATER HEATER NO.3 (GAS)		120	1		1/2"	#12	#12	2MS–21 (PC)
WH–4	WATER HEATER NO.4 (GAS)		120	1		1/2"	#12	#12	2MS–21 (PC)

1 SEE NOTE 'C'

SEE NOTE 'D'

2–STORY UNITS

2–BRM UNITS

3–BRM UNITS

YOGA STUDIO

LEASE OFFICE

TERRACE ELEV–LOBBY

GENERAL EQUIPMENT NOTES:

A. CONTRACTOR/DESIGNER SHALL VERIFY ALL MECHANICAL EQUIPMENT CONNECTION LOAD REQUIREMENTS WITH THE MECHANICAL EQUIPMENT PROVIDER PRIOR TO ROUGH IN.

B. MECHANICAL EQUIPMENT SIZES SHOWN IN THE MECHANICAL SCHEDULE ABOVE ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL EQUIPMENT TO BE INSTALLED.

1 C. ALL SUB–DUCT FANS (EF–5.1 THRU EF–24.20) SHALL BE ON THE EMERGENCY POWER SYSTEM. REFER TO PANELS 2ES AND 2EN FOR CIRCUIT DESIGNATIONS. ALL SUB–DUCT FANS ARE 120V, 1P AND EACH PAIR SHALL BE ON THE SAME 20A CIRCUIT (EX. EF–5.1 & EF–5.2 ON CKT 2ES–27). REFER ALSO TO MECHANICAL PLAN SHEET M0.02 FOR ADDITIONAL INFORMATION AND COORDINATE WITH THE MECHANICAL EQUIPMENT INSTALLER PRIOR TO ROUGH IN.

D. TRASH ROOM EXHAUST FANS (EF–28) TO BE TIED INTO THE NEAREST RECEPTACLE CIRCUITS AT EACH FLOOR.

MFIA PANEL SCHEDULE

panel: 4M1 | mounting: SURFACE | location: GARAGE | connected load amps: 97
voltage: 277/480V | phase: 3 | bus & main: 200A SCCR: 65K MLO | calculated load amps: 97

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
6	ELEVATOR #1	7479	100/3	1	*	2	100/3	7479	ELEVATOR #2	6
6	*	7479	*	3	*	4	*	7479	*	6
6	*	7479	*	5	*	6	*	7479	*	6
5	TRANSFORMER ET1 (PNL 2ES)	6388	225/3	7	*	8	225/3	5576	TRANSFORMER ET2 (PNL 2EN)	5
5	*	6388	*	9	*	10	*	5576	*	5
5	*	6388	*	11	*	12	*	5576	*	5
	BLANK			13	*	14			BLANK	
	BLANK			15	*	16			BLANK	
	BLANK			17	*	18			BLANK	
	BLANK			19	*	20			BLANK	
	BLANK			21	*	22			BLANK	
	BLANK			23	*	24			BLANK	
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

		NOTES:	line-line voltage
Phase A	26922 VA		480
Phase B	26922 VA		largest motor (va)
Phase C	26922 VA		0
Total Connected	80766 VA		

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	0	0	0 VA	0	1 + 0.5	0
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	11964	11964	11964 VA	35892	1.00	35892
6. MOTORS=	14958	14958	14958 VA	44874	*	44874
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		80766

MFIA PANEL SCHEDULE

panel: 4E1 | mounting: SURFACE | location: Parking Garage | connected load amps: 95
voltage: 277/480V | phase: 3 | bus & main: 200A SCCR: 65K MLO | calculated load amps: 95

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
6	ELEVATOR #1	7500	150/3	1	*	2	150/3	7500	ELEVATOR #2	6
6	*	7500	*	3	*	4	*	7500	*	6
6	*	7500	*	5	*	6	*	7500	*	6
5	TRANSFORMER ET1 (PNL 2ES)	6150	60/3	7	*	8	60/3	4050	TRANSFORMER ET2 (PNL 2EN)	5
5	*	6102	*	9	*	10	*	6102	*	5
5	*	5750	*	11	*	12	*	5500	*	5
	SPARE	0	20/1	13	*	14	20/1	0	SPARE	
	SPARE	0	20/1	15	*	16	20/1	0	SPARE	
	SPARE	0	20/1	17	*	18	20/1	0	SPARE	
	SPARE	0	20/1	19	*	20	20/1	0	SPARE	
	SPARE	0	20/1	21	*	22	20/1	0	SPARE	
	SPARE	0	20/1	23	*	24	20/1	0	SPARE	
	SPARE	0	20/1	25	*	26	20/1	0	SPARE	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

		NOTES:	line-line voltage
Phase A	25200 VA		480
Phase B	27204 VA		largest motor (va)
Phase C	26250 VA		0
Total Connected	78654 VA		

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	0	0	0 VA	0	1.25	0
2. RECEPT.=	0	0	0 VA	0	1 + 0.5	0
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	10200	12204	11250 VA	33654	1.00	33654
6. MOTORS=	15000	15000	15000 VA	45000	*	45000
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		78654

MFIA PANEL SCHEDULE

panel: 2EN | mounting: SURFACE | location: 2ND FLR - NORTH | connected load amps: 82
voltage: 120/208V | phase: 3 | bus & main: 100A SCCR: 42K MLO | calculated load amps: 89

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - BUILDING EXTERIOR	150	20/1	1	*	2	20/1	500	ELEVATOR #1 PIT LTS & RECEPT	5
1	LIGHTS - STAIR #1	250	20/1	3	*	4	20/1	1176	SP-1 (ELEV #1 PIT)	6
1	LIGHTS - FLR 1	1500	20/1	5	*	6	20/1	500	FACP REMOTE ANNUNCIATOR	5
1	LIGHTS - FLR 2	1500	20/1	7	*	8	20/1	0	SPARE	
1	LIGHTS - FLR 3	1500	20/1	9	*	10	20/1	1500	SMOKE DAMPERS - FLRS 3,4	5
1	LIGHTS - FLR 4	1500	20/1	11	*	12	20/1	1500	SMOKE DAMPERS - FLRS 5,6)	5
1	LIGHTS - FLR 5	1500	20/1	13	*	14	20/1	500	ELEV #1 SHAFT LTS & RECEPT	5
1	LIGHTS - FLR 6	1500	20/1	15	*	16	20/1	1176	ELEV #1 RELIEF VENT (OPT)	5
1	LIGHTS - COMMUNITY RM	500	20/1	17	*	18	20/1	500	ELEVATOR #1 CAB LIGHTS	5
5	SMOKE CURTAIN FLR 2,3,4	1500	20/1	19	*	20	20/1	1500	ELEVATOR #1 CONTROLLER	5
5	SMOKE CURTAIN FLR 5,6	1500	20/1	21	*	22	20/1	500	ROOF TERRACE GAS SHUT-OFF	5
6	IAC/OAC-5	1248	20/2	23	*	24	20/1	1000	LIGHTS - ROOF TERRACE	1
6	*	1248	*	25	*	26	20/1	200	EF-19.1/EF-19.2	6
6	EF-13.1/EF-13.2	500	20/1	27	*	28	20/1	200	EF-20.1/EF-20.2	6
6	EF-14.1/EF-14.2	500	20/1	29	*	30	20/1	500	EF-21.1/EF-21.2	6
6	EF-15.1/EF-15.2	200	20/1	31	*	32	20/1	200	EF-22.1/EF-22.2	6
6	EF-16.1/EF-16.2	300	20/1	33	*	34	20/1	200	EF-23.1/EF-23.2	6
6	EF-17.1/EF-17.2	200	20/1	35	*	36	20/1	500	EF-24.1/EF-24.2	6
6	EF-18.1/EF-18.2	200	20/1	37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

		NOTES:	line-line voltage
Phase A	9198 VA		208
Phase B	10302 VA		largest motor (va)
Phase C	9948 VA		0
Total Connected	29448 VA		

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	3150	3250	4500 VA	10900	1.25	13625
2. RECEPT.=	0	0	0 VA	0	1 + 0.5	0
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	4000	4676	2500 VA	11176	1.00	11176
6. MOTORS=	2048	2376	2948 VA	7372	*	7372
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		32173

MFIA PANEL SCHEDULE

panel: 2ES | mounting: SURFACE | location: 2ND FLR - SOUTH | connected load amps: 78
voltage: 120/208V | phase: 3 | bus & main: 100A SCCR: 42K MLO | calculated load amps: 84

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - BUILDING EXTERIOR	150	20/1	1	*	2	20/1	500	ELEVATOR #2 PIT LTS & RECEPT	1
1	LIGHTS - STAIR #2	250	20/1	3	*	4	20/1	1176	SP-2 (ELEV #2 PIT)	6
1	LIGHTS - STAIR #3	250	20/1	5	*	6	20/1	500	FACP	5
1	LIGHTS - FLRS B,1	1500	20/1	7	*	8	20/1	500	GEN REMOTE ANNUNCIATOR	5
1	LIGHTS - FLR 1	1500	20/1	9	*	10	20/1	1500	GEN. BLOCK HEATER	5
1	LIGHTS - FLRS 2 & 3 (CORRIDOR)	1500	20/1	11	*	12	20/1	1500	GEN. BATTERY CHARGER	5
1	LIGHTS - FLR 4 (CORRIDOR)	1500	20/1	13	*	14	20/1	1500	SMOKE DAMPER - FLR B, 1	5
5	ELEVATOR #2 CAB LIGHTS	500	20/1	15	*	16	20/1	1500	SMOKE DAMPER - FLR 2,3	5
5	ELEVATOR #2 CONTROLLER	1500	20/1	17	*	18	20/1	1500	SMOKE DAMPER - FLR 4,5	5
5	SMOKE CURTAIN FLR 1,2	1500	20/1	19	*	20	20/1	500	FACP REMOTE ANNUNCIATOR	5
5	SMOKE CURTAIN FLR 3,4	1500	20/1	21	*	22	20/1	1176	ELEV #2 RELIEF VENT (OPT)	6
2	GAS	1500	20/1	23	*	24	20/1	500	ELEV #2 SHAFT TOP LTS/PLUG	1
5	FUEL FILL CONTROLS	500	20/1	25	*	26	20/1	200	EF-7.1/EF-7.2	6
6	EF-5.1/EF-5.2	200	20/1	27	*	28	20/1	500	EF-10.1/EF-10.2	6
6	EF-6.1/EF-6.2	200	20/1	29	*	30	20/1	200	EF-11.1/EF-11.2	6
6	EF-7.1/EF-7.2	500	20/1	31	*	32	20/1	200	EF-12.1/EF-12.2	6
6	EF-8.1/EF-8.2	200	20/1	33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

		NOTES:	line-line voltage
Phase A	9050 VA		208
Phase B	10002 VA		largest motor (va)
Phase C	9150 VA		0
Total Connected	28202 VA		

load code:	ph. A	ph. B	ph. C	total	factor	calculated load (va)
1. LIGHTS=	3650	1750	2250 VA	7650	1.25	9563
2. RECEPT.=	0	0	0 VA	0	1 + 0.5	0
3. HEATING=	0	0	0 VA	0	1.00	0
4. KITCHEN=	0	0	0 VA	0	1.00	0
5. EQUIP.=	4500	5000	6500 VA	16000	1.00	16000
6. MOTORS=	900	3252	400 VA	4552	*	4552
7. MISC=	0	0	0 VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		30115

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REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1993 ROBERT L. CONNELL

EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

2202 E BURNSIDE ST, PORTLAND, OR 97214

SHEET:
E1.12

ELECTRICAL PANEL & EQUIPMENT SCHEDULES

MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
4M1	SURFACE	GARAGE	97

voltage	phase	bus & main			calculated load amps
277/480V	3	200A	SCCR: 42K	MLO	97

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
6	ELEVATOR #1	7479	100/3	1	*	2	100/3	7479	ELEVATOR #2	6
6	*	7479	*	3	*	4	*	7479	*	6
6	*	7479	*	5	*	6	*	7479	*	6
5	TRANSFORMER ET1 (PNL 2ES)	6388	225/3	7	*	8	225/3	5576	TRANSFORMER ET2 (PNL 2EN)	5
5	*	6388	*	9	*	10	*	5576	*	5
5	*	6388	*	11	*	12	*	5576	*	5
	BLANK			13	*	14			BLANK	
	BLANK			15	*	16			BLANK	
	BLANK			17	*	18			BLANK	
	BLANK			19	*	20			BLANK	
	BLANK			21	*	22			BLANK	
	BLANK			23	*	24			BLANK	
	BLANK			25	*	26			BLANK	
	BLANK			27	*	28			BLANK	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

		NOTES:	line-line voltage
Phase A	26922 VA		
Phase B	26922 VA		480
Phase C	26922 VA		largest motor (va)
Total Connected	80766 VA		0

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	0	0	0	VA	0	1.25	0
2. RECEPT.=	0	0	0	VA	0	1 + 0.5	0
3. HEATING=	0	0	0	VA	0	1.00	0
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	11964	11964	11964	VA	35892	1.00	35892
6. MOTORS=	14958	14958	14958	VA	44874	*	44874
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)					TOTAL =		80766

MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
2HN	SURFACE	3RD FLR - NORTH	148

voltage	phase	bus & main			calculated load amps
120/208V	3	200A	SCCR: 42K	MLO	144

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
5	PACKAGE LOCKER SYSTEM	1500	20/1	1	*	2	20/1	1080	RECEPT - 1ST FLR LOBBY	2
5	MAIL ROOM CAMERA	500	20/1	3	*	4	20/1	1080	RECEPT - 1ST FLR LOBBY	2
5	BUILDING SIGNS	1500	20/1	5	*	6	20/1	1500	RECEPT - BIKE ROOM	2
5	AUDIO SYSTEM	1500	20/1	7	*	8	20/1	1080	RECEPT - 1ST FLR OFFICE	2
5	DRINK FOUNTAIN (BIKE ROOM)	1500	20/1	9	*	10	20/1	1080	RECEPT - 1ST FLR OFFICE	2
1	LIGHTS - FLOOR 1	1500	20/1	11	*	12	20/1	1080	RECEPT - 1ST FLR	2
1	LIGHTS - FLOOR 1	1500	20/1	13	*	14	20/1	360	RECEPT - ELEV MACH RM	2
1	LIGHTS - FLOOR 1	1500	20/1	15	*	16	20/1	900	RECEPT - CORRIDOR FLR 3	2
1	LIGHTS - FLOOR 2	1500	20/1	17	*	18	20/1	900	RECEPT - CORRIDOR FLR 4	2
1	LIGHTS - FLOOR 3	1500	20/1	19	*	20	20/1	900	RECEPT - CORRIDOR FLR 5	2
1	LIGHTS - FLOOR 4	1500	20/1	21	*	22	20/1	900	RECEPT - CORRIDOR FLR 5	2
	SPARE	0	20/1	23	*	24	20/1	900	RECEPT - CORRIDOR FLR 6	2
	SPARE	0	20/1	25	*	26	20/1	900	RECEPT - CORRIDOR FLR 6	2
	SPARE	0	20/1	27	*	28	20/1	1260	RECEPT - ROOF GFCI	2
	SPARE	0	20/1	29	*	30	20/1	0	SPARE	
	SPARE	0	20/1	31	*	32	20/1	0	SPARE	
	SPARE	0	20/1	33	*	34	20/1	0	SPARE	
	SPARE	0	20/1	35	*	36	20/1	0	SPARE	
7	PANEL 2C1	8320	100/3	37	*	38	20/1	1080	RECEPT-TEMP (LEASE A)	2
7	*	5740	*	39	*	40	20/1	1080	RECEPT-TEMP (LEASE B)	2
7	*	6520	*	41	*	42	20/1	1080	RECEPT-TEMP (LEASE C)	2

		NOTES:	line-line voltage
Phase A	19720 VA		
Phase B	17040 VA		208
Phase C	16480 VA		largest motor (va)
Total Connected	53240 VA		0

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	3000	3000	3000	VA	9000	1.25	11250
2. RECEPT.=	5400	6300	5460	VA	17160	1 + 0.5	13580
3. HEATING=	0	0	0	VA	0	1.00	0
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	3000	2000	1500	VA	6500	1.00	6500
6. MOTORS=	0	0	0	VA	0	*	0
7. MISC=	8320	5740	6520	VA	20580	1.00	20580
(* 125% of the largest motor + 100% of the balance)					TOTAL =		51910

MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
2MN	SURFACE	2ND FLR - SOUTH	131

voltage	phase	bus & main			calculated load amps
120/208V	3	250A	SCCR: 42K	MLO	131

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
3	IHP/OHP - 5 (OFFICE)	1250	30/2	1	*	2	20/1	500	EF-3 EXHAUST FAN (BIKE RM)	6
3	*	1250	*	3	*	4	30/2	1250	IAC/OAC-1 (ELEV. MACH. RM)	6
6	AUTO DOORS (N. LOBBY)	1500	20/1	5	*	6	*	1250	*	6
6	PRKG GARAGE GATE CONTROL	1500	20/1	7	*	8	80/2	7500	FC-1	6
	SPARE	0	20/1	9	*	10	*	7500	*	6
	SPARE	0	20/1	11	*	12	40/2	2870	HP-1	6
	SPARE	0	20/1	13	*	14	*	2870	*	6
	SPARE	0	20/1	15	*	16	30/2	1250	IHP/OHP-6 (ROOF ELEV LOBBY)	6
	SPARE	0	20/1	17	*	18	*	1250	*	6
	SPARE	0	20/1	19	*	20	20/1	0	SPARE	
	SPARE	0	20/1	21	*	22	20/1	0	SPARE	
	SPARE	0	20/1	23	*	24	20/1	0	SPARE	
	SPARE	0	20/1	25	*	26	20/1	0	SPARE	
	SPARE	0	20/1	27	*	28	20/2	1500	EH-3 (TEMP - LEASE A)	3
	SPARE	0	20/1	29	*	30	*	1500	*	3
3	EH-3 (VESTIBULE)	1500	20/2	31	*	32	20/2	1500	EH-3 (TEMP - LEASE A)	3
3	*	1500	*	33	*	34	*	1500	*	3
3	EH-4 (RISER)	500	20/1	35	*	36	20/2	1500	EH-3 (TEMP - LEASE B)	3
	SPARE	0	20/1	37	*	38	*	1500	*	3
	SPARE	0	20/1	39	*	40	20/2	1500	EH-3 (TEMP - LEASE B)	3
	SPARE	0	20/1	41	*	42	*	1500	*	3

		NOTES:	line-line voltage
Phase A	18120 VA		
Phase B	17250 VA		208
Phase C	11870 VA		largest motor (va)
Total Connected	47240 VA		0

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	0	0	0	VA	0	1.25	0
2. RECEPT.=	0	0	0	VA	0	1 + 0.5	0
3. HEATING=	5750	7250	5000	VA	18000	1.00	18000
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	0	0	0	VA	0	1.00	0
6. MOTORS=	12370	10000	6870	VA	29240	*	29240
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)					TOTAL =		47240

MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
2C1	SURFACE	6TH FLR - NORTH	57

voltage	phase	bus & main			calculated load amps
120/208V	3	100A	SCCR: 22K	MLO	56

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - TERRACE	500	20/1	1	*	2	20/1	1260	RECEPTACLES - TERRACE	2
1	LIGHTS - TERRACE	500	20/1	3	*	4	20/1	1260	RECEPTACLES - TERRACE	2
1	LIGHTS - COMMUNITY ROOM	1500	20/1	5	*	6	20/1	500	GAS FIRE TABLE	5
1	LIGHTS - COMMUNITY ROOM	1500	20/1	7	*	8	20/1	500	GAS FIRE TABLE	5
1	LIGHTS - COMMUNITY ROOM	1500	20/1	9	*	10	20/1	500	IRRIGATION CONTROL (TERRACE)	5
4	FRIDGE	1500	20/1	11	*	12	20/1	500	GAS FIREPLACE	5
4	KEG, ICE MACH, WINE COOLER	1000	20/1	13	*	14	20/1	1080	RECEPT- COMMINITY RM	2
4	DISPOSAL	900	20/1	15	*	16	20/1	1080	RECEPT- COMMINITY RM	2
4	DISHWASHER	1440	20/1	17	*	18	20/1	1080	RECEPT- COMMINITY RM	2
4	MICRO & WARMING DRAWERS	1400	20/1	19	*	20	20/1	1080	RECEPT- COMMINITY RM	2
	SPARE	0	20/1	21	*	22	20/1	0	SPARE	
	SPARE	0	20/1	23	*	24	20/1	0	SPARE	
	BLANK		20/1	25	*	26	20/1		BLANK	
	BLANK		20/1	27	*	28	20/1		BLANK	
	BLANK		20/1	29	*	30	20/1		BLANK	
	BLANK		20/1	31	*	32	20/1		BLANK	
	BLANK		20/1	33	*	34	20/1		BLANK	
	BLANK		20/1	35	*	36	20/1		BLANK	
	BLANK		20/1	37	*	38	20/1		BLANK	
	BLANK		20/1	39	*	40	20/1		BLANK	
	BLANK		20/1	41	*	42	20/1		BLANK	

		NOTES:	line-line voltage
Phase A	8320 VA		
Phase B	5740 VA		208
Phase C	6520 VA		largest motor (va)
Total Connected	20580 VA		0

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	2000	2000	1500	VA	5500	1.25	6875
2. RECEPT.=	3420	2340	1080	VA	6840	1 + 0.5	6840
3. HEATING=	0	0	0	VA	0	1.00	0
4. KITCHEN=	2400	900	2940	VA	6240	0.70	4368
5. EQUIP.=	500	500	1000	VA	2000	1.00	2000
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 =		20083

MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
2HS	SURFACE	2ND FLR - SOUTH	108

voltage	phase	bus & main			calculated load amps
120/208V	3	200A	SCCR: 42K	MLO	104

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
5	ENTRY ACCESS SYTEM	1500	20/1	1	*	2	20/1	1260	RECEPT - BASEMENT	2
5	COMM BOARD	500	20/1	3	*	4	20/1	1260	RECEPT - YOGA, RESTRM	2
5	PHONE BOARD	500	20/1	5	*	6	20/1	540	RECEPT- MAINT. RM	2
5	SECURITY SYSTEM	1500	20/1	7	*	8	20/1	540	RECEPT- MAINT. RM	2
5	UNIT ENTRY SYSTEM	1500	20/1	9	*	10	20/1	1500	RECEPT - FITNESS RM	2
1	LIGHTS - BUILDING EXTERIOR	500	20/1	11	*	12	20/1	1500	RECEPT - FITNESS RM	2
5	BUILDING SIGNS	1500	20/1	13	*	14	20/1	1500	RECEPT - FITNESS RM	2
2	RECEPT - METER ROOM	360	20/1	15	*	16	20/1	1500	RECEPT - FITNESS RM	2
5	DRINK FOUNTAIN (FITNESS RM)	1500	20/1	17	*	18	20/1	1501	RECEPT - FITNESS RM	3
5	LIGHTS - FITNESS RM	1500	20/1	19	*	20	20/1	1080	RECEPT - TRASH RM, EF-4	2
1	LIGHTS - FLR B, 1	1500	20/1	21	*	22	20/1	1080	RECEPT - SE LOBBY, CORRIDOR	2
1	LIGHTS - FLR 1	1500	20/1	23	*	24	20/1	360	RECEPT - ELEV EQUIP CLOS	2
1	LIGHTS - FLR 1,2	1500	20/1	25	*	26	20/1	900	RECEPT - FLR 2 CORRIDOR	2
1	LIGHTS - FLR 3,4	1500	20/1	27	*	28	20/1	900	RECEPT - FLR 3 CORRIDOR	2
1	LIGHTS - FLR 1,2,3,4 (UNIT ENTRY)	1500	20/1	29	*	30	20/1	900	RECEPT - FLR 3 CORRIDOR	2
1	LIGHTS - GARAGE	1500	20/1	31	*	32	20/1	900	RECEPT - FLR 4 CORRIDOR	2
	SPARE	0	20/1	33	*	34	20/1	900	RECEPT - FLR 4 CORRIDOR	2
	SPARE	0	20/1	35	*	36	20/1	900	RECEPT - ROOF GFCI	2
	SPARE	0	20/1	37	*	38	20/1	0	SPARE	
	SPARE	0	20/1	39	*	40	20/1	0	SPARE	
	SPARE	0	20/1	41	*	42	20/1	0	SPARE	

		NOTES:	line-line voltage
Phase A	15180 VA		
Phase B	12500 VA		208
Phase C	11201 VA		largest motor (va)
Total Connected	38881 VA		0

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	3000	3000	3500	VA	9500	1.25	11875
2. RECEPT.=	6180	7500	4200	VA	17880	1 + 0.5	13940
3. HEATING=	0	0	1501	VA	1501	1.00	1501
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	6000	2000	2000	VA	10000	1.00	10000
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 =		37316

MFIA PANEL SCHEDULE

panel	mounting	location	connected load amps
2MS	SURFACE	2ND FLR - SOUTH	149

voltage	phase	bus & main			calculated load amps
120/208V	3	250A	SCCR: 42K	MLO	149

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
3	EH-2 (BASEMENT)	1000	20/1	1	*	2	20/1	500	TRASH COMP #1 CONTROLS	5
3	IHP/OHP-4 (RM 292)	1250	30/2	3	*	4	20/1	500	TRASH COMP #2 CONTROLS	5
3	*	1250	*	5	*	6	20/1	500	TRASH ROOM OH DOOR	6
3	EH-2 (1ST FLR STAIR #2)	1000	20/1	7	*	8	20/1	1500	AUTO DOOR (SE LOBBY)	6
3	EH-2 (SE ENTRY VESIBULE)	1000	20/1	9	*	10	35/2	3750	EH-5 (TRASH ROOM)	3
3	EH-3 (RISER RM-SOUTH)	500	20/1	11	*	12	*	3750	*	3
3	EH-1 (BIKE RM #003)	1500	20/1	13	*	14	20/1	0	SPARE	
6	IAC/OAC-1 (WATER RM)	1250	30/2	15	*	16	20/1	0	SPARE	
6	*	1250	*	17	*	18	70/3	6912	EP-1	6
3	WH-1 & WH-2 (GAS)	500	20/1	19	*	20	*	6912	*	6
3	WH-3 & WH-4 (GAS)	500	20/1	21	*	22	*	6912	*	6
6	RP-1	1176	20/1	23	*	24	30/2	1250	IAC/OAC-3 (MAINTENANCE RM)	6
6	RP-2	1176	20/1	25	*	26	*	1250	*	6
5	CAR PARK CONTROLLER	1500	20/1	27	*	28	20/3	828	GEF-1	6
5	CAR PARK CONTROLLER	1500	20/1	29	*	30	*	828	*	6
	SPARE	0	20/1	31	*	32	*	828	*	6
	SPARE	0	20/1	33	*	34	20/1	0	SPARE	
	SPARE	0	20/1	35	*	36	20/1	0	SPARE	
	SPARE	0	20/1	37	*	38	20/1	0	SPARE	
	SPARE	0	20/1	39	*	40	20/1	0	SPARE	
	SPARE	0	20/1	41	*	42	20/1	0	SPARE	

		NOTES:	line-line voltage
Phase A	16166 VA		
Phase B	17490 VA		208
Phase C	19916 VA		largest motor (va)
Total Connected	53572 VA		0

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	0	0	0	VA	0	1.25	0
2. RECEPT.=	0	0	0	VA	0	1 + 0.5	0
3. HEATING=	4000	6500	5500	VA	16000	1.00	16000
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	500	2000	1500	VA	4000	1.00	4000
6. MOTORS=	11666	8990	12916	VA	33572	*	33572
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)					TOTAL =		53572

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REGISTERED PROFESSIONAL ENGINEER
16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

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E1.13
ELECTRICAL PANEL & EQUIPMENT SCHEDULES

BURNSIDE APARTMENTS
RESIDENTIAL LOAD SUMMARY 'MC1'

UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (Gas Range) (CONNECTED)	MICROWAVE (CONNECTED)	DISHWASHER (CONNECTED)	ELECT DRYER (CONNECTED)	WATER HEATER (CONNECTED)	DISPOSAL (CONNECTED)	MOTORS (CONNECTED)	LARGEST OF: AC/HEATING (CONNECTED)
	Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5	Lvl 6													
1 Bedroom					18	17	35	600	1800	3000	1500	8500	1500	1200	5400	0	900	0	3500
2 Bedroom					4	3	7	1000	3000	3000	1500	8500	1500	1200	5400	0	900	0	5000
3 Bedroom					1	1	2	1400	4200	3000	1500	8500	1500	1200	5400	0	900	0	6000
Townhouse							0	1100	3300	3000	1500	8500	1500	1200	5400	0	900	0	5000
TOTALS:	0	0	0	0	23	21	44	30800	92400	132000	66000	374000	66000	52800	237600	0	39600	0	169500

VOLTS: 208 3ph
TOTAL CONNECTED: 1230 KVA
DEMAND FACTOR: 0.27 Based on Total Number of Residential Units = 43-45 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 332 KVA
CALCULATED AMPS: 922 AMPS

NOTE:

BURNSIDE APARTMENTS
RESIDENTIAL LOAD SUMMARY 'MC2'

UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (Gas Range) (CONNECTED)	MICROWAVE (CONNECTED)	DISHWASHER (CONNECTED)	ELECT DRYER (CONNECTED)	WATER HEATER (CONNECTED)	DISPOSAL (CONNECTED)	MOTORS (CONNECTED)	LARGEST OF: AC/HEATING (CONNECTED)
	Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5	Lvl 6													
1 Bedroom			21	22			43	600	1800	3000	1500	8500	1500	1200	5400	0	900	0	3500
2 Bedroom			4	6			10	1000	3000	3000	1500	8500	1500	1200	5400	0	900	0	5000
3 Bedroom			1	1			2	1400	4200	3000	1500	8500	1500	1200	5400	0	900	0	6000
Townhouse							0	1100	3300	3000	1500	8500	1500	1200	5400	0	900	0	5000
TOTALS:	0	0	26	29	0	0	55	38600	115800	165000	82500	467500	82500	66000	297000	0	49500	0	212500

VOLTS: 208 3ph
TOTAL CONNECTED: 1538 KVA
DEMAND FACTOR: 0.25 Based on Total Number of Residential Units = 51-55 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 385 KVA
CALCULATED AMPS: 1068 AMPS

NOTE:

BURNSIDE APARTMENTS
RESIDENTIAL LOAD SUMMARY 'MC3'

UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (Gas Range) (CONNECTED)	MICROWAVE (CONNECTED)	DISHWASHER (CONNECTED)	ELECT DRYER (CONNECTED)	WATER HEATER (CONNECTED)	DISPOSAL (CONNECTED)	MOTORS (CONNECTED)	LARGEST OF: AC/HEATING (CONNECTED)
	Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5	Lvl 6													
1 Bedroom	4	4	1	0	0	0	9	600	1800	3000	1500	8500	1500	1200	5400	0	900	0	3500
2 Bedroom	1	2	2	0	0	0	5	1000	3000	3000	1500	8500	1500	1200	5400	0	900	0	5000
3 Bedroom	0	0	0	0	0	0	0	1400	4200	3000	1500	8500	1500	1200	5400	0	900	0	6000
Townhouse (Loft)	6	0	0	0	0	0	6	1100	3300	3000	1500	8500	1500	1200	5400	0	900	0	5000
TOTALS:	11	6	3	0	0	0	20	17000	51000	60000	30000	170000	30000	24000	108000	0	18000	0	86500

VOLTS: 208 3ph
TOTAL CONNECTED: 578 KVA
DEMAND FACTOR: 0.38 Based on Total Number of Residential Units = 18-20 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 219 KVA
CALCULATED AMPS: 609 AMPS

NOTE:

DWELLING UNIT LOAD CALCULATION

Project: Fuller Apartments

Unit Type 1Bed (Typical)

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

Minimum Size Feeder (NEC 220.40):			
	General lighting load at 3 VA / SF	1,650	VA
	Small Appliance load (2 ckts at 1500VA each)	3,000	VA
	Laundry Load (1 ckt at 1500VA)	0	VA
	Electric Range	8,500	VA
	Other Cooking Appliance Load (Microwave Oven)	1,500	VA
	Dishwasher Load	1,200	VA
	Electric Dryer Load	0	VA
	Electric Water Heater Load	0	VA
	Disposal load	900	VA
	Other motor loads	0	VA
	Total "General Loads"	16,750	VA
	First 10 kVA of "general loads" at 100%	10,000	VA
	Remainder of "general loads" at 40%	2,700	VA
	Net "general load"	12,700	VA
Largest of: 3,500	VA of electric space heating (less than 4) at 65%	2,275	VA
-or-	VA of electric space heating (4 or more) at 40%	0	VA
-or-	VA of air conditioning/cooling/heat pumps at 100%	0	VA
	TOTAL LOAD	14,975	VA
For 120/208-volt, 3-wire, single-phase service or feeder, 14,975 VA / 208 volts =		62	Amps
Therefore, this dwelling unit shall be permitted to be served by a 100 amp service.			

DWELLING UNIT LOAD CALCULATION

Project: Fuller Apartments

Unit Type 2Bed (Typical)

Area: 875 **square feet(average)**

Minimum Size Feeder (NEC 220.40):			
	General lighting load at 3 VA / SF	2,625	VA
	Small Appliance load (2 ckts at 1500VA each)	3,000	VA
	Laundry Load (1 ckt at 1500VA)	0	VA
	Electric Range	8,500	VA
	Other Cooking Appliance Load (Microwave Oven)	1,500	VA
	Dishwasher Load	1,200	VA
	Electric Dryer Load	0	VA
	Electric Water Heater Load	0	VA
	Disposal load	900	VA
	Other motor loads	0	VA
	Total "General Loads"	17,725	VA
	First 10 kVA of "general loads" at 100%	10,000	VA
	Remainder of "general loads" at 40%	3,090	VA
	Net "general load"	13,090	VA
Largest of: 5,000	VA of electric space heating (less than 4) at 65%	3,250	VA
-or-	VA of electric space heating (4 or more) at 40%	0	VA
-or-	VA of air conditioning/cooling/heat pumps at 100%	0	VA
	TOTAL LOAD	16,340	VA
For 120/208-volt, 3-wire, single-phase service or feeder, 16,340 VA / 208 volts =		68	Amps
Therefore, this dwelling unit shall be permitted to be served by a 100 amp service.			

DWELLING UNIT LOAD CALCULATION

Project: Fuller Apartments

Unit Type 3Bed (Typical)

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

Minimum Size Feeder (NEC 220.40):			
	General lighting load at 3 VA / SF	3,000	VA
	Small Appliance load (2 ckts at 1500VA each)	3,000	VA
	Laundry Load (1 ckt at 1500VA)	1,500	VA
	Electric Range	8,500	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	800	VA
	Other motor loads	0	VA
	Total "General Loads"	23,000	VA
	First 10 kVA of "general loads" at 100%	10,000	VA
	Remainder of "general loads" at 40%	5,200	VA
	Net "general load"	15,200	VA
Largest of:	VA of electric space heating (less than 4) at 65%	0	VA
-or- 6,500	VA of electric space heating (4 or more) at 40%	2,600	VA
-or-	VA of air conditioning/cooling/heat pumps at 100%	0	VA
	TOTAL LOAD	17,800	VA
For 120/208-volt, 3-wire, single-phase service or feeder, 17,800 VA / 208 volts =		74	Amps
Therefore, this dwelling unit shall be permitted to be served by a 100 amp service.			

MFIA CIRCUIT DIRECTORY 14-Oct-21

Loadcenter Name LC-1BR (TYPICAL)	mounting RECESSED		location		
voltage 208/120	phase 1		bus & main 100A MLO (SCCR: 22K)		
service	a/p	no.	L1 L2 no.	a/p	service
LIGHTS-KITCHEN/LIVING	20/1(A)	1	* 2	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT - BATH	20/1	3	* 4	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT - BEDROOM	20/1(A)	5	* 6	20/1	REFRIGERATOR
RECEPT - LIVING	20/1(A)	7	* 8	20/1	MICRO/HOOD
SPARE	20/1(A)	9	* 10	20/1	RANGE (GAS)
SPARE	20/1(A)	11	* 12	20/1	SPARE
WASHER	20/1(G)	13	* 14	20/1	DISHWASHER (WHERE USED)
DRYER	40/2(G)	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	20/1	SPARE
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.

MFIA CIRCUIT DIRECTORY 14-Oct-21

Loadcenter Name LC-2BR (TYPICAL)	mounting RECESSED		location		
voltage 208/120	phase 1		bus & main 100A MLO (SCCR: 22K)		
service	a/p	no.	L1 L2 no.	a/p	service
LIGHTS-KITCHEN/LIVING	20/1(A)	1	* 2	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT - BATH	20/1	3	* 4	20/1(A)	APPLIANCE CIRCUIT
RECEPT - LIVING	20/1(A)	5	* 6	20/1	REFRIGERATOR
RECEPT - LIVING	20/1(A)	7	* 8	20/1	MICRO/HOOD
LTS & RECEPT - BEDROOM	20/1(A)	9	* 10	20/1	RANGE (GAS)
LTS & RECEPT - BEDROOM	20/1(A)	11	* 12	20/1	SPARE
WASHER	20/1(G)	13	* 14	20/1	DISHWASHER
DRYER	40/2(G)	15	* 16	20/1	DISPOSAL
*	*	17	* 18	50/2	HEAT
DRYER BOOSTER (OPT)	20/1	19	* 20	*	*
WATER METER (OPT)	20/1	21	* 22	20/2	HEAT
SMART PANEL	20/1	23	* 24	*	*
BLANK	----	25	* 26	20/2	HEAT
BLANK	----	27	* 28	*	*
BLANK	----	29	* 30	----	BLANK

NOTES:
1. (A) DENOTES: ARC-FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12.

2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".

3. BREAKER & WIRE SHALL BE SIZED FOR EQUIPMENT INSTALLED.

4. (G) DENOTES GFCI RATED BREAKER.

MFIA CIRCUIT DIRECTORY 14-Oct-21

Loadcenter Name LC-3BR (TYPICAL)	mounting RECESSED		location		
voltage 208/120	phase 1		bus & main 150A MLO (SCCR: 22K)		
service	a/p	no.	L1 L2 no.	a/p	service
LIGHTS-KITCHEN/LIVING	20/1(A)	1	* 2	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT - BATH	20/1	3	* 4	20/1(A)	APPLIANCE CIRCUIT
RECEPT - LIVING	20/1(A)	5	* 6	20/1	REFRIGERATOR
RECEPT - LIVING	20/1(A)	7	* 8	20/1	MICRO/HOOD
LTS & RECEPT - BEDROOM	20/1(A)	9	* 10	20/1	RANGE (GAS)
LTS & RECEPT - BEDROOM	20/1(A)	11	* 12	20/1	SPARE
WASHER	20/1(G)	13	* 14	20/1	DISHWASHER
DRYER	40/2(G)	15	* 16	20/1	DISPOSAL
*	*	17	* 18	50/2	HEAT
DRYER BOOSTER (OPT)	20/1	19	* 20	*	*
WATER METER (OPT)	20/1	21	* 22	20/2	HEAT
SMART PANEL	20/1	23	* 24	*	*
BLANK	----	25	* 26	20/2	HEAT
BLANK	----	27	* 28	*	*
BLANK	----	29	* 30	20/2	HEAT
BLANK	----	31	* 32	*	*

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.

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REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1993 ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

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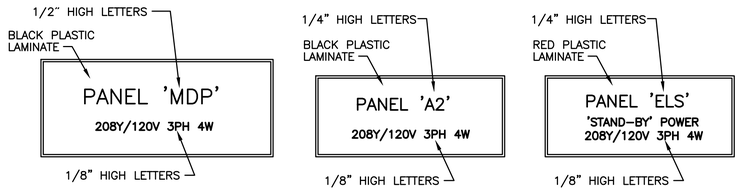
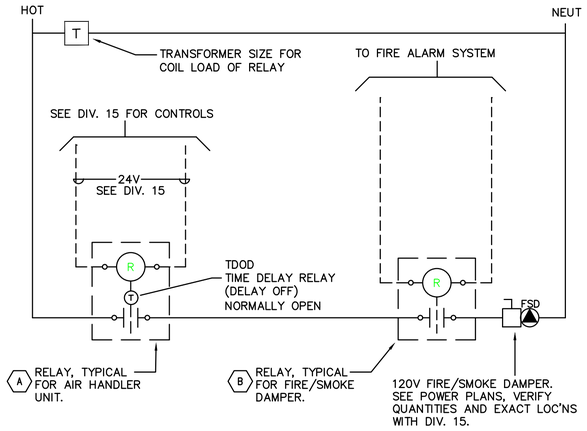
SHEET:
E1.14
RESIDENTIAL LOAD SUMMARY AND SCHEDULES



MAIN DISTRIB. PANEL LABELING | PANELBOARD LABELING | EMERGENCY POWER PANELBOARD LABELING

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

NOTE: ALL LETTERS ARE ENGRAVED WHITE

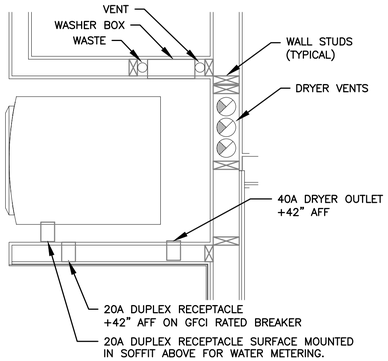


4 / E1.15 SMOKE/FIRE DAMPER CONTROL DIAGRAM
NO SCALE

ADDRESSABLE DETECTOR CONTROL

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

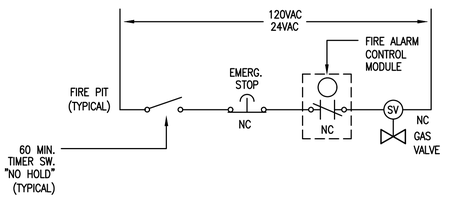
B RELAY TO BE 'NORMALLY ENERGIZED'. RELAY TO BE DE-ENERGIZED UPON SIGNAL FROM FIRE ALARM SYSTEM (ALLOWS DAMPERS TO CLOSE). PROGRAM FIRE ALARM SYSTEM FOR 15 SECOND DELAY BETWEEN SMOKE DETECTOR ACTIVATION AND FIRE/SMOKE DAMPER SHUTDOWN. PROVIDE WITH 20A CONTACTS AND COIL VOLTAGE AS REQUIRED BY FIRE ALARM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

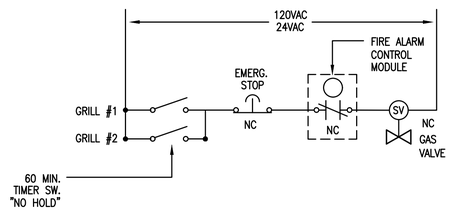


NOTES:

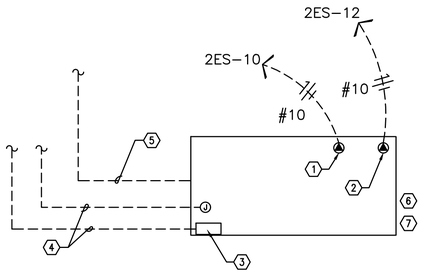
1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH IN, TO ENSURE THAT ELECTRICAL DEVICES ARE NOT INSTALLED WHERE THEY WILL CREATE CONFLICT.
2. PREFERRED INSTALLATION SHALL HAVE THE ELECTRICAL DEVICES ON A WALL OPPOSITE THE WORK OF ANY OTHER TRADE.
3. COORDINATE WITH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

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





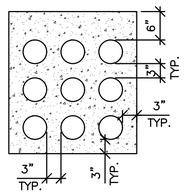
3 / E1.15 GAS APPLIANCE EMERGENCY SHUT-OFF DIAGRAM
SCALE: NONE



5 / E1.15 GENERATOR CIRCUITING DETAIL
NO SCALE

NOTES:

1. 120V GENERATOR BLOCK HEATER. SEE PANEL 2ES.
2. 120V GENERATOR BATTERY CHARGER. SEE PANEL 2S.
3. GENERATOR OUTPUT BREAKER AND CONTROL SECTION. SEE PANEL 4E1.
4. POWER AND CONTROL TO TRANSFER SWITCH AND REMOTE ANNUNCIATOR. SEE ONE-LINE DIAGRAM ON SHEET E1.10.
5. TO AUTOMATIC TRANSFER SWITCH. SEE E1.10.
6. DIESEL GENERATOR TO BE PROVIDED WITH DOUBLE-WALL FUEL TANK AND SPILL CONTAINMENT PER CITY OF PORTLAND REQUIREMENTS. TANK SHALL BE SIZED TO ACCOMMODATE ENOUGH FUEL TO RUN A MINIMUM OF 8 HOURS.
7. 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. UL 142 LISTED.



1. CONCRETE ENCASED CONDUITS FOR SECONDARY FEEDERS SHALL BE PER THE UTILITY PROVIDER'S REQUIREMENTS.
2. CONDUITS TO BE SPACED 3" APART (SKIN-TO-SKIN), WITH 6" OF CONCRETE ABOVE AND 3" OF CONCRETE AT SIDES AND BOTTOM.
3. CONSULT WITH STRUCTURAL ENGINEER FOR ADDITIONAL INFORMATION.

6 / E1.15 CONCRETE ENCASED CONDUITS – SECTION
NO SCALE

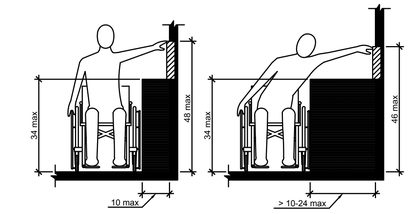


Figure 308.3.2
Obstructed High Side Reach

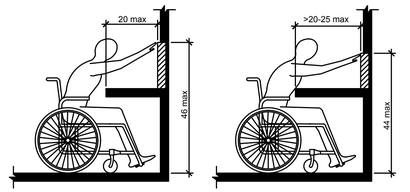


Figure 308.2.2
Obstructed High Forward Reach

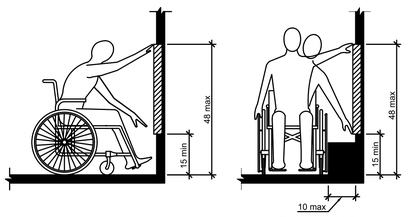


Figure 308.2.1
Unobstructed Forward Reach

Figure 308.3.1
Unobstructed Side Reach

7 / E1.15 ADA REACH REQUIREMENTS
NO SCALE

308.2 Forward Reach.

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

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

308.3 Side Reach.

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

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

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

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E1.15
ELECTRICAL DETAILS

LIGHTING FIXTURE LIST

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
A1 A1E	LED 3000K 2000LM/80CRI 25W	LITHONIA (OR APROVED OTHER)	ZL1N SERIES	TYPE :4' GEN. PURPOSE STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :DIFFUSED ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE 'AE' SIMILAR TO TYPE 'A' EXCEPT WITH EMERGENCY BATTERY BACK-UP EQUIP. RMS, TRASH RM, LEASE SPACE
A2	LED 3500K 3000LM/80CRI 23W	LITHONIA (OR APROVED OTHER)	FEML48 SERIES	TYPE :4' ENCLOSED INDUSTRIAL MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :CLEAR POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER	WALL MOUNT AT +7'-0" AFF IN ROOF TERRACE MECH. ROOM. ELEVATOR PIT & TOP OF SHAFT
B1 (2)	LED 3000K 2152LM/80CRI 18.7W	LITHONIA (OR APROVED OTHER)	WL4 20LP835 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
⚠1 B2		-NOT USED-		TYPE : MOUNTING : HOUSING : LENS/REFL : VOLTAGE : BALLAST :	
B3	LED 3000K 3000LM/80CRI 28W	LITHONIA (OR APROVED OTHER)	CLXL36 SERIES	TYPE :3' WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :WIDE DIFFUSED VOLTAGE :MVOLT BALLAST :LED DRIVER	STANDARD OUTPUT ELEVATOR MACHINE ROOM
⚠1 B4 (8)	LED 3000K/80CRI 500LM/FT 9.4W/FT	NULITE (OR APROVED OTHER)	RP14-B-FF SERIES	TYPE :8FT DIRECT/INDIRECT LINEAR MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	60% DOWN-40% UP DISTRIBUTION MOUNT AT 10FT AFF TO BOTTOM OF FIXTURE. STANDARD WHITE FINISH BIKE ROOMS
C1	LED 3000K 1275LM 12W	USAI LIGHTING (OR APROVED OTHER)	BEVELED B4RD-G1 SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER	 LOBBIES, CORRIDORS
C2	LED 600LM/80CRI 3000K 10W	COOPER LIGHTING (OR APPROVED OTHER)	SMD4R12 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	WHITE TRIM UL LISTED DAMP LOCATION RESTROOMS, DOG WASH
C3	LED 650LM 3000K 10W	ALPHABET LIGHTING (OR APPROVED OTHER)	NU3RD SERIES	TYPE :3" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :DIFFUSED LENS VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	IC RATED --- FINISH APARTMENT ENTRY
C4	LED 3000K/90CRI 330LM/FT 3.2W/FT	TBD (OR APROVED OTHER)	TBD	TYPE :LED COVE LIGHT MOUNTING :SURFACE (IN COVE) HOUSING :ALUMINUM CHANNEL LENS/REFL :ACRYLIC VOLTAGE :24V BALLAST :LED DRIVER (NON-DIMMING)	PROVIDE POWER PACKS AS REQUIRED BY VENDOR. COVE LIGHTING CIRCUITED VIA EMERGENCY POWER SYSTEM. MAX. RUN LENGTH = 30T OR BETTER RESIDENTIAL CORRIDORS
C5	LED 3000K 1775LM 16W	USAI LIGHTING (OR APROVED OTHER)	BEVELED B4RD-G1 SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER	 ELEVATOR LOBBIES
C6	LED 3000K 600LM 8W	JUNO LIGHTING (OR APROVED OTHER)	2LEDDRIVER G2 SERIES	TYPE :2" DIA. ADJUSTABLE DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :NA VOLTAGE :MVOLT BALLAST :LED DRIVER	--- FINISH IC RATED LOBBY
G1	LED 3000K 8000LM 100W	DAYBRITE (OR APROVED OTHER)	FSX-8 SERIES	TYPE :8FT LINEAR STRIP MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :FROSTED POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	PROVIDE WITH 50% DIMMING DURING PERIODS OF LOW ACTIVITY GARAGE
G2	LED 3000K 4000LM 52W	DAYBRITE (OR APROVED OTHER)	FSX-4 SERIES	TYPE :4FT LINEAR STRIP MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :FROSTED POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	PROVIDE WITH 50% DIMMING DURING PERIODS OF LOW ACTIVITY GARAGE

LIGHTING FIXTURE LIST - DECORATIVE

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
LF1	LED 1640LM 3000K ⚠1 36W	RBW LIGHTING (OR APPROVED OTHER)	PD6PC40PC40 SERIES	TYPE :LARGE DECORATIVE PENDANT MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER 0-10 DIMMING	BROWN/GOLD FINISH MAIN LOBBY
LF2	LED 2700K 950LM 10W	IN COMMON WITH (OR APROVED OTHER)	PK-100012 SERIES ⚠1	TYPE :MINI PENDANT MOUNTING :SUSPENDED (VERIFY MNTG. HT) HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	RED OXIDE FINISH RESTROOMS
LF3	LED 3000K ⚠1 398LM/FT 18W	ALCON (OR APPROVED OTHER)	12100-R2P SERIES	TYPE :LINEAR PENDANT (DIRECT) MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER	BLACK FINISH ⚠1 GARAGE ENTRY
LF4	LED 3000K ⚠1 734LM/FT 72W	ALCON (OR APPROVED OTHER)	12100-R4P SERIES	TYPE :LINEAR PENDANT (DIRECT) MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	BLACK FINISH ⚠1 MAIL ROOM
LF5	LED 3000K 3570LM 42W	KUZCO LIGHTING (OR APROVED OTHER)	FM43522 SERIES	TYPE :21" DIA. CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER (0/10 DIMMING)	BLACK FINISH ⚠1 FITNESS ROOM
LF6	LED 2700K ---LM 3.5W	TECH LIGHTING (OR APROVED OTHER)	DUOMO 700 SERIES	TYPE :20" DIA. PENDANT MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING : LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER - DIMMING	SMOKE,SATIN FINISH ⚠1 CLUBROOM
LF7	LED ---K 480LM 5W	BRENDAN RAVENHILL (OR APROVED OTHER)	GRAIN PENDANT 13 SERIES	TYPE :PENDANT SCONCE MOUNTING :SURFACE-WALL (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :NA VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK, BRASS FINISH ⚠1 CLUBROOM
⚠1 LF8	LED 3000K 900LM 9W	USAI LIGHTING (OR APROVED OTHER)	BEVELED B4RD-G1 SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER	BLACK TRIM KIT ELEVATOR LOBBIES
LF9	LED 2700K 275LM 5W	ALLIED MAKER (OR APROVED OTHER)	WAL-005	TYPE :SCONCE MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GALSS VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BLACK FINISH ADA COMPLIANT REFER TO INTERIOR DESIGN PLANS FOR MOUNTING HEIGHT. CLUBROOM
LF10	LED TBD TBD 13.5W	RESTORATION HARDWARE	CANNELLE SERIES	TYPE :24" GALLERY LIGHT MOUNTING :WALL MOUNT HOUSING :STEEL LENS/REFL :NA VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	BRONZE FINISH REFER TO INTERIOR DESIGN PLANS FOR MOUNTING HEIGHT CLUBROOM
LF11	LED 3000K 234LM/FT 3.2W/FT	LUMINI	KENDO RS SERIES	TYPE :LINEAR STRIP MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :FROSTED ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	ANODIZED SILVER FINISH REFER TO INTERIOR DESIGN PLANS FOR LENGTHS AT EACH FIXTURE LOCATION OFFICE, CLUBROOM
LF12	LED 3000K 825LM 9W	USAI LIGHTING (OR APROVED OTHER)	BEVELED B3RD-L2 SERIES	TYPE :3" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER	BLACK TRIM KIT COFFEE BAR, SORTING, CLUBROOM
LF13	LED 3000K 800LM/FT 8.3W/FT	PRUDENTIAL LIGHTING (OR APROVED OTHER)	P23 PER REG1 SERIES	TYPE :WALL GLAZER MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :MATTE WHITE VOLTAGE :MVOLT BALLAST :LED DRIVER	BLACK TRIM KIT REFER TO INTERIOR DESIGN PLANS FOR FIXTURE LENGTH AND CONFIGURATION. LOBBY NICHE

⚠1 FITNESS ROOM FANS

TYPE	MFR	MODEL	VOLTAGE	DESCRIPTION
HF1	BIG ASS FANS	F-AE 1 20	120V	AIREYE 20" WALL MOUNT WITH 3FT DROP CORD EXTENSION AND VARIABLE SPEED CONTROL. PROVIDE IN WALL BLOCKING AS REQUIRED. CONSULT INTERIOR DESIGNER FOR CONTROL TYPE AND LOCATION. FINISHES ARE PER INTERIOR DESIGNER'S DIRECTION.
HF2	BIG ASS FANS	S3150	120V	HAIKU 60" LOW PROFILE CEILING FAN WITH LED LIGHT KIT. PROVIDE IN CEILING BLOCKING AS REQUIRED. CONSULT INTERIOR DESIGNER FOR LOCATION OF WALL MOUNT REMOTE. FINISHES ARE PER INTERIOR DESIGNER'S DIRECTION.

GENERAL NOTES:

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

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

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

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

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

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

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

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

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

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

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

L. BUILDING MOUNTED EXTERIOR WALL SCONCES, TYPE S3b, 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:

1. CONTRACTOR TO DETERMINE FIXTURE LENGTH BASED ON ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING PLANS. DESIGN INTENT IS FOR THE FIXTURE TO RUN THE ENTIRE LENGTH OF THE "COVE" TO PROVIDE EVEN LIGHT DISTRIBUTION.
2. STAIRWELL AND BOH CORRIDOR LIGHT FIXTURES TO BE EQUIPPED WITH FACTORY INSTALLED (OR REMOTE) OCCUPANCY SENSORS FOR MIN. 50% LIGHT REDUCTION DURING PERIODS OF NO ACTIVITY.
3. 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.
4. CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE INSTALL. 24V FIXTURE TRANSFORMER/POWER SUPPLY TO BE LOCATED IN THE CABINET BELOW THE SHELVING.
5. 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.
6. 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.
7. PROVIDE WITH WEATHER PROOF J-BOX FOR SOIL CONTACT.
8. VERIFY MOUNTING HEIGHT OF FIXTURES IS NOT IN CONFLICT WITH ROOM EQUIPMENT.
9. BOLLARD LIGHTS ALONG THE BUILDING WALKWAYS SHALL BE INSTALLED SUCH THAT ANY PROJECTION FACES AWY FROM THE BUILDING.

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PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
⚠1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

2202 E BURNSIDE ST, PORTLAND, OR 97214

SHEET:
E1.21
LIGHTING SCHEDULES & DETAILS

LIGHTING FIXTURE LIST – SITE & EXTERIOR

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
S1	LED 3000K 975LM 14W	USAI LIGHTING (OR APROVED 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
S2	LED 3000K 650LM 10W	BEGA LIGHTING (OR APROVED OTHER)	66-655 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
S3	LED 3000K 2450LM 22W	GARDCO LIGHTING (OR APROVED OTHER)	PWS SERIES	TYPE :EXTERIOR WALL PACK MOUNTING :SURFACE (+8'-0") HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III DISTRIBUTION BUILDING SERVICE ENTRANCES
S4	LED 3000K ---LM --W	TBD (OR APROVED OTHER)	TBD	TYPE :EXTERIOR WALL SCONCE MOUNTING :SURFACE (+8'-0") HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	 BUILDING ENTRANCES

LIGHTING FIXTURE LIST – EXITING

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
X1	LED (GREEN LETTERS) (1.5W)	LITHONIA DMF LIGHTING (OR APROVED OTHER)	LE EL N SERIES DLED500EM-G	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE/DUAL FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	
X2	LED (GREEN LETTERS) (3.5W)	LITHONIA (OR APROVED OTHER)	LRE 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.
X3	LED (GREEN LETTERS) (3.5W)	LITHONIA (OR APROVED OTHER)	WLTE EL SERIES BLACK FINISH	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	UL LISTED WET LOCATION
X4	LED (GREEN LETTERS) (3.5W)	LITHONIA (OR APROVED OTHER)	ECBG LED SERIES	TYPE :EMERGENCY/EXIT COMBO MOUNTING :UNIVERSAL HOUSING :THERMOPLASTIC LENS/REFL :SINGLE FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	INTEGRATED EMERGENCY LIGHT

LIGHTING NOTES:

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

LIGHTING FIXTURE LIST – TYPICAL LIVING UNITS

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
U1 ⑤	LED 650 LM 3000K 10W	LIGHTOLIER (OR APPROVED OTHER)	S5R SERIES	TYPE :5" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	--- FINISH 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	--- FINISH UNIT DINING
U3	LED 3000K 200LM 5W	WAC LIGHTING (OR APROVED OTHER)	HR-LED90 SERIES	TYPE :UNDER CABINET LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :24V BALLAST :LED DRIVER (ELV DIMMING)	--- FINISH UNIT KITCHEN
U4	LED 2400LM 3000K 29W	KUZCO LIGHTING (OR APROVED OTHER)	VL61224 SERIES	TYPE :24" VANITY LIGHT MOUNTING :SURFACE (+6" ABOVE MIRROR) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER	--- FINISH UNIT BATHROOM
U5 ⑥	(1) 18W LED 1400LM/90CRI 3000K 35W	FANTIMATION (OR APROVED OTHER)	HUGH 52 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

LANDSCAPE LIGHTING:

TYPE	LAMP	VOLTAGE	DESCRIPTION
LT1	LED	12V	LED TAPE & CHANNEL
LT2	LED	120V	RECESSED STEP LIGHT
LT3	LED	120V	WALL MOUNTED SPOT LIGHT
LT4	LED	12V	RAIL MOUNTED LIGHT
LT5	LED	120V	RECESS DOWNLIGHT
LT6	LED	120V	SURFACE MOUNTED PARAPET LIGHT

LANDSCAPE LIGHTING NOTES:

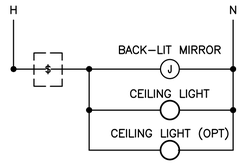
A. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL POWER TO THE TERRACE LIGHTING AS INDICATED. FIXTURES TO BE PURCHASED AND INSTALLED BY THE LANDSCAPER AND THE ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL POWER CONNECTION, UNLESS OTHERWISE NOTED.

B. REFER TO LANDSCAPE PLANS & SPECIFICATIONS FOR EXACT LIGHTING REQUIREMENTS AND MOUNTING HEIGHTS.

C. COORDINATE ALL WORK WITH THE LANDSCAPER PRIOR TO AND DURING CONSTRUCTION.

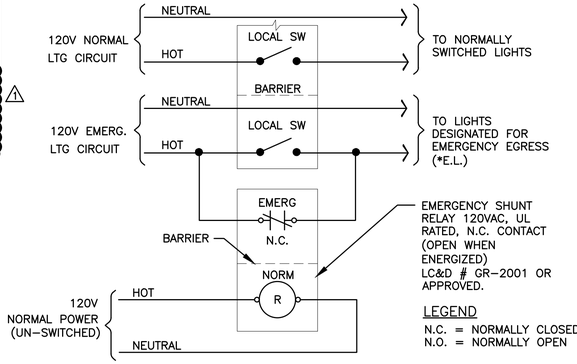
D. ALL TERRACE LIGHTING SHALL BE WET LOCATION LISTED.

E. ALL TERRACE LIGHTING SHALL BE CIRCUITED VIA MECHANICAL TIME CLOCK. REFER TO THE LIGHTING CONTROL PANEL DIAGRAM ON THIS SHEET.

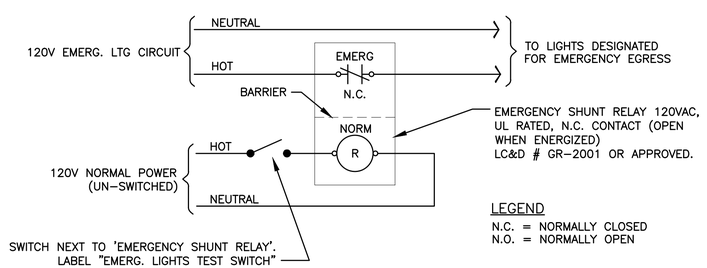


BATHROOM WITH CEILING LIGHT(S)
& BACK-LIT MIRROR

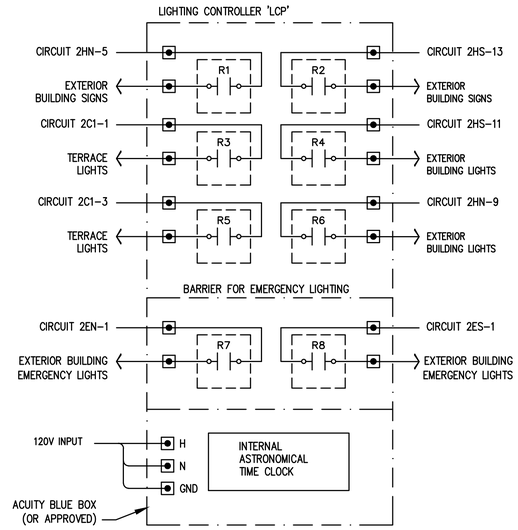
1 / E1.22 BATHROOM SWITCHING DIAGRAMS – TYPICAL
NO SCALE



3 / E1.22 EMERGENCY EGRESS LIGHTING – SWITCHED
NO SCALE



2 / E1.22 EMERGENCY EGRESS LIGHTING – UNSWITCHED
NO SCALE



EXTERIOR LIGHTING CONTROL SYSTEM DIAGRAM – LCP

4 / E1.22
NO SCALE

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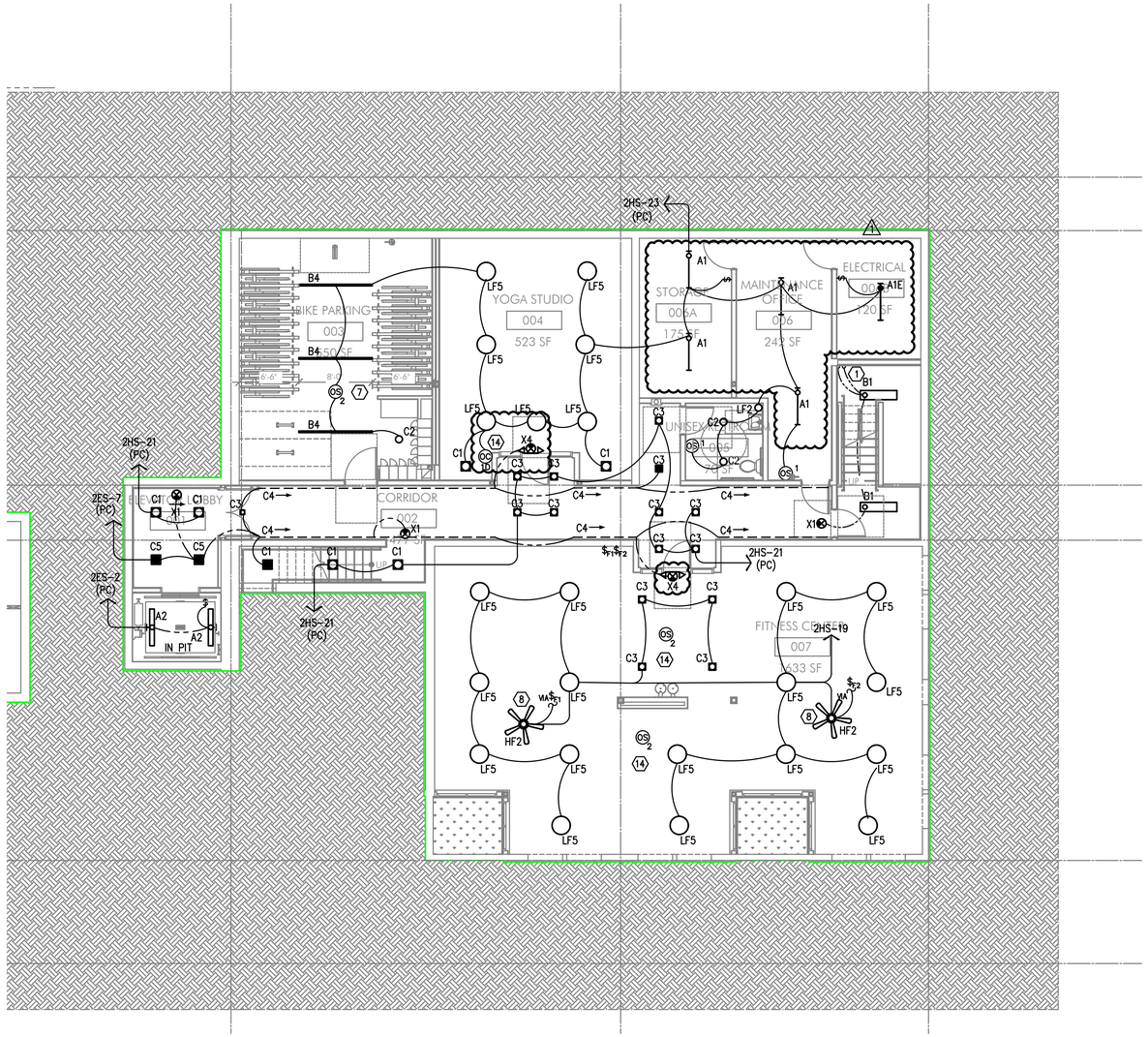

SE / E2.00 PARTIAL BASEMENT LEVEL LIGHTING PLAN

SCALE: 1/8 = 1'-0"

GENERAL LIGHTING NOTES:

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

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL 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 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

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. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS BY A MINIMUM OF 50% FOR FIXTURES ON 'NORMAL POWER' CIRCUITS.
5. POWER SUPPLY DEVICES FOR CORRIDOR COVE LIGHTING TO BE MOUNTED ABOVE CEILING. CONTRACTOR SHALL CONSULT MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN FOR A COMPLETE INSTALL. CORRIDOR COVE LIGHTING TO BE CONSTANT 'ON' AND CIRCUITED VIA THE EMERGENCY BACKUP POWER SYSTEM.
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. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'HF2' CEILING FANS ARE PURCHASED BY OTHERS. PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
9. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
10. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO SHEET E1.23 FOR MORE INFORMATION REGARDING LIGHTING CONTROLS.
11. LIGHTING CONTROLS FOR THIS AREA LOCATED IN LEASE OFFICE.
12. LIGHTING CONTROLS FOR THIS AREA LOCATED IN DATA CLOSET.
13. ALL COMMUNITY ROOM LIGHTING CONTROLS SHALL BE GANGED TOGETHER AND PROVIDED WITH A LOCKING COVER.
14. REFER TO SHEET E1.23, DETAIL #1 REGARDING LIGHTING CONTROL INFORMATION FOR THIS AREA.

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REGISTERED PROFESSIONAL ENGINEER
16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

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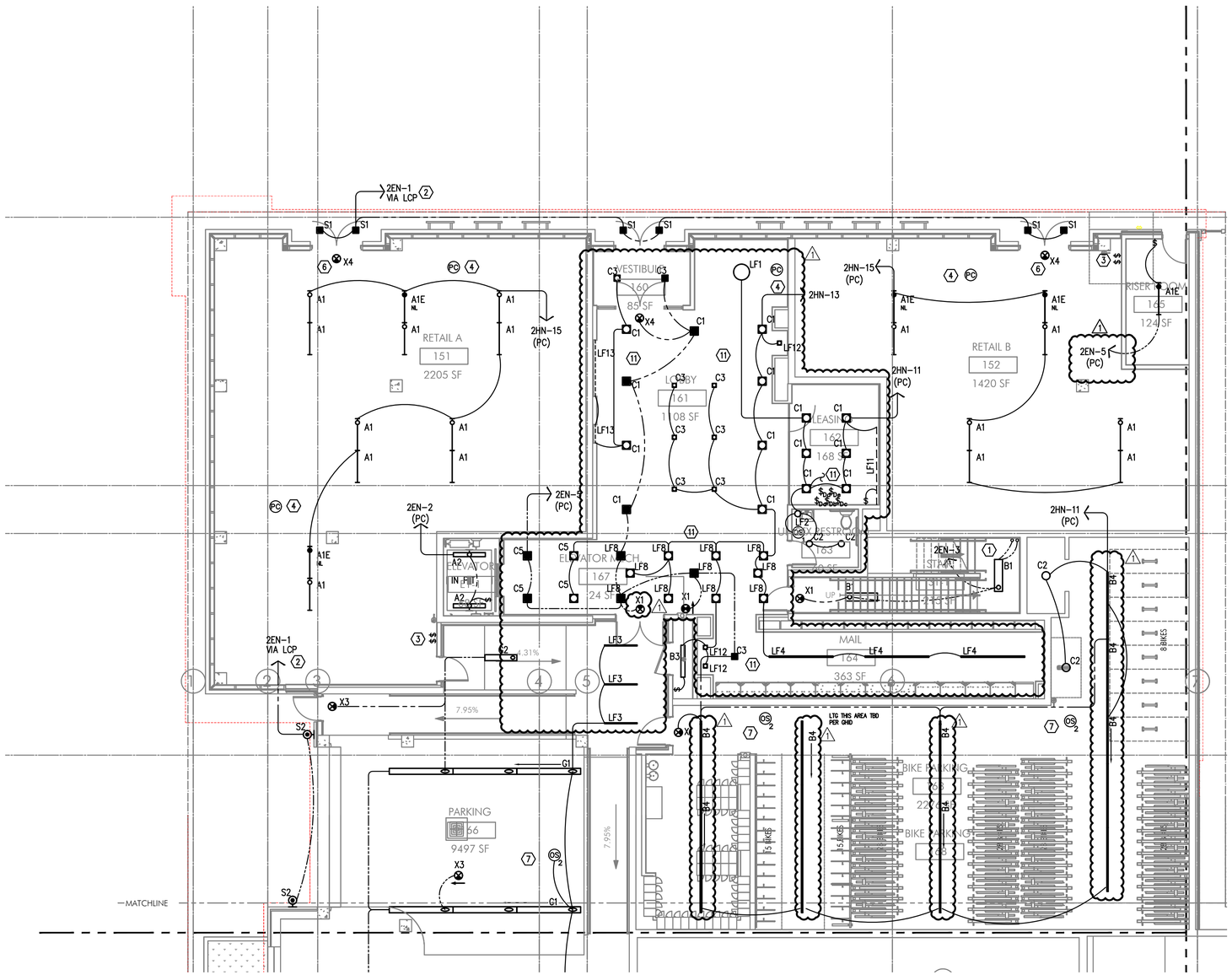
SHEET:
E2.00
SE
BASEMENT LEVEL LIGHTING PLAN-SE



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

GENERAL LIGHTING NOTES:

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

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL 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 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

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.
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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. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'HF2' CEILING FANS ARE PURCHASED BY OTHERS. PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
9. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
10. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO SHEET E1.23 FOR MORE INFORMATION REGARDING LIGHTING CONTROLS.
11. LIGHTING CONTROLS FOR THIS AREA LOCATED IN LEASE OFFICE.
12. LIGHTING CONTROLS FOR THIS AREA LOCATED IN DATA CLOSET.
13. ALL COMMUNITY ROOM LIGHTING CONTROLS SHALL BE GANGED TOGETHER AND PROVIDED WITH A LOCKING COVER.
14. REFER TO SHEET E1.23, DETAIL #1 REGARDING LIGHTING CONTROL INFORMATION FOR THIS AREA.

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REGISTERED PROFESSIONAL ENGINEER
16,597
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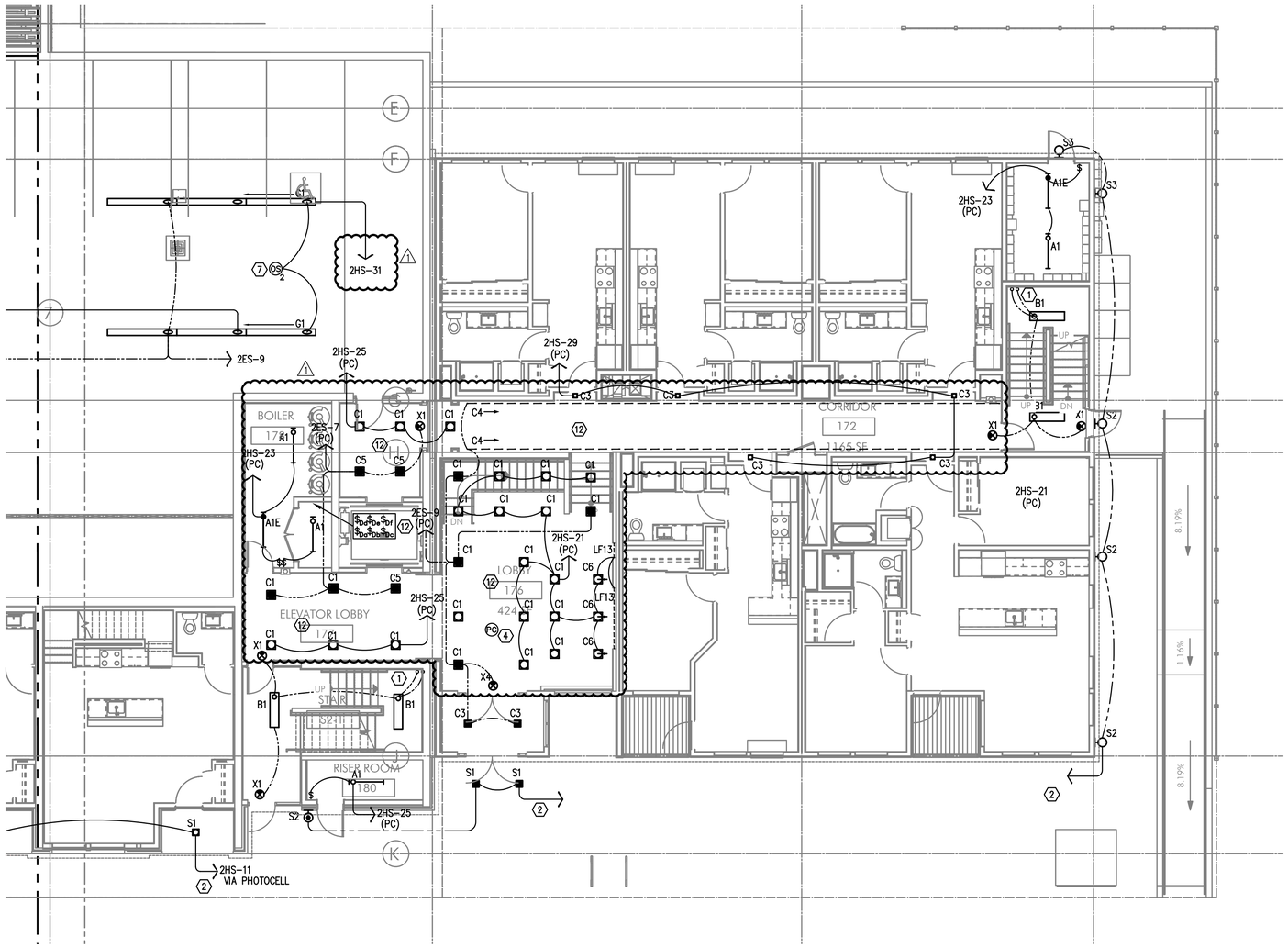
SHEET:
E2.01
N
FIRST FLOOR LIGHTING PLAN-NORTH



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

GENERAL LIGHTING NOTES:

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

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL 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 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

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. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS BY A MINIMUM OF 50% FOR FIXTURES ON 'NORMAL POWER' CIRCUITS.
5. POWER SUPPLY DEVICES FOR CORRIDOR COVE LIGHTING TO BE MOUNTED ABOVE CEILING. CONTRACTOR SHALL CONSULT MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN FOR A COMPLETE INSTALL. CORRIDOR COVE LIGHTING TO BE CONSTANT 'ON' AND CIRCUITED VIA THE EMERGENCY BACKUP POWER SYSTEM.
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. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'HF2' CEILING FANS ARE PURCHASED BY OTHERS. PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
9. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
10. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO SHEET E1.23 FOR MORE INFORMATION REGARDING LIGHTING CONTROLS.
11. LIGHTING CONTROLS FOR THIS AREA LOCATED IN LEASE OFFICE.
12. LIGHTING CONTROLS FOR THIS AREA LOCATED IN DATA CLOSET.
13. ALL COMMUNITY ROOM LIGHTING CONTROLS SHALL BE GANGED TOGETHER AND PROVIDED WITH A LOCKING COVER.
14. REFER TO SHEET E1.23, DETAIL #1 REGARDING LIGHTING CONTROL INFORMATION FOR THIS AREA.

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EXPIRES 12-31-2021

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REVISIONS
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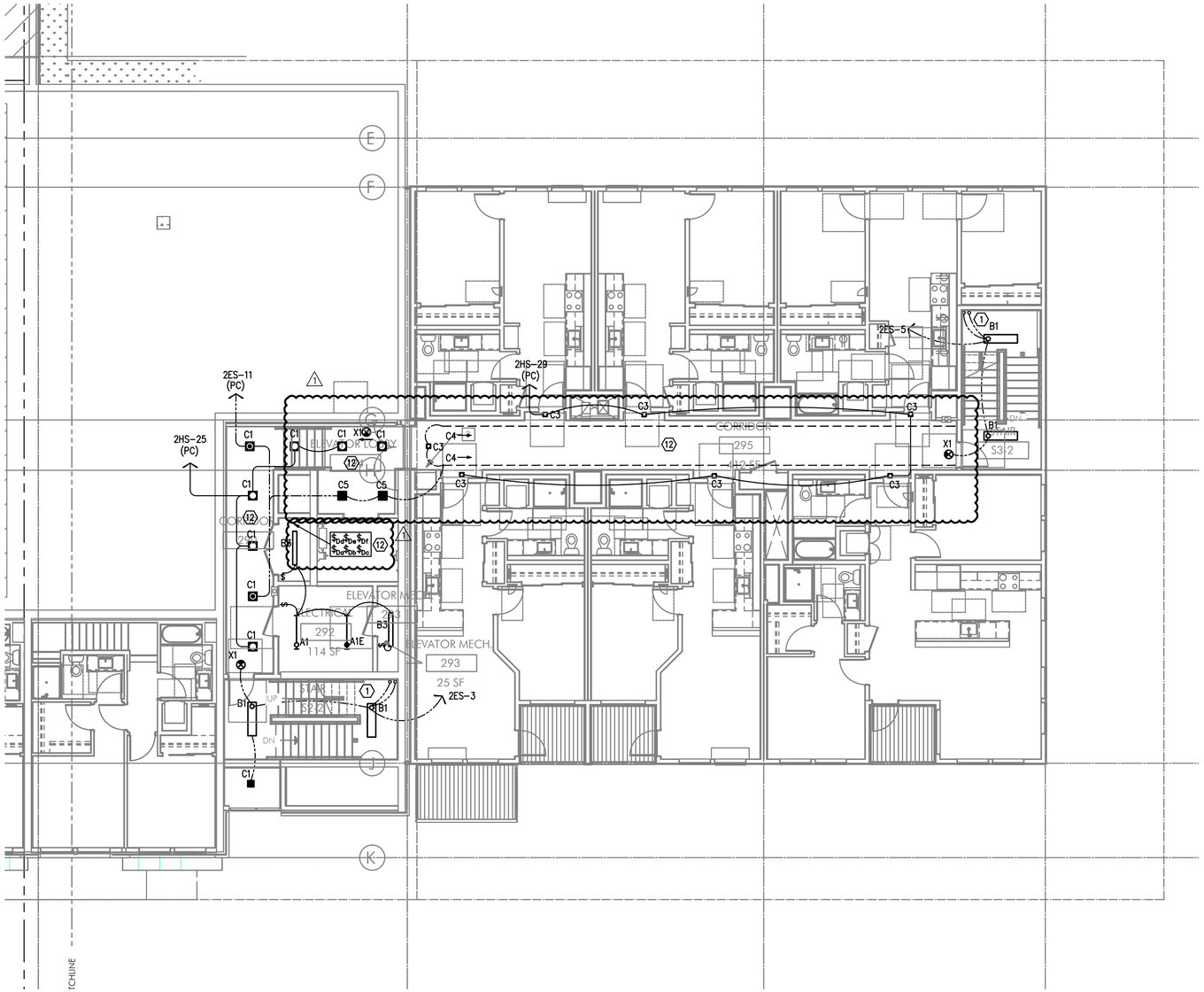
SHEET:
E2.01
SE
FIRST FLOOR LIGHTING PLAN-SE



SE / E2.02 PARTIAL SECOND FLOOR LIGHTING PLAN
SCALE: 1/8 = 1'-0"

GENERAL LIGHTING NOTES:

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

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

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

D. REFER TO SHEET E1.21 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OI 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 PACI DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

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

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT ANI OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, 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 S AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABO FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TC 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-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 AC MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24 ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALI BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS BY A MINIMUM OF 50% FOR FIXTURES OI 'NORMAL POWER' CIRCUITS.
5. POWER SUPPLY DEVICES FOR CORRIDOR COVE LIGHTING TO BE MOUNTED ABOVE CEILING. CONTRACTOR SHAL CONSULT MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN FOR A COMPLETE INSTALL. CO COVE LIGHTING TO BE CONSTANT 'ON' AND CIRCUITED VIA THE EMERGENCY BACKUP POWER SYSTEM.
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. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'HF2' CEILING FANS ARE PURCHASED BY OTHERS. PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS. COORD WITH INTERIORS FOR CONTROLS TYPE LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
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10. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO SHEET E1.23 FOR MORE INFORMA REGARDING LIGHTING CONTROLS.
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12. LIGHTING CONTROLS FOR THIS AREA LOCATED IN DATA CLOSET.
13. ALL COMMUNITY ROOM LIGHTING CONTROLS SHALL BE GANGED TOGETHER AND PROVIDED WITH A LOCKING C
14. REFER TO SHEET E1.23, DETAIL #1 REGARDING LIGHTING CONTROL INFORMATION FOR THIS AREA.

LIGHTING CONTROL NOTES (1ST FLOOR):

1. ENTRY VESTIBULE #160: LIGHTING TO BE ON 24/7 AND CONTROLLED VIA CEILING MOUNTED PHOTOCELL TO LIGHT LEVELS DURING DAYLIGHT PERIODS.
2. LEASING OFFICE: LIGHTING TO BE ON 24/7 AND CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. OCCUPANCY SENSORS SHALL DIM FIXTURES BY 50% DURING PERIODS OF INACTIVITY AND RETURN TO FULL C IMMEDIATELY UPON DETECTION OF OCCUPANCY. SENSORS SHALL BE FIELD ADJUSTED AND SET TO DIM A MIN

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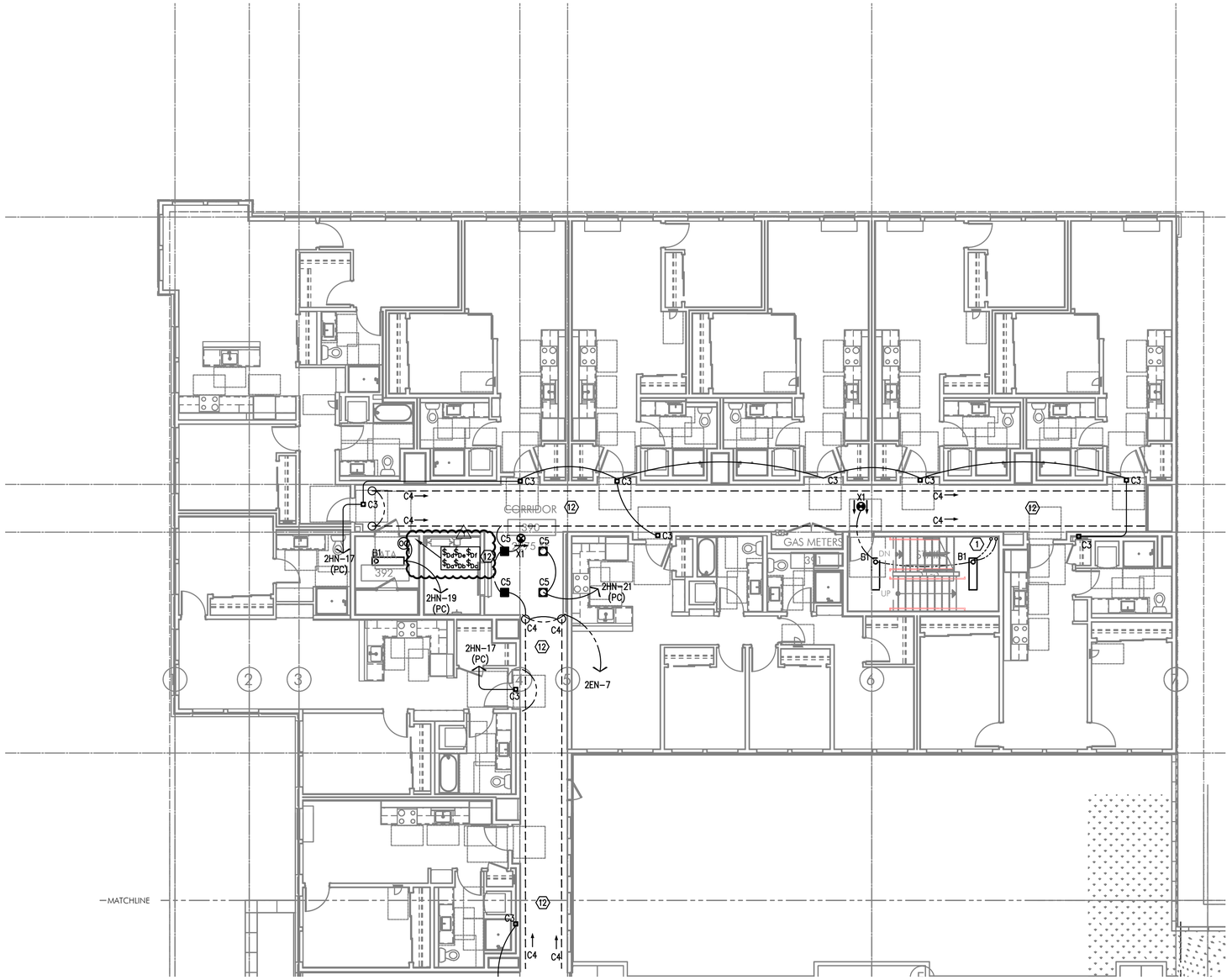
BURNSIDE MIXED USE

2202 E BURNSIDE ST, PORTLAND, OR 97214

SHEET:
E2.02
SE
SECOND FLOOR LIGHTING PLAN-SE



N PARTIAL THIRD FLOOR LIGHTING PLAN
E2.03 SCALE: 1/8 = 1'-0"

GENERAL LIGHTING NOTES:

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

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

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

D. REFER TO SHEET E1.21 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OI 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 PACI DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

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J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT ANI OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, 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 S AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABO FINISHED CEILINGS.

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KEYED NOTES:

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4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS BY A MINIMUM OF 50% FOR FIXTURES OI 'NORMAL POWER' CIRCUITS.
5. POWER SUPPLY DEVICES FOR CORRIDOR COVE LIGHTING TO BE MOUNTED ABOVE CEILING. CONTRACTOR SHAL CONSULT MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN FOR A COMPLETE INSTALL. CO COVE LIGHTING TO BE CONSTANT 'ON' AND CIRCUITED VIA THE EMERGENCY BACKUP POWER SYSTEM.
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.
1 8. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'HF2' CEILING FANS ARE PURCHASED BY OTHERS. PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS. COORD WITH INTERIORS FOR CONTROLS TYPE LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
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1 10. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO SHEET E1.23 FOR MORE INFORMA REGARDING LIGHTING CONTROLS.
11. LIGHTING CONTROLS FOR THIS AREA LOCATED IN LEASE OFFICE.
12. LIGHTING CONTROLS FOR THIS AREA LOCATED IN DATA CLOSET.
13. ALL COMMUNITY ROOM LIGHTING CONTROLS SHALL BE GANGED TOGETHER AND PROVIDED WITH A LOCKING C
14. REFER TO SHEET E1.23, DETAIL #1 REGARDING LIGHTING CONTROL INFORMATION FOR THIS AREA.

LIGHTING CONTROL NOTES (1ST FLOOR):

1. ENTRY VESTIBULE #160: LIGHTING TO BE ON 24/7 AND CONTROLLED VIA CEILING MOUNTED PHOTOCELL TO LIGHT LEVELS DURING DAYLIGHT PERIODS.
2. LEASING OFFICE: LIGHTING TO BE ON 24/7 AND CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. OCCUPANCY SENSORS SHALL DIM FIXTURES BY 50% DURING PERIODS OF INACTIVITY AND RETURN TO FULL C IMMEDIATELY UPON DETECTION OF OCCUPANCY. SENSORS SHALL BE FIELD ADJUSTED AND SET TO DIM A MIN

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REGISTERED PROFESSIONAL ENGINEER
16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
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REVISIONS
1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

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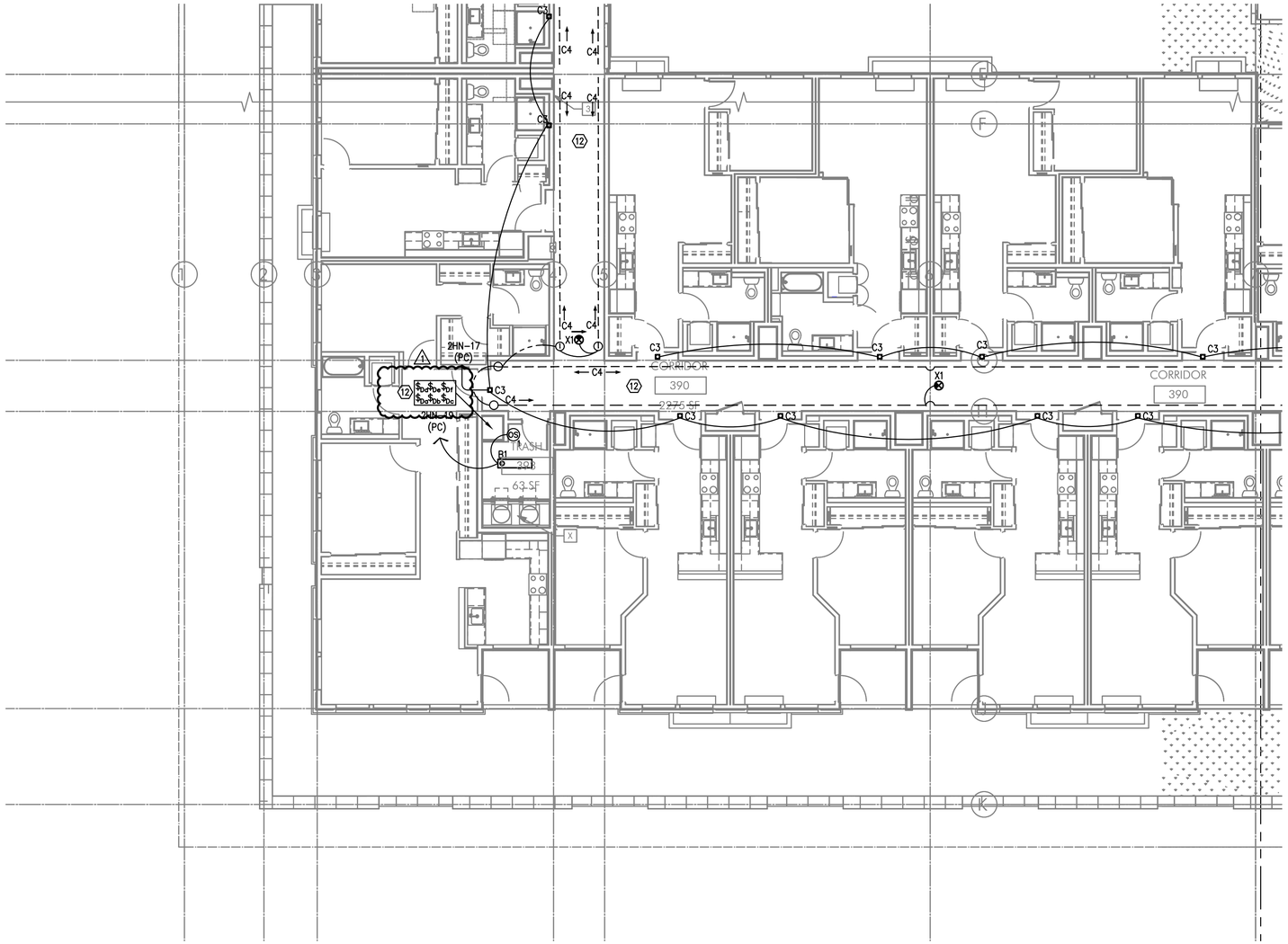
SHEET:
E2.03
N
THIRD FLOOR LIGHTING PLAN-NORTH



S E2.03 PARTIAL THIRD FLOOR LIGHTING PLAN

SCALE: 1/8 = 1'-0"

GENERAL LIGHTING NOTES:

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

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

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

D. REFER TO SHEET E1.21 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OI 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 PACI DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

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

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

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TC 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-OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
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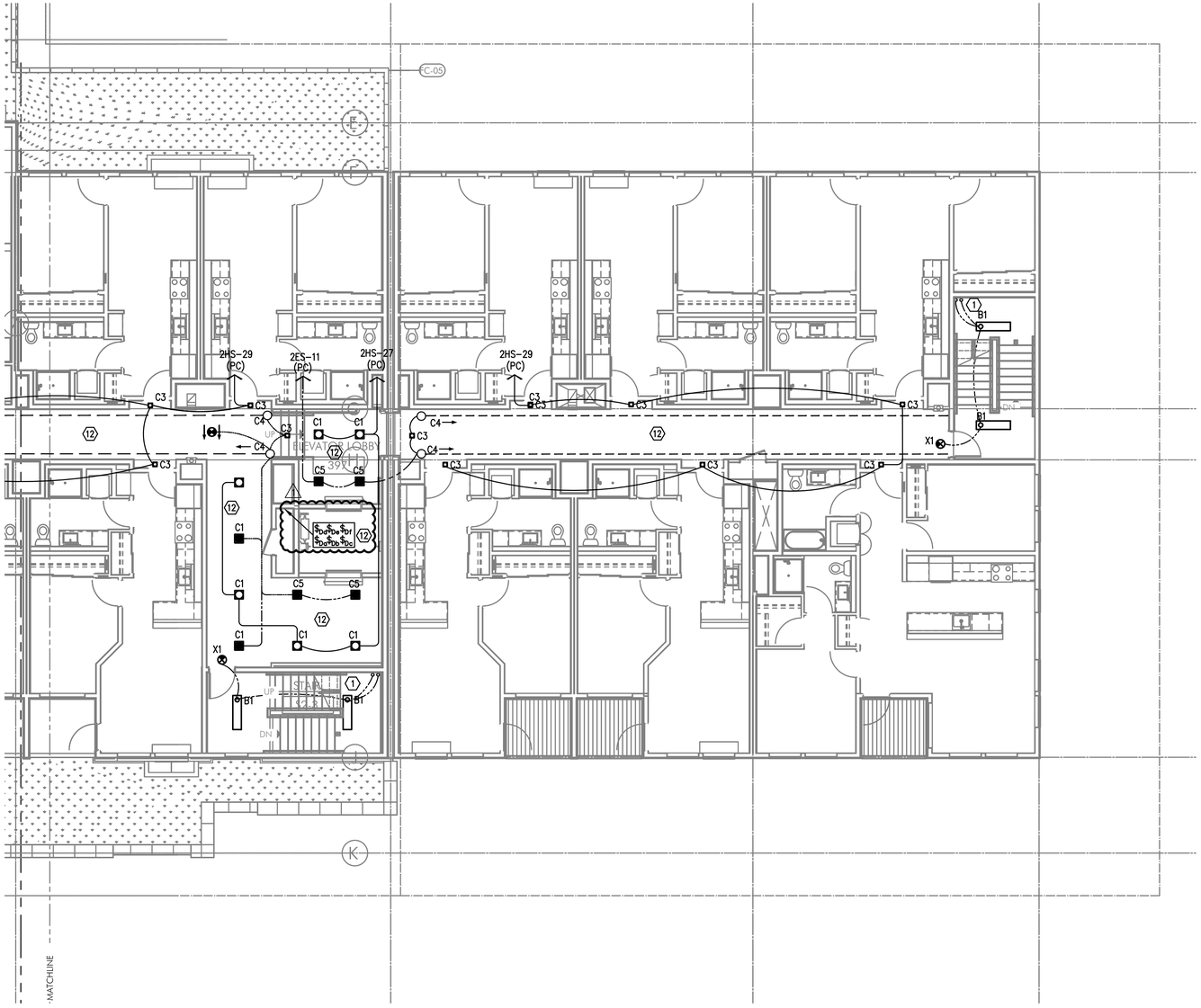
SHEET:
E2.03
S
THIRD FLOOR LIGHTING PLAN-SOUTH



SE E2.03 PARTIAL THIRD FLOOR LIGHTING PLAN ⚠1
SCALE: 1/8 = 1'-0"

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⚠1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

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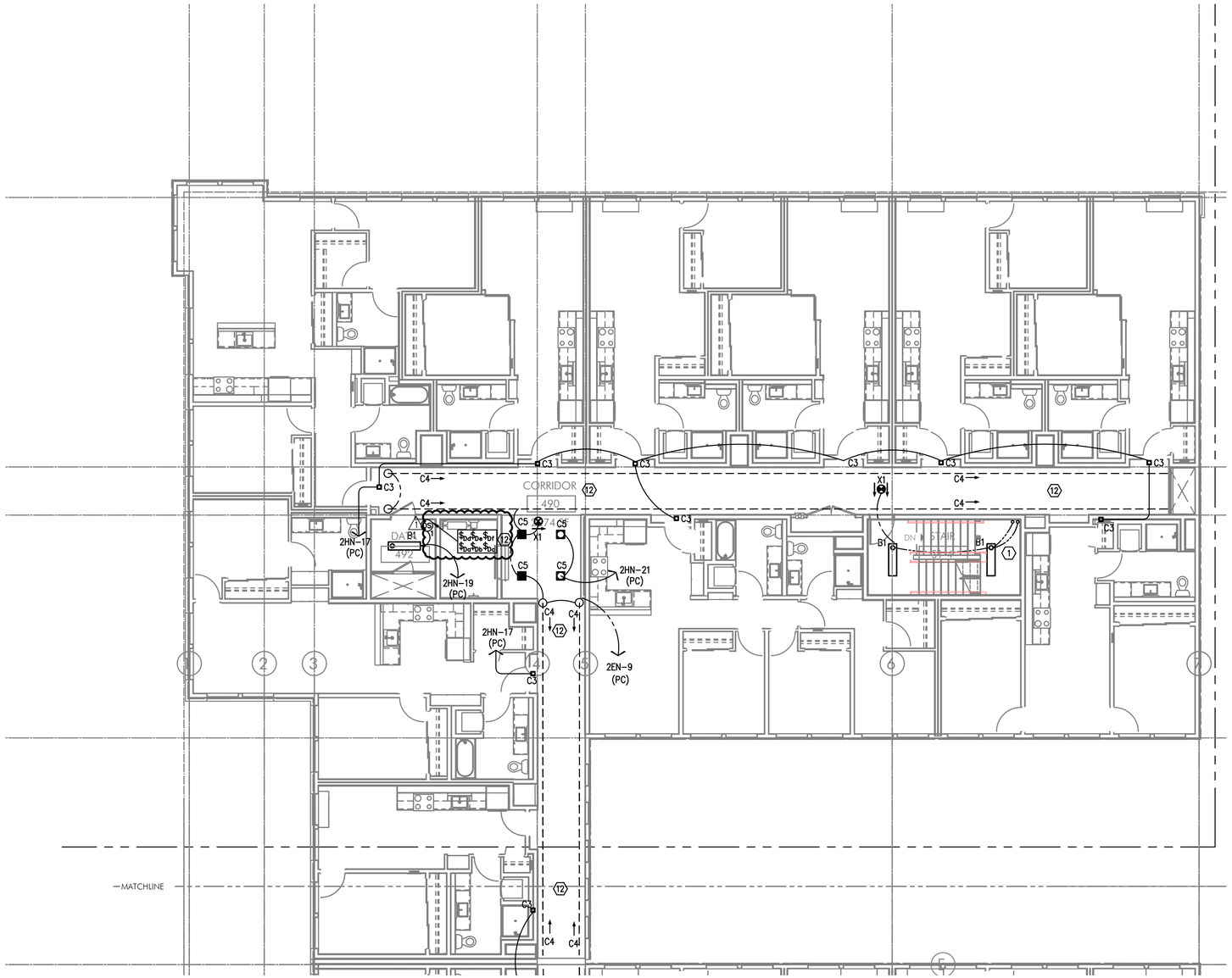
SHEET:
E2.03 SE
THIRD FLOOR LIGHTING PLAN-SE



N
E2.04 PARTIAL FOURTH FLOOR LIGHTING PLAN
SCALE: 1/8 = 1'-0"

GENERAL LIGHTING NOTES:

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BURNSIDE MIXED USE

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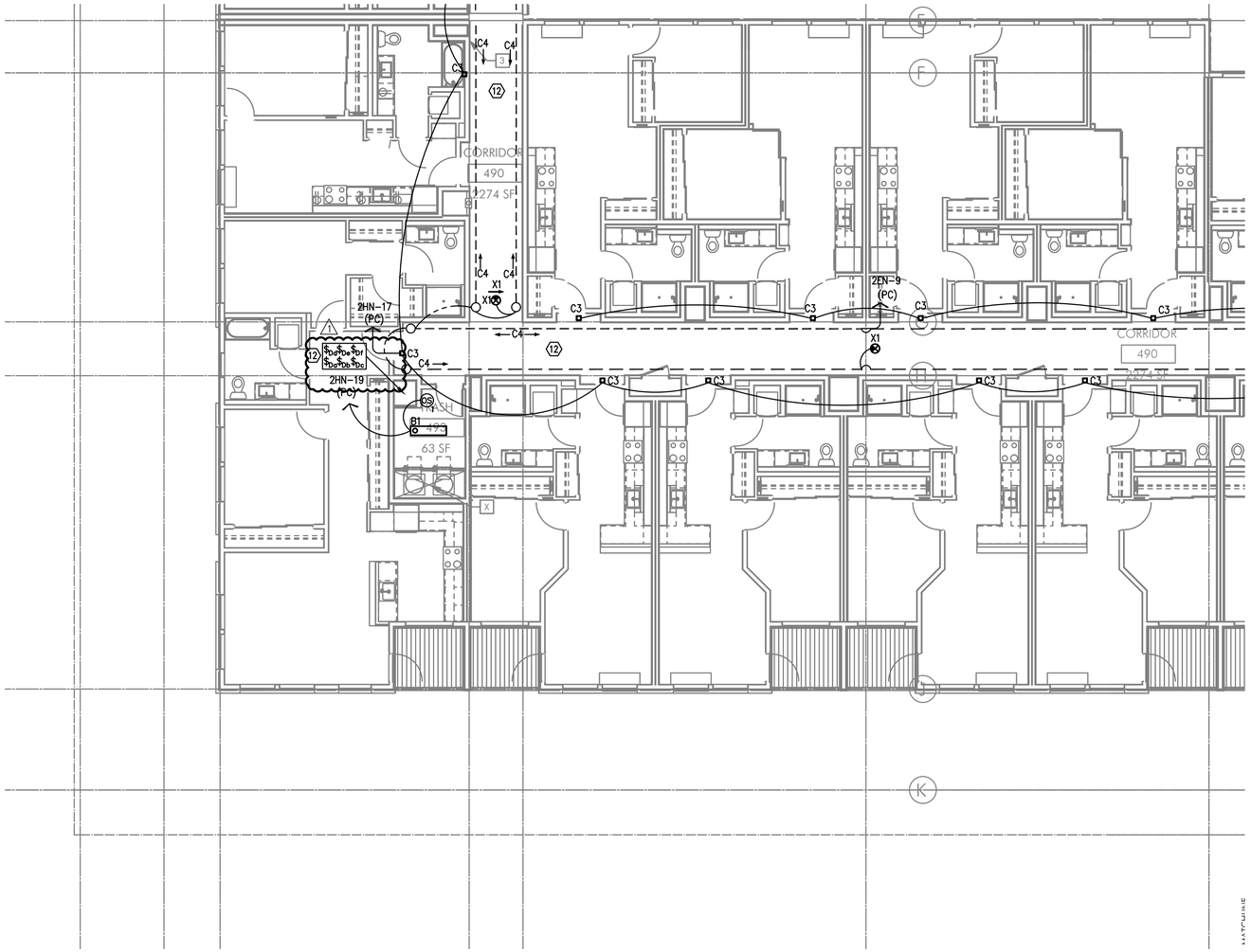
SHEET:
E2.04
N
FOURTH FLOOR LIGHTING PLAN-NORTH



S / E2.04 PARTIAL FOURTH FLOOR LIGHTING PLAN

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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. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'HF2' CEILING FANS PURCHASED BY OTHERS. PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS. WITH INTERIORS FOR CONTROLS TYPE LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEE
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12. LIGHTING CONTROLS FOR THIS AREA LOCATED IN DATA CLOSET.
13. ALL COMMUNITY ROOM LIGHTING CONTROLS SHALL BE GANGED TOGETHER AND PROVIDED WITH A LOC
14. REFER TO SHEET E1.23, DETAIL #1 REGARDING LIGHTING CONTROL INFORMATION FOR THIS AREA.

LIGHTING CONTROL NOTES (1ST FLOOR):

1. ENTRY VESTIBULE #160: LIGHTING TO BE ON 24/7 AND CONTROLLED VIA CEILING MOUNTED PHOTOCE LIGHT LEVELS DURING DAYLIGHT PERIODS.
2. LEASING OFFICE: LIGHTING TO BE ON 24/7 AND CONTROLLED VIA CEILING MOUNTED OCCUPANCY SEN OCCUPANCY SENSORS SHALL DIM FIXTURES BY 50% DURING PERIODS OF INACTIVITY AND RETURN TO IMMEDIATELY UPON DETECTION OF OCCUPANCY. SENSORS SHALL BE FIELD ADJUSTED AND SET TO DIM

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ROBERT L. CONNELL
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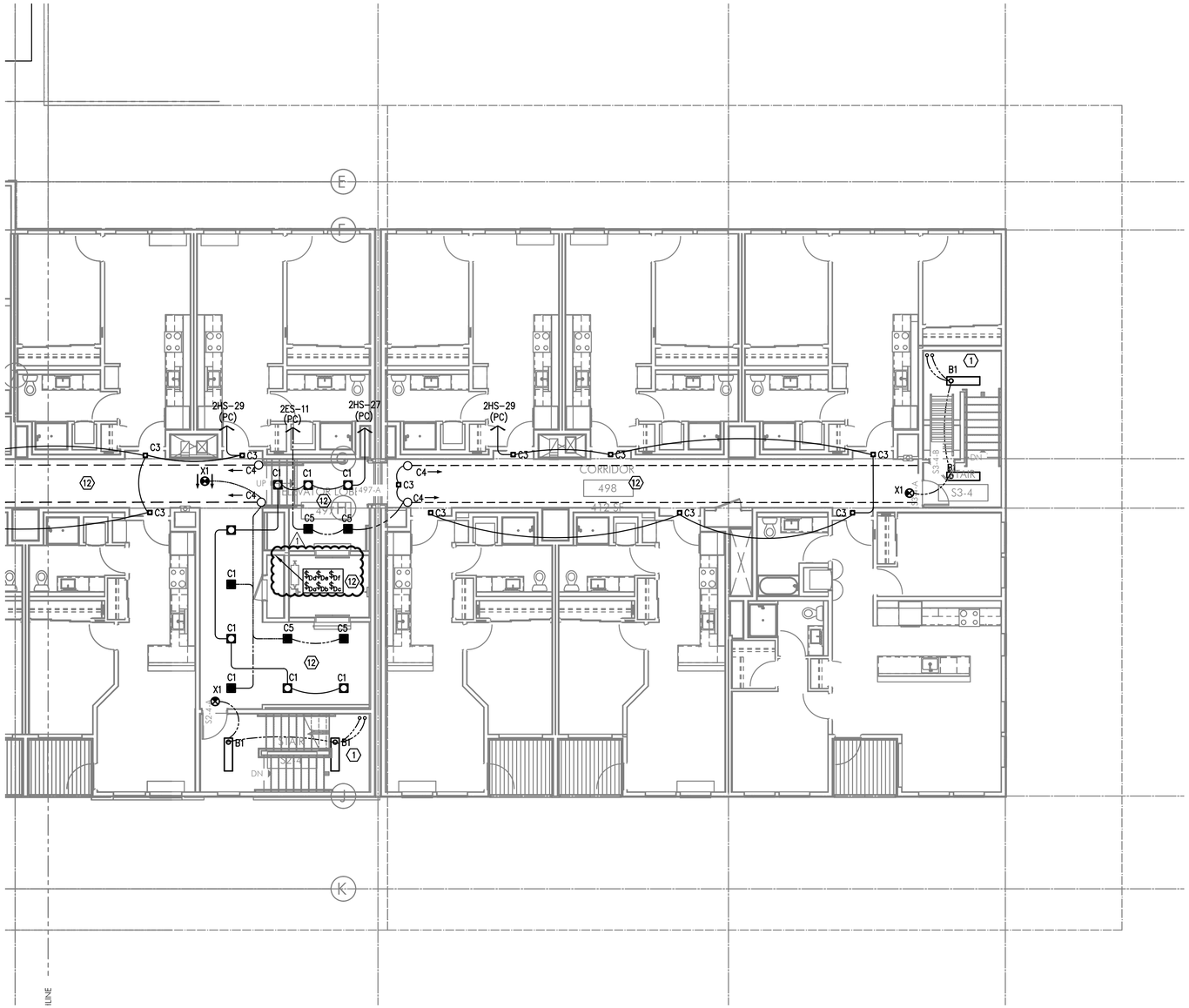
SHEET:
E2.04
S
FOURTH FLOOR LIGHTING PLAN–SOUTH



SE E2.04 PARTIAL FOURTH FLOOR LIGHTING PLAN

SCALE: 1/8 = 1'-0"

GENERAL LIGHTING NOTES:

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

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

D. REFER TO SHEET E1.21 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OI 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 PACI DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

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

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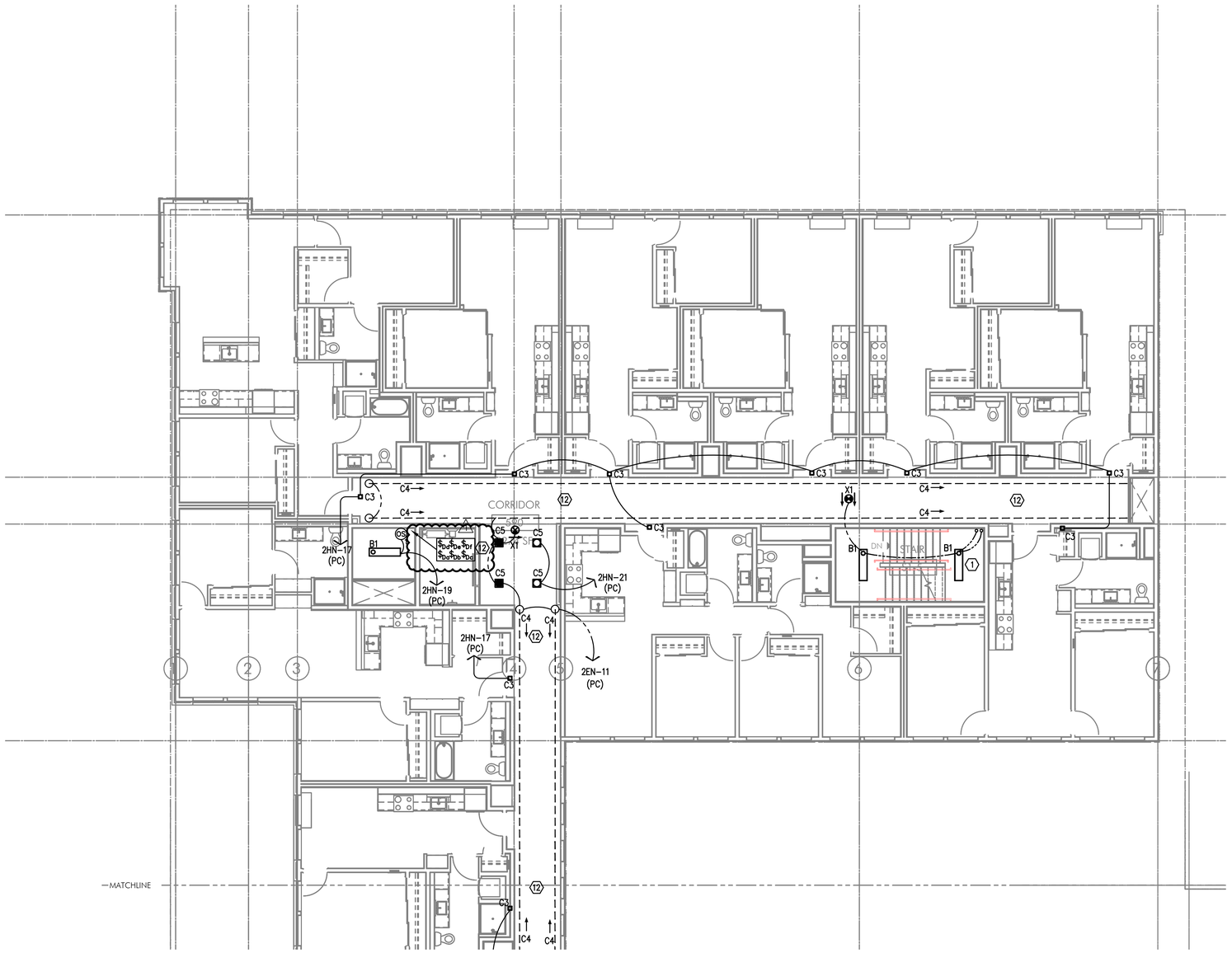
FOURTH FLOOR LIGHTING PLAN-SE



N E2.05 PARTIAL FIFTH FLOOR LIGHTING PLAN ⚠1

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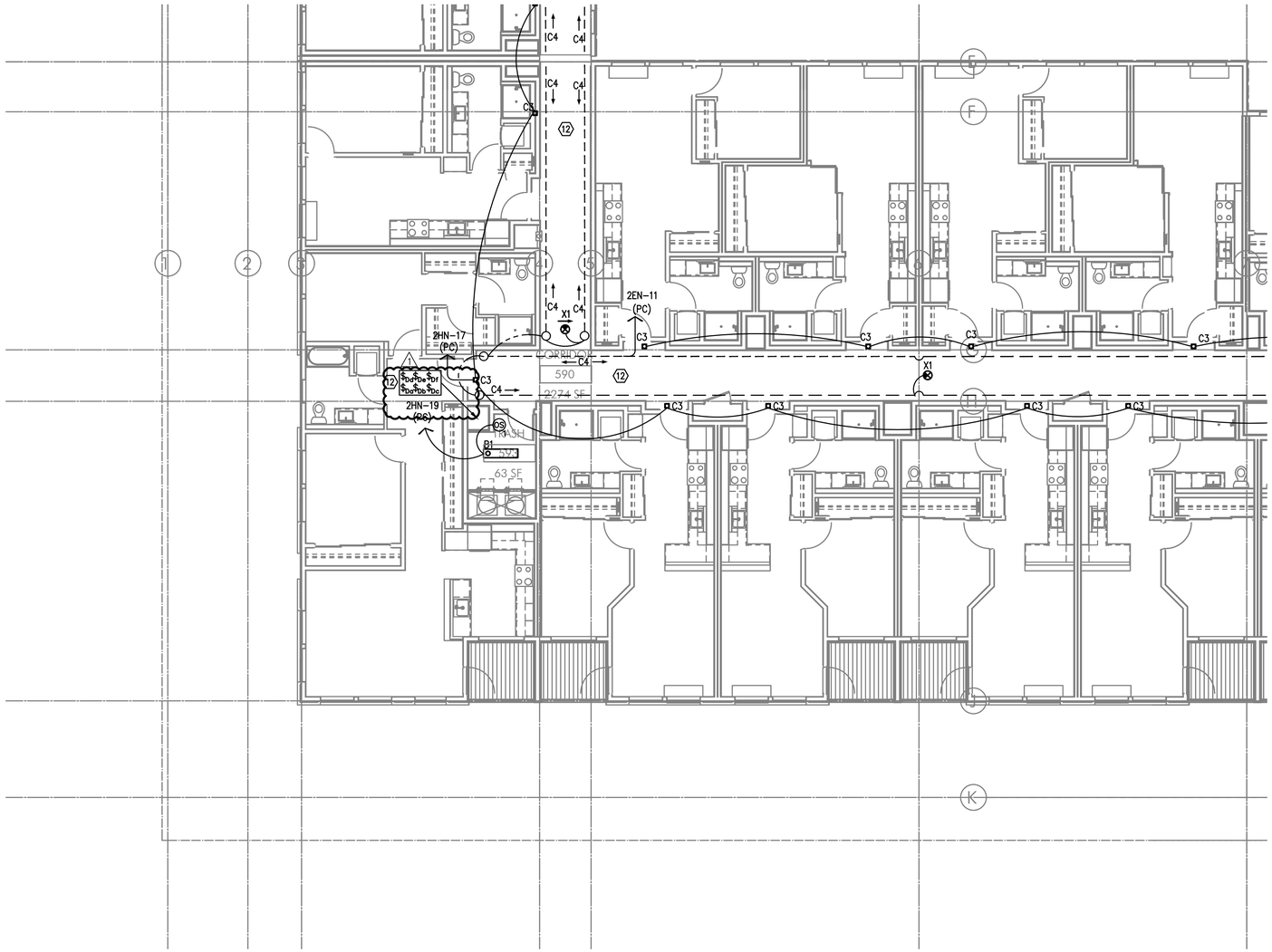
CONTACT: DENISE TAYLOR

SHEET:
E2.05
N
FIFTH FLOOR LIGHTING PLAN-NORTH



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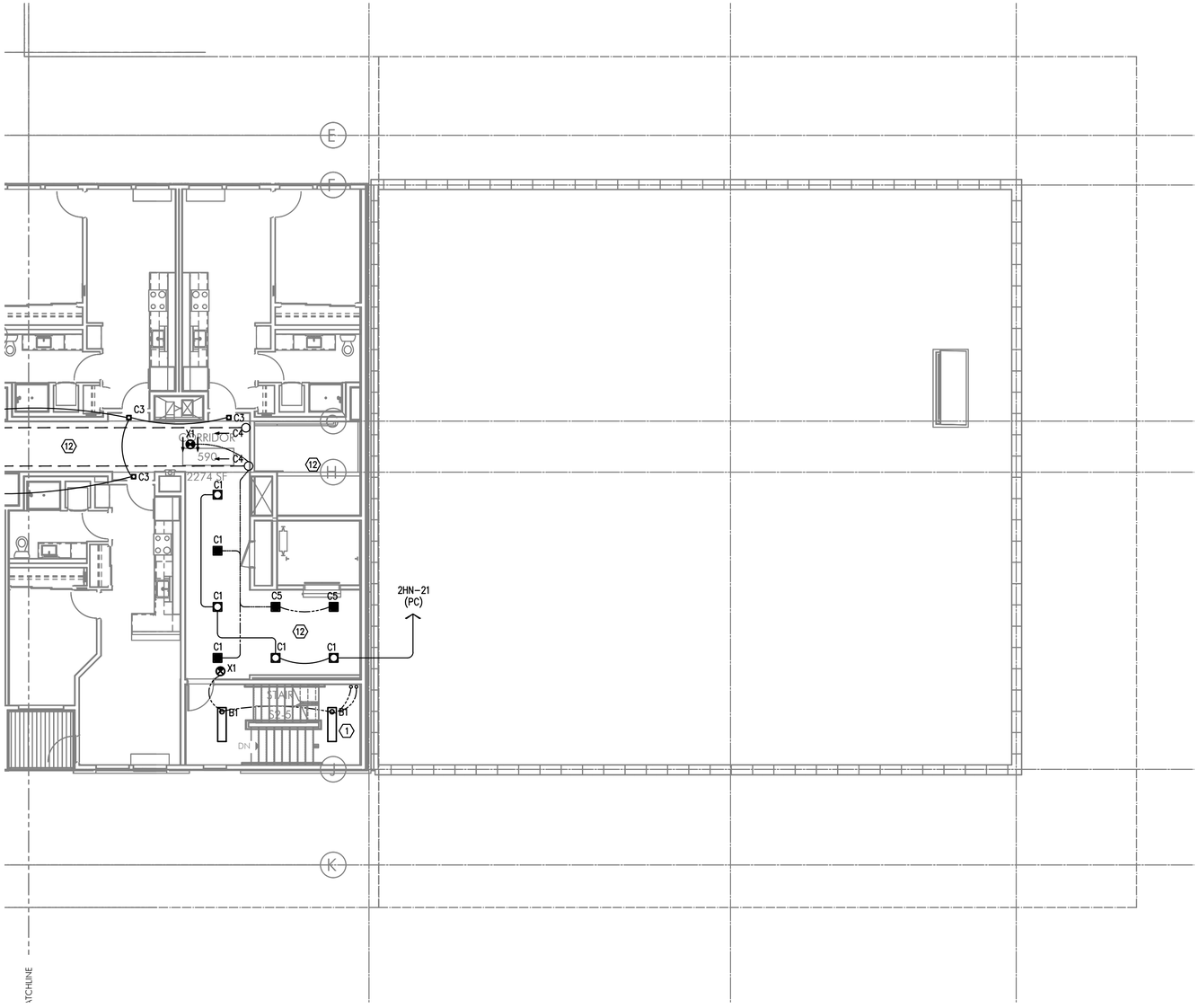

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5. POWER SUPPLY DEVICES FOR CORRIDOR COVE LIGHTING TO BE MOUNTED ABOVE CEILING. CONTRACTOR SHAL CONSULT MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN FOR A COMPLETE INSTALL. CO COVE LIGHTING TO BE CONSTANT 'ON' AND CIRCUITED VIA THE EMERGENCY BACKUP POWER SYSTEM.
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. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'HF2' CEILING FANS ARE PURCHASED BY OTHERS. PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS. COORD WITH INTERIORS FOR CONTROLS TYPE LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
9. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
10. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO SHEET E1.23 FOR MORE INFORMA REGARDING LIGHTING CONTROLS.
11. LIGHTING CONTROLS FOR THIS AREA LOCATED IN LEASE OFFICE.
12. LIGHTING CONTROLS FOR THIS AREA LOCATED IN DATA CLOSET.
13. ALL COMMUNITY ROOM LIGHTING CONTROLS SHALL BE GANGED TOGETHER AND PROVIDED WITH A LOCKING C
14. REFER TO SHEET E1.23, DETAIL #1 REGARDING LIGHTING CONTROL INFORMATION FOR THIS AREA.

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REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1993 ROBERT L. CONNELL

EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

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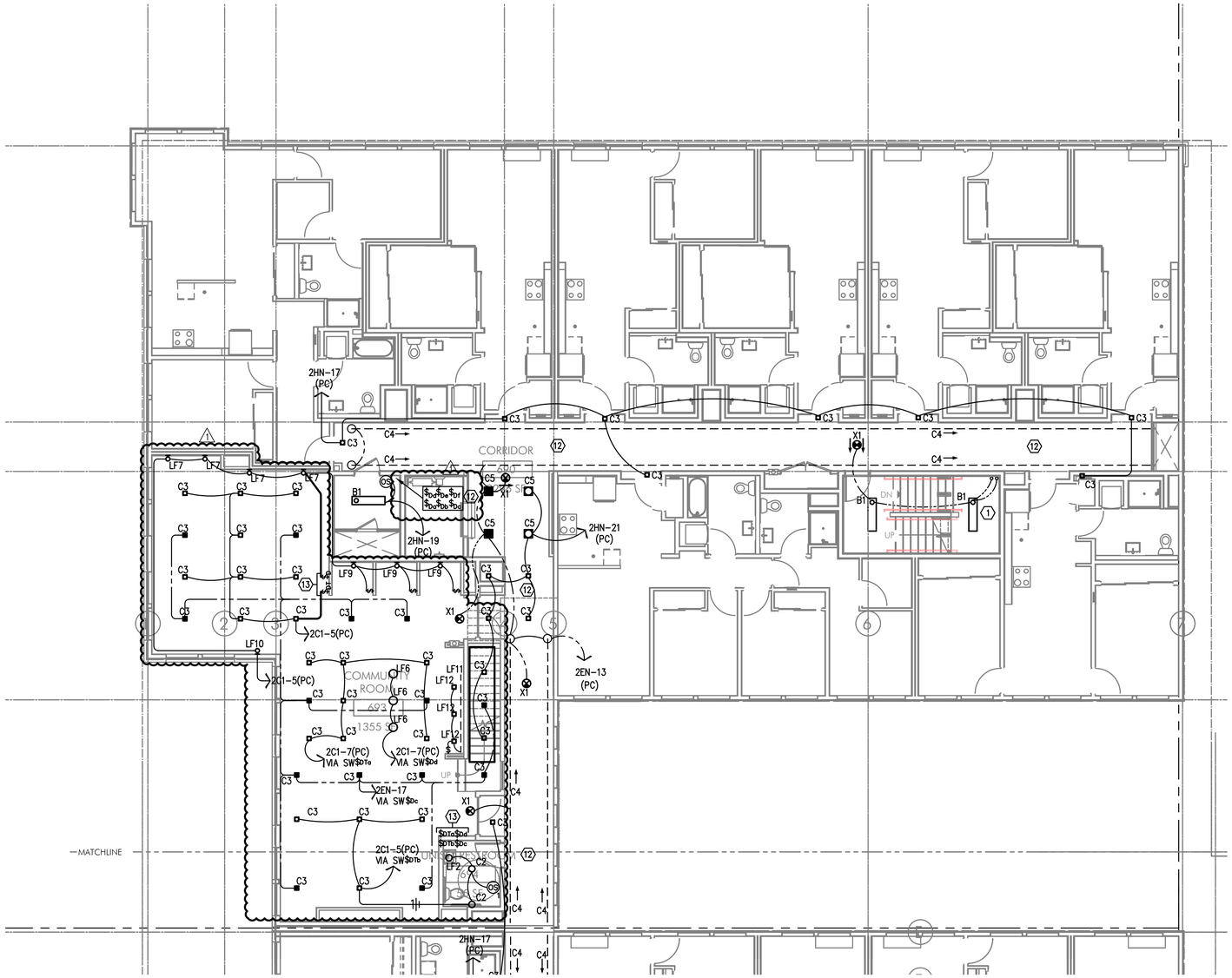
SHEET: E2.05 SE

FIFTH FLOOR LIGHTING PLAN-SE



N
E2.06

PARTIAL SIXTH FLOOR LIGHTING PLAN

SCALE: 1/8 = 1'-0"

GENERAL LIGHTING NOTES:

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

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

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

D. REFER TO SHEET E1.21 & E1.22 FOR LIGHT FIXTURE SCHEDULES AND DETAILS.

E. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OI 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 PACI DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

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

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT ANI OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, 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 S AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABO FINISHED CEILINGS.

L. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TC 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-OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
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SHEET:
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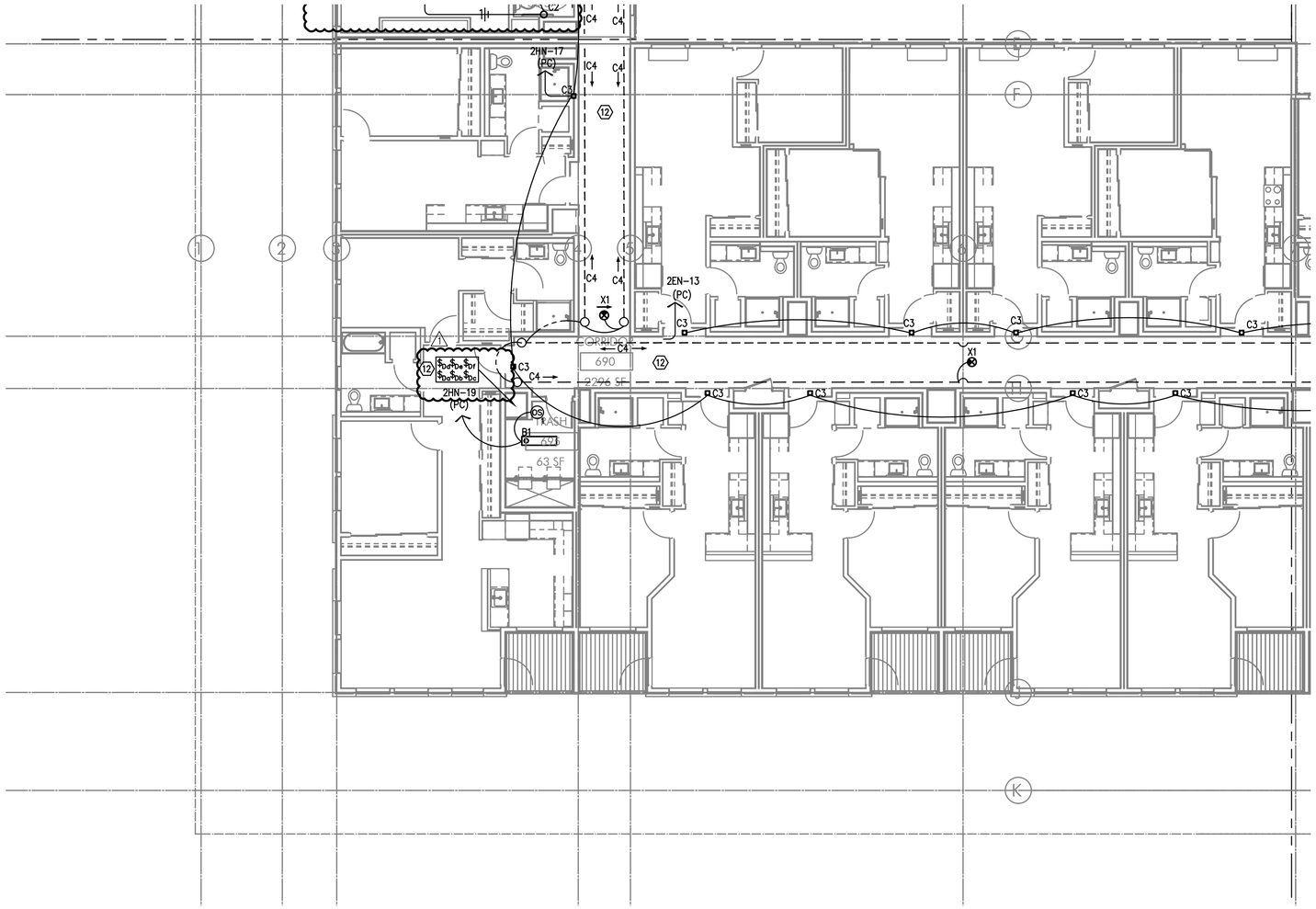
SIXTH FLOOR LIGHTING PLAN-NORTH



S E2.06 PARTIAL SIXTH FLOOR LIGHTING PLAN

SCALE: 1/8 = 1'-0"

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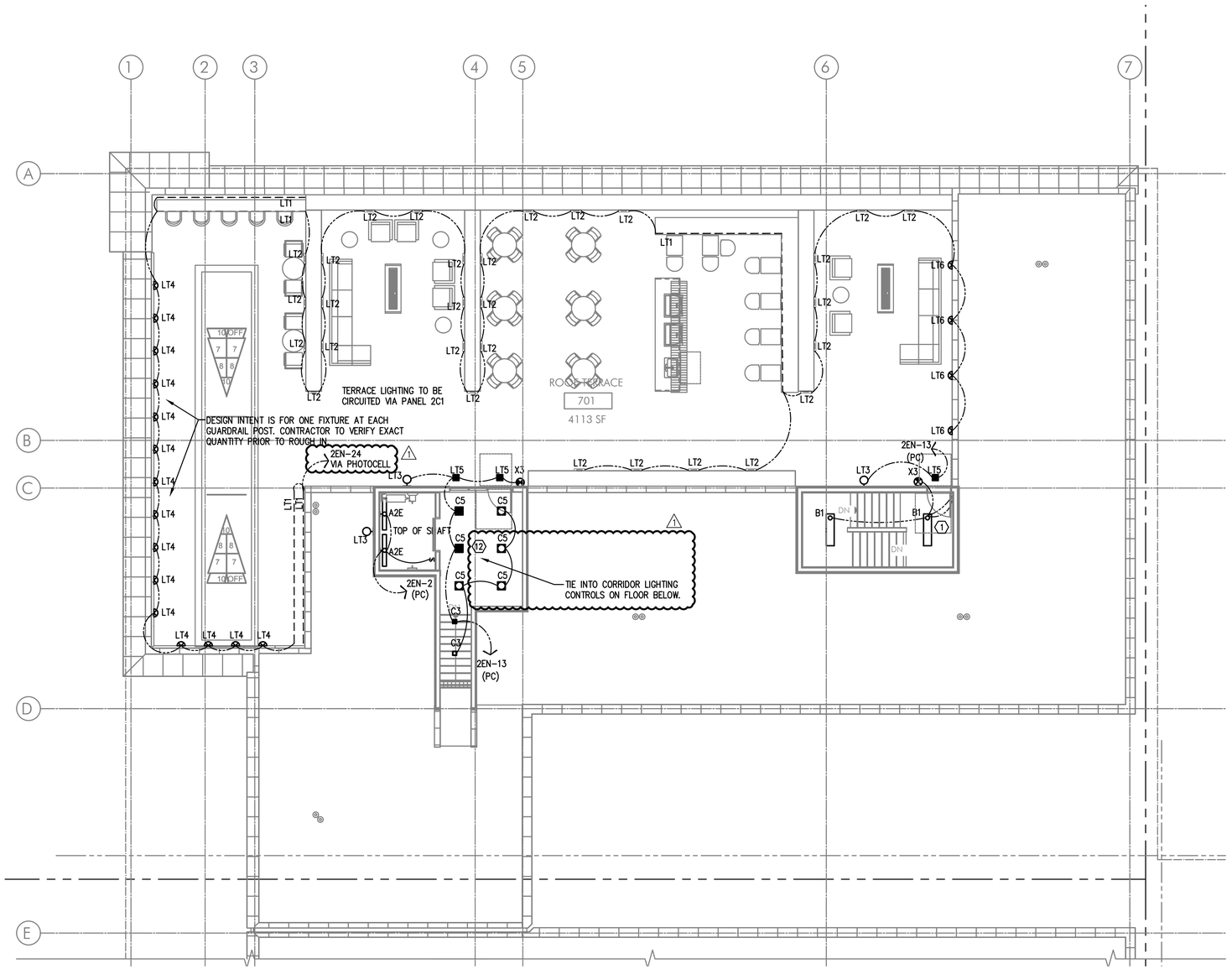
SHEET: E2.06 S
SIXTH FLOOR LIGHTING PLAN-SOUTH



N
E2.07
PARTIAL ROOF LEVEL LIGHTING PLAN
SCALE: 1/8 = 1'-0"

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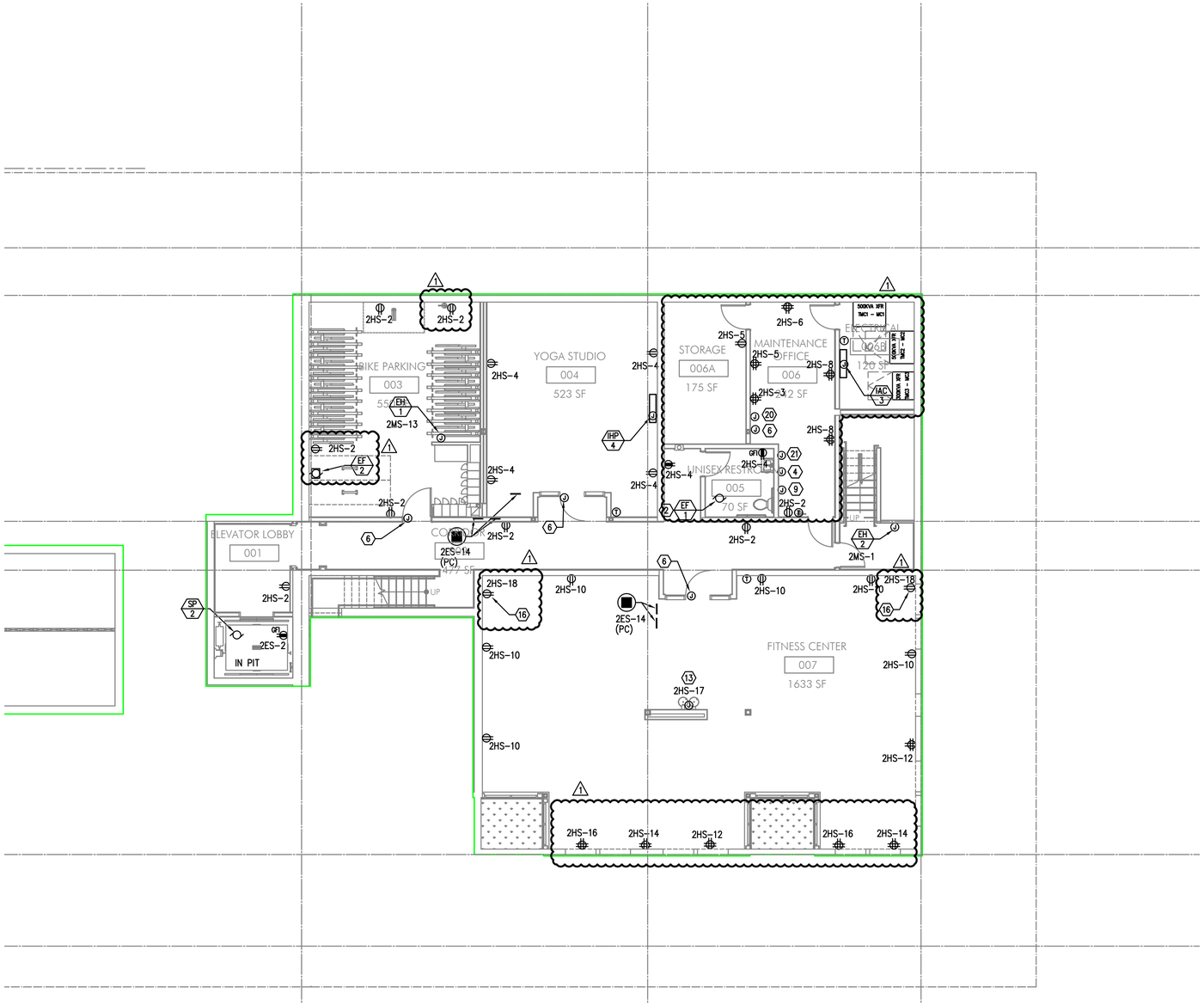
ROOF LEVEL LIGHTING PLAN-NORTH



SE / E3.00 PARTIAL BASEMENT LEVEL POWER PLAN

SCALE: 1/8 = 1'-0"

GENERAL POWER NOTES:

A. REFER TO SHEET E1.00 FOR GENERAL POWER NOTES.

B. REFER TO E4 SERIES SHEETS FOR TYPICAL UNIT POWER PLANS.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC3, IN CEILING ABOVE AND STUBBED INTO EACH LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.10.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. REFER TO PANEL 2ES-8.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR 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.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. SYSTEM HEAD-IN LOCATED IN BASEMENT MAINTENANCE ROOM. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR AUTOMATIC DOOR OPENERS. CIRCUIT AS INDICATED.
9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL 2HS, CKT 19 FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2HN CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
12. 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.
13. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR DRINKING FOUNTAIN FROM PANEL 2HS. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
14. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 2HS FOR CIRCUIT DESIGNATIONS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.
16. MOUNT 20A DUPLEX RECEPTACLE AT TOP OF WALL FOR ELECTRIC FAN. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'H1' WALL FANS ARE PURCHASED BY OTHERS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE AND LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
17. RECEPTACLE LOCATED UNDER EDGE OF COUNTER TOP.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT AS INDICATED, 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.
19. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS 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.
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22. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED.
23. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL. REFER TO 'T' SERIES SHEETS.
24. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS FIREPLACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL '2C1'. SEE DETAIL 3/E1.15 FOR EMERGENCY SHUFF-OFF DIAGRAM. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD").
25. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. REFER TO 'T' SERIES SHEETS.
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29. APARTMENT UNIT METER LOCATION. REFER TO THE ONE-LINE DIAGRAM ON SHEET E1.11.
30. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH IN AND FINAL CONNECTIONS FOR THE CAR PARK SYSTEMS. COORDINATE WITH BOTH ARCHITECT AND SYSTEM INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND LOCATIONS OF SYSTEM POWER & CONTROLS PRIOR TO ROUGH IN.
31. PROVIDE J-BOX IN ATTIC SPACE FOR FUTURE RADON VENTING. CIRCUIT AS INDICATED.
32. REFER TO E1.01 FOR ADDITIONAL INFORMATION REGARDING GENERATOR SIZE.
33. PROVIDE ONE 120V, 20A, 1P CIRCUIT FOR FUEL FILL CONTROLS AS INDICATED. COORDINATE LOCATION, ROUGH IN AND INSTALLATION WITH MECHANICAL INSTALLER.
34. SEE MECHANICAL SHEET M6.06 FOR TANK SIZING & FUELING PORT LOCATION

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REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1993 ROBERT L. CONNELL

EXPIRES 12-31-2021

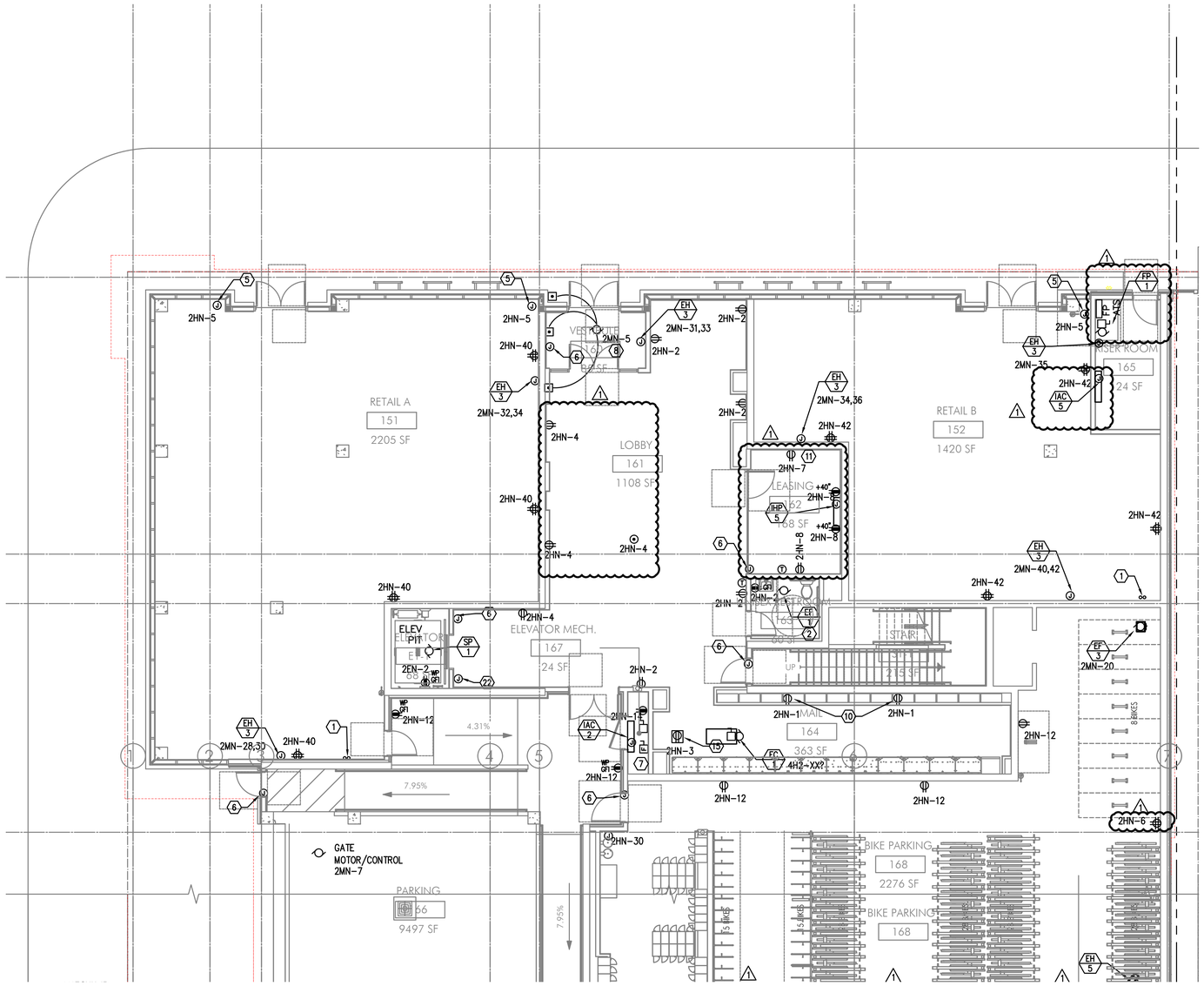
PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

2202 E BURNSIDE ST, PORTLAND, OR 97214

SHEET:
E3.00 SE
BASEMENT LEVEL POWER PLAN-SE



N
E3.01 PARTIAL FIRST FLOOR POWER PLAN
SCALE: 1/8 = 1'-0"

GENERAL POWER NOTES:

A. REFER TO SHEET E1.00 FOR GENERAL POWER NOTES.

B. REFER TO E4 SERIES SHEETS FOR TYPICAL UNIT POWER PLANS.

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1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC3, IN CEILING ABOVE AND STUBBED INTO EACH LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.10.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. REFER TO PANEL 2ES-8.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR 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.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. SYSTEM HEAD-IN LOCATED IN BASEMENT MAINTENANCE ROOM. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR AUTOMATIC DOOR OPENERS. CIRCUIT AS INDICATED.
9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL 2HS, CKT 19 FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2HN CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
12. 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.
13. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR DRINKING FOUNTAIN FROM PANEL 2HS. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
14. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 2HS FOR CIRCUIT DESIGNATIONS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.
16. MOUNT 20A DUPLEX RECEPTACLE AT TOP OF WALL FOR ELECTRIC FAN. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'H1' WALL FANS ARE PURCHASED BY OTHERS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE AND LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
17. RECEPTACLE LOCATED UNDER EDGE OF COUNTER TOP.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT AS INDICATED, FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.
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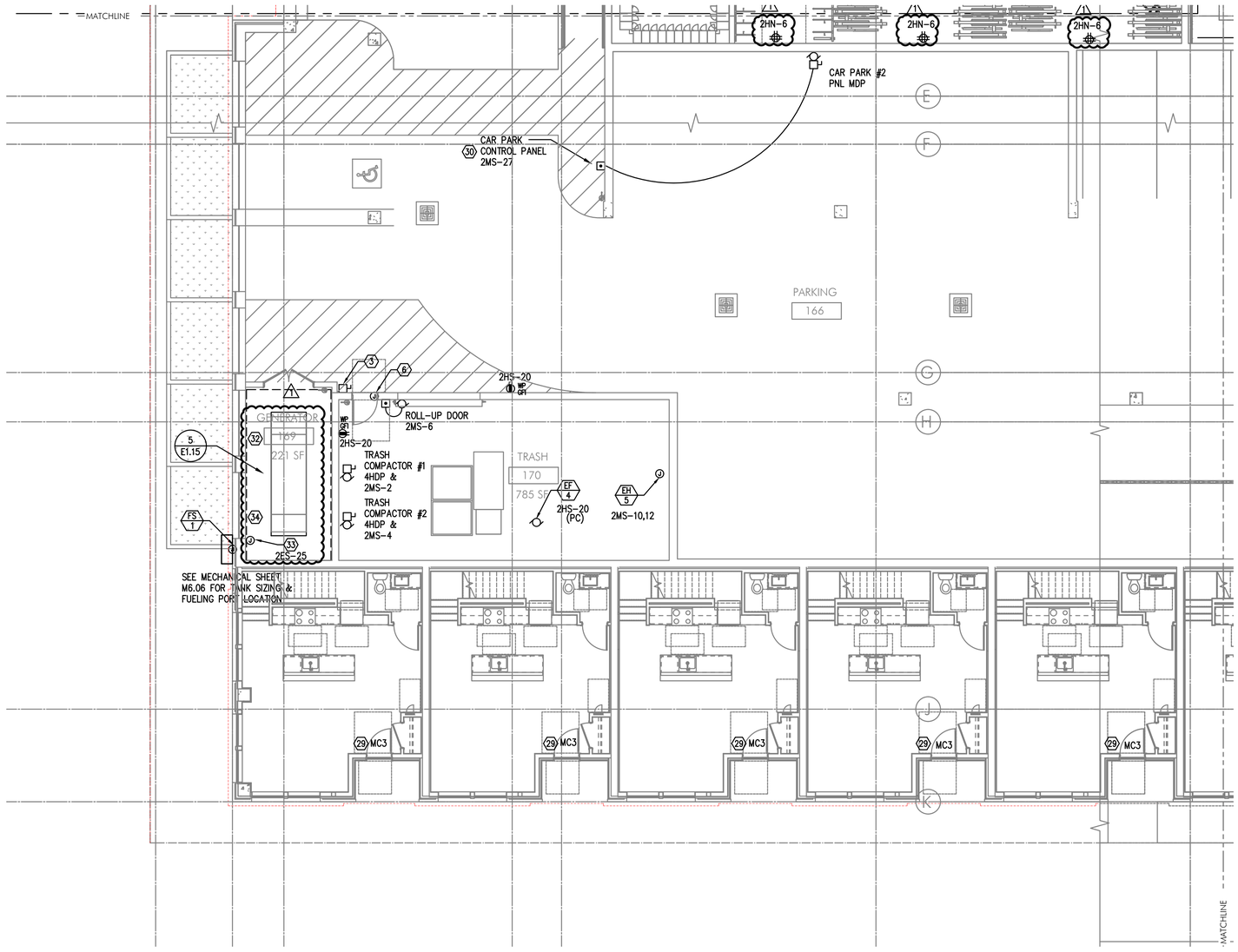
BURNSIDE MIXED USE

2202 E BURNSIDE ST, PORTLAND, OR 97214

SHEET:
E3.01
N
FIRST FLOOR POWER PLAN-NORTH



S / E3.01 PARTIAL FIRST FLOOR POWER PLAN

SCALE: 1/8 = 1'-0"

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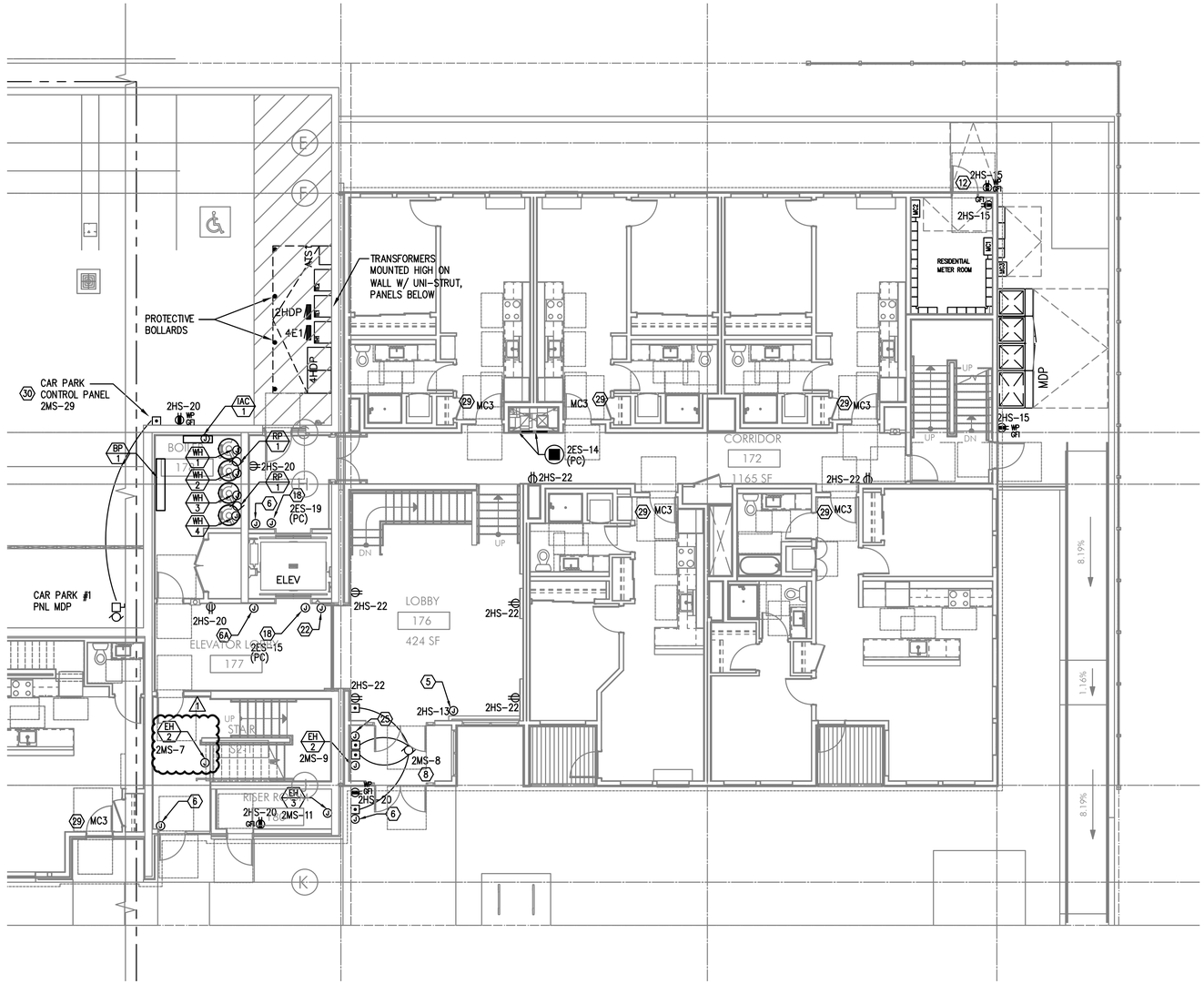
SHEET:
E3.01
S
FIRST FLOOR POWER PLAN-SOUTH



SE E3.01 PARTIAL FIRST FLOOR POWER PLAN
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28. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. SEE DETAIL 3/E1.14 FOR EMERGENCY SHUT-OFF DIAGRAM. CIRCUIT FROM PANEL 2EN.
29. APARTMENT UNIT METER LOCATION. REFER TO THE ONE-LINE DIAGRAM ON SHEET E1.11.
30. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH IN AND FINAL CONNECTIONS FOR THE CAR PARK SYSTEMS. COORDINATE WITH BOTH ARCHITECT AND SYSTEM INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND LOCATIONS OF SYSTEM POWER & CONTROLS PRIOR TO ROUGH IN.
31. PROVIDE J-BOX IN ATTIC SPACE FOR FUTURE RADON VENTING. CIRCUIT AS INDICATED.
32. ⚠1 REFER TO E1.01 FOR ADDITIONAL INFORMATION REGARDING GENERATOR SIZE.
33. PROVIDE ONE 120V, 20A, 1P CIRCUIT FOR FUEL FILL CONTROLS AS INDICATED. COORDINATE LOCATION, ROUGH IN AND INSTALLATION WITH MECHANICAL INSTALLER.
34. SEE MECHANICAL SHEET M6.06 FOR TANK SIZING & FUELING PORT LOCATION

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REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1993 ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
⚠1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

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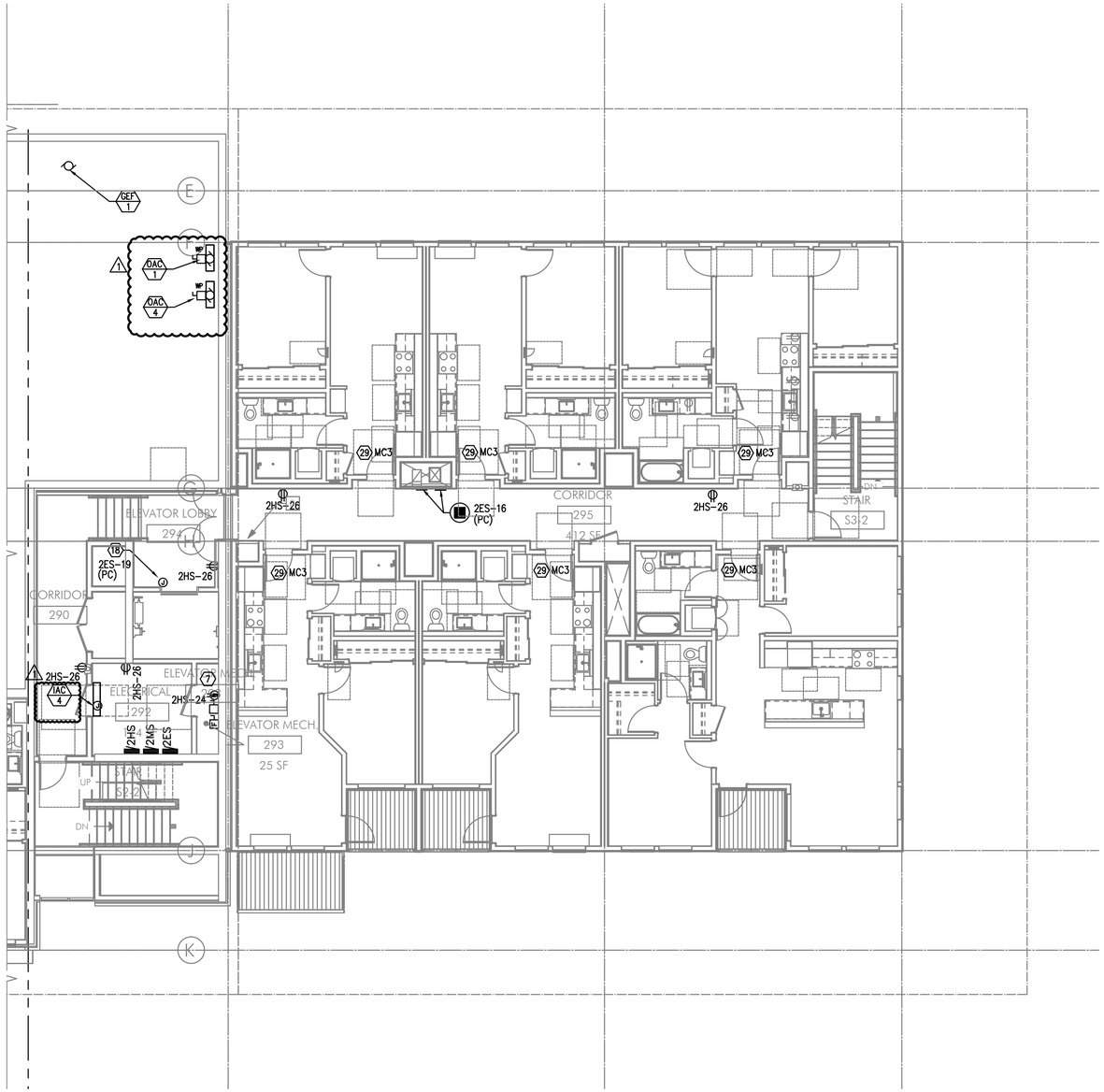
SHEET:
E3.01 SE
FIRST FLOOR POWER PLAN-SE



SE / E3.02 PARTIAL SECOND FLOOR POWER PLAN
SCALE: 1/8 = 1'-0"

GENERAL POWER NOTES:

A. REFER TO SHEET E1.00 FOR GENERAL POWER NOTES.

B. REFER TO E4 SERIES SHEETS FOR TYPICAL UNIT POWER PLANS.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC3, IN CEILING ABOVE AND STUBBED INTO EACH LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.10.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. REFER TO PANEL 2ES-8.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR 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.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. SYSTEM HEAD-IN LOCATED IN BASEMENT MAINTENANCE ROOM. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR AUTOMATIC DOOR OPENERS. CIRCUIT AS INDICATED.
9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL 2HS, CKT 19 FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2HN CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
12. 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.
13. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR DRINKING FOUNTAIN FROM PANEL 2HS. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
14. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 2HS FOR CIRCUIT DESIGNATIONS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.
16. ⚠1 MOUNT 20A DUPLEX RECEPTACLE AT TOP OF WALL FOR ELECTRIC FAN. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'H1' WALL FANS ARE PURCHASED BY OTHERS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE AND LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
17. RECEPTACLE LOCATED UNDER EDGE OF COUNTER TOP.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT AS INDICATED, 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.
19. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS 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.
20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS 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.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2ES FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED.
23. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL. REFER TO 'T' SERIES SHEETS.
24. ⚠1 PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS FIREPLACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL '2C1'. SEE DETAIL 3/E1.15 FOR EMERGENCY SHUFF-OFF DIAGRAM. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD").
25. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. REFER TO 'T' SERIES SHEETS.
26. ELECTRICAL CONTRACTOR TO COORDINATE WITH LANDSCAPE PROVIDER FOR EXACT LOCATION OF POWER CONNECTIONS AS REQUIRED FOR LANDSCAPE IRRIGATION AND SHALL BE CIRCUITED FROM PANEL 2C1.
27. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX FOR GAS GRILL AND FIRE PIT IGNITER CONTROLS. CIRCUIT FROM PANEL 2C1.
28. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. SEE DETAIL 3/E1.14 FOR EMERGENCY SHUT-OFF DIAGRAM. CIRCUIT FROM PANEL 2EN.
29. APARTMENT UNIT METER LOCATION. REFER TO THE ONE-LINE DIAGRAM ON SHEET E1.11.
30. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH IN AND FINAL CONNECTIONS FOR THE CAR PARK SYSTEMS. COORDINATE WITH BOTH ARCHITECT AND SYSTEM INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND LOCATIONS OF SYSTEM POWER & CONTROLS PRIOR TO ROUGH IN.
31. PROVIDE J-BOX IN ATTIC SPACE FOR FUTURE RADON VENTING. CIRCUIT AS INDICATED.
32. ⚠1 REFER TO E1.01 FOR ADDITIONAL INFORMATION REGARDING GENERATOR SIZE.
33. PROVIDE ONE 120V, 20A, 1P CIRCUIT FOR FUEL FILL CONTROLS AS INDICATED. COORDINATE LOCATION, ROUGH IN AND INSTALLATION WITH MECHANICAL INSTALLER.
34. SEE MECHANICAL SHEET M6.06 FOR TANK SIZING & FUELING PORT LOCATION

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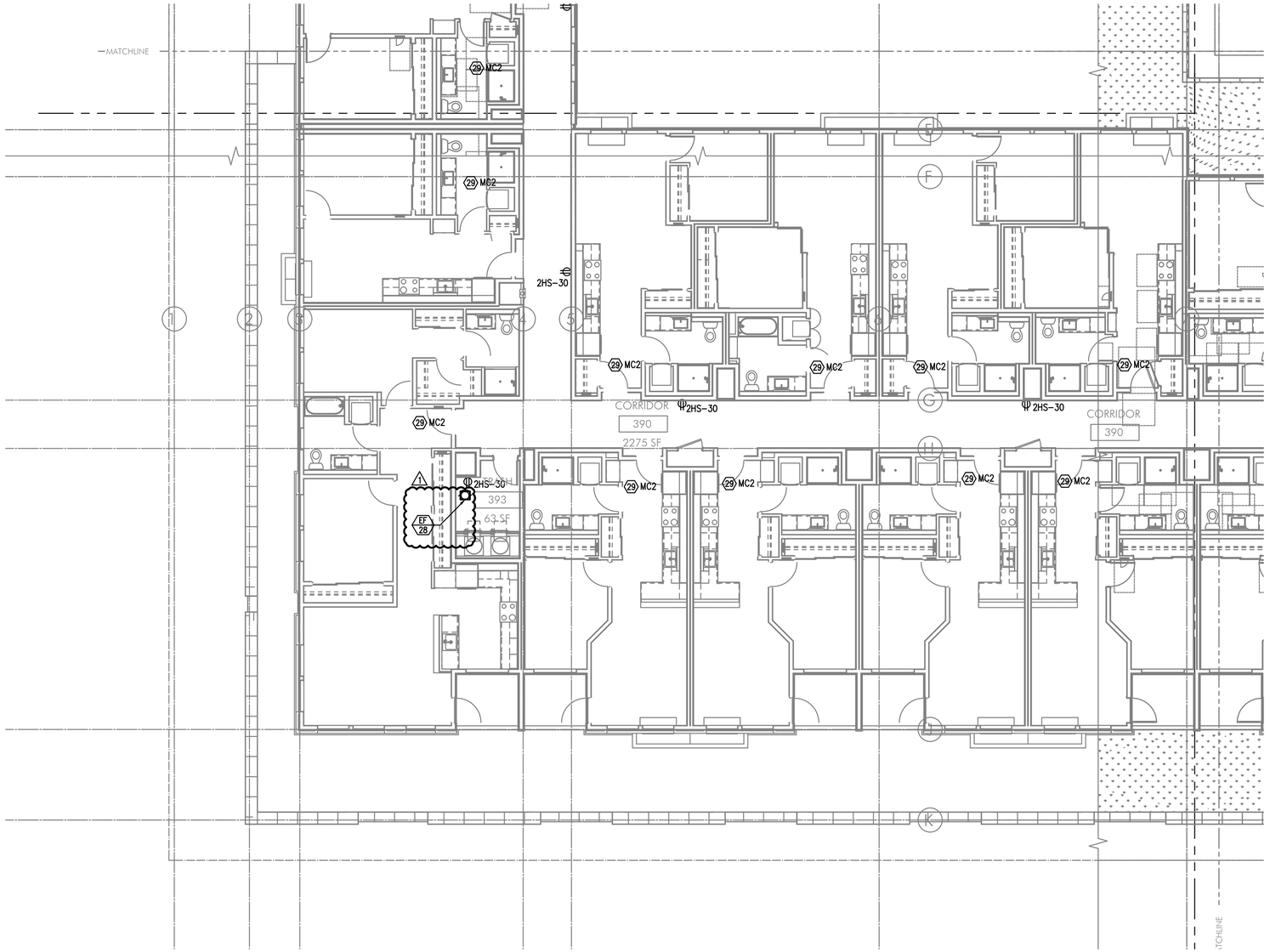
SHEET:
E3.02
SE
SECOND FLOOR POWER PLAN-SE



S E3.03 PARTIAL THIRD FLOOR POWER PLAN
SCALE: 1/8 = 1'-0"

GENERAL POWER NOTES:

A. REFER TO SHEET E1.00 FOR GENERAL POWER NOTES.

B. REFER TO E4 SERIES SHEETS FOR TYPICAL UNIT POWER PLANS.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC3, IN CEILING ABOVE AND STUBBED INTO EACH LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.10.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. REFER TO PANEL 2ES-8.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR 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.
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7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
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10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.
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12. 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.
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17. RECEPTACLE LOCATED UNDER EDGE OF COUNTER TOP.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT AS INDICATED, FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.
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34. SEE MECHANICAL SHEET M6.06 FOR TANK SIZING & FUELING PORT LOCATION

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BURNSIDE MIXED USE

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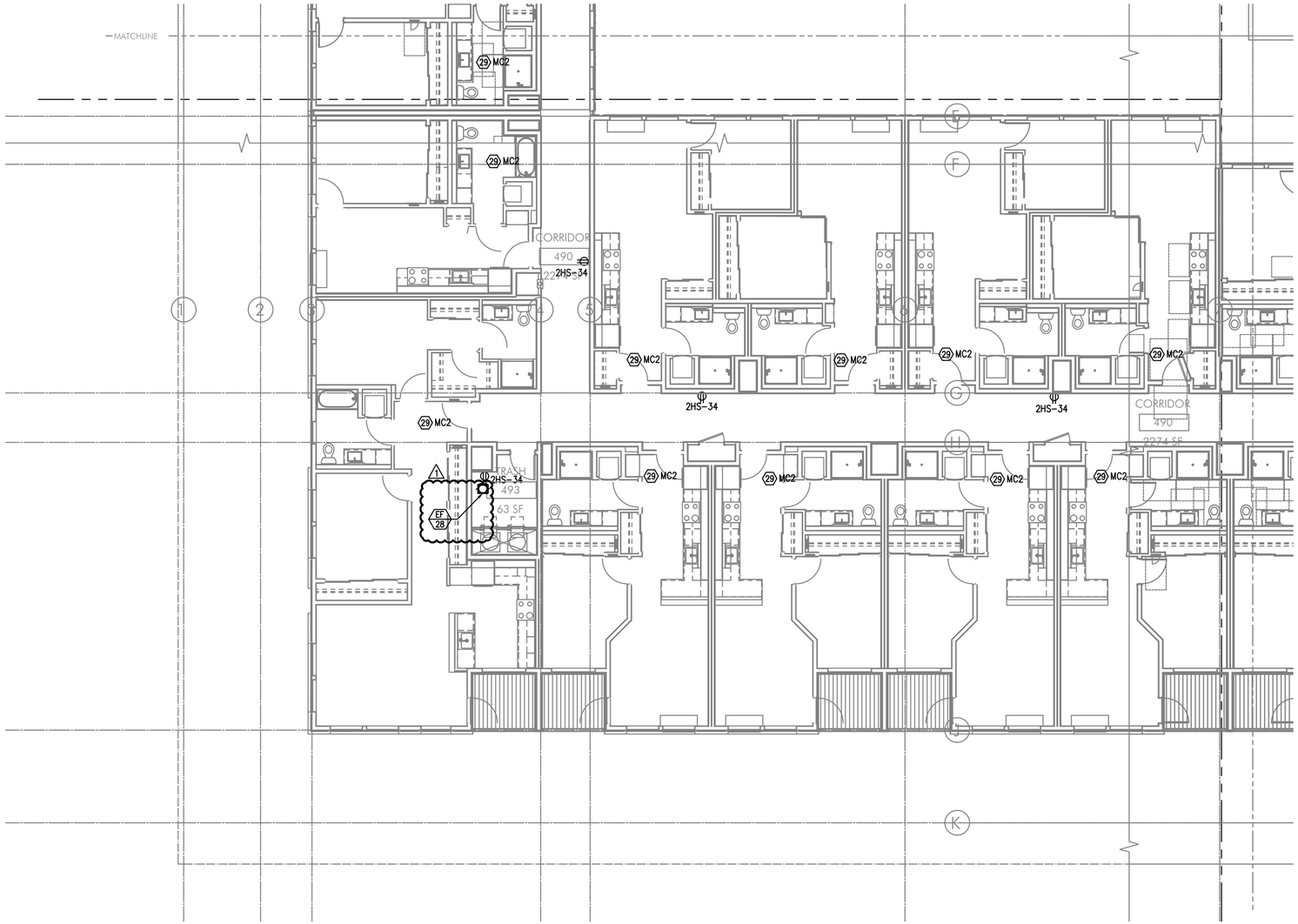
SHEET:
E3.03
S
THIRD FLOOR POWER PLAN-SOUTH



S
E3.04
PARTIAL FOURTH FLOOR POWER PLAN
SCALE: 1/8 = 1'-0"

GENERAL POWER NOTES:

A. REFER TO SHEET E1.00 FOR GENERAL POWER NOTES.

B. REFER TO E4 SERIES SHEETS FOR TYPICAL UNIT POWER PLANS.

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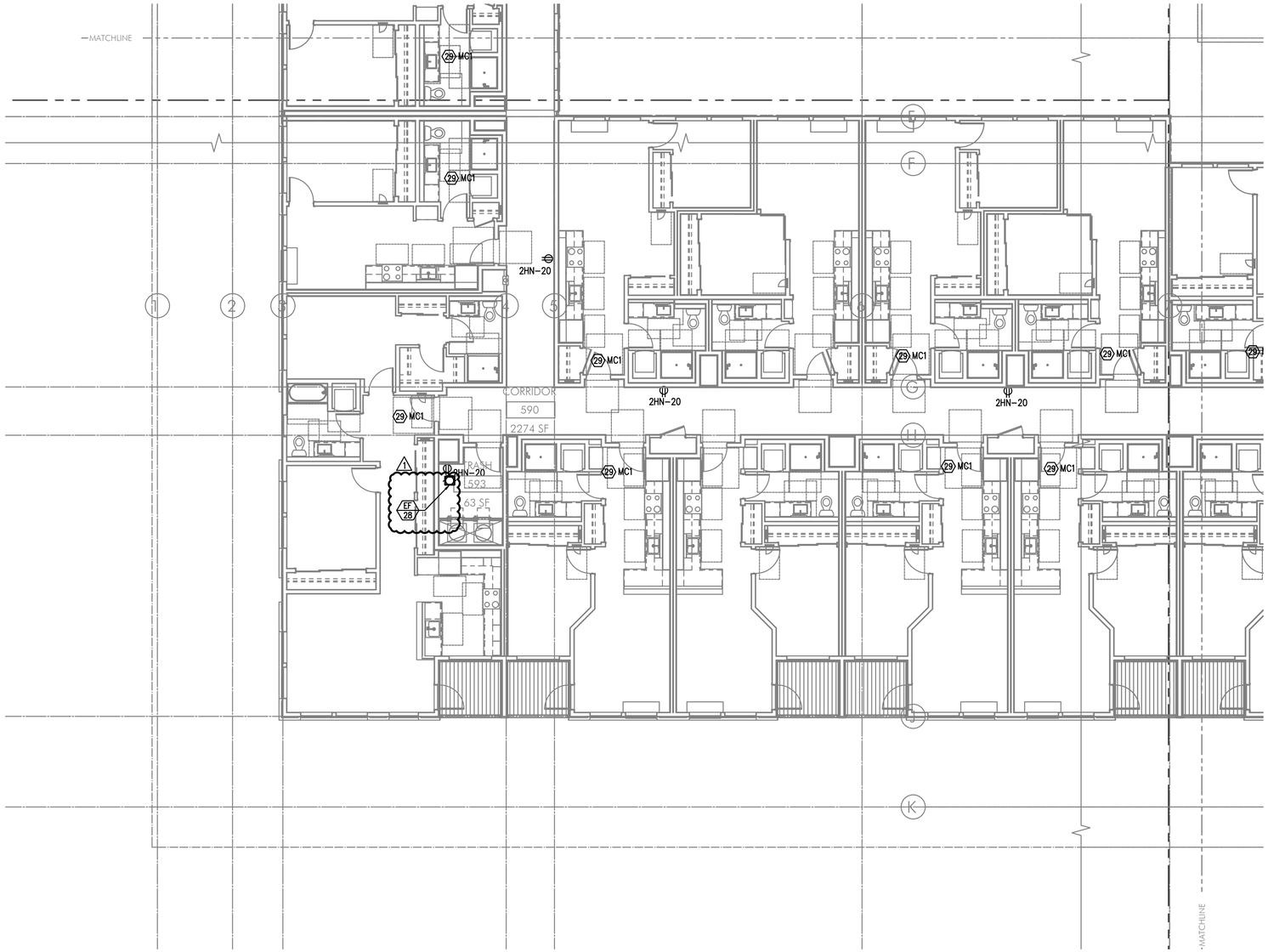
SHEET:
E3.04
S
FOURTH FLOOR POWER PLAN-SOUTH



S E3.05 PARTIAL FIFTH FLOOR POWER PLAN
SCALE: 1/8 = 1'-0"

GENERAL POWER NOTES:

A. REFER TO SHEET E1.00 FOR GENERAL POWER NOTES.

B. REFER TO E4 SERIES SHEETS FOR TYPICAL UNIT POWER PLANS.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC3, IN CEILING ABOVE AND STUBBED INTO EACH LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.10.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. REFER TO PANEL 2ES-8.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR 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.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. SYSTEM HEAD-IN LOCATED IN BASEMENT MAINTENANCE ROOM. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR AUTOMATIC DOOR OPENERS. CIRCUIT AS INDICATED.
9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL 2HS, CKT 19 FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2HN CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
12. 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.
13. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR DRINKING FOUNTAIN FROM PANEL 2HS. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
14. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 2HS FOR CIRCUIT DESIGNATIONS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.
16. ⚠1 MOUNT 20A DUPLEX RECEPTACLE AT TOP OF WALL FOR ELECTRIC FAN. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'H1' WALL FANS ARE PURCHASED BY OTHERS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE AND LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
17. RECEPTACLE LOCATED UNDER EDGE OF COUNTER TOP.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT AS INDICATED, 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.
19. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS 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.
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22. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED.
23. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL. REFER TO 'T' SERIES SHEETS.
24. ⚠1 PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS FIREPLACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL '2C1'. SEE DETAIL 3/E1.15 FOR EMERGENCY SHUFF-OFF DIAGRAM. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD").
25. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. REFER TO 'T' SERIES SHEETS.
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29. APARTMENT UNIT METER LOCATION. REFER TO THE ONE-LINE DIAGRAM ON SHEET E1.11.
30. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH IN AND FINAL CONNECTIONS FOR THE CAR PARK SYSTEMS. COORDINATE WITH BOTH ARCHITECT AND SYSTEM INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND LOCATIONS OF SYSTEM POWER & CONTROLS PRIOR TO ROUGH IN.
31. PROVIDE J-BOX IN ATTIC SPACE FOR FUTURE RADON VENTING. CIRCUIT AS INDICATED.
32. ⚠1 REFER TO E1.01 FOR ADDITIONAL INFORMATION REGARDING GENERATOR SIZE.
33. PROVIDE ONE 120V, 20A, 1P CIRCUIT FOR FUEL FILL CONTROLS AS INDICATED. COORDINATE LOCATION, ROUGH IN AND INSTALLATION WITH MECHANICAL INSTALLER.
34. SEE MECHANICAL SHEET M6.06 FOR TANK SIZING & FUELING PORT LOCATION

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REGISTERED PROFESSIONAL ENGINEER
16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
⚠1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE
2202 E BURNSIDE ST, PORTLAND, OR 97214

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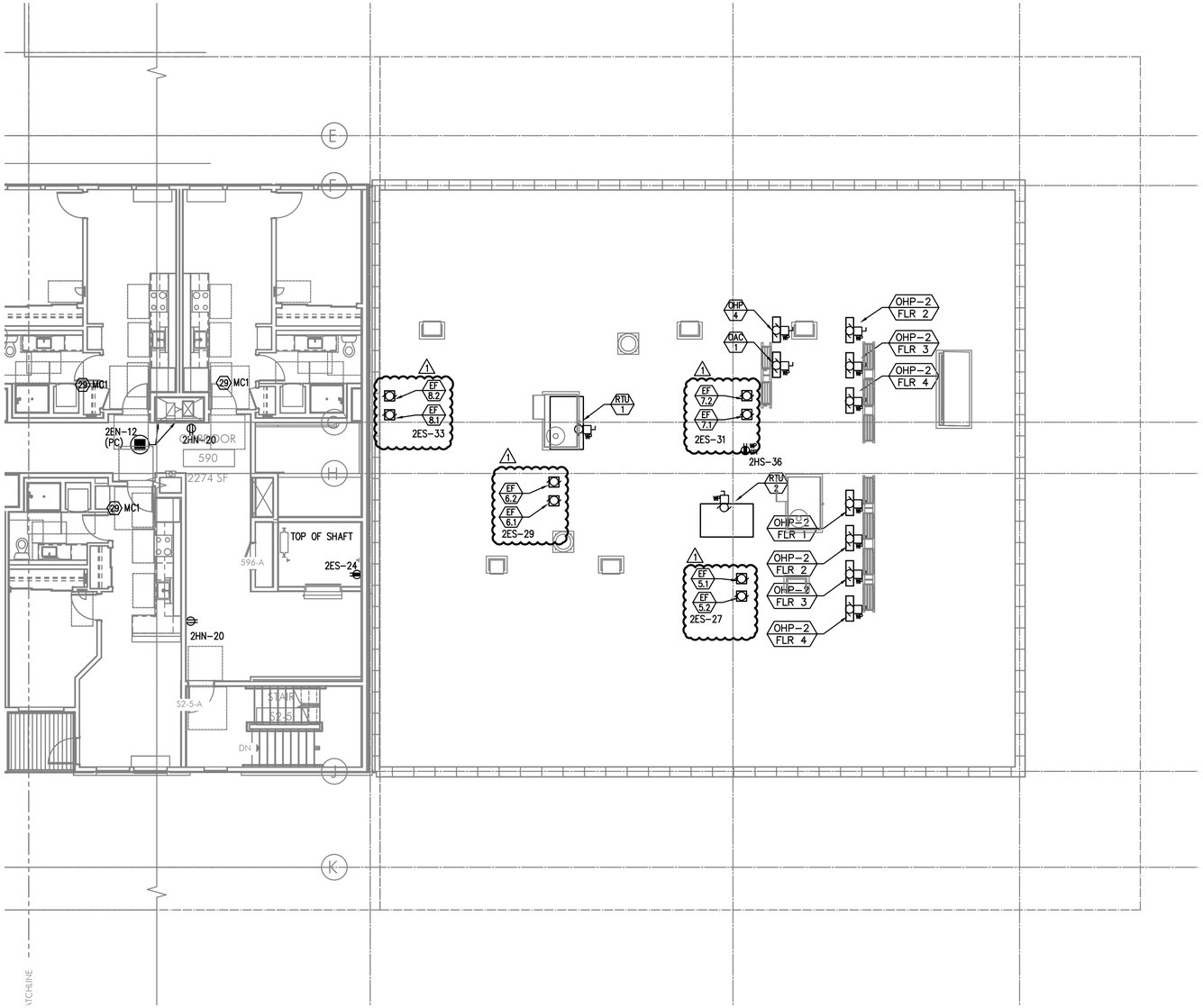

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MOUNT 20A DUPLEX RECEPTACLE AT TOP OF WALL FOR ELECTRIC FAN

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REGISTERED PROFESSIONAL ENGINEER
16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

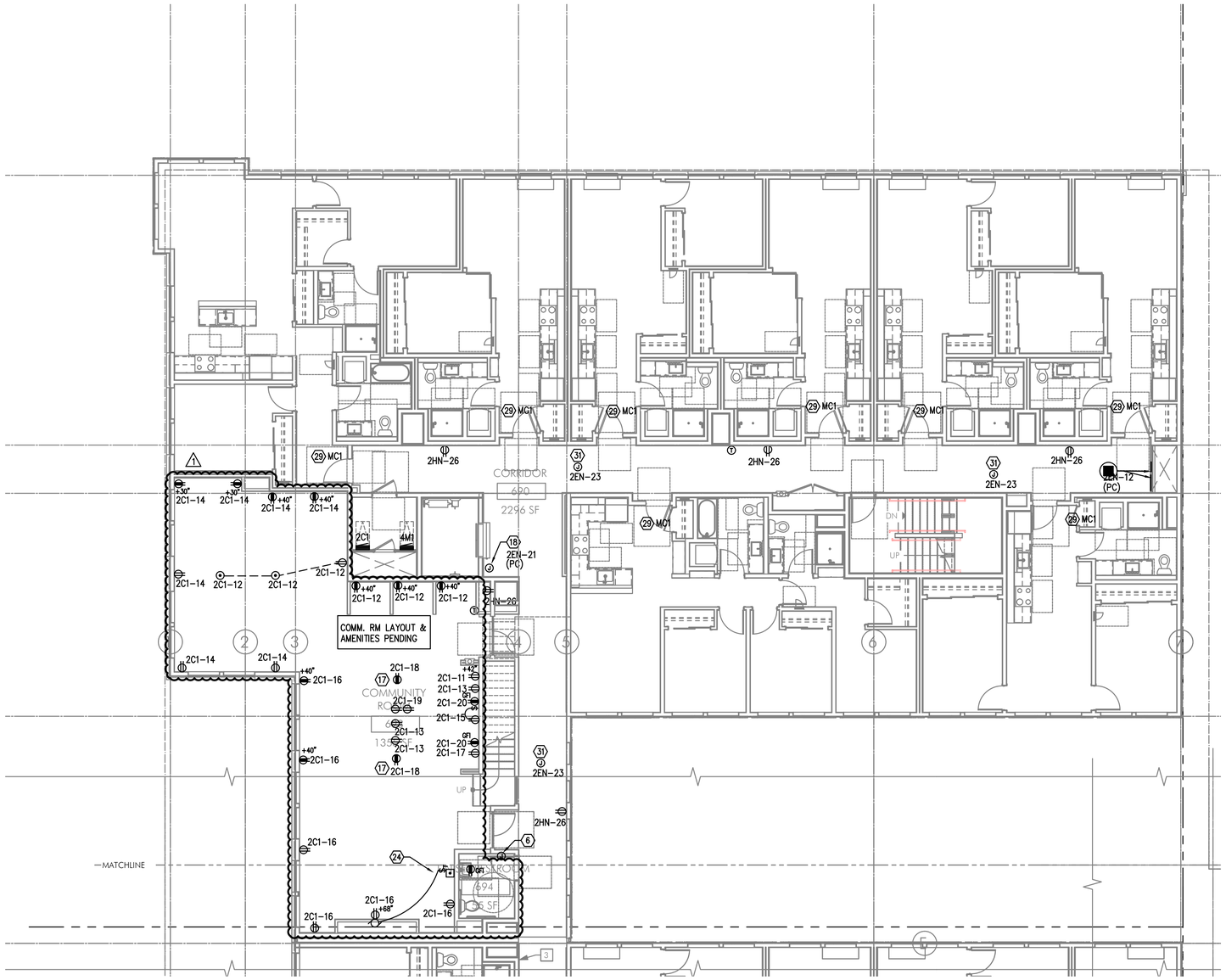
PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

2202 E BURNSIDE ST, PORTLAND, OR 97214

SHEET:
E3.05 SE
FIFTH FLOOR POWER PLAN-SE



N
E3.06
PARTIAL SIXTH FLOOR POWER PLAN
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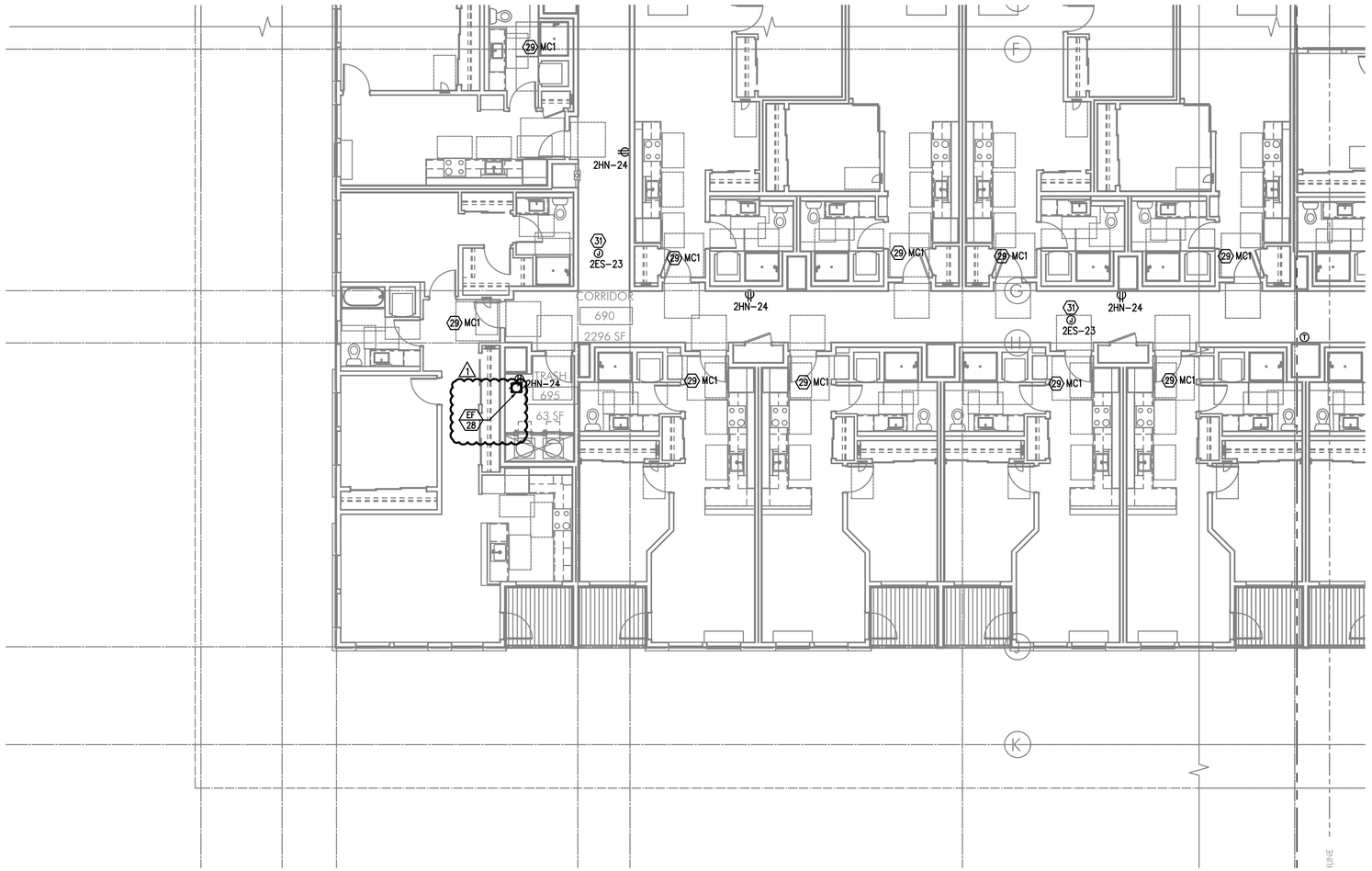

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10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL 2HN CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
12. 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.
13. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR DRINKING FOUNTAIN FROM PANEL 2HS. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
14. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 2HS FOR CIRCUIT DESIGNATIONS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.
16. ⚠1 MOUNT 20A DUPLEX RECEPTACLE AT TOP OF WALL FOR ELECTRIC FAN. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'H1' WALL FANS ARE PURCHASED BY OTHERS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE AND LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
17. RECEPTACLE LOCATED UNDER EDGE OF COUNTER TOP.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT AS INDICATED, 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.
19. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS 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.
20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS 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.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2ES FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED.
23. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL. REFER TO 'T' SERIES SHEETS.
24. ⚠1 PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS FIREPLACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL '2C1'. SEE DETAIL 3/E1.15 FOR EMERGENCY SHUFF-OFF DIAGRAM. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD").
25. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. REFER TO 'T' SERIES SHEETS.
26. ELECTRICAL CONTRACTOR TO COORDINATE WITH LANDSCAPE PROVIDER FOR EXACT LOCATION OF POWER CONNECTIONS AS REQUIRED FOR LANDSCAPE IRRIGATION AND SHALL BE CIRCUITED FROM PANEL 2C1.
27. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX FOR GAS GRILL AND FIRE PIT IGNITER CONTROLS. CIRCUIT FROM PANEL 2C1.
28. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. SEE DETAIL 3/E1.14 FOR EMERGENCY SHUT-OFF DIAGRAM. CIRCUIT FROM PANEL 2EN.
29. APARTMENT UNIT METER LOCATION. REFER TO THE ONE-LINE DIAGRAM ON SHEET E1.11.
30. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH IN AND FINAL CONNECTIONS FOR THE CAR PARK SYSTEMS. COORDINATE WITH BOTH ARCHITECT AND SYSTEM INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND LOCATIONS OF SYSTEM POWER & CONTROLS PRIOR TO ROUGH IN.
31. PROVIDE J-BOX IN ATTIC SPACE FOR FUTURE RADON VENTING. CIRCUIT AS INDICATED.
32. ⚠1 REFER TO E1.01 FOR ADDITIONAL INFORMATION REGARDING GENERATOR SIZE.
33. PROVIDE ONE 120V, 20A, 1P CIRCUIT FOR FUEL FILL CONTROLS AS INDICATED. COORDINATE LOCATION, ROUGH IN AND INSTALLATION WITH MECHANICAL INSTALLER.
34. SEE MECHANICAL SHEET M6.06 FOR TANK SIZING & FUELING PORT LOCATION

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JULY 20, 1993
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EXPIRES 12-31-2021

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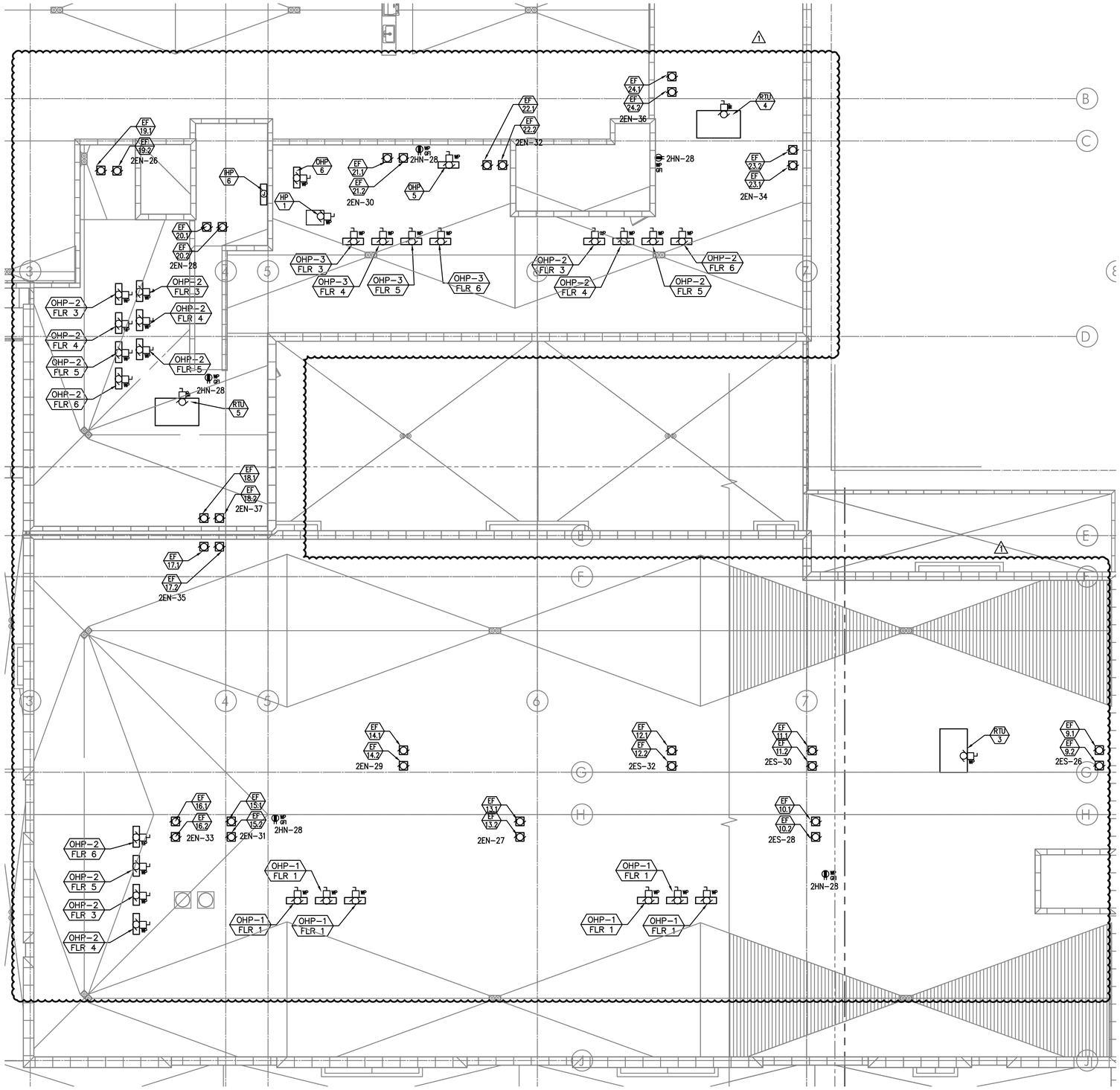
SHEET:
E3.06
S
SIXTH FLOOR POWER PLAN-SOUTH



1 E3.08 ROOF LEVEL POWER PLAN
SCALE: 1/8 = 1'-0"

GENERAL POWER NOTES:

A. REFER TO SHEET E1.00 FOR GENERAL POWER NOTES.

B. REFER TO E4 SERIES SHEETS FOR TYPICAL UNIT POWER PLANS.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC3, IN CEILING ABOVE AND STUBBED INTO EACH LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.10.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. REFER TO PANEL 2ES-8.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR 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.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 2HS FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. SYSTEM HEAD-IN LOCATED IN BASEMENT MAINTENANCE ROOM. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR AUTOMATIC DOOR OPENERS. CIRCUIT AS INDICATED.
9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL 2HS, CKT 19 FOR DAS SYSTEM.
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16. MOUNT 20A DUPLEX RECEPTACLE AT TOP OF WALL FOR ELECTRIC FAN. ELECTRICAL CONTRACTOR SHALL VERIFY WITH ARCHITECT, WHETHER OR NOT THE 'H1' WALL FANS ARE PURCHASED BY OTHERS. COORDINATE WITH INTERIORS FOR CONTROLS TYPE AND LOCATION. REFER MECHANICAL EQUIPMENT SCHEDULE ON SHEET E1.21
17. RECEPTACLE LOCATED UNDER EDGE OF COUNTER TOP.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT AS INDICATED, FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.
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29. APARTMENT UNIT METER LOCATION. REFER TO THE ONE-LINE DIAGRAM ON SHEET E1.11.
30. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH IN AND FINAL CONNECTIONS FOR THE CAR PARK SYSTEMS. COORDINATE WITH BOTH ARCHITECT AND SYSTEM INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND LOCATIONS OF SYSTEM POWER & CONTROLS PRIOR TO ROUGH IN.
31. PROVIDE J-BOX IN ATTIC SPACE FOR FUTURE RADON VENTING. CIRCUIT AS INDICATED.
32. REFER TO E1.01 FOR ADDITIONAL INFORMATION REGARDING GENERATOR SIZE.
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34. SEE MECHANICAL SHEET M6.06 FOR TANK SIZING & FUELING PORT LOCATION

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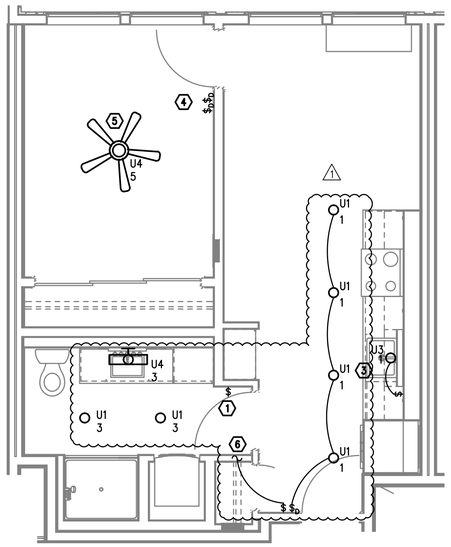
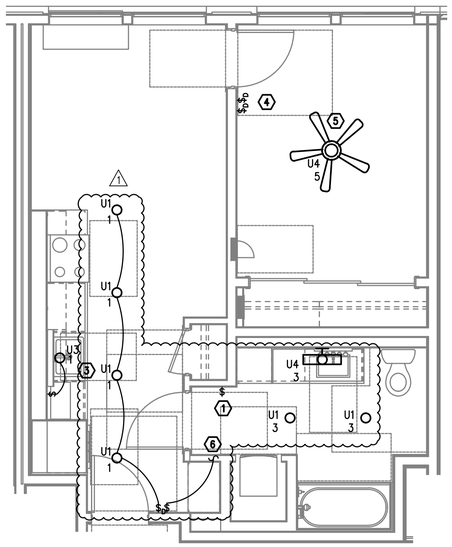
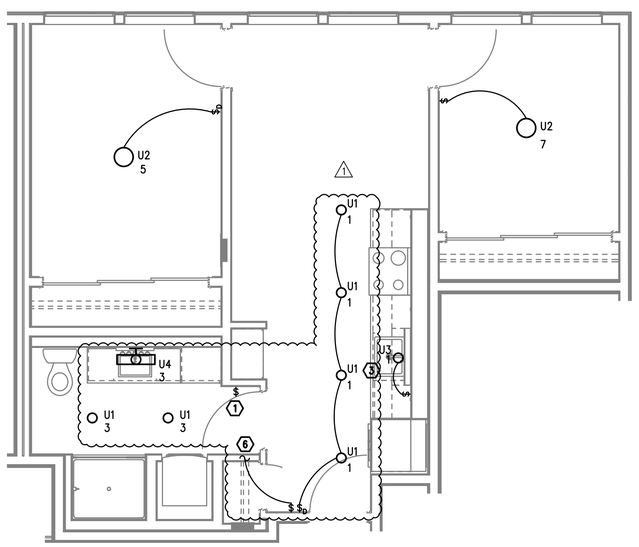
SHEET:
E3.08
ROOF LEVEL POWER PLAN-SOUTH



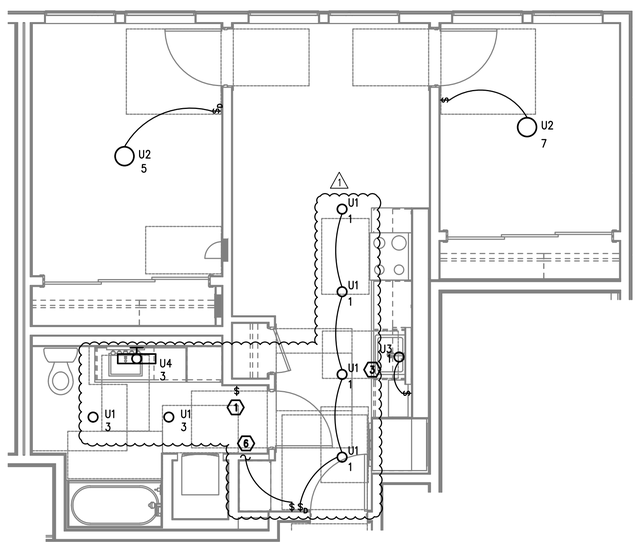
1 E4.01 UNIT TYPE 'A' – LIGHTING PLAN
1/4" = 1'-0"



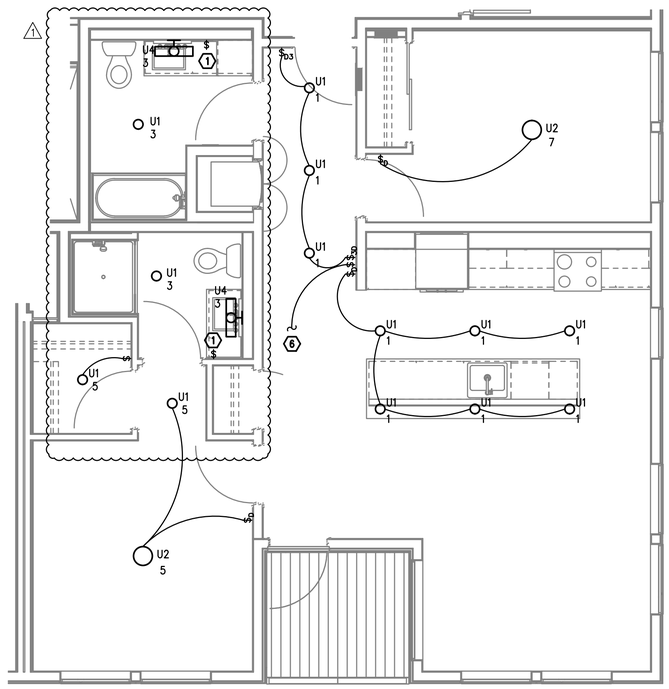
ACCESSIBLE
2 E4.01 UNIT TYPE 'A' – LIGHTING PLAN
1/4" = 1'-0"



3 E4.01 UNIT TYPE 'B' – LIGHTING PLAN
1/4" = 1'-0"



ACCESSIBLE
4 E4.01 UNIT TYPE 'B' – LIGHTING PLAN
1/4" = 1'-0"



5 E4.01 UNIT TYPE 'C' – LIGHTING PLAN
1/4" = 1'-0"

GENERAL NOTES:

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

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

C. ALL LIGHT SWITCHES SHALL BE DIMMER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES:

1. REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
2. LOCATE SWITCH FOR SINK LIGHT IN CABINET FALSE FRONT.
3. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATION AND MOUNTING OF UNDER CABINET LIGHTS.
4. SWITCHING FOR CEILING FAN SHALL BE MANUFACTURER'S RECOMMENDATION FOR LIGHT AND FAN CONTROL.
5. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
6. TO SWITCHED RECEPTACLE IN LIVING ROOM. REFER TO E4.1 SERIES SHEETS FOR LOCATION.

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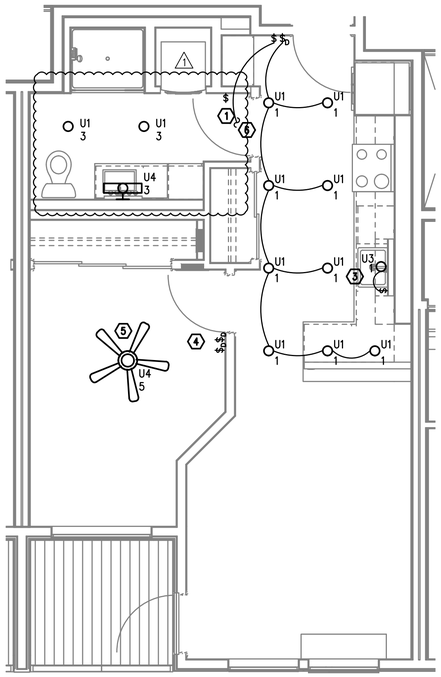
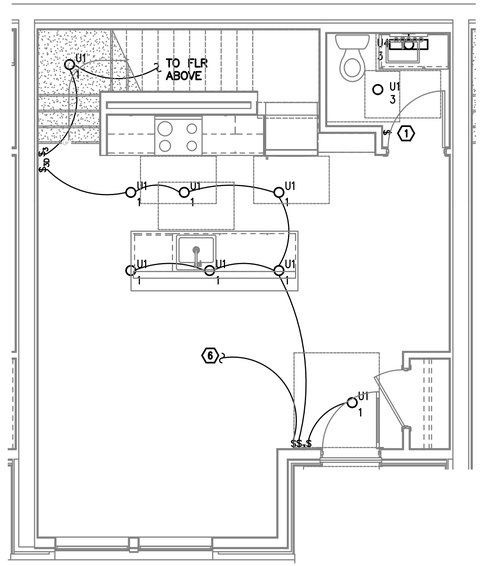
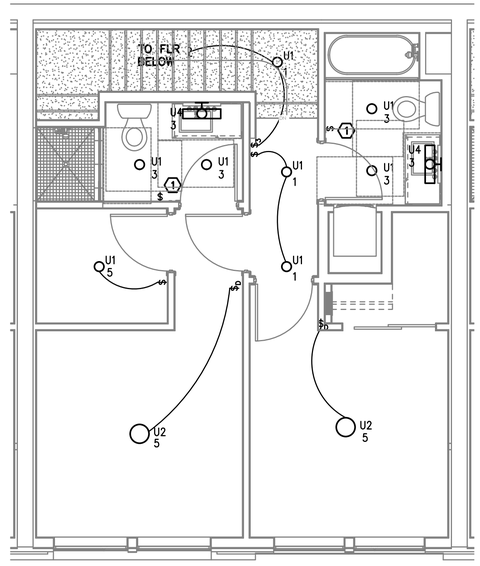
SHEET:
E4.01
ENLARGED UNIT LIGHTING PLANS



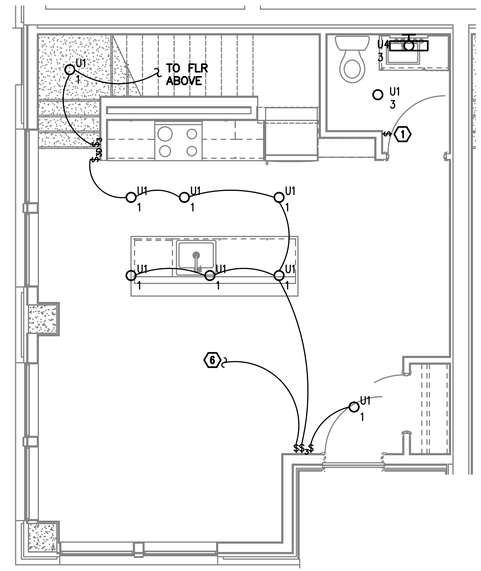
1 E4.02 UNIT TYPE 'D' – LIGHTING PLAN
1/4" = 1'–0"



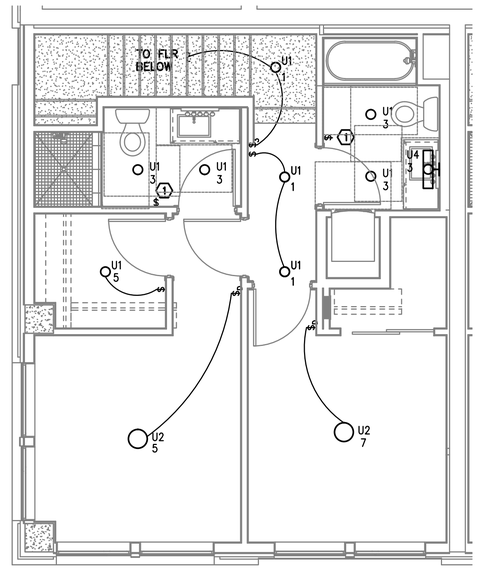
2 E4.02 UNIT TYPE 'E' LEVEL 1 LIGHTING PLAN
1/4" = 1'–0"



3 E4.02 UNIT TYPE 'E' LEVEL 2 LIGHTING PLAN
1/4" = 1'–0"



4 E4.02 UNIT TYPE 'F' LEVEL 1 LIGHTING PLAN
1/4" = 1'–0"



5 E4.02 UNIT TYPE 'F' LEVEL 2 LIGHTING PLAN
1/4" = 1'–0"

GENERAL NOTES:

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

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

C. ALL LIGHT SWITCHES SHALL BE DIMMER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES:

1. REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
2. LOCATE SWITCH FOR SINK LIGHT IN CABINET FALSE FRONT.
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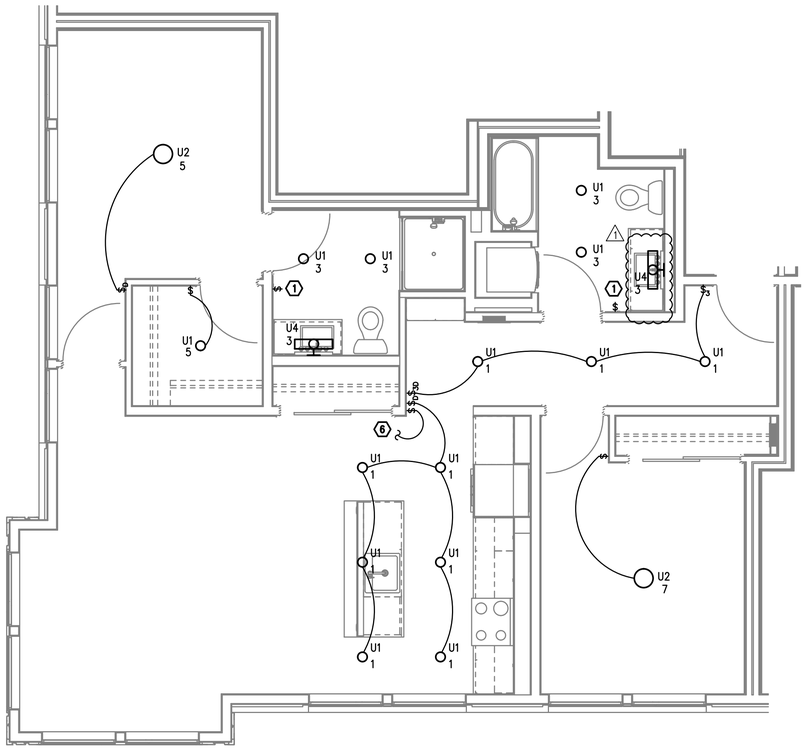
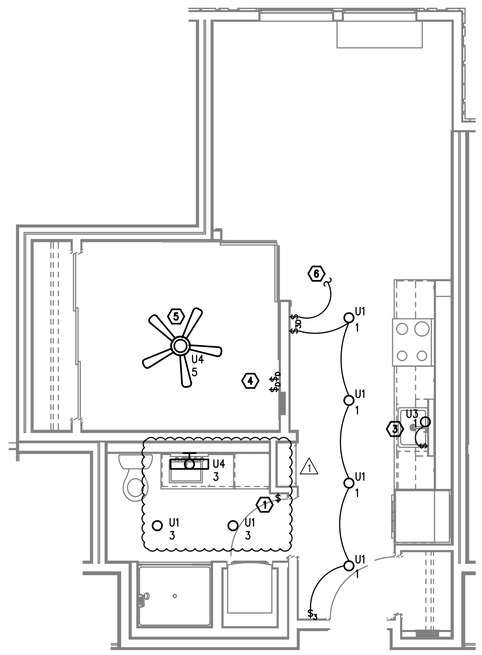
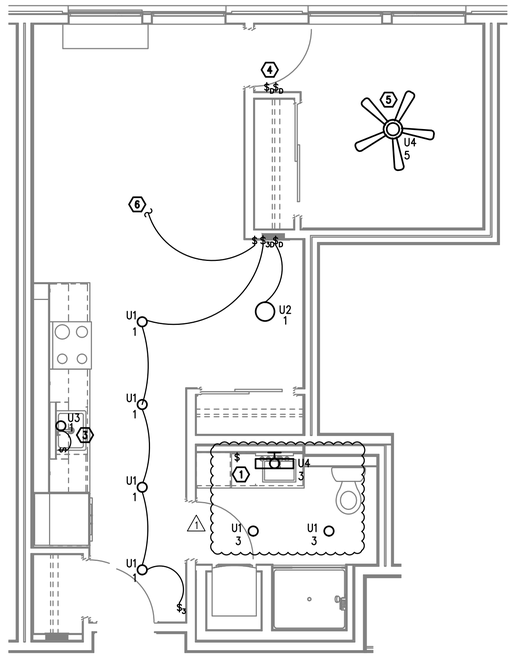
SHEET:
E4.02
ENLARGED UNIT LIGHTING PLANS



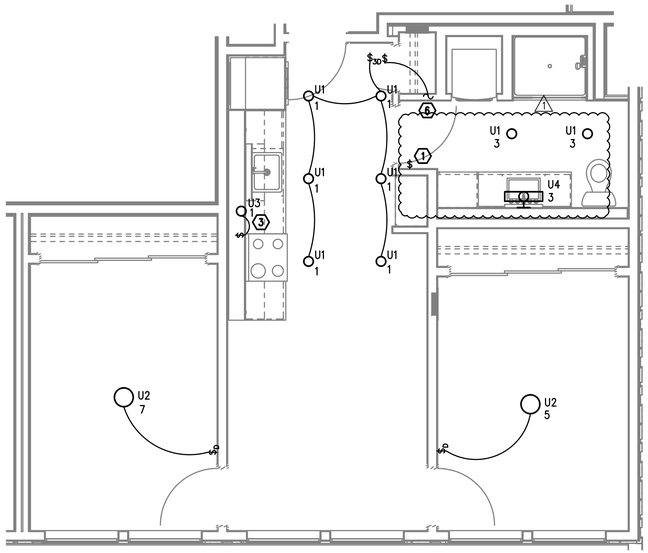
1 E4.03 UNIT TYPE 'G' – LIGHTING PLAN
1/4" = 1'-0"



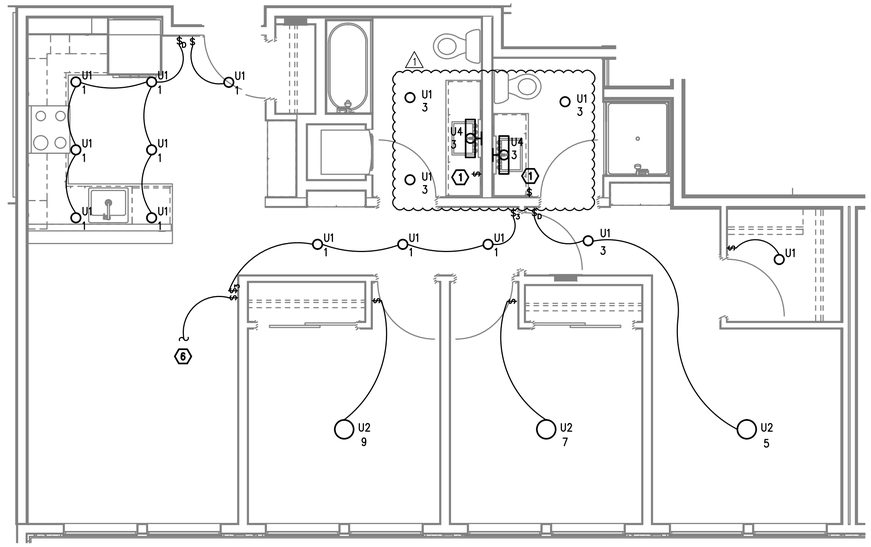
2 E4.03 UNIT TYPE 'H' – LIGHTING PLAN
1/4" = 1'-0"



3 E4.03 UNIT TYPE 'I' – LIGHTING PLAN
1/4" = 1'-0"



4 E4.03 UNIT TYPE 'J' – LIGHTING PLAN
1/4" = 1'-0"



5 E4.03 UNIT TYPE 'K' – LIGHTING PLAN
1/4" = 1'-0"

GENERAL NOTES:

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

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

C. ALL LIGHT SWITCHES SHALL BE DIMMER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

KEYED NOTES:

1. REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.22.
2. LOCATE SWITCH FOR SINK LIGHT IN CABINET FALSE FRONT.
3. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATION AND MOUNTING OF UNDER CABINET LIGHTS.
4. SWITCHING FOR CEILING FAN SHALL BE MANUFACTURER'S RECOMMENDATION FOR LIGHT AND FAN CONTROL.
5. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
6. TO SWITCHED RECEPTACLE IN LIVING ROOM. REFER TO E4.1 SERIES SHEETS FOR LOCATION.

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16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

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1 PLAN REVIEW 01.17.2022

BURNSIDE MIXED USE

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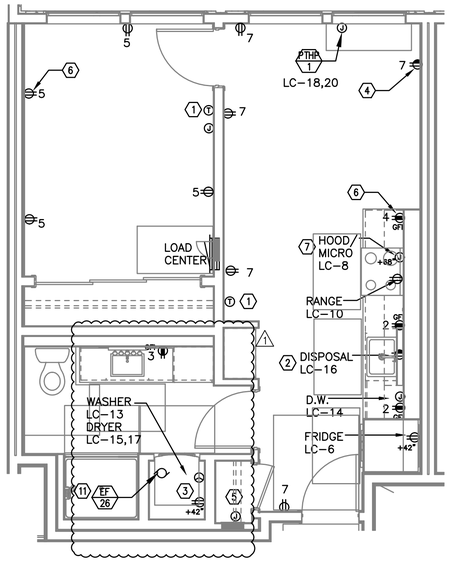
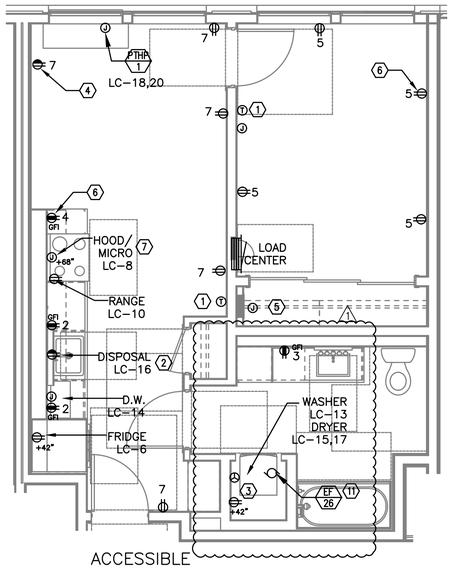
CONTACT: DENISE TAYLOR

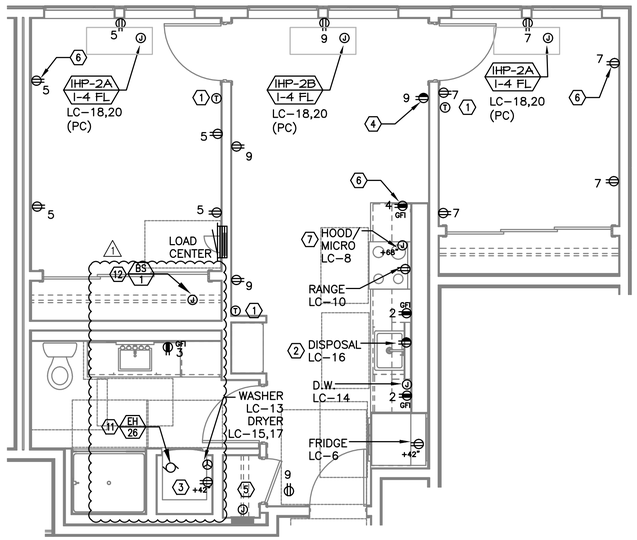
SHEET:
E4.03
ENLARGED UNIT LIGHTING PLANS



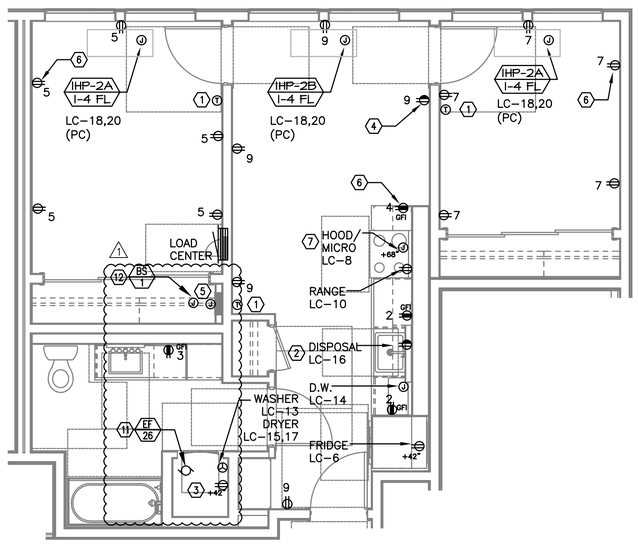
1 E4.11 UNIT TYPE 'A' – POWER PLAN
1/4" = 1'-0"



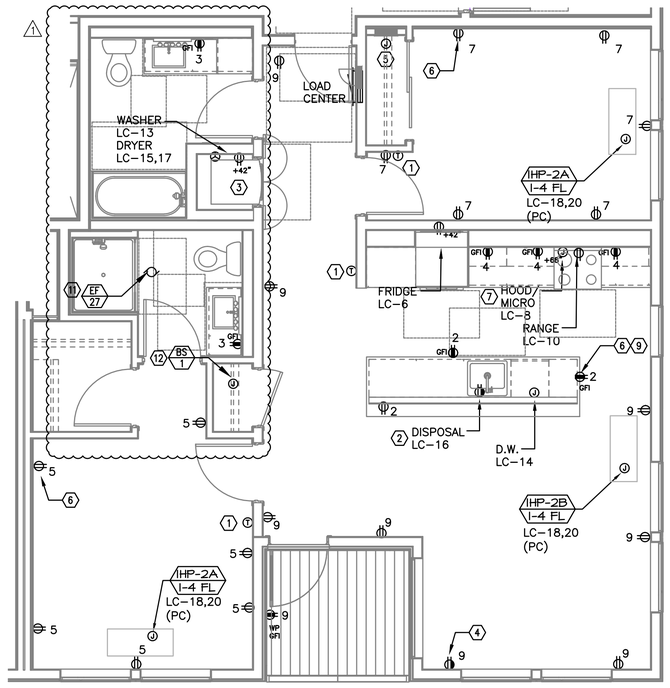
ACCESSIBLE
2 E4.11 UNIT TYPE 'A' – POWER PLAN
1/4" = 1'-0"



3 E4.11 UNIT TYPE 'B' – POWER PLAN
1/4" = 1'-0"



ACCESSIBLE
4 E4.11 UNIT TYPE 'B' – POWER PLAN
1/4" = 1'-0"



5 E4.11 UNIT TYPE 'C' – POWER PLAN
1/4" = 1'-0"

GENERAL NOTES:

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

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

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

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

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

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

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

KEYED NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. THERMOSTATS TO BE MOUNTED AT 48" AFF MAX. TO HIGHEST OPERABLE PART.
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7. FOR RANGE HOODS/MICROWAVES PROVIDED WITH A CORD & PLUG SET, PROVIDE A 20A DUPLEX RECEPTACLE LOCATED INSIDE THE OVERHEAD CABINET. HARDWIRED APPLIANCES MAY BE CIRCUITED VIA J-BOX MOUNTED FLUSH OR RECESSED INTO THE WALL DIRECTLY BEHIND THE APPLIANCE.
8. RECEPTACLE MOUNTED IN FACE OF CABINET.
9. MOUNT DEVICE JUST UNDER THE EDGE OF THE COUNTER TOP.
10. PROVIDE HOOD CONTROL SWITCH MOUNTED IN FACE OF FALSE CABINET FACE. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE EXACT LOCATION.
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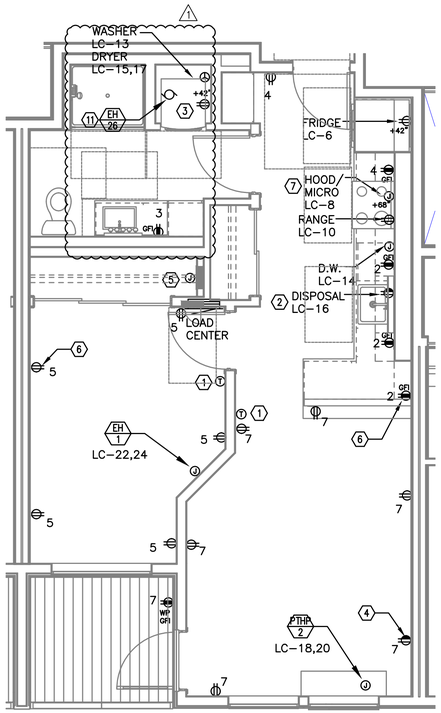
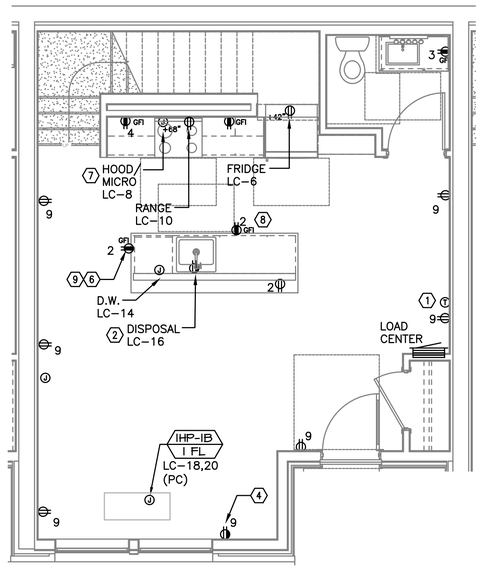
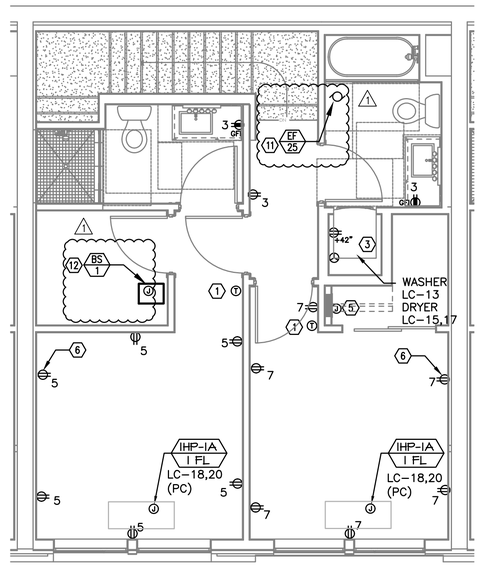


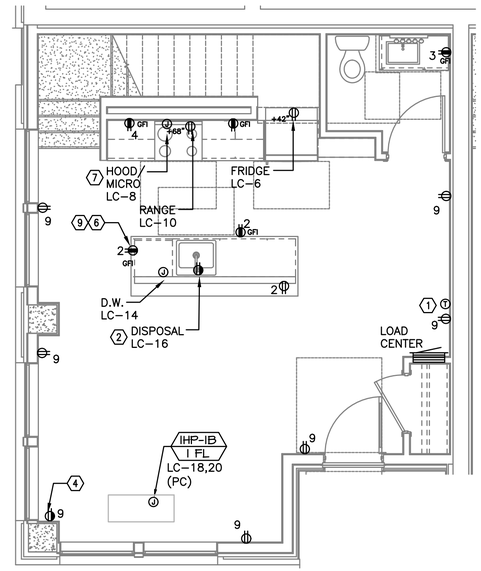
1 E4.12 UNIT TYPE 'D' – POWER PLAN
1/4" = 1'-0"



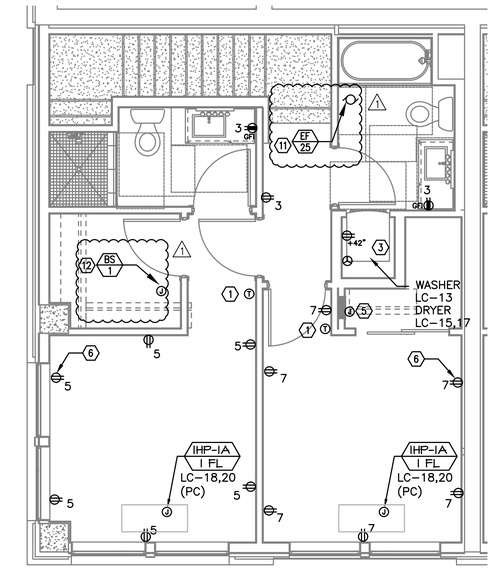
2 E4.12 UNIT TYPE 'E' LEVEL 1 POWER PLAN
1/4" = 1'-0"



3 E4.12 UNIT TYPE 'E' LEVEL 2 POWER PLAN
1/4" = 1'-0"



4 E4.12 UNIT TYPE 'F' LEVEL 1 POWER PLAN
1/4" = 1'-0"



5 E4.12 UNIT TYPE 'F' LEVEL 2 POWER PLAN
1/4" = 1'-0"

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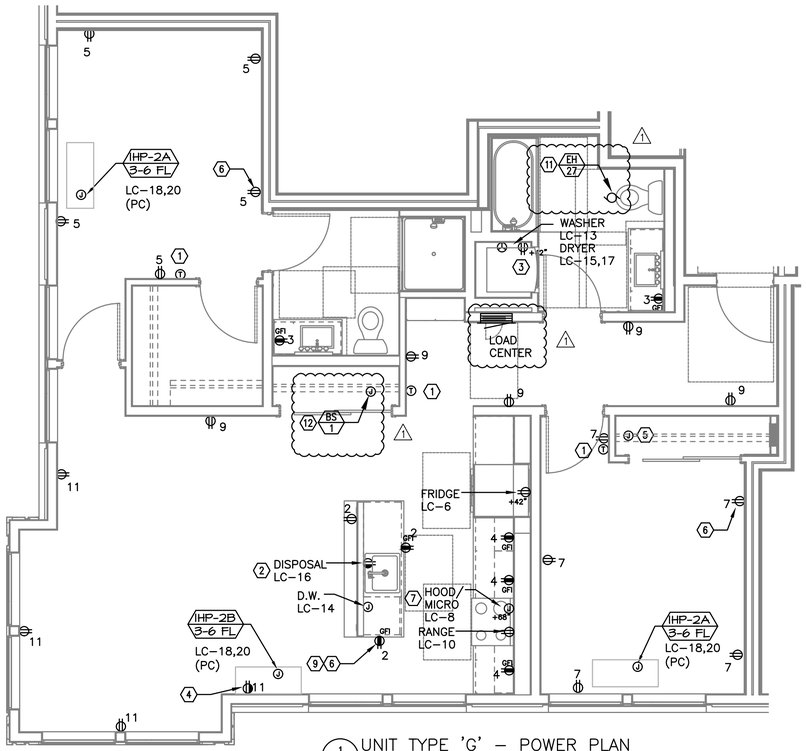
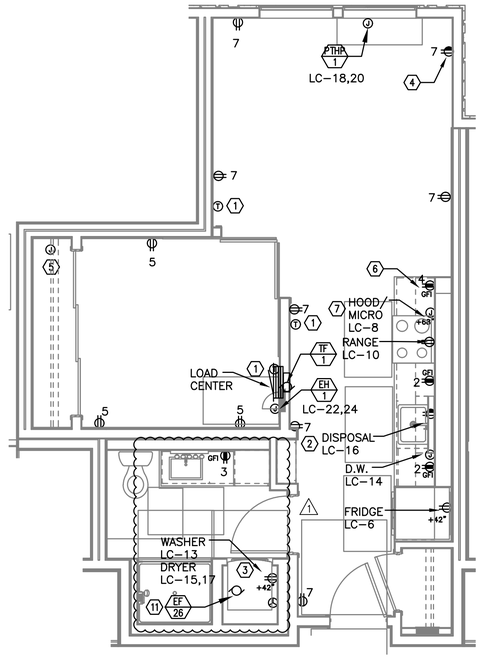
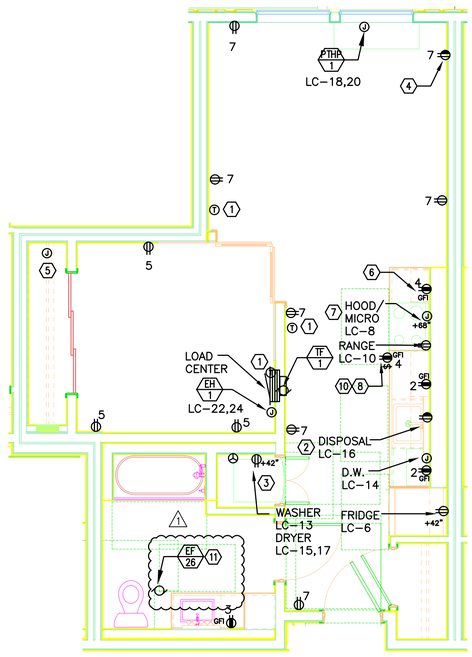
ENLARGED UNIT POWER PLANS



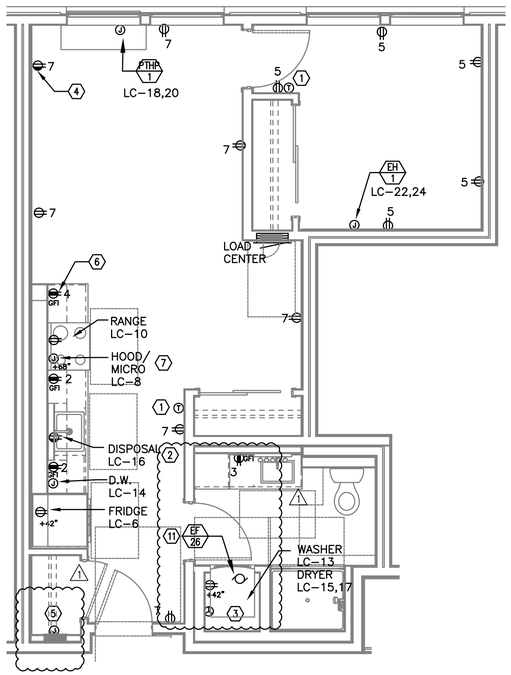
1 E4.13 UNIT TYPE 'G' – POWER PLAN
1/4" = 1'-0"



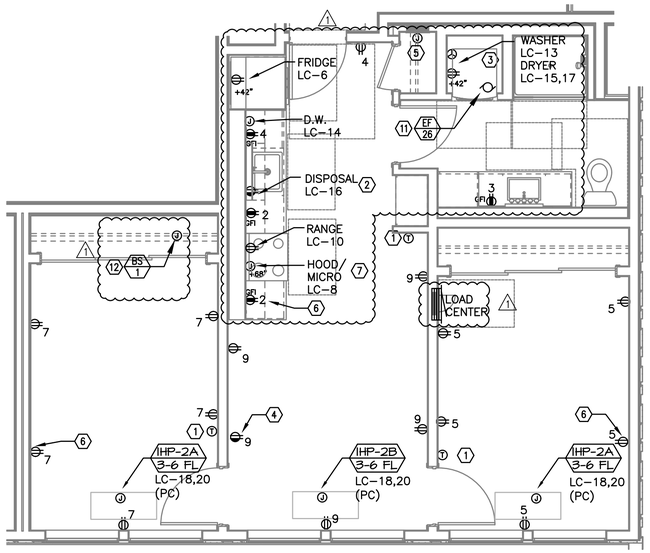
2 E4.13 UNIT TYPE 'H' – POWER PLAN
1/4" = 1'-0"



ACCESSIBLE
3 E4.13 UNIT TYPE 'H' – POWER PLAN
1/4" = 1'-0"



4 E4.13 UNIT TYPE 'I' – POWER PLAN
1/4" = 1'-0"



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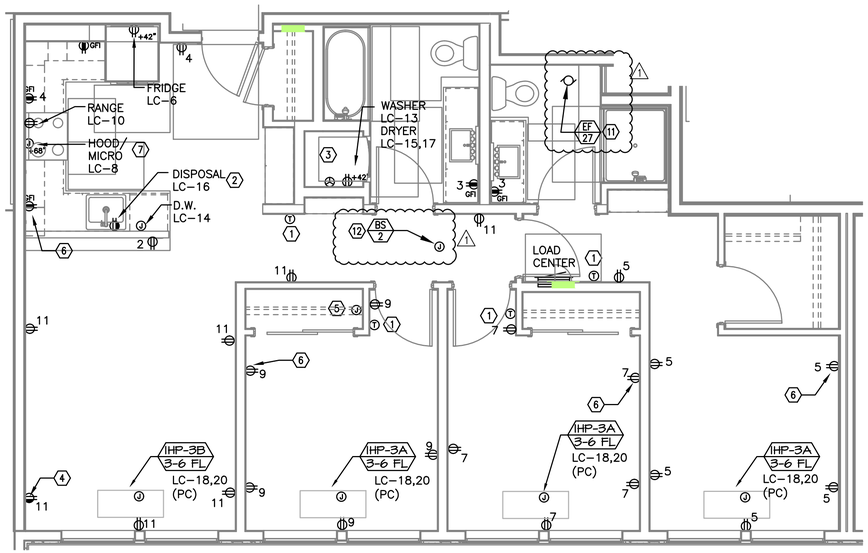

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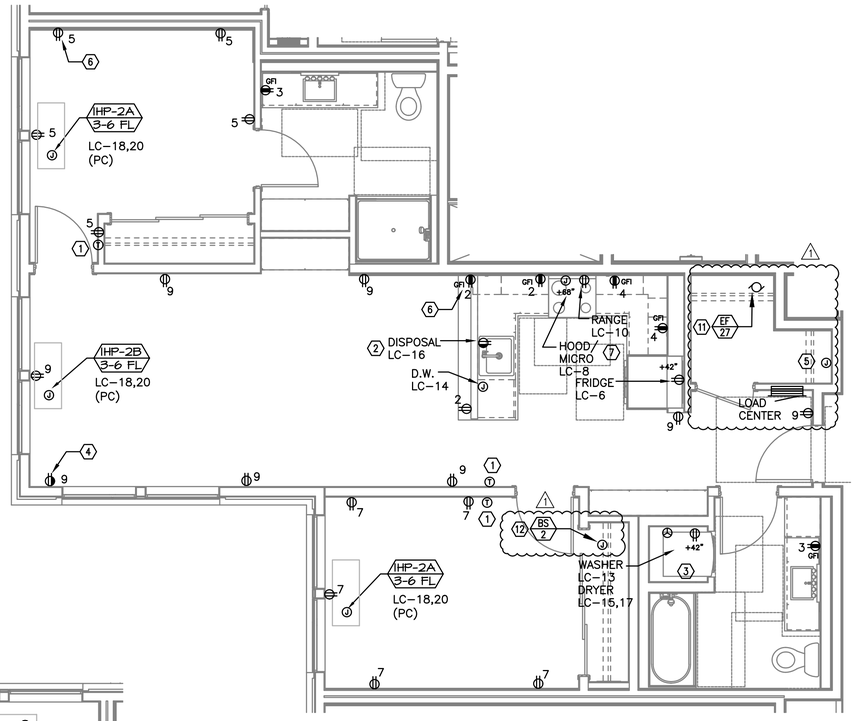
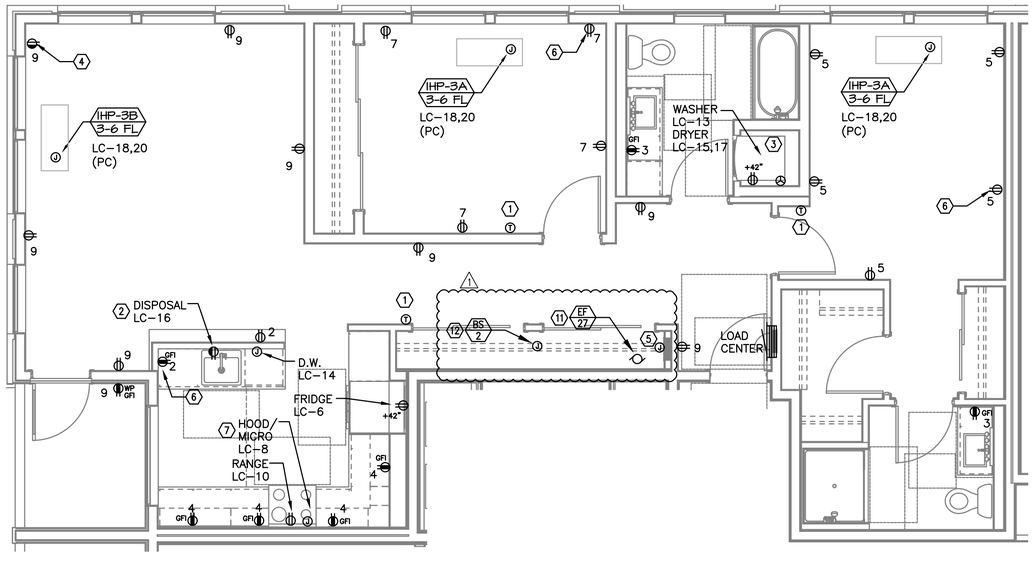


2 E4.14 UNIT TYPE 'M' – POWER PLAN
1/4" = 1'-0"



3 E4.14 UNIT TYPE 'L' – POWER PLAN
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5. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
6. PROVIDE ONE 15A, 120V, 1P RECEPTACLE WITH USB PORT, MOUNTED AT 44" A.F.F (MAX) AT KITCHEN ISLAND/PENNISULA COUNTER & AT 18" AFF IN BEDROOMS. CONSULT ARCHITECT AND/OR INTERIOR DESIGNER FOR ADDITIONAL LOCATIONS WHERE REQUIRED.
7. FOR RANGE HOODS/MICROWAVES PROVIDED WITH A CORD & PLUG SET, PROVIDE A 20A DUPLEX RECEPTACLE LOCATED INSIDE THE OVERHEAD CABINET. HARDWIRED APPLIANCES MAY BE CIRCUITED VIA J-BOX MOUNTED FLUSH OR RECESSED INTO THE WALL DIRECTLY BEHIND THE APPLIANCE.
8. RECEPTACLE MOUNTED IN FACE OF CABINET.
9. MOUNT DEVICES HORIZONTALLY, JUST UNDER THE EDGE OF THE COUNTER TOP.
10. PROVIDE HOOD CONTROL SWITCH MOUNTED IN FACE OF FALSE CABINET FACE. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE EXACT LOCATION.

1 11. TIE CONTINUOUS OPERATING EXHAUST FAN INTO NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT.

12. TIE BRANCH BOX INTO HVAC SPLIT SYSTEM CIRCUIT. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION AND COORDINATE ALL WORK PRIOR TO ROUGH IN.

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REGISTERED PROFESSIONAL ENGINEER
16,597
OREGON
JULY 20, 1993
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2017-110
DATE: 06/16/2021
PERMIT SET

REVISIONS
1 PLAN REVIEW 01.17.2022

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ENLARGED UNIT POWER PLANS