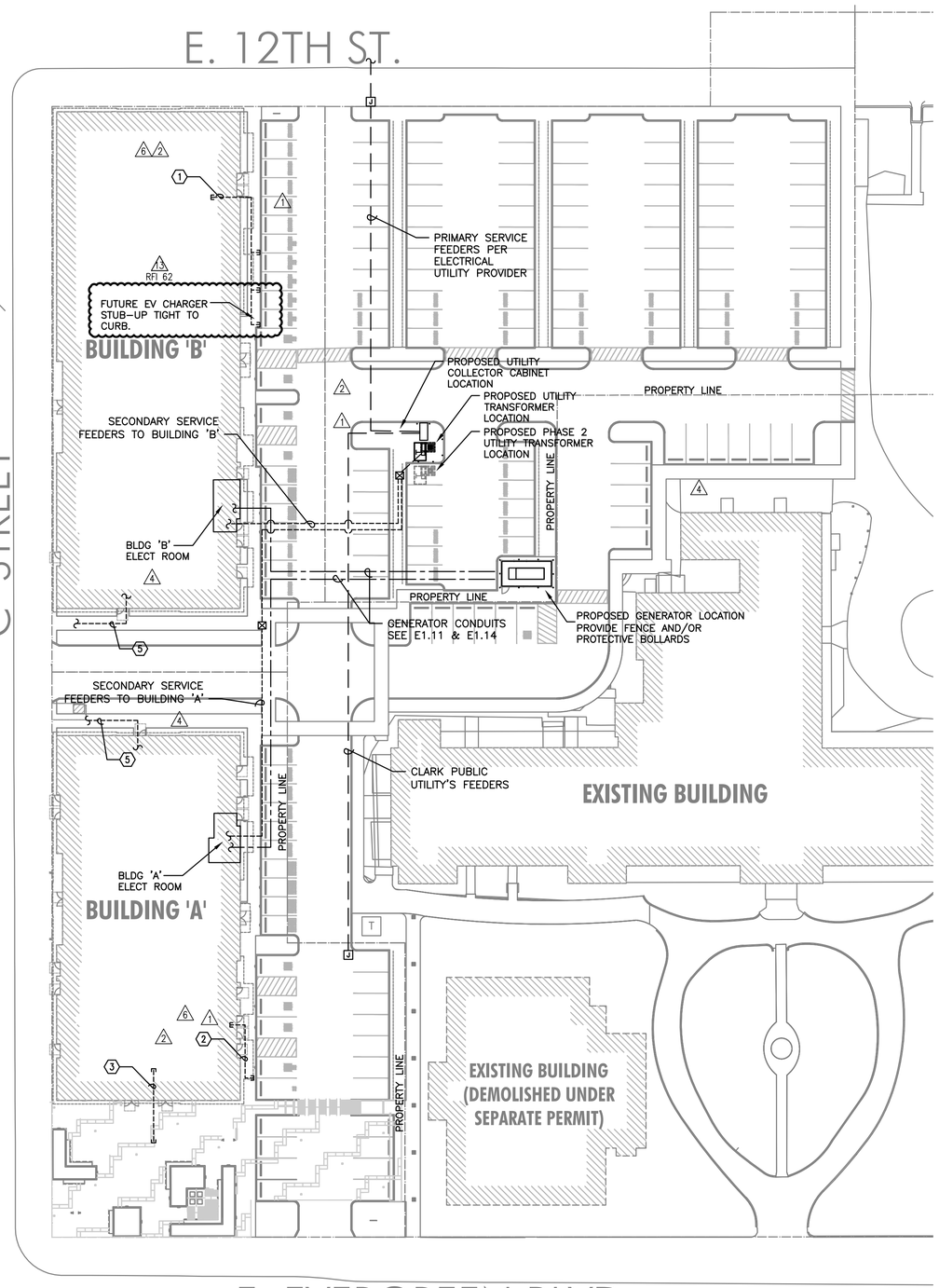


1 E1.01 SITE ELECTRICAL PLAN
SCALE: 1" = 30'-0"

GENERAL NOTES:

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

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

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

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

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

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

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

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

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

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

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

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

⬡ KEYED POWER NOTES:

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

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

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

4. NOT USED.

5. PROVIDE (1) 3/4" PVC CONDUIT W/PULL STRING, ROUTED UNDERGROUND FROM RISER ROOM #196B TO BUILDING EXTERIOR FOR IRRIGATION AND CAP AT BOTH ENDS. VERIFY EXACT LOCATION WITH LANDSCAPING AND/OR CIVIL.

CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING.

UTILITY REQUIREMENTS

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

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

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

2 4. ELECTRICAL UTILITY PROVIDER:
CLARK PUBLIC UTILITIES
CONSTRUCTION SERVICES
360.992.8558

2

INCOMING ELECTRICAL SERVICE
DIVISION OF RESPONSIBILITY

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

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

POWER UTILITY CONTACT:	TELEPHONE UTILITY CONTACT:	CABLE T.V. UTILITY CONTACT:
CHARLIE BEATTY CLARK PUBLIC UTILITIES OFFICE:(360) 992-8721 CELL: (360) 253-0261 EMAIL: CBEATTY@CLARKPUD.COM	MANDY STUBBLEFIELD CENTURYLINK PHONE:MANDY.STUBBLE EMAIL: FIELD@CENTURYLINK.COM	BOB MILLAR COMCAST PHONE:(360) 316-1128 EMAIL: BOB_MILLAR@COMCAST.COM

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

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ROBERT L. CONNELL
STATE OF WASHINGTON
30653
REGISTERED PROFESSIONAL ENGINEER
EXPIRES: July 5th, 2020

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

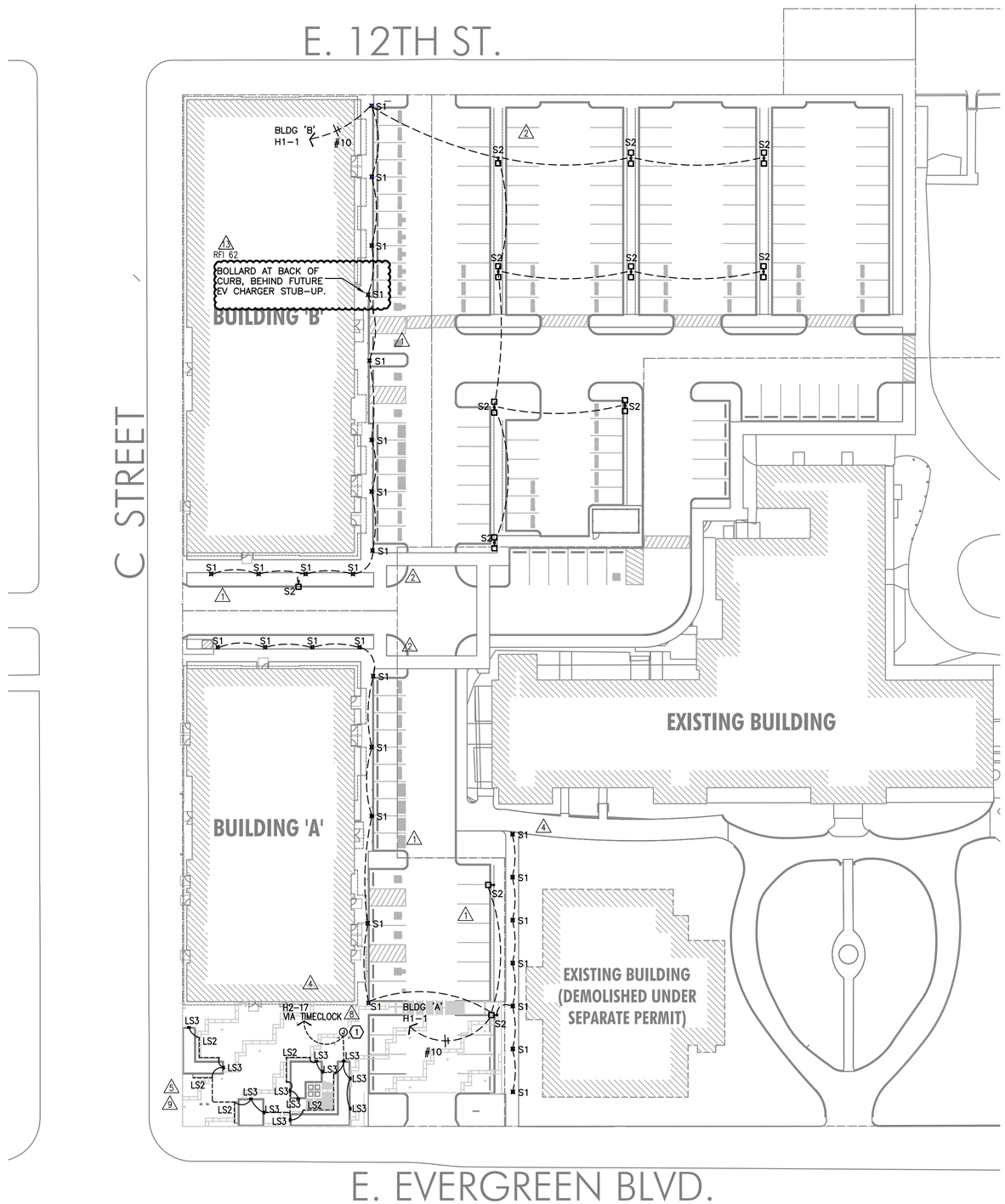
PROJECT # 2017-053
DATE: 11/06/2019
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9 PLAN REVIEW 03.26.2021
10 PLAN REVIEW 07.15.2021
12 COORDINATION 08.27.2021
13 COORDINATION 11.05.2021

AEGIS MIXED-USE DEVELOPMENT

312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET: E1.01

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

GENERAL NOTES:

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

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

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

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

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

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

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

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

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

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

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

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

⬡ KEYED LIGHTING NOTES:

5 1. PROVIDE WEATHER PROOF J-BOX, FLUSH WITH GRADE, FOR FUTURE LIGHT INSTALLATION. REFER TO LANDSCAPING PLANS FOR ADDITIONAL INFORMATION.

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ROBERT L. CONNELL — STATE OF WASHINGTON — 30653 — REGISTERED PROFESSIONAL ENGINEER

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12 COORDINATION 08.27.2021
13 COORDINATION 11.05.2021

AEGIS
MIXED-USE DEVELOPMENT
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SHEET: E1.02

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Estimated Loads — Aegis I - Bldg A — Main distribution Center "MDP-A"							
LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
PANEL H1/H2	6,716	32,340	2,500		14,634		
PANEL M1/M2			25,200		2,500	73,707	
PANEL E1	6,250	1,500	0	0	10,000	2,352	
10 Elevator 1 (15hp)						17,388	17,388
Residential Meters (MC-A1)				361,000			
Retail Meters (MC-A2)				138,000			
SUBTOTAL	12,966	33,840	27,700	499,000	27,134	93,447	17,388
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	16,208	21,920	27,700	499,000	27,134	93,447	4,347

CONN LOAD:	711	KVA

VOLTS:	208	3ph
TOTAL CALC:	690	KVA
4 CALC AMPS:	1915	AMPS

5

Aegis I - Bldg A — Emergency Distribution Panel 'EDP-A'							
LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
Panel E1	5,356	1,500	0		10,000	2,352	
10 Elevator 1 (15hp)						17,388	17,388
SUBTOTAL	5,356	1,500	0	0	10,000	19,740	17,388
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	6,695	1,500	0	0	10,000	19,740	4,347

CONN LOAD:	54	KVA

10 VOLTS:	208	3ph
TOTAL CALC:	42	KVA
CALC AMPS:	117	AMPS

Estimated Loads — Aegis I – Bldg 'A' — Commercial Meter Center "MC–A2"							
LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
Retail Space 'A' 1777sf @ 30w/sf				53,500			
Retail Space 'B' 845sf @ 15w/sf				13,000			
Retail Space 'C' 832sf @ 15w/sf				13,000			
Retail Space 'D' 1015sf @ 15w/sf				15,225			
Retail Space 'E' 933sf @ 30w/sf				28,000			
SUBTOTAL	0	0	0	122,725	0	0	0
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	0	0	0	122,725	0	0	0

CONN LOAD:	123	KVA

VOLTS:	208	3ph
TOTAL CALC:	123	KVA
CALC AMPS:	341	AMPS

10

Estimated Loads — Aegis I - Bldg A & B — Generator Load Summary							
LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
Panel EDP-Bldg A				42,000			
Panel EDP-Bldg B				60,000			
SUBTOTAL	0	0	0	102,000	0	0	0
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	0	0	0	102,000	0	0	0

CONN LOAD:	102	KVA

VOLTS:	208	3ph
TOTAL CALC:	102	KVA
CALC AMPS:	283	AMPS

Aegis I – Bldg A — RESIDENTIAL LOAD SUMMARY 'MC–A1'																	
UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (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													
Studio	----	2	2	2	2	----	8	540	1620	3000	1500	8000	1500	1200	3500	0	900	0	2500
1bed/1bath	----	7	7	7	5	----	26	750	2250	3000	1500	8000	1500	1200	3500	0	900	0	5000
2bed/2bath	----	4	4	4	4	----	16	985	2955	3000	1500	8000	1500	1200	3500	0	900	0	8750
TOTALS:	0	13	13	13	11	0	50	39580	118740	150000	75000	400000	75000	60000	175000	0	45000	0	290000

5 4 VOLTS: 208 3ph
TOTAL CONNECTED: 1389 KVA
DEMAND FACTOR: 0.26 Based on Total Number of Residential Units = 46 – 50 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 361 KVA
CALCULATED AMPS: 1002 AMPS

NOTE:

BUILDING 'A' MECHANICAL EQUIPMENT SCHEDULE

	NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
13 RFI 122	BS–1	BRANCH SELECTOR BOX NO.1		208	1	0.5 MCA	1/2"	#12	#12	SEE UNIT PLANS
	~~EF–1~~	~~EXHAUST FAN NO.1~~	~~0.2HP~~	~~120~~	~~1~~		~~1/2"~~	~~#12~~	~~#12~~	~~SEE UNIT PLANS~~
	EF–2	EXHAUST FAN NO.2	135W	120	1		1/2"	#12	#12	SEE E3.01
	EF–3	EXHAUST FAN NO.3	1/10HP	120	1		1/2"	#12	#12	M1–20
	EF–4	EXHAUST FAN NO. 4	57W	120	1		1/2"	#12	#12	M2–13
	EF–5	EXHAUST FAN NO.5	1/2HP	120	1		1/2"	#12	#12	M2–13
	EF–6	EXHAUST FAN NO.6		120	1		1/2"	#12	#12	M2–15
6	EF–7	EXHAUST FAN NO.7	1/4HP	120	1		1/2"	#12	#12	M2–19
	EF–8	EXHAUST FAN NO.8	3/4HP	120	1		1/2"	#12	#12	M2–17
	~~EF–9~~	~~EXHAUST FAN NO.9~~	~~1/2HP~~	~~120~~	~~1~~		~~1/2"~~	~~#12~~	~~#12~~	~~M2–19~~
13	EH–1	ELECTRIC WALL HEATER NO.1	1.5 KW	208	1		1/2"	#12	#12	SEE UNIT PLANS
	~~EH–2~~	~~ELECTRIC WALL HEATER NO.2~~	~~500W~~	~~120~~	~~1~~		~~1/2"~~	~~#12~~	~~#12~~	~~SEE E3.01~~
	~~EH–3~~	~~ELECTRIC WALL HEATER NO.3~~	~~3.0 KW~~	~~208~~	~~1~~		~~1/2"~~	~~#12~~	~~#12~~	~~SEE E3.01~~
13	EH–4	ELECTRIC WALL HEATER NO.4	500W	208	1		1/2"	#12	#12	H1–26
	~~EH–5~~	~~ELECTRIC WALL HEATER NO.5~~	~~3.0 KW~~	~~208~~	~~1~~		~~1/2"~~	~~#12~~	~~#12~~	~~M1–14,16,18~~
13 4	~~EH–6~~	~~ELECTRIC WALL HEATER NO.1~~	~~2.0 KW~~	~~120~~	~~1~~		~~1/2"~~	~~#12~~	~~#12~~	~~SEE UNIT PLANS~~
	FC–1	FAN COIL UNIT NO.1	11.3KW	208	3		1/2	#12	#12	M1–8,10,12
4	HP–1	HEAT PUMP NO.1		208	3	31.4MCA	3/4"	#6	#10	M2–14,16,18
	IAC–1	MINI SPLIT SYST NO.1 (INDOOR)								
	OAC–1	MINI SPLIT SYST NO.1 (OUTDOOR)		208	1	28.0 MCA	1/2"	#10	#10	M2–2,4
	IAC–2	MINI SPLIT SYST NO.2 (INDOOR)								
	OAC–2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	28.0 MCA	1/2'	#10	#10	M2–6,8
	IHP–1	MINI SPLIT SYST NO.1 (INDOOR) (A & B)								
	OHP–1	MINI SPLIT SYST NO.1 (OUTDOOR)		208	1	42.0 MCA	3/4"	#6	#10	SEE UNIT PLANS
	IHP–2	MINI SPLIT SYST NO.2 (INDOOR) (A & B)								
	OHP–2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	22.1 MCA	3/4"	#10	#10	SEE UNIT PLANS
4 5	RTU–1	AIR HANDLING UNIT NO.1		208	3	41.0MCA	3/4'	#6	#10	M2–1,3,5
6	RTU–2	AIR HANDLING UNIT NO.2		208	3	31.0 MCA	3/4'	#6	#10	M2–7,9,11
	PTHP–1	SPLIT SYSTEM NO.1	3.2KW	208	1	10.6 MCA	1/2"	#12	#12	REFER TO UNIT PLANS
5	PTHP–2	SPLIT SYSTEM NO.2	2.3KW	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	E1–16
	RP–1	RECIRC PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	M1–15
	RP–2	RECIRC PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	M1–32
	BP–1	BOOSTER PUMP NO.1	(2) 5HP	208	3	28.8 EA.	1"	#4	#10	M1–31,33,35
	WH–1	WATER HEATER NO.1 (GAS)		120	1		1/2"	#12	#12	M1–13 (PC)
	WH–2	WATER HEATER NO.2 (GAS)		120	1		1/2"	#12	#12	M1–13 (PC)
	WH–3	WATER HEATER NO.3 (GAS)		120	1		1/2"	#12	#12	M1–30 (PC)
	WH–4	WATER HEATER NO.4 (GAS)		120	1		1/2"	#12	#12	M1–30 (PC)

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 E1.12 BUILDING 'A' LOAD SUMMARY & EQUIPMENT SCHEDULE
SCALE: NONE

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ROBERT L. CONNELL — STATE OF WASHINGTON — 30653 — REGISTERED PROFESSIONAL ENGINEER
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AEGIS MIXED-USE DEVELOPMENT
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET: E1.12

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'A'	connected load amps
E1	SURFACE	2nd Flr Rm 294	52
voltage 120/208V	phase 3	bus & main 100A SCCR: 22K MLO	calculated load amps 55

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
	SPARE		20/1	1	*	2	20/1	1500	SMOKE DAMPERS - FLR 1	5
1	LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	1500	SMOKE DAMPERS - FLR 2&3	5
	LIGHTS - FLR 1 EGRESS	416	20/1	5	*	6	20/1	1500	SMOKE DAMPERS - FLR 4&5	5
5	AREA OF REFUGE PANEL	500	20/1	7	*	8	20/1	1500	ELEVATOR PIT - LTS & PLUGS	2
	LIGHTS - OTHER	250	20/1	9	*	10	20/1	1500	ELEVATOR CAD LIGHTS	1
1	LIGHTS - STAIR 2	266	20/1	11	*	12	20/1	1500	ELEVATOR CONTROLLER (OPT)	5
1	LIGHTS - FLR 2 & 3 EGRESS	282	20/1	13	*	14	20/1	0	SPARE
1	LIGHTS - FLR 4, 5 & 6 EGRESS	1500	20/1	15	*	16	20/1	1500	ELEVATOR PIT - ELEVATOR PIT	5
1	LIGHTS - TERRACE	500	20/1	17	*	18	20/1	1500	ELEVATOR SMOKE CURTAINS	5
5	FACP	500	20/1	19	*	20	20/1	500	EMERGENCY GAS SHUT OFF	5
	SPARE	0	20/1	21	*	22	20/1	500	EMERGENCY GAS SHUT OFF	5
5	GENERATOR ANNUNCIATOR	500	20/1	23	*	24	20/1	500	RECEPT - ELEV MACH RM	2
	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	4782 VA		208
Phase B	6942 VA		largest motor (va)
Phase C	6808 VA		0
Total Connected	18532 VA		

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	282	3766	1308	VA	5356	1.25	6695
2. RECEPT.=	1500	0	500	VA	2000	1 + 0.5	2000
3. HEATING=	0	0	0	VA	0	1.00	0
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	3000	2000	5000	VA	10000	1.00	10000
6. MOTORS=	0	1176	0	VA	1176	*	1176
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)						TOTAL =	19871

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'A'	connected load amps
H1	SURFACE	2nd Flr Rm 294	156
voltage 120/208V	phase 3	bus & main 250A SCCR: 22K MLO	calculated load amps 151

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - SITE/PARKING	500	20/1	1	*	2	20/1	1080	RECEPT - FLR 1	2
1	LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	900	RECEPT - FLR 1	2
1	LIGHTS - FLR 1 (LOBBY DECOR)	814	20/1	5	*	6	20/1	1080	RECEPT - FLR 1 (E. LOBBY)	2
1	LIGHTS - FLR 1 (LOBBY & CORRID	407	20/1	7	*	8	20/1	1500	RECEPT - FLR 1 (PKG SYSTEM)	2
1	LIGHTS - FLR 1 (BOH)	464	20/1	9	*	10	20/1	1500	AUTO DOORS	5
5	BUILDING SIGNS	1500	20/1	11	*	12	20/1	1440	RECEPT - FLR 1	2
1	LIGHTS - FLR 2 & 3 (BOH)	566	20/1	13	*	14	20/1	0	SPARE
5	UNIT ENTRY SYSTEM	1500	20/1	15	*	16	20/1	500	RECEPT - FLR 4 (W. LOBBY)	2
1	LIGHTS - PLAZA	1500	20/1	17	*	18	20/1	500	PHONE BOARD	5
	SPARE	0	20/1	19	*	20	20/1	500	COMMUNICATIONS BOARD	5
2	RECEPT - FLR 2	1080	20/1	21	*	22	20/1	1500	ACCESS CONTROL SYSTEM	5
2	RECEPT - FLR 3	1080	20/1	23	*	24	20/1	500	EH-2 (N. STAIR)	3
2	RECEPT - MAINT. RM	1500	20/1	25	*	26	20/1	500	EH-4 (RISER RM)	3
2	SECURITY SYSTEM	1500	20/1	27	*	28	20/1	500	EH-2 (S. STAIR)	3
5	DAS SYSTEM	1500	20/1	29	*	30	20/1	500	EH-2 (E. VESTIBULE)	3
2	LEASE D&E (TEMP LTS & PLUGS)	1500	20/1	31	*	32	20/1	500	EH-2 (W. VESTIBULE)	3
2	LEASE B&C (TEMP LTS & PLUGS)	1500	20/1	33	*	34	20/1	228	LIGHTS - FLR 2 & 3 (CORRIDOR)	1
2	LEASE A (TEMP LTS & PLUGS)	1500	20/1	35	*	36	20/1	0	SPARE	
7	PANEL H2	8320	150/3	37	*	38	20/1	0	SPARE	
7	*	8054	*	39	*	40	20/1	0	SPARE	
7	*	7378	*	41	*	42	20/1	0	SPARE	

		NOTES:	line-line voltage
Phase A	16873 VA		208
Phase B	19946 VA		largest motor (va)
Phase C	19292 VA		0
Total Connected	56111 VA		

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	1473	1192	2314	VA	4979	1.25	6224
2. RECEPT.=	5580	5700	5100	VA	16380	1 + 0.5	13190
3. HEATING=	1000	500	1000	VA	2500	1.00	2500
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	500	4500	3500	VA	8500	1.00	8500
6. MOTORS=	0	0	0	VA	0	*	0
7. MISC=	8320	8054	7378	VA	23752	1.00	23752
(* 125% of the largest motor + 100% of the balance)						TOTAL =	54166

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'A'	connected load amps
M1	SURFACE	2nd Flr Rm 292	167
voltage 120/208V	phase 3	bus & main 250A (SCCR: 22K) MLO	calculated load amps 167

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
6	TRASH COMPACTOR	2100	40/3	1	*	2	50/3	3864	BP-1	6
6	*	2100	*	3	*	4	*	3864	*	6
6	*	2100	*	5	*	6	*	3864	*	6
6	TRASH COOMPACTOR	2100	40/3	7	*	8	20/3	1356	FC-1	6
6	*	2100	*	9	*	10	*	1356	*	6
6	*	2100	*	11	*	12	*	1356	*	6
3	WH-1,2 (GAS)	600	20/1	13	*	14	20/2	1500	EH-5 (TRASH RM)	3
6	RP-1	1176	20/1	15	*	16	*	1500	*	3
	SPARE	0	20/1	17	*	18	20/2	1500	EH-5 (BIKE RM)	3
3	EH-3 (TEMP)	1500	20/2	19	*	20	*	1500	*	3
3	*	1500	*	21	*	22	20/1	218	EF-3 (TRASH RM)	6
3	EH-3 (TEMP)	1500	20/2	23	*	24	20/1	1500	DRINKING FOUNTAIN	5
3	*	1500	*	25	*	26	20/1	500	IRRIGATION CONTROLS	5
3	EH-3 (TEMP)	1500	20/2	27	*	28	20/1	500	RECEPT - DATA RM FLR 2	2
3	*	1500	*	29	*	30	20/1	500	RECEPT - DATA RM FL 3	2
3	EH-3 (TEMP)	1500	20/2	31	*	32	20/1	1176	RP-2	6
3	*	1500	*	33	*	34	40/2		EV CHARGING STATION (FUTURE)	5
3	EH-3 (TEMP)	1500	20/2	35	*	36	*		*	5
3	*	1500	*	37	*	38	20/1	0	SPARE	
3	EH-3 (TEMP)	1500	20/2	39	*	40	20/1	1500	BUILDING SIGNS	5
3	*	1500	*	41	*	42	20/1	0	SPARE	

		NOTES:	line-line voltage
Phase A	20696 VA		208
Phase B	20314 VA		largest motor (va)
Phase C	19020 VA		0
Total Connected	60030 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	500	0	VA	500	1 + 0.5	500
3. HEATING=	9600	7500	8100	VA	25200	1.00	25200
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	500	1500	1500	VA	3500	1.00	3500
6. MOTORS=	10596	10814	9420	VA	30830	*	30830
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)						TOTAL =	60030

MFIA PANEL SCHEDULE

panel	mounting	location: BLDG 'A'	connected load amps
H2	SURFACE	5th Flr Rm 594	66
voltage 120/208V	phase 3	bus & main 150A SCCR: 22K MLO	calculated load amps 60

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS – FLR 4, 5, & 6	650	20/1	1	*	2	20/1	1080	RECEPT – 4TH FLR	2
1	LIGHTS – COMMUNITY RM	1000	20/1	3	*	4	20/1	1080	RECEPT – 5TH FLR	2
	SPARE		20/1	5	*	6	20/1	1300	RECEPT – COMMUNITY RM	2
1	LIGHTS – TERRACE	500	20/1	7	*	8	20/1	450	RECEPT – COMMUNITY RM	2
2	RECEPT – TERRACE	1080	20/1	9	*	10	20/1	500	RECEPT – COMMUNITY RM	2
2	RECEPT – TERRACE	1260	20/1	11	*	12	20/1	1200	RECEPT – COMMUNITY RM	2
2	RECEPT – TERRACE	1260	20/1	13	*	14	20/1	1500	RECEPT – COMMUNITY RM	2
5	A/V SYSTEM	1500	20/1	15	*	16	20/1	1650	RECEPT – COMMUNITY RM	2
2	RECEPT – ROOF	1080	20/1	17	*	18	20/1	360	RECEPT – COMMUNITY RM	2
5	COMMUNITY RM FIREPLACE	500	20/1	19	*	20	20/1	1080	RECEPT – COMMUNITY RM	2
5	LANDSCAPE LIGHTING	524	20/1	21	*	22	20/1	720	RECEPT – COMMUNITY RM	2
5	LANDSCAPE LIGHTING	1950	20/1	23	*	24	20/1	228	LIGHTS – FLR 4 & 5 (CORRIDOR)	1
5	LANDSCAPE LIGHTING	1300	20/1	25	*	26	20/1	0	SPARE	
	SPARE	0	20/1	27	*	28	20/1	0	SPARE	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

		NOTES:	line-line voltage
Phase A	8320 VA		208
Phase B	8054 VA		largest motor (va)
Phase C	7378 VA		0
Total Connected	23752 VA		

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	1150	1000	228	VA	2378	1.25	2973
2. RECEPT.=	5370	5030	5200	VA	15600	1 + 0.5	12800
3. HEATING=	0	0	0	VA	0	1.00	0
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	1800	2024	1950	VA	5774	1.00	5774
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 =	21547

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'A'	connected load amps
M2	SURFACE	5th Flr Rm 592	192
voltage 120/208V	phase 3	bus & main 250A (SCCR: 42K) MLO	calculated load amps 192

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
6	RTU-1	4920	50/3	1	*	2	30/2	2912	IAC/OAC-1	6
6	*	4920	*	3	*	4	*	2912	*	6
6	*	4920	*	5	*	6	30/2	2912	IAC/OAC-2	6
6	RTU-2	4920	50/3	7	*	8	*	2912	*	6
6	*	4920	*	9	*	10	20/1	1500	IRRIG. CONTROL (TERRACE)	5
6	*	4920	*	11	*	12	20/1	500	TERRACE FIREPLACE	5
6	EF-4 (RM 591 & 594)	1176	20/1	13	*	14	50/3	3816	HP-1	6
6	*	1176	20/1	15	*	16	*	3816	*	6
6	EF-6	1176	20/1	17	*	18	*	3816	*	6
6	EF-7	1176	20/1	19	*	20	30/2	2912	IHP/OHP-6	6
6	EF-8	718	20/2	21	*	22	*	2912	*	6
6	*	718	*	23	*	24	20/1	1500	RECEPT - DATA RM FLR 3 & 4	2
6	EF-9	1176	20/1	25	*	26	20/1	500	RECEPT - DATA RM FL 5	2
	SPARE	0	20/1	27	*	28	20/1	500	GAS APPLIANCES AT TERRACE	5
	SPARE	0	20/1	29	*	30	20/1	0	SPARE	
	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	25359 VA		208
Phase B	23374 VA		largest motor (va)
Phase C	20462 VA		0
Total Connected	69195 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.=	500	0	1500	VA	2000	1 + 0.5	2000
3. HEATING=	0	0	0	VA	0	1.00	0
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	0	2000	500	VA	2500	1.00	2500
6. MOTORS=	24859	21374	18462	VA	64695	*	64695
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)						TOTAL =	69195

1 E1.13 BUILDING 'A' PANEL SCHEDULES
SCALE: NONE

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EXPIRES: July 5th, 2020

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

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

REVISIONS
1 PLAN REVIEW 01.24.2020
2 PLAN REVIEW 03.13.2020
3 PLAN REVIEW 04.24.2020
4 PLAN REVIEW 08.10.2020
5 PLAN REVIEW 09.17.2020
6 PLAN REVIEW 10.16.2020
8 PLAN REVIEW 11.25.2020
9 PLAN REVIEW 03.26.2021
10 PLAN REVIEW 07.15.2021
12 COORDINATION 08.27.2021
13 COORDINATION 11.05.2021

AEGIS MIXED-USE DEVELOPMENT

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Estimated Loads	Aegis I - Bldg B Main distribution Center "MDP-B"						
LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
PANEL H1	7,106	23,880	1,500	0	14,000	0	
PANEL M1/M2	1,047	4,320	25,370		500	99,551	
PANEL E1	7,280	1,500	500		11,000	2,352	
1/10 Elevator 1 (15hp)						17,388	17,388
Elevator 2 (15hp)						17,388	
Residential Meters (MC-B1)				336,000			
Residential Meters (MC-B2)				352,000			
Retail Space 'F' 981sf @ 30w/sf				29,500			
SUBTOTAL	15,433	29,700	27,370	717,500	25,500	136,679	17,388
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	19,291	19,850	27,370	717,500	25,500	136,679	4,347

CONN LOAD:	970	KVA

VOLTS:	208	3ph
TOTAL CALC:	951	KVA
CALC AMPS:	2639	AMPS

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Aegis I - Bldg B Emergency Distribution Panel 'EDP-B'							
LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
Panel E1	4,733	1,500	500	0	11,000	2,352	
1/10 Elevator 1 (15hp)						17,388	17,388
Elevator 2 (15hp)						17,388	
SUBTOTAL	4,733	1,500	500	0	11,000	37,128	17,388
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	5,916	1,500	500	0	11,000	37,128	4,347

CONN LOAD:	72	KVA

1/10

VOLTS:	208	3ph
TOTAL CALC:	60	KVA
CALC AMPS:	168	AMPS

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NOTE: BASED ON TOTAL CONNECTED LOAD, AND ESTIMATED LOAD FOR THE LEAST SPACE, THIS SERVICE PANEL IS AT FULL CAPACITY. NO ADDITIONAL LOADS SHALL BE CONNECTED WITHOUT COMPLETE REVIEW OF THE CONNECTED LOAD AS INSTALLED BY THE CONTRACTOR.

1/10

Estimated Loads	Aegis I - Bldg A & B Generator Load Summary						
LOAD:	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS	LARGEST MOTOR
Panel EDP-Bldg A				42,000			
Panel EDP-Bldg B				60,000			
SUBTOTAL	0	0	0	102,000	0	0	0
X-FACTOR	1.25	1 + .5	1	1	1	1	0.25
CODE LOAD:	0	0	0	102,000	0	0	0

CONN LOAD:	102	KVA

VOLTS:	208	3ph
TOTAL CALC:	102	KVA
CALC AMPS:	283	AMPS

Aegis I – Bldg B RESIDENTIAL LOAD SUMMARY 'MC-B1'																	
UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING GAS (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													
Studio	0	2	2	2	2	2	10	540	1620	3000	1500	8000	1500	1200	3500	0	900	0	2500
1bed/1bath	0	4	4	4	4	4	20	750	2250	3000	1500	8000	1500	1200	3500	0	900	0	5000
2bed/2bath	0	3	3	3	3	3	15	985	2955	3000	1500	8000	1500	1200	3500	0	900	0	8750
TOTALS:	0	9	9	9	9	9	45	35175	105525	135000	67500	360000	67500	54000	157500	0	40500	0	256250

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2/4

VOLTS:	208	3ph
TOTAL CONNECTED:	1244	KVA
DEMAND FACTOR:	0.27	Based on Total Number of Residential Units = 43-45 (See N.E.C. Article: 220.84)
TOTAL CALCULATED:	336	KVA
CALCULATED AMPS:	932	AMPS

NOTE:

Aegis I – Bldg B RESIDENTIAL LOAD SUMMARY 'MC-B2'																	
UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (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													
Studio	3	2	2	2	2	2	13	540	1620	3000	1500	8000	1500	1200	3500	0	900	0	2500
1bed/1bath	2	5	5	5	5	5	27	750	2250	3000	1500	8000	1500	1200	3500	0	900	0	5000
2bed/2bath	2	2	2	2	2	2	12	985	2955	3000	1500	8000	1500	1200	3500	0	900	0	8750
TOTALS:	7	9	9	9	9	9	52	39090	117270	156000	78000	416000	78000	62400	182000	0	46800	0	272500

5

VOLTS:	208	3ph
TOTAL CONNECTED:	1409	KVA
DEMAND FACTOR:	0.25	Based on Total Number of Residential Units = 51-55 (See N.E.C. Article: 220.84)
TOTAL CALCULATED:	352	KVA
CALCULATED AMPS:	978	AMPS

NOTE:

BUILDING 'B' MECHANICAL EQUIPMENT SCHEDULE

NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
1/3 RFI 122 BS-1	BRANCH SELECTOR BOX NO.1		208	1	0.5 MCA	1/2"	#12	#12	SEE UNIT PLANS
~~EF-1~~	~~EXHAUST FAN NO.1~~	~~9.9HP~~	~~120~~	~~1~~		~~1/2"~~	~~#12~~	~~#12~~	~~SEE UNIT PLANS~~
EF-2	EXHAUST FAN NO.2	10.8HP	120	1		1/2"	#12	#12	SEE UNIT PLANS
EF-3	EXHAUST FAN NO.3	8.2HP	120	1		1/2"	#12	#12	SEE E3.01
EF-4	EXHAUST FAN NO. 4	135W	120	1		1/2"	#12	#12	M1-21
EF-5	EXHAUST FAN NO.5	1/10HP	120	1		1/2"	#12	#12	M1-32,34,36
EF-6	EXHAUST FAN NO.6	1/4HP	120	1		1/2"	#12	#12	M2-5
EF-7	EXHAUST FAN NO.7	57W	120	1		1/2"	#12	#12	M2-32
EF-8	EXHAUST FAN NO.8	1/2HP	120	1		1/2"	#12	#12	M2-25
EF-9	EXHAUST FAN NO.9	3/4HP	120	1		1/2"	#12	#12	M2-27,29
EF-10	EXHAUST FAN NO.10	1/2HP	120	1		1/2"	#12	#12	M2-31
EF-11	EXHAUST FAN NO.11	1/2HP	120	1		1/2"	#12	#12	M2-33
EF-12	EXHAUST FAN NO.12	3/4HP	120	1		1/2"	#12	#12	M2-26,28
EF-13	EXHAUST FAN NO.13	1/2HP	120	1		1/2"	#12	#12	M2-30
1/3 EH-1	ELECTRIC WALL HEATER NO.1	1.5 KW	208	1		1/2"	#12	#12	SEE UNIT PLANS
EH-2	ELECTRIC WALL HEATER NO.2	500W	120	1		1/2"	#12	#12	SEE E3.01
EH-3	ELECTRIC WALL HEATER NO.3	3.0 KW	208	1		1/2"	#12	#12	SEE E3.01
1/3 EH-4	ELECTRIC WALL HEATER NO.4	500W	208	1		1/2"	#12	#12	H1-26
EH-5	ELECTRIC WALL HEATER NO.5	3.0 KW	208	1		1/2"	#12	#12	SEE E3.01
1/3 4 EH-6	ELECTRIC WALL HEATER NO.1	2.0 KW	120	1		1/2"	#12	#12	SEE UNIT PLANS
FC-1	FAN COIL UNIT NO.1	11.3KW	208	3		1/2"	#12	#12	M1-8,10,12
4 HP-1	HEAT PUMP NO.1		208	3	31.4MCA	3/4"	#6	#10	M2-14,16,18
IAC-1	MINI SPLIT SYST NO.1 (INDOOR)								
OAC-1	MINI SPLIT SYST NO.1 (OUTDOOR)		208	1	28.0 MCA	1/2"	#10	#10	M2-7,9
IAC-2	MINI SPLIT SYST NO.2 (INDOOR)								
OAC-2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	28.0 MCA	1/2'	#10	#10	M2-8,10
IHP-1	MINI SPLIT SYST NO.1 (INDOOR) (A & B)								
OHP-1	MINI SPLIT SYST NO.1 (OUTDOOR)		208	1	25.0 MCA	3/4"	#8	#10	SEE UNIT PLANS
IHP-2	MINI SPLIT SYST NO.2 (INDOOR) (A & B)								
OHP-2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	18.7 MCA	1/2'	#12	#12	SEE UNIT PLANS
IHP-3	MINI SPLIT SYST NO.3 (INDOOR) (A & B)								
OHP-3	MINI SPLIT SYST NO.3 (OUTDOOR)		208	1	18.7 MCA	1/2'	#12	#12	SEE UNIT PLANS
IHP-4	MINI SPLIT SYST NO.4 (INDOOR)								
OHP-4	MINI SPLIT SYST NO.4 (OUTDOOR)		208	1	18.7 MCA	1/2'	#12	#12	SEE UNIT PLANS
IHP-5	MINI SPLIT SYST NO.5 (INDOOR)								
OHP-5	MINI SPLIT SYST NO.5 (OUTDOOR)		208	1	18.7 MCA	1/2'	#12	#12	SEE UNIT PLANS
4/5 RTU-1	AIR HANDLING UNIT NO.1		208	3	71.6MCA	1-1/4'	#2	#8	M2-1,3,5
RTU-2	AIR HANDLING UNIT NO.2		208	3	31.0 MCA	3/4'	#6	#10	M2-7,9,11
PTAC-1	THRU-WALL AC NO.1	3.5KW	208	1	10.6 MCA	1/2"	#12	#12	REFER TO UNIT PLANS
PTAC-2	THRU-WALL AC NO.2	3.5KW	208	1	12.1 MCA	1/2"	#10	#10	REFER TO UNIT PLANS
5 SF-1	SUPPLY FAN NO.1	12.2KW	208	1		1/2"	#12	#12	M1-35,37
SP-1	SUMP PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	E1-16
RP-1	RECIRC PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	M1-15
RP-2	RECIRC PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	M1-16
BP-1	BOOSTER PUMP NO.1	(2) 5HP	208	3		3/4"	#6	#10	M1-2,4,6
WH-1	WATER HEATER NO.1 (GAS)		120	1		1/2"	#12	#12	M1-13 (PC)
WH-2	WATER HEATER NO.2 (GAS)		120	1		1/2"	#12	#12	M1-13 (PC)
WH-3	WATER HEATER NO.3 (GAS)		120	1		1/2"	#12	#12	M1-14 (PC)
WH-4	WATER HEATER NO.4 (GAS)		120	1		1/2"	#12	#12	M1-14 (PC)

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 / E1.15 BUILDING 'B' LOAD SUMMARY & EQUIPMENT SCHEDULE
SCALE: NONE

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EXPIRES: July 5th, 2020

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PROJECT # 2017-053
DATE: 11/06/2019
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2 PLAN REVIEW 03.13.2020
3 PLAN REVIEW 04.24.2020
4 PLAN REVIEW 08.10.2020
5 PLAN REVIEW 09.17.2020
6 PLAN REVIEW 10.16.2020
8 PLAN REVIEW 11.25.2020
9 PLAN REVIEW 03.26.2021
10 PLAN REVIEW 07.15.2021
12 COORDINATION 08.27.2021
13 COORDINATION 11.05.2021

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

SHEET: E1.15

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'B'	connected load amps
E1	SURFACE	2nd Flr Rm 292	58

voltage	phase	bus & main	calculated load amps
120/208V	3	100A (SCCR: 22K) MLO	61

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
	SPARE	0	20/1	1	*	2	20/1	1500	SMOKE DAMPERS - FLR 1 & 2	5
1	LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	1500	SMOKE DAMPERS - FLR 3 & 4	5
1	LIGHTS - STAIR 1	500	20/1	5	*	6	20/1	1500	SMOKE DAMPERS - FLR 5 & 6	5
1	LIGHTS - STAIR 2	500	20/1	7	*	8	20/1	1500	ELEVATOR PIT LTS & PLUGS	2
1	LIGHTS - FLR 1	673	20/1	9	*	10	20/1	1500	ELEVATOR CAD LIGHTS	1
1	LIGHTS - FLR 2 & 3	424	20/1	11	*	12	20/1	1500	ELEVATOR CONTROLLER (OTIS)	3
1	LIGHTS - FLR 4 & 5	424	20/1	13	*	14	20/1	0	SPARE	
1	LIGHTS - FLR 6	212	20/1	15	*	16	20/1	0	SPARE (ELEVATOR)	3
5	SMOKE CURTAIN	1500	20/1	17		18	20/1	500	GENERATOR BLOCK HEATER	3
5	SMOKE CURTAIN	1500	20/1	19	*	20	20/1	500	GENERATOR BATTERY CHARGER	3
5	AREA OF REFUGE PANEL	1500	20/1	21	*	22	20/1	500	RECEPT - ELEV MACHINE RM	2
	SPARE	0	20/1	23	*	24	20/1	0	SPARE	
5	DAS	500	20/1	25	*	26	20/1	0	SPARE	
5	GENERATOR ANNUNCIATOR	500	20/1	27	*	28	20/1	0	SPARE	
	BLANK			29	*	30			BLANK	
	BLANK			31	*	32			BLANK	
	BLANK			33	*	34			BLANK	
	BLANK			35	*	36			BLANK	
	BLANK			37	*	38			BLANK	
	BLANK			39	*	40			BLANK	
	BLANK			41	*	42			BLANK	

		NOTES:	line-line voltage
Phase A	6424 VA		208
Phase B	8061 VA		largest motor (va)
Phase C	6424 VA		0
Total Connected	20909 VA		

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	924	2885	924	VA	4733	1.25	5916
2. RECEPT.=	1500	500	0	VA	2000	1 + 0.5	2000
3. HEATING=	0	0	500	VA	500	1.00	500
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	4000	3500	5000	VA	12500	1.00	12500
6. MOTORS=	0	1176	0	VA	1176	*	1176
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)					TOTAL =		22092

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'B'	connected load amps
H1	SURFACE	FLR 1 RM 198	126

voltage	phase	bus & main	calculated load amps
120/208V	3	250A (SCCR: 22K) MLO	108

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - SITE/PARKING	1440	20/1	1	*	2	20/1	900	RECEPT - FLR 1	2
1	LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	900	RECEPT - FLR 1 (E. LOBBY)	2
1	LIGHTS - FLR 1 (LOBBY)	1032	20/1	5	*	6	20/1	1500	RECEPT - FLR 1 (OFFICE) *	2
1	LIGHTS - FLR 1 (CORRIDOR)	241	20/1	7	*	8	20/1	1500	RECEPT - FLR 1 (CONFER)	2
1	LIGHTS - FLR 1 (BOH)	1169	20/1	9	*	10	20/1	1080	RECEPT - FLR 1	2
1	LIGHTS - UNIT ENTRIES	500	20/1	11	*	12	20/1	1080	RECEPT - FLR 1	2
1	LIGHTS - FLR 2 & 3 (BOH)	698	20/1	13	*	14	20/1	1260	RECEPT - FLR 1 (W. LOBBY)	2
1	LIGHTS - FLR 2 & 3 (CORRIDOR)	370	20/1	15	*	16	20/1	1500	RECEPT - FLR 1 (FITNESS)	2
	SPARE	0	20/1	17	*	18	20/1	1500	RECEPT - FLR 1 (FITNESS)	2
5	UNIT ENTRY SYSTEM	1500	20/1	19	*	20	20/1	1500	RECEPT - FLR 1 (FITNESS)	2
2	RECEPT - FLR 2	1080	20/1	21	*	22	20/1	1500	RECEPT - FLR 1 (PKG SYSTEM)	
2	RECEPT - FLR 3	1080	20/1	23	*	24	20/1	1500	RECEPT - FLR 1 (OCC SENSOR)	2
3	EH-2 (N. STAIR)	500	20/1	25	*	26	20/1	1500	DRINKING FOUNTAIN	5
3	EH-2 (S. STAIR)	500	20/1	27	*	28	20/1	0	SPARE	
3	EH-4 (RISER)	500	20/1	29	*	30	20/1	0	SPARE	
5	A/V SYSTEM	1500	20/1	31	*	32	20/1	1500	RECEPT - MAINT. RM	2
5	FIREPLACE	500	20/1	33	*	34	20/1	1500	RECEPT - SECURITY	2
1	LTS & PLUGS (TEMP)	1500	20/1	35	*	36	20/1	1500	WALL FANS - FITNESS RM	5
5	DAS SYSTEM	1500	20/1	37	*	38	20/1	1500	WALL FANS - FITNESS RM	5
2	RECEPT - FITNESS	1500	20/1	39	*	40	20/1	1500	RECEPT - FITNESS	2
2	RECEPT - FITNESS	1500	20/1	41	*	42	20/1	1500	RECEPT - FITNESS	2

		NOTES:	line-line voltage
Phase A	17039 VA		208
Phase B	13599 VA	* RECEPTACLES CONTROLLED VIA OCC SENSOR	largest motor (va)
Phase C	14692 VA		0
Total Connected	45330 VA		

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	2379	2039	3032	VA	7450	1.25	9313
2. RECEPT.=	6660	9060	8160	VA	23880	1 + 0.5	16940
3. HEATING=	500	500	500	VA	1500	1.00	1500
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	7500	500	3000	VA	11000	1.00	11000
6. MOTORS=	0	0	0	VA	0	*	0
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)					TOTAL =		38753

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'B'	connected load amps
M1	SURFACE	ELECT. RM 198	171

voltage	phase	bus & main	calculated load amps
120/208V	3	250A (SCCR: 22K) MLO	171

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
6	TRASH COMPACTOR	2100	40/3	1	*	2	50/3	3864	BP-1	6
6	*	2100	*	3	*	4	*	3864	*	6
6	*	2100	*	5	*	6	*	3864	*	6
6	TRASH COMPACTOR	2100	40/3	7	*	8	20/3	1356	FC-1	6
6	*	2100	*	9	*	10	*	1356	*	6
6	*	2100	*	11	*	12	*	1356	*	6
3	WH-1,2 (GAS)	600	20/1	13	*	14	20/1	600	WH-3,4 (GAS)	3
6	RP-1	1176	20/1	15	*	16	20/1	1176	RP-2	6
5	EV CHARGING (FUTURE)		40/2	17	*	18	20/1	500	IRRIGATION CONTROLS	5
5	*		*	19	*	20	20/1	1500	AUTO DOORS	5
5	EV CHARGING (FUTURE)		40/2	21	*	22	20/1	1000	PHONE & COMM BOARDS	5
5	*		*	23	*	24	20/1	500	ACCSESS CONTROL	5
5	EV CHARGING (FUTURE)		40/2	25	*	26	20/3	1500	EH-5 (BIKE RM)	3
5	*		*	27	*	28	*	1500	*	3
2	RECEPT - DATA RM FLR 2	500	20/1	29	*	30	*	1500	*	3
	SPARE		20/1	31	*	32	20/3	1500	EH-5 (TRASH RM)	3
	SPARE		20/1	33	*	34	*	1500	*	3
3	SF-1	6085	60/2	35	*	36	*	1500	*	3
3	*	6085	*	37	*	38	20/1	135	EF-4	6
3	EH-3 (TEMP)	1500	20/2	39	*	40	20/1	1500	BUILDING SIGNS	5
3	*	1500	*	41	*	42	20/1	0	SPARE	

		NOTES:	line-line voltage
Phase A	21340 VA		208
Phase B	18772 VA		largest motor (va)
Phase C	21505 VA		0
Total Connected	61617 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	500	VA	500	1 + 0.5	500
3. HEATING=	10285	4500	10585	VA	25370	1.00	25370
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	1500	2500	1000	VA	5000	1.00	5000
6. MOTORS=	9555	11772	9420	VA	30747	*	30747
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)					TOTAL =		61617

MFIA PANEL SCHEDULE

panel	mounting	location BLDG 'B'	connected load amps
M2	SURFACE	FLR 5 RM 592	216

voltage	phase	bus & main	calculated load amps
120/208V	3	250A (SCCR: 22K) MLO	217

C	service	va	a/p	no.	a b c	no.	a/p	va	service	C
1	LIGHTS - FLR 4 & 5	698	20/1	1	*	2	20/1	1080	RECEPT - FLR 4	2
1	LIGHTS - FLR 6	349	20/1	3	*	4	20/1	1080	RECEPT - FLR 5	2
6	EF-5	696	20/1	5	*	6	20/1	1080	RECEPT - FLR 6	2
6	IAC/OAC-1	2912	30/3	7	*	8	30/3	2912	IAC/OAC-2	6
6	*	2912	*	9	*	10	*	2912	*	6
1	LIGHTS - FLR 4,5 & 6 (CORRIDOR)	555	20/1	11	*	12	20/1	1080	RECEPT - ROOF	2
2	RECEPT - DATA RM FLR 3 & 4	1500	20/1	13	*	14	50/3	3816	HP-1	6
2	RECEPT - DATA RM FLR 5 & 6	1500	20/1	15	*	16	*	3816	*	6
	SPARE	0	20/1	17	*	18	*	3816	*	6
6	RTU-1	8592	90/3	19	*	20	50/3	3720	RTU-2	6
6	*	8592	*	21	*	22	*	3720	*	6
6	*	8592	*	23	*	24	*	3720	*	6
6	EF-8	1176	20/1	25	*	26	20/2	718	EF-12	6
6	EF-9	718	20/2	27	*	28	*	718	*	6
6	*	718	*	29	*	30	20/1	1176	EF-13	6
6	EF-10	1176	20/1	31	*	32	20/1	500	EF-7 (XS) (RM 694 & 695)	6
6	EF-11	1176	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	28800 VA		208
Phase B	27493 VA		largest motor (va)
Phase C	21433 VA		0
Total Connected	77726 VA		

load code:	ph. A	ph. B	ph. C		total	factor	calculated load (va)
1. LIGHTS=	698	349	555	VA	1602	1.25	2003
2. RECEPT.=	2580	2580	2160	VA	7320	1 + 0.5	7320
3. HEATING=	0	0	0	VA	0	1.00	0
4. KITCHEN=	0	0	0	VA	0	1.00	0
5. EQUIP.=	0	0	0	VA	0	1.00	0
6. MOTORS=	25522	24564	18718	VA	68804	*	68804
7. MISC=	0	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)					TOTAL =		78127

1 / E1.16 BUILDING 'B' PANEL SCHEDULES
SCALE: NONE

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ROBERT L. CONNELL — STATE OF WASHINGTON — 30653 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES: July 5th, 2020

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SHEET: E1.16

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DWELLING UNIT LOAD CALCULATION

Project: Aegis I

Unit Type: Studio

Area: 540 square feet(average)

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	1,620	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	8,000	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	21,220	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	4,488	VA
Net "general load"	14,488	VA
Largest of: VA of electric space heating (less than 4) at 65%	0	VA
–or– VA of electric space heating (4 or more) at 40%	0	VA
–or– 2500 VA of air conditioning/cooling/heat pumps at 100%	2,500	VA
TOTAL LOAD	16,988	VA

For 120/208–volt, 4–wire, three–phase service or feeder,
16,988 VA / 208 volts = 82 Amps

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

MFIA CIRCUIT DIRECTORY 05-Nov-21

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

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

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

RFI 87, RFI 66, RFI 121, RFI 67

DWELLING UNIT LOAD CALCULATION

Project: Aegis I

Unit Type: 1Bedroom

Area: 750 square feet(average)

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	2,250	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	8,000	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	21,850	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	4,740	VA
Net "general load"	14,740	VA
Largest of: 1,500 VA of electric space heating (less than 4) at 65%	975	VA
–or– VA of electric space heating (4 or more) at 40%	0	VA
–or– 3200 VA of air conditioning/cooling/heat pumps at 100%	3,200	VA
TOTAL LOAD	18,915	VA

For 120/208–volt, 4–wire, three–phase service or feeder,
18,915 VA / 208 volts = 91 Amps

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

MFIA CIRCUIT DIRECTORY 05-Nov-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	15/1(A)	1	*		2	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - BATH	20/1(AG)	3		*	4	20/1(AG)	APPLIANCE CIRCUIT
LTS & RECEPT - BEDROOM	15/1(A)	5	*		6	20/1(AG)	REFRIGERATOR
RECEPT - LIVING	15/1(A)	7		*	8	20/1(AG)	MICRO/HOOD
BLANK	----	9	*		10	20/1(AG)	RANGE (GAS)
BLANK	----	11		*	12	----	BLANK
WASHER	20/1(AG)	13	*		14	20/1(AG)	DISHWASHER (WHERE USED)
DRYER	30/2(A)	15		*	16	20/1(AG)	DISPOSAL
*	*	17	*		18	20/2	HEAT
WATER METER	15/1(A)	19		*	20	*	*
SMART PANEL	20/1(A)	21	*		22	20/2	HEAT (WHERE USED)
BLANK	----	23		*	24	*	*
BLANK	----	25	*		26	----	BLANK
BLANK	----	27		*	28	----	BLANK
BLANK	----	29	*		30	----	BLANK

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

RFI 87, RFI 66, RFI 121, RFI 67

DWELLING UNIT LOAD CALCULATION

Project: Aegis I

Unit Type: 2Bedroom

Area: 985 square feet(average)

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	2,955	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	8,000	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	3,500	VA
Electric Water Heater Load	0	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	22,555	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	5,022	VA
Net "general load"	15,022	VA
Largest of: VA of electric space heating (less than 4) at 65%	0	VA
–or– VA of electric space heating (4 or more) at 40%	0	VA
–or– 8750 VA of air conditioning/cooling/heat pumps at 100%	8,750	VA
TOTAL LOAD	23,772	VA

For 120/208–volt, 4–wire, three–phase service or feeder,
23,772 VA / 208 volts = 114 Amps

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

MFIA CIRCUIT DIRECTORY 05-Nov-21

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

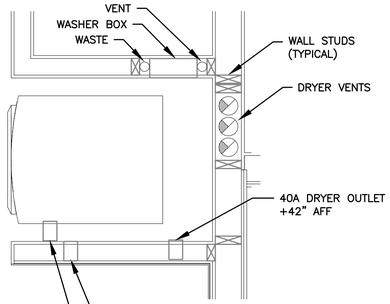
service	a/p	no.	L1	L2	no.	a/p	service
LIGHTS-KITCHEN/LIVING	15/1(A)	1	*		2	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - BATH	20/1(AG)	3		*	4	20/1(AG)	APPLIANCE CIRCUIT
RECEPT - LIVING	15/1(A)	5	*		6	20/1(AG)	REFRIGERATOR
RECEPT - LIVING	15/1(A)	7		*	8	20/1(AG)	MICRO/HOOD
LTS & RECEPT - BEDROOM	15/1(A)	9	*		10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

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

RFI 87, RFI 66, RFI 53, RFI 121, RFI 67

TYPICAL RESIDENTIAL UNIT LOAD SUMMARY & LOAD CENTER SCHEDULES

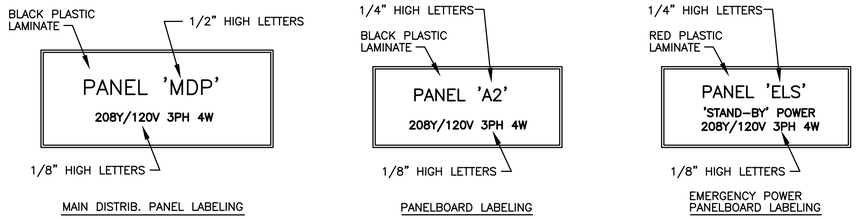
1 / E1.17 SCALE: NONE



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.

1 / 2 / E1.17 TYPICAL WASHER/DRYER ALCOVE — NO SCALE



1 / 3 / E1.17 SWITCHBOARD/PANEL LABELING DETAIL — NO SCALE

NOTE: ALL LETTERS ARE ENGRAVED WHITE

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SHEET: E1.17

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S_{Da} DIMMER SWITCH 'a': LOBBY & CORRIDOR C3 FIXTURES–NORMAL POWER CIRCUIT. CONTROL VIA TIMECLOCK ON 6AM – 10PM. 1

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

S_{Dc} DIMMER SWITCH 'c': EAST LOBBY LF14 FIXTURES. CONTROL VIA TIMECLOCK ON 6AM – 10PM. 1

S_{Dd} DIMMER SWITCH 'd': MAIL ROOM LF2 FIXTURES. FIXTURES TO BE CONSTANT "ON". 1

S_{De} DIMMER SWITCH 'e': EAST LOBBY ACCENT LIGHTS C1a, C1B, LF4, LF16 & FIXTURES MENTIONED IN SHEET NOTES #3 & #12 IN SHEET E2.01. FIXTURES TO BE CONSTANT "ON".

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

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

NO SCALE

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

S_{Da} DIMMER SWITCH 'a': CORRIDOR C3 LIGHTS–EMERG POWER CIRCUIT, REFER TO WIRING DETAIL 4, SHEET E1.22. FIXTURES TO BE CONSTANT "ON". 1

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

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

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

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

S_{Df} DIMMER SWITCH 'f': CORRIDOR C3 LIGHTS–NORMAL POWER CIRCUIT, REFER TO WIRING DETAIL 4, SHEET E1.22. FIXTURES TO BE CONSTANT "ON". 1

2 E1.23 TYPICAL RESIDENTIAL FLOOR LIGHTING CONTROLS

TYPICAL FOR BUILDINGS A & B

NOTES:
1. SWITCHES LOCATED IN THE MAINTENANCE CLOSET AT EACH FLOOR.

S_{3a} NON–DIMMING SWITCH 'a': KITCHEN LIGHTS, OTHER THAN THOSE NOTED TO BE ON EGRESS POWER. PROVIDE ONE 3–WAY SWITCH AT ENTRY DOOR AND ONE IN THE KITCHEN AREA.

S_{Db} DIMMER SWITCH 'b': WALL SCONCES (LF9 & LF16), LARGE PENDANTS (LF8), & ADJUSTABLE DOWNLIGHTS (C5). 1

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

3 E1.23 BUILDING A – FIFTH FLOOR CLUBROOM LIGHTING CONTROLS

NO SCALE

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

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

4 E1.23 BUILDING A – SIXTH FLOOR LIGHTING CONTROLS

NO SCALE

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

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

S_{Db} DIMMER SWITCH 'b': LOBBY & CORRIDOR C1, C3 & LF2 FIXTURES–EMERG POWER CIRCUIT (REFER TO WIRING DETAIL 4, SHEET E1.22.). FIXTURES TO BE CONSTANT "ON" FOR NIGHT LIGHTING.

S_{Dc} DIMMER SWITCH 'c': LOBBY C3, LF5 & LF14 FIXTURES. (DIM ONLY. INTENT IS TO SET LIGHT LEVEL AND LEAVE ON.) 1

S_{Dd} DIMMER SWITCH 'd': LOBBY C5 LF6 FIXTURES. (DIM ONLY. INTENT IS TO SET LIGHT LEVEL AND LEAVE ON.)

S_{De} DIMMER SWITCH 'e': MAIL ROOM LF2 FIXTURES. FIXTURES TO BE CONSTANT "ON".

1

5 E1.23 BUILDING B – FIRST FLOOR LIGHTING CONTROLS

NO SCALE

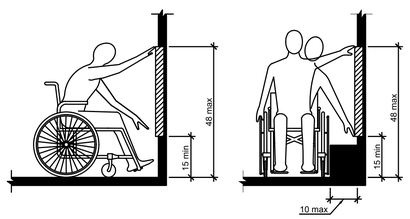


Figure 308.2.1
Unobstructed Forward Reach

Figure 308.3.1
Unobstructed Side Reach

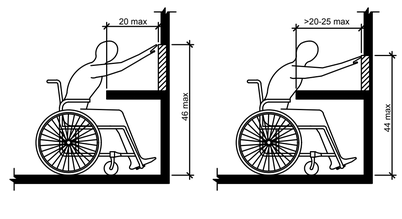


Figure 308.2.2
Obstructed High Forward Reach

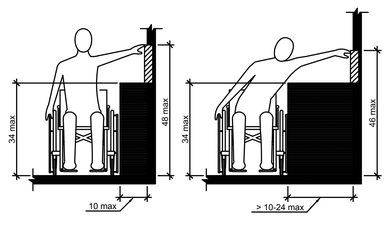


Figure 308.3.2
Obstructed High Side Reach

1

6 E1.23 ADA REACH REQUIREMENTS

NO SCALE

308.2 Forward Reach.

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

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

308.3 Side Reach.

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

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

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

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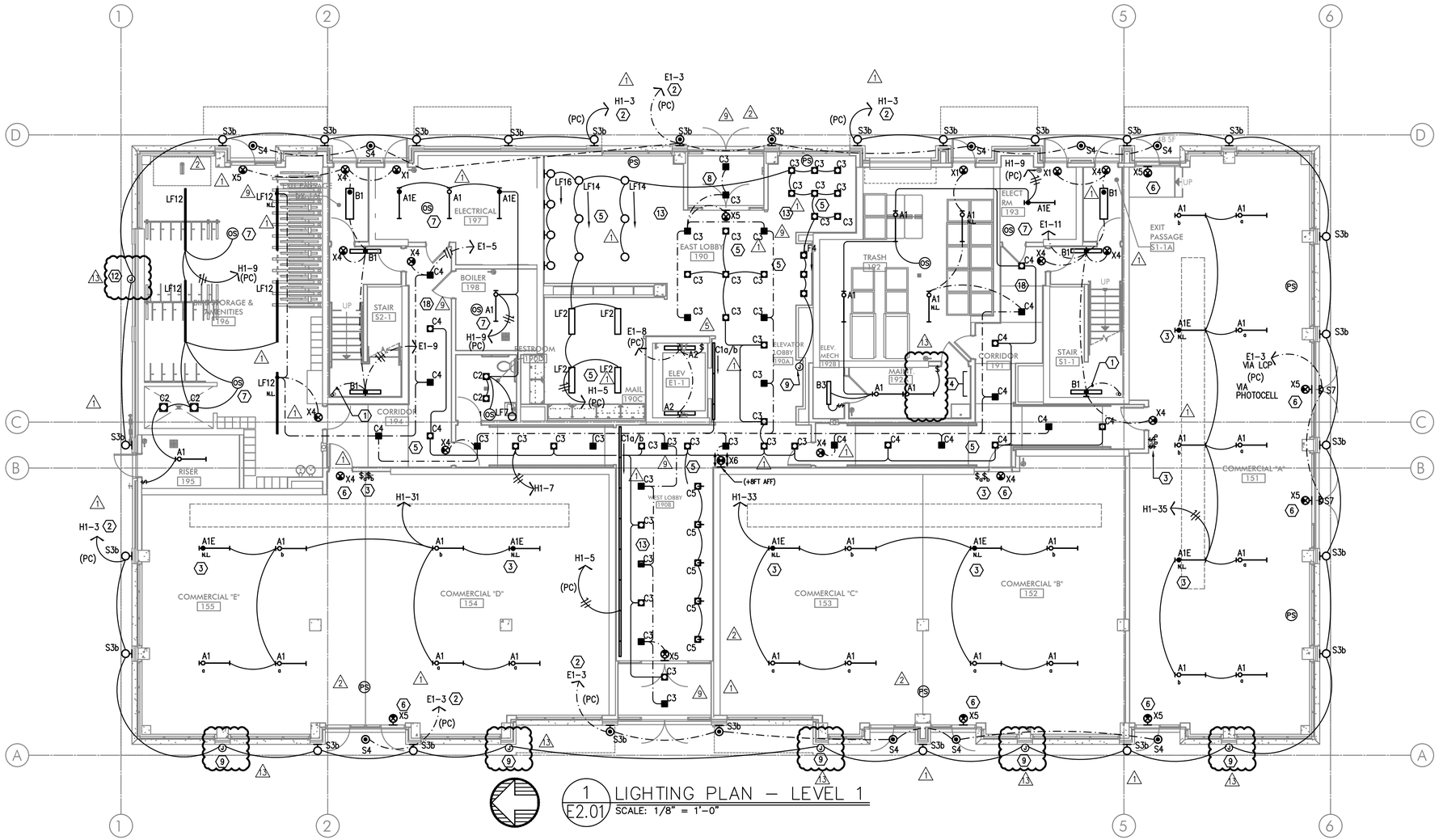
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E1.23



1 E2.01 LIGHTING PLAN – LEVEL 1
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.

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

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

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

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

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

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

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

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

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

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

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

⬡ KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
4. △1 LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. △1 LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. △3 △9 PROVIDE J-BOXES; ONE MOUNTED AT 50.5" AFG AND ONE AT 69.5" AFG FOR LIGHT FIXTURES TO BE INSTALLED FOR ART INSTALLATIONS. CIRCUIT AS SHOWN.
10. △1 REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
11. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
12. △3 △9 △2 PROVIDE J-BOX(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND POWER REQUIREMENTS.
13. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
14. △1 TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.
15. △6 TIE INTO 5TH FLOOR CORRIDOR CIRCUITS. SEE DETAIL 4 ON SHEET E1.23 FOR CONTROLS LOCATED IN THE 6TH FLOOR MAINTENANCE ROOM.
16. △2 △13 EGRESS LIGHT FIXTURES TO BE CONSTANT 'ON' AND FAIL SAFE TO FULL LIGHT OUTPUT IN THE EVENT OF A POWER OUTAGE. TIE FIXTURES INTO CORRIDOR EGRESS CIRCUIT. SEE DETAIL 4 ON E1.23.
17. COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH IN.
18. CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.

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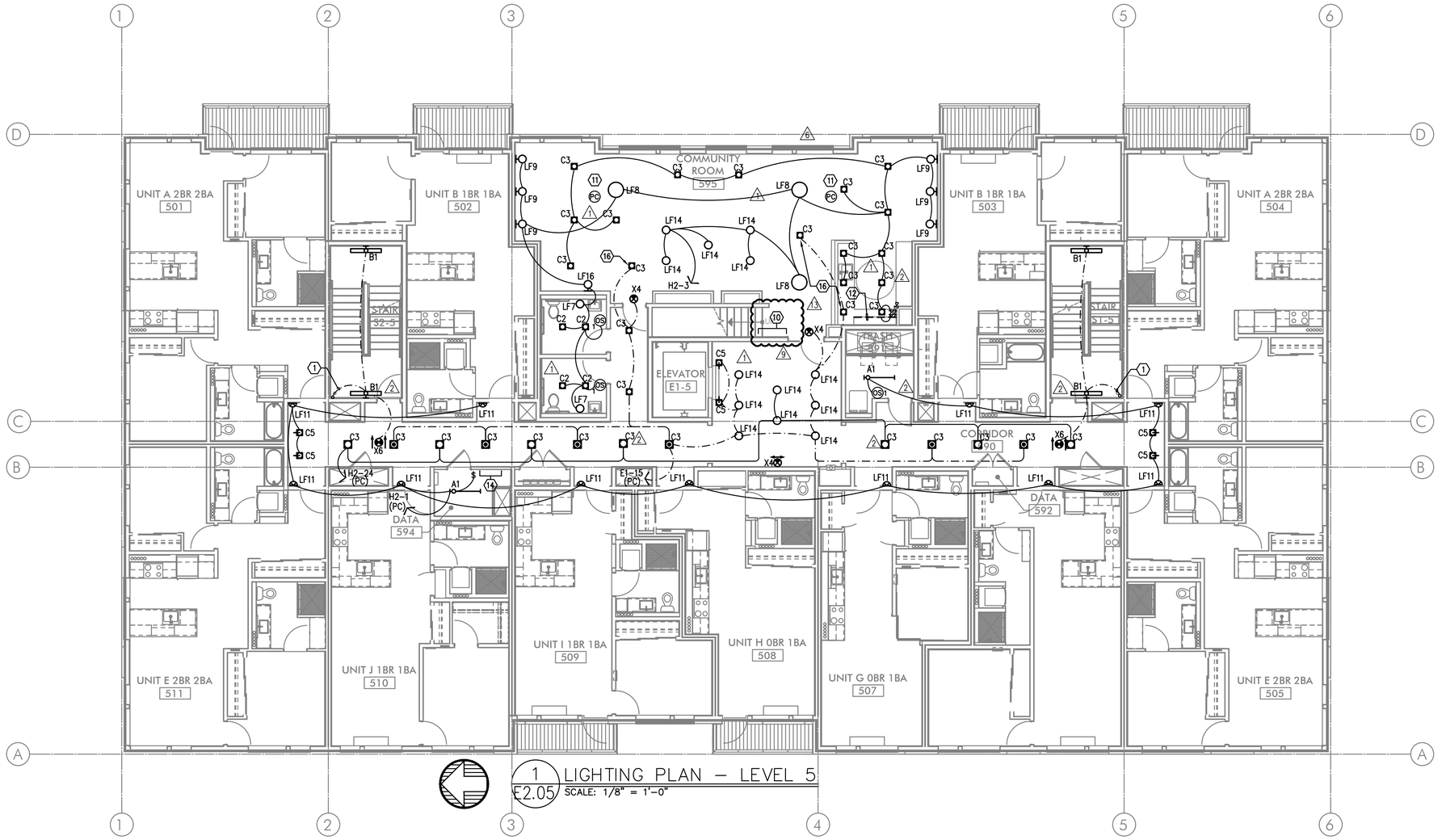
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12 COORDINATION 08.27.2021
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E2.01



1 LIGHTING PLAN – LEVEL 5
E2.05 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.

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

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

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

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

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

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

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

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

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

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

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

⬡ KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL

△1 4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.

5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.

△1 7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.

8. FIXTURE FINISH TO MATCH SOFFIT METAL.

△3 △3 9. PROVIDE J-BOXES; ONE MOUNTED AT 50.5" AFG AND ONE AT 69.5" AFG FOR LIGHT FIXTURES TO BE INSTALLED FOR ART INSTALLATIONS. CIRCUIT AS SHOWN.

△1 10. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.

11. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.

△3 △3 △2 12. PROVIDE J-BOX(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND POWER REQUIREMENTS.

13. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.

△1 14. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.

△6 15. TIE INTO 5TH FLOOR CORRIDOR CIRCUITS. SEE DETAIL 4 ON SHEET E1.23 FOR CONTROLS LOCATED IN THE 6TH FLOOR MAINTENANCE ROOM.

△2 △3 16. EGRESS LIGHT FIXTURES TO BE CONSTANT 'ON' AND FAIL SAFE TO FULL LIGHT OUTPUT IN THE EVENT OF A POWER OUTAGE. TIE FIXTURES INTO CORRIDOR EGRESS CIRCUIT. SEE DETAIL 4 ON E1.23.

17. COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH IN.

18. CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.

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ROBERT L. CONNELL — STATE OF WASHINGTON — 36853 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES: July 5th, 2020

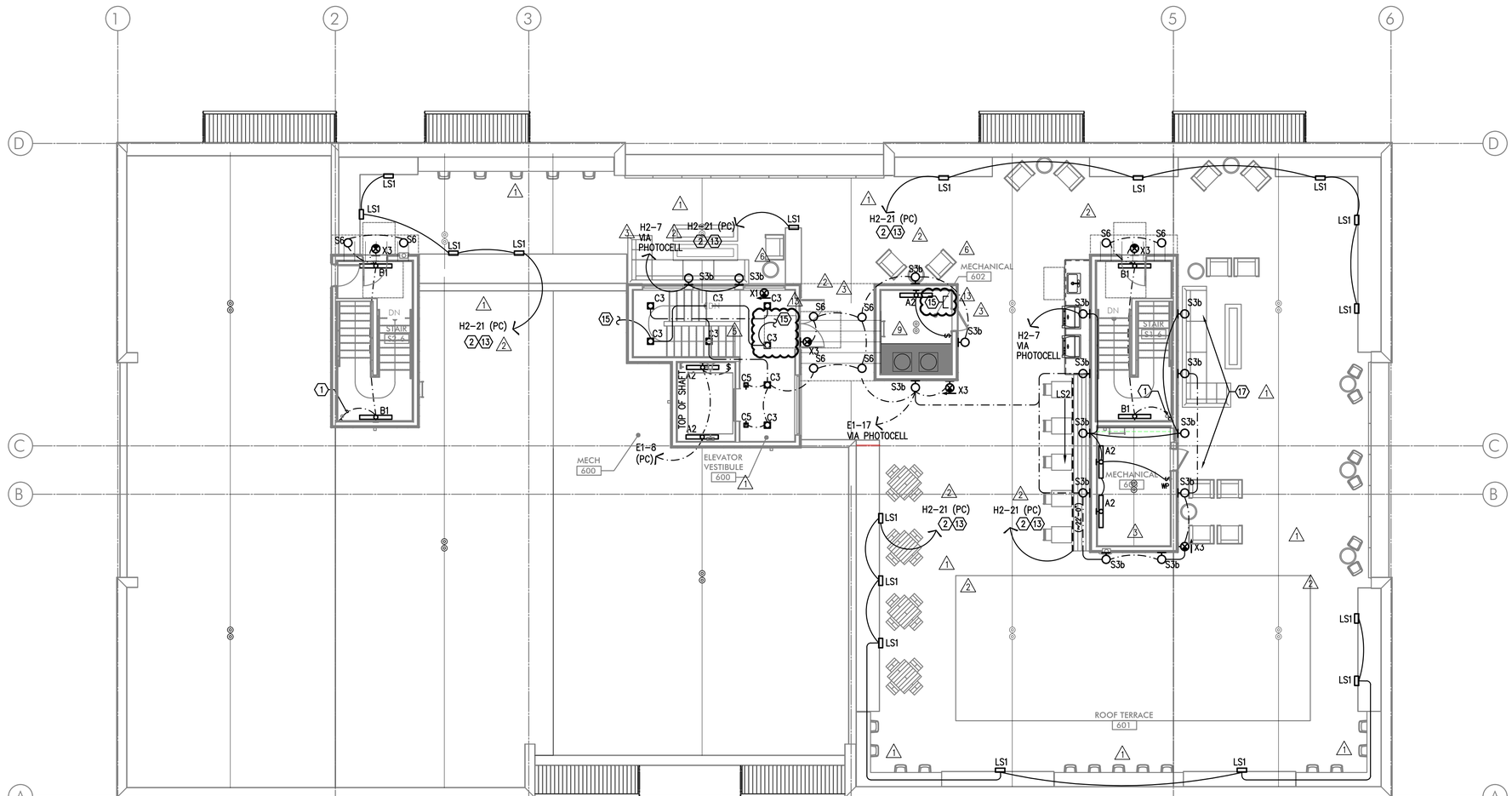
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1 LIGHTING PLAN – ROOF LEVEL
E2.06 SCALE: 1/8" = 1'-0"

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.

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

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

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

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

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

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

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

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

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

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

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

⬡ KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
3. LEASE SPACE LIGHTING TO HAVE DUAL SWITCHES. ONE TO CONTROL NORMAL POWER LIGHTS AND ONE TO ACT AS A MANUAL OVERRIDE FOR NIGHT LIGHT FIXTURES (NL). INTENT IS THAT THE NIGHT LIGHTS ARE TO BE "ON" 24/7 AND ONLY ILLUMINATED AT NIGHT VIA PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. NIGHT LIGHT FIXTURES SHALL ALSO BE EQUIPPED WITH EMERGENCY BATTERY BACKUP IN THE EVENT OF A POWER FAILURE. ALL LIGHT FIXTURES IN THE LEASE SPACE ARE TO BE ON A SINGLE CIRCUIT AND TEMPORARILY FED FROM THE HOUSE PANEL
△1 4. LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
△1 7. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
△3 △9 9. PROVIDE J-BOXES; ONE MOUNTED AT 50.5" AFG AND ONE AT 69.5" AFG FOR LIGHT FIXTURES TO BE INSTALLED FOR ART INSTALLATIONS. CIRCUIT AS SHOWN.
△1 10. REFER TO DETAIL #3, SHEET E1.23 FOR CLUBROOM LIGHTING CONTROL ASSIGNMENT.
11. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
△3 △9 △2 12. PROVIDE J-BOX(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND POWER REQUIREMENTS.
13. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
△1 14. TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.
△6 15. TIE INTO 5TH FLOOR CORRIDOR CIRCUITS. SEE DETAIL 4 ON SHEET E1.23 FOR CONTROLS LOCATED IN THE 6TH FLOOR MAINTENANCE ROOM.
△2 △3 16. EGRESS LIGHT FIXTURES TO BE CONSTANT 'ON' AND FAIL SAFE TO FULL LIGHT OUTPUT IN THE EVENT OF A POWER OUTAGE. TIE FIXTURES INTO CORRIDOR EGRESS CIRCUIT. SEE DETAIL 4 ON E1.23.
17. COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH IN.
18. CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.

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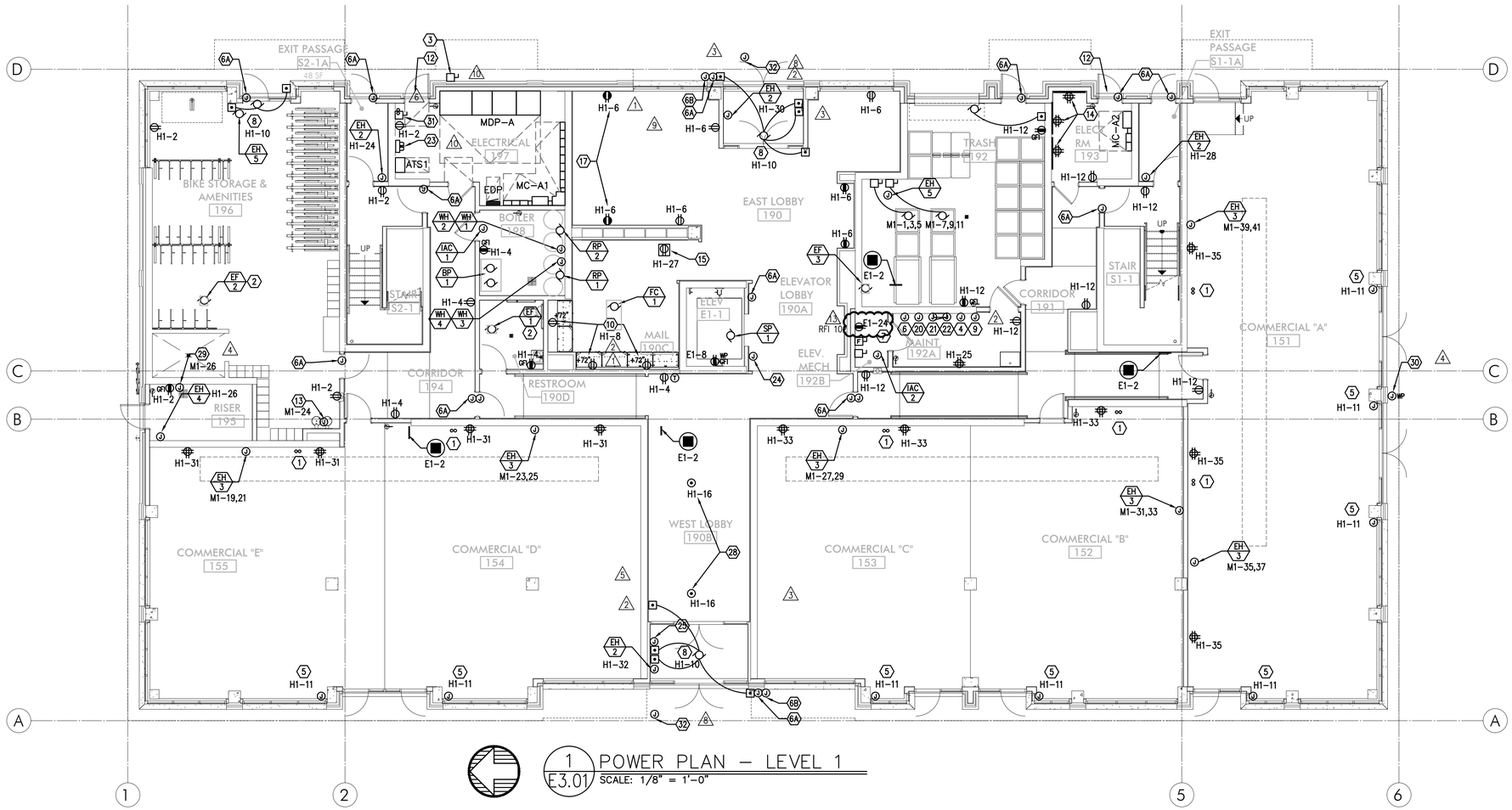
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1 E3.01 POWER PLAN – LEVEL 1
SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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

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

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

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

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

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

J. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

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.

△6 L. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC-A2 IN CEILING ABOVE AND STUBBED INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 23.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR TENANT BUILDING SIGNS. CIRCUIT AS INDICATED VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 22 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

6A. ENTRY ACCESS POINT.

6B. APARTMENT CALL DIRECTORY.

7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 10 FOR AUTOMATIC DOOR OPENERS.

△2 9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL H1, CKT 29 FOR DAS SYSTEM.

10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.

△2 11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H2, CKT 15. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.

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 M1, CKT 24. 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 'H1' SCHEDULE ON E1.13 FOR CIRCUITS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.

△8 16. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.

17. PROVIDE RECEPTACLE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.

18. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 18 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.

△3 19. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL H2, CKT 19.

20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 15 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 27 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 19 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

△10 △9 23. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER.

△3 RFI 102 24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1.

25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS. COORDINATE EXACT LOCATION WITH THE SYSTEM INSTALLER.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM.

△6 28. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.

△4 29. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'H1' FOR LANDSCAPE LIGHTING EQUIPMENT CONNECTION. REFER TO E1.02 FOR MORE INFORMATION. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

△6 31. PROVIDE TWO 1-1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.

△6 32. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 40 TO J-BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.

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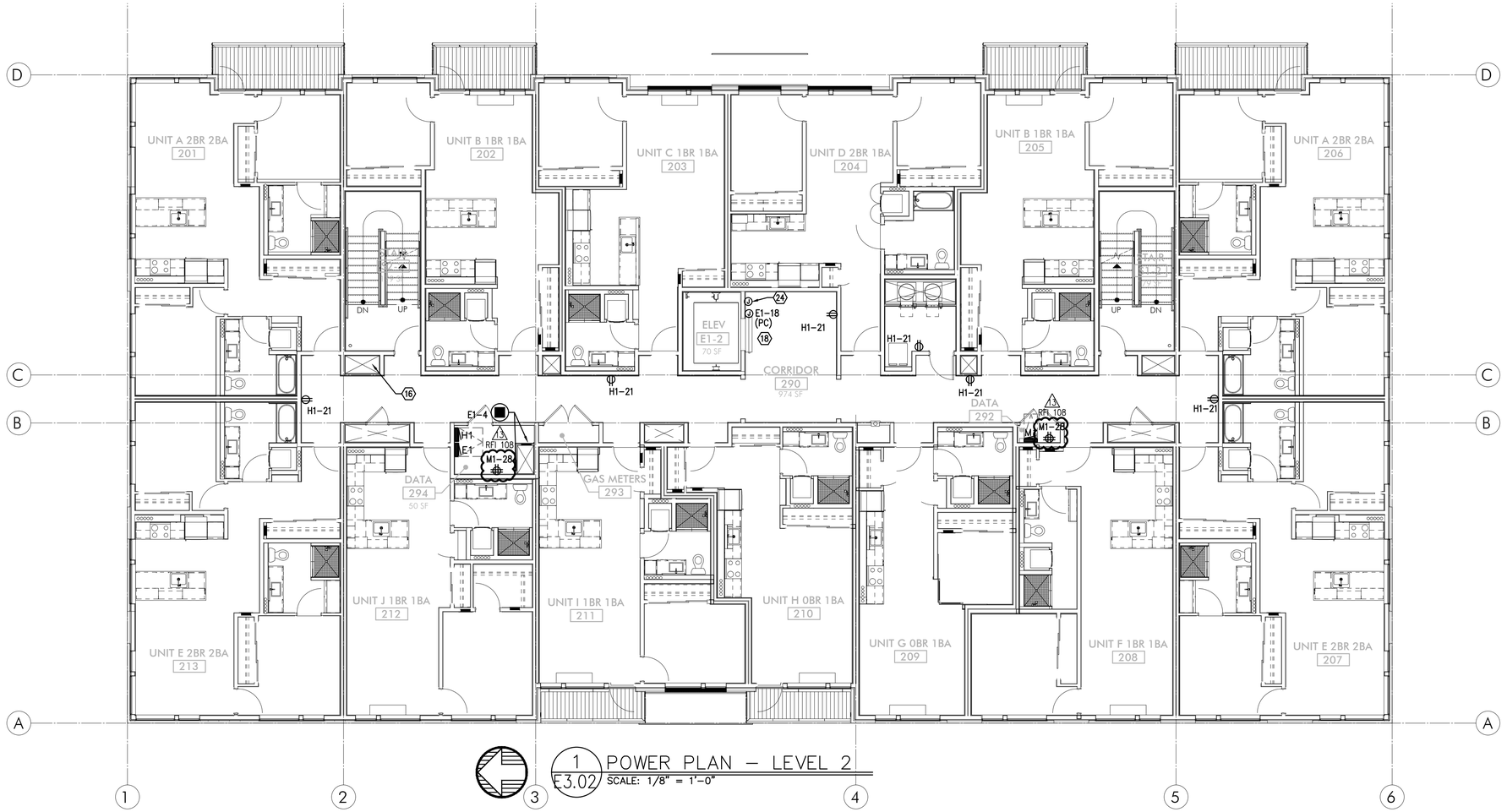
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E3.01



1 POWER PLAN – LEVEL 2
E3.02 SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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

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

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

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

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

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

J. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

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.

△6 L. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC–A2 IN CEILING ABOVE AND STUBBED INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE–LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 23.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR TENANT BUILDING SIGNS. CIRCUIT AS INDICATED VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 22 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

6A. ENTRY ACCESS POINT.

6B. APARTMENT CALL DIRECTORY.

7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 10 FOR AUTOMATIC DOOR OPENERS.

△2 9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL H1, CKT 29 FOR DAS SYSTEM.

10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.

△2 11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H2, CKT 15. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.

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 M1, CKT 24. 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 'H1' SCHEDULE ON E1.13 FOR CIRCUITS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.

△8 16. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.

17. PROVIDE RECEPTACLE WITH TYPES A & C USB PORTS, LEVITON T5633–T OR APPROVED EQUAL.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 18 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.

△9 19. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL H2, CKT 19.

20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 15 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 27 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 19 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

△10 △9 23. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER.

△3 RFI 102 24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1.

25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS. COORDINATE EXACT LOCATION WITH THE SYSTEM INSTALLER.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM.

△8 28. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.

△4 29. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'H1' FOR LANDSCAPE LIGHTING EQUIPMENT CONNECTION. REFER TO E1.02 FOR MORE INFORMATION. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

△6 31. PROVIDE TWO 1–1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.

△8 32. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 40 TO J–BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.

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REGISTERED PROFESSIONAL ENGINEER
EXPIRES: July 5th, 2020

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

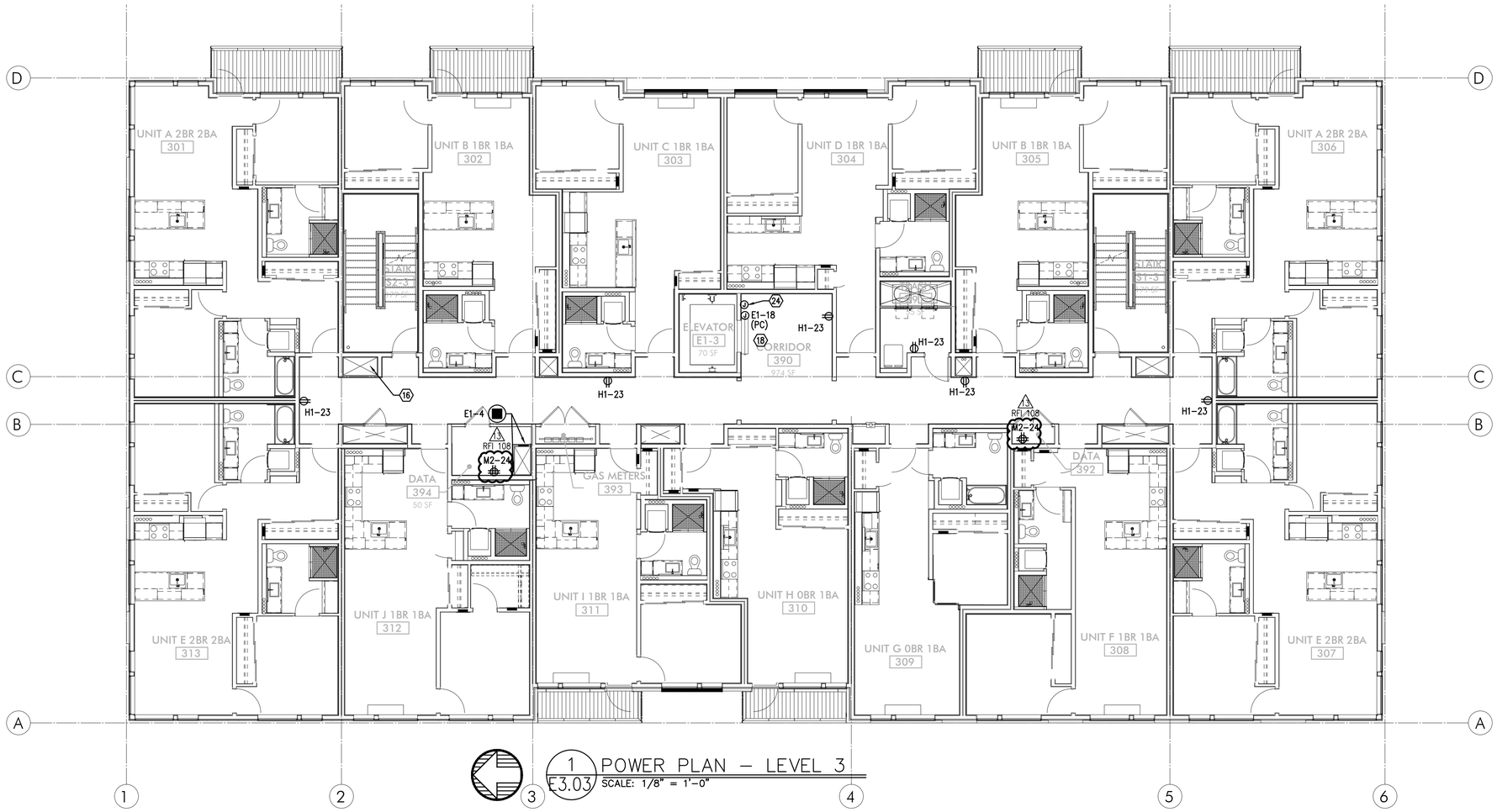
PROJECT # 2017-053
DATE: 11/06/2019

REVISIONS
1 PLAN REVIEW 01.24.2020
2 PLAN REVIEW 03.13.2020
3 PLAN REVIEW 04.24.2020
4 PLAN REVIEW 08.10.2020
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6 PLAN REVIEW 10.16.2020
7 PLAN REVIEW 11.25.2020
8 PLAN REVIEW 03.26.2021
9 PLAN REVIEW 07.15.2021
10 COORDINATION 08.27.2021
11 COORDINATION 11.05.2021

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E3.02

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1 E3.03 POWER PLAN – LEVEL 3
SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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

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

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

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

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

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

J. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

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.

△6 L. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC–A2 IN CEILING ABOVE AND STUBBED INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE–LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 23.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR TENANT BUILDING SIGNS. CIRCUIT AS INDICATED VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 22 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

6A. ENTRY ACCESS POINT.

6B. APARTMENT CALL DIRECTORY.

7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 10 FOR AUTOMATIC DOOR OPENERS.

△2 9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL H1, CKT 29 FOR DAS SYSTEM.

10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.

△2 11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H2, CKT 15. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.

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 M1, CKT 24. 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 'H1' SCHEDULE ON E1.13 FOR CIRCUITS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.

△8 16. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.

17. PROVIDE RECEPTACLE WITH TYPES A & C USB PORTS, LEVITON T5633–T OR APPROVED EQUAL.

18. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 18 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.

△9 19. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL H2, CKT 19.

20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 15 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 27 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 19 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

△10 △9 23. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER.

△3 RFI 102 24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1.

25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS. COORDINATE EXACT LOCATION WITH THE SYSTEM INSTALLER.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM.

△8 28. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.

△4 29. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'H1' FOR LANDSCAPE LIGHTING EQUIPMENT CONNECTION. REFER TO E1.02 FOR MORE INFORMATION. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

△6 31. PROVIDE TWO 1–1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.

△8 32. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 40 TO J–BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.

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REGISTERED
PROFESSIONAL ENGINEER
EXPIRES: July 5th, 2020

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

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SHEET:
A
E3.03

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1 POWER PLAN – LEVEL 4
E3.04 SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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

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

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

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

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

J. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

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.

△6 L. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC-A2 IN CEILING ABOVE AND STUBBED INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 23.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR TENANT BUILDING SIGNS. CIRCUIT AS INDICATED VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 22 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

6A. ENTRY ACCESS POINT.

6B. APARTMENT CALL DIRECTORY.

7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 10 FOR AUTOMATIC DOOR OPENERS.

△2 9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL H1, CKT 29 FOR DAS SYSTEM.

10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.

△2 11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H2, CKT 15. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.

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 M1, CKT 24. 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 'H1' SCHEDULE ON E1.13 FOR CIRCUITS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.

△8 16. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.

17. PROVIDE RECEPTACLE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.
18. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 18 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.

△9 19. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL H2, CKT 19.

20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 15 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 27 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 19 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

△10 △9 23. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER.

△3 RFI 102 24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1.

25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS. COORDINATE EXACT LOCATION WITH THE SYSTEM INSTALLER.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM.

△6 28. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.

△4 29. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'H1' FOR LANDSCAPE LIGHTING EQUIPMENT CONNECTION. REFER TO E1.02 FOR MORE INFORMATION. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

△6 31. PROVIDE TWO 1-1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.

△8 32. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 40 TO J-BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.

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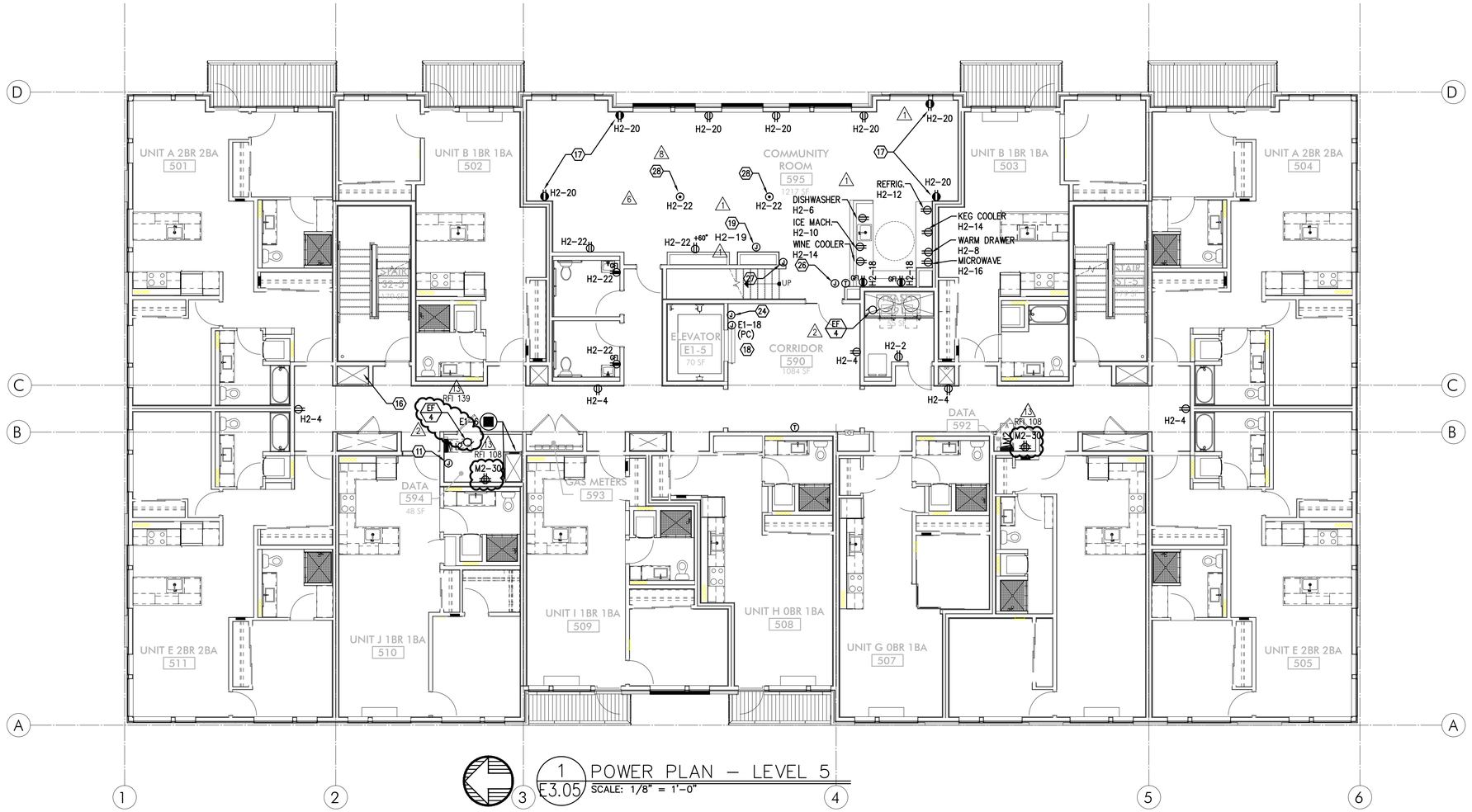
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1 POWER PLAN – LEVEL 5
E3.05 SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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

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

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

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

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

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

J. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

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.

△6 L. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC-A2 IN CEILING ABOVE AND STUBBED INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. CONTINUOUS OPERATING EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 23.
5. PROVIDE ONE 20A,120V, 1P POWER CONNECTION FOR TENANT BUILDING SIGNS. CIRCUIT AS INDICATED VIA LIGHTING CONTROL PANEL. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 22 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

6A. ENTRY ACCESS POINT.

6B. APARTMENT CALL DIRECTORY.

7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 10 FOR AUTOMATIC DOOR OPENERS.

△2 9. PROVIDE ONE 20A, 120V, 1P DEDICATED CIRCUIT FROM PANEL H1, CKT 29 FOR DAS SYSTEM.

10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF. CIRCUIT AS INDICATED.

△2 11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H2, CKT 15. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.

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 M1, CKT 24. 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 'H1' SCHEDULE ON E1.13 FOR CIRCUITS.
15. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION. CIRCUIT AS INDICATED.

△8 16. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.

17. PROVIDE RECEPTACLE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.

18. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 18 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.

△9 19. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL H2, CKT 19.

20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 15 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 27 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 19 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

△10 △9 23. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER.

△3 RFI 102 24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1.

25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS. COORDINATE EXACT LOCATION WITH THE SYSTEM INSTALLER.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM.

△6 28. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.

△4 29. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'H1' FOR LANDSCAPE LIGHTING EQUIPMENT CONNECTION. REFER TO E1.02 FOR MORE INFORMATION. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

△6 31. PROVIDE TWO 1-1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.

△8 32. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 40 TO J-BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.

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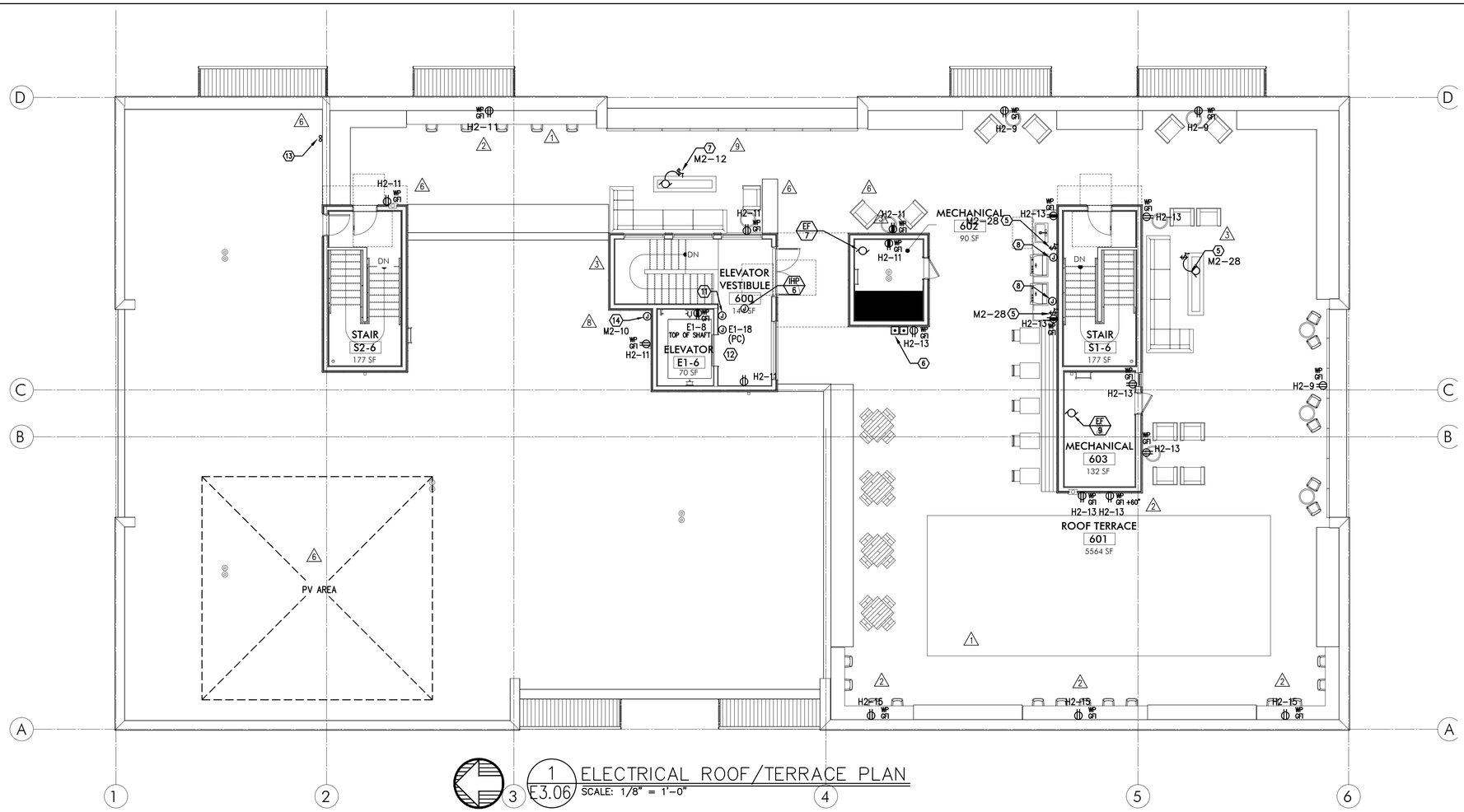
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1 E3.06 ELECTRICAL ROOF/TERRACE PLAN
SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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

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

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

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

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

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

J. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

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.

△6 L. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

⬡ KEYED NOTES:

1. HEAT PUMP UNITS TO BE INTERCONNECTED WITH A CORRESPONDING APARTMENT FAN COIL UNIT. REFER TO TYPICAL UNIT PANEL SCHEDULES ON E1.17 FOR CIRCUITING INFO. COORDINATE WITH THE MECHANICAL EQUIPMENT INSTALLER FOR EXACT POWER REQUIREMENTS AND LOCATIONS PRIOR TO ROUGH IN. FOR ADDITIONAL INFORMATION, CONSULT THE MECHANICAL PLAN SHEETS.
2. NOT USED.
3. ELECTRICAL CONTRACTOR TO COORDINATE WITH LANDSCAPE PROVIDER FOR EXACT LOCATION OF POWER CONNECTIONS AS REQUIRED FOR LANDSCAPE IRRIGATION AND SHALL BE CIRCUITED VIA CIRCUIT H2–19.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GAS FIREPLACE. CONSULT WITH MECHANICAL CONTRACTOR FOR EXACT WIRING REQUIREMENTS PRIOR TO ROUGH IN. CONSULT INTERIOR DECORATOR FOR EXACT LOCATION OF CONTROL SWITCH(ES) IF REQUIRED.
△9 5. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX FOR GAS GRILL CONTROLS. CIRCUIT FROM PANEL 'M2'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF–OFF DIAGRAM.
6. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'H2'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF–OFF DIAGRAM. PROVIDE WEATHER PROOF LABEL EACH BUTTON WITH DEVICE IT CONTROLS.
△9 △2 7. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX FOR FIRE PIT IGNITER CONTROLS. CIRCUIT FROM PANEL 'M2'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF–OFF DIAGRAM.
8. THE CONTRACTOR TO PROVIDE TWO(2) WEATHER PROOF J–BOXES BELOW GRILL COUNTER FOR FUTURE USE. EACH TO BE FED WITH ONE 20A, 120V CIRCUIT RESERVED IN PANEL 'M2'.
9. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
10. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM.
11. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED.
12. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 18 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.
△1 △6 13. CONDUIT STUB–UPS FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. REFER TO ONE–LINE DIAGRAM FOR ADDITIONAL INFORMATION AND COORDINATE WITH SYSTEM INSTALLER FOR EXACT LOCATION. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.
△8 14. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M2' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND LOCATION PRIOR TO ROUGH IN.

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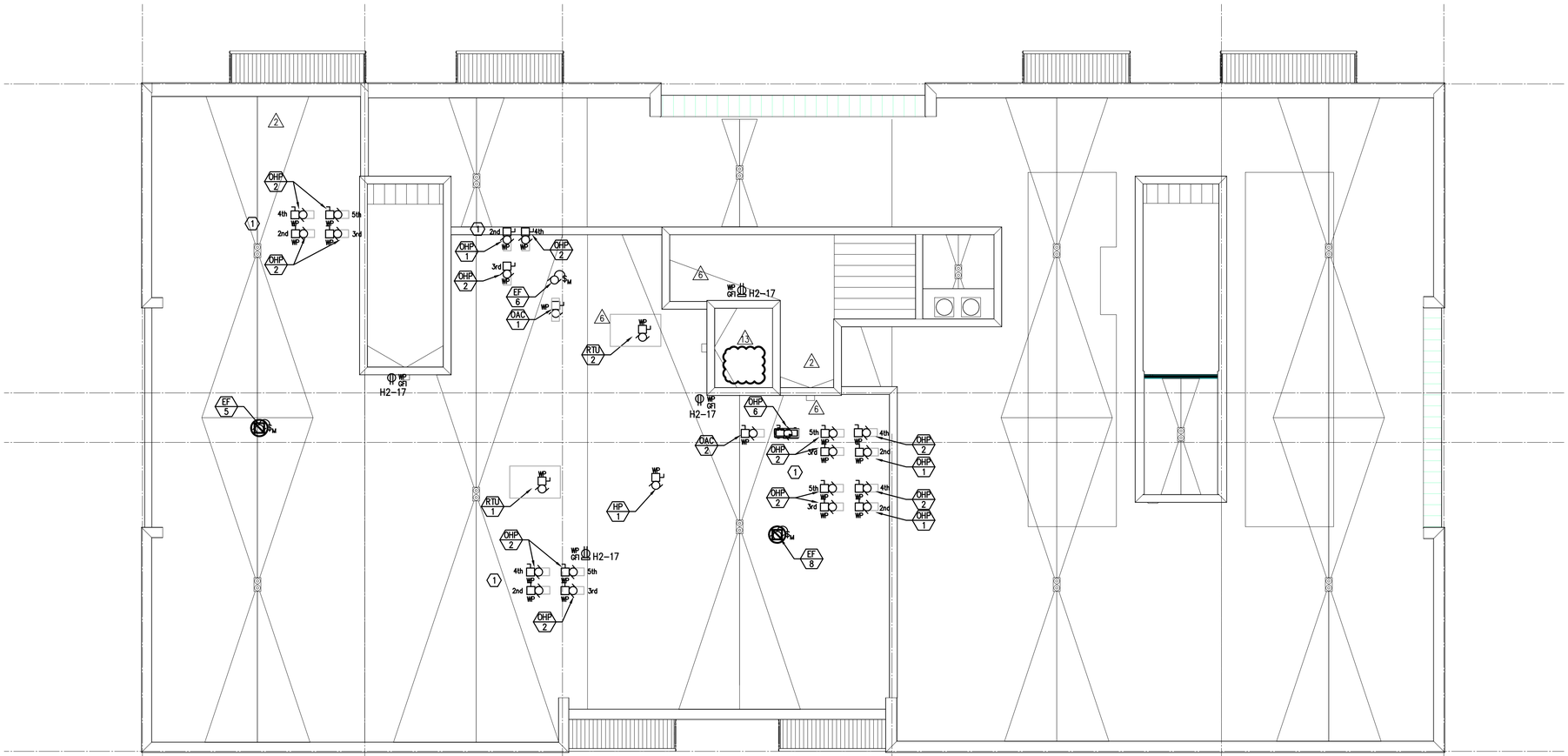
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1 E3.07 ELECTRICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

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

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

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

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

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

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

J. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

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.

6 L. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

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GENERAL LIGHTING NOTES:

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

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

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

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

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

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

G. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND INTERIOR DESIGNER FOR ALL FIXTURE LOCATIONS PRIOR TO THE START OF ANY ROUGH IN WORK

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

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

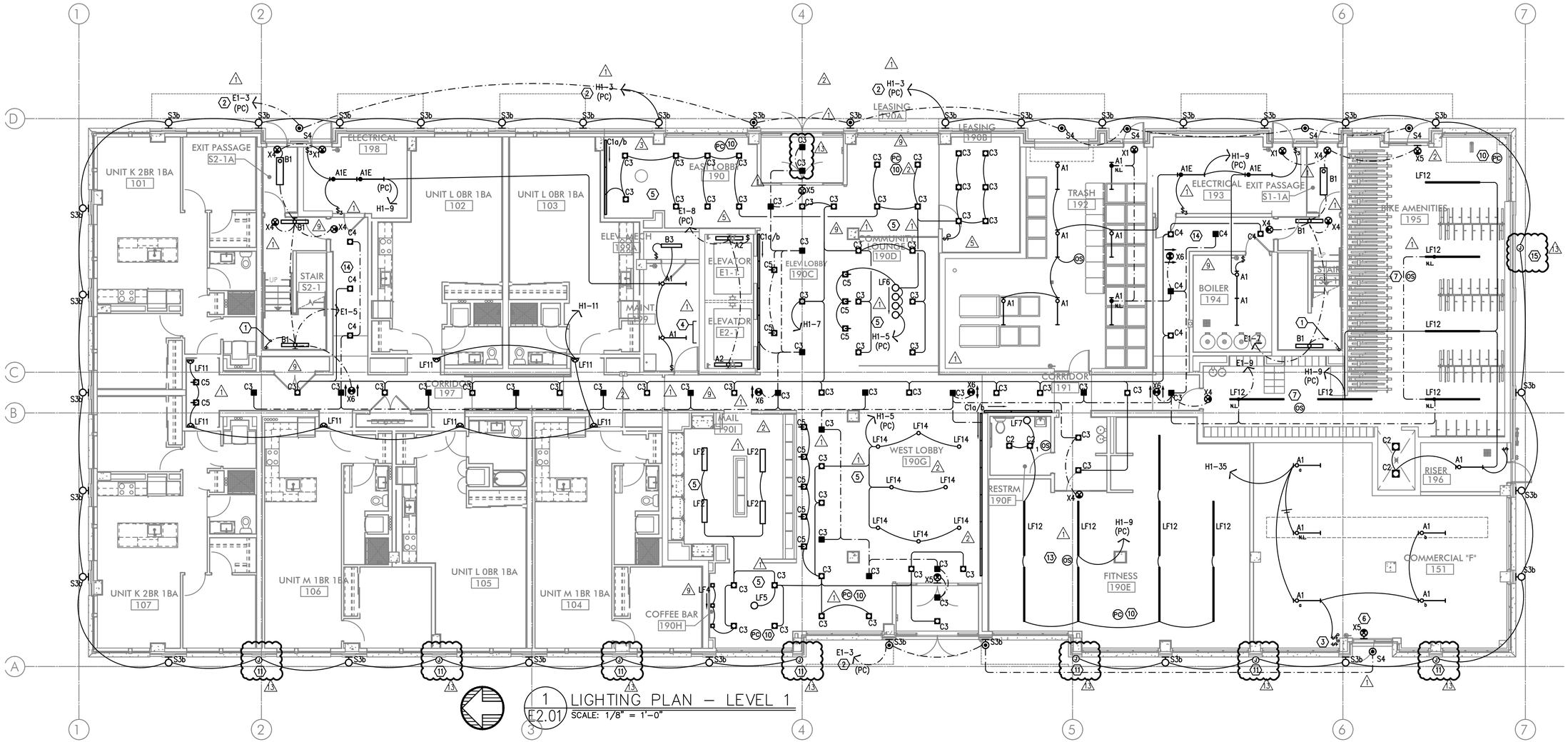
J. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.

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

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

⬡ KEYED NOTES:

1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
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. △1 LIGHTING CONTROL FOR LOBBY, CORRIDOR & COMMON SPACES. REFER TO DETAIL #1, SHEET E1.23 FOR MORE INFORMATION.
5. LIGHTING CONTROLS FOR THIS AREA LOCATED IN THE MAINTENANCE ROOM. SEE SHEET NOTE #4 FOR MORE INFORMATION.
6. TIE INTO TEMPORARY LIGHTING CIRCUIT AND ENSURE BATTERY BACK UP POWER FOR EGRESS.
7. △1 BIKE ROOM LIGHT FIXTURES CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
8. FIXTURE FINISH TO MATCH SOFFIT METAL.
9. △1 PROVIDE POWER CONNECTION FOR COVE LIGHTING AT ALL WALL NICHES TO WALL WASH ART INSTALLATIONS. REFER TO INTERIOR DECORATOR'S INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING LENGTH, LOCATIONS AND CONTROL TYPE TO BE INSTALLED. USE FIXTURE TYPE 'C1' AND TIE INTO LOBBY LIGHTING CIRCUIT H1-5.
10. PROVIDE CEILING MOUNTED PHOTOCELL TO PROVIDE DIMMING OF LIGHT FIXTURES DURING DAYLIGHT PERIODS.
11. △3 △2 △9 PROVIDE J-BOXES; ONE MOUNTED AT 50.5" AFG AND ONE AT 69.5" AFG FOR LIGHT FIXTURES TO BE INSTALLED FOR ART INSTALLATIONS. CIRCUIT AS SHOWN.
12. △1 TYPICAL LIGHTING CONTROL FOR RESIDENTIAL CORRIDORS. REFER TO DETAIL #2, SHEET E1.23 FOR MORE INFORMATION.
13. FITNESS ROOM LIGHT FIXTURES SHALL BE CONTROLLED VIA OCCUPANCY SENSOR, SUCH THAT LIGHTS SHALL DIM DOWN BY 50% DURING PERIODS OF NO ACTIVITY AND RETURN TO 100% LIGHT OUTPUT ON OCCUPANCY DETECTION. FIXTURES SHALL REMAIN ON FOR A MINIMUM OF 30 MINUTES OF AREA VACANCY.
14. CIRCUIT SERVICE CORRIDOR LIGHT FIXTURES AHEAD OF SWITCHED FIXTURES ON SAME CIRCUIT. CORRIDOR LIGHT FIXTURES TO BE CONSTANT 'ON'.
15. △3 PROVIDE J-BOX(S) AT TOP OF WALL FOR ART INSTALLATION. COORDINATE WITH THE ARTIST AND OWNER FOR EXACT LOCATION AND POWER REQUIREMENTS.



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

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ROBERT L. CONNELL — STATE OF WASHINGTON — 30653 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES: July 5th, 2020

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

PROJECT # 2017-053
DATE: 11/06/2019
REVISIONS
1 PLAN REVIEW 01.24.2020
2 PLAN REVIEW 03.13.2020
3 PLAN REVIEW 04.24.2020
4 PLAN REVIEW 08.10.2020
5 PLAN REVIEW 09.17.2020
6 PLAN REVIEW 10.16.2020
8 PLAN REVIEW 11.25.2020
9 PLAN REVIEW 03.26.2021
10 PLAN REVIEW 07.15.2021
12 COORDINATION 08.27.2021
13 COORDINATION 11.05.2021

AEGIS MIXED-USE DEVELOPMENT

312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:
B
E2.01

GENERAL POWER NOTES:

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

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

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

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

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

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

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

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

6 I. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

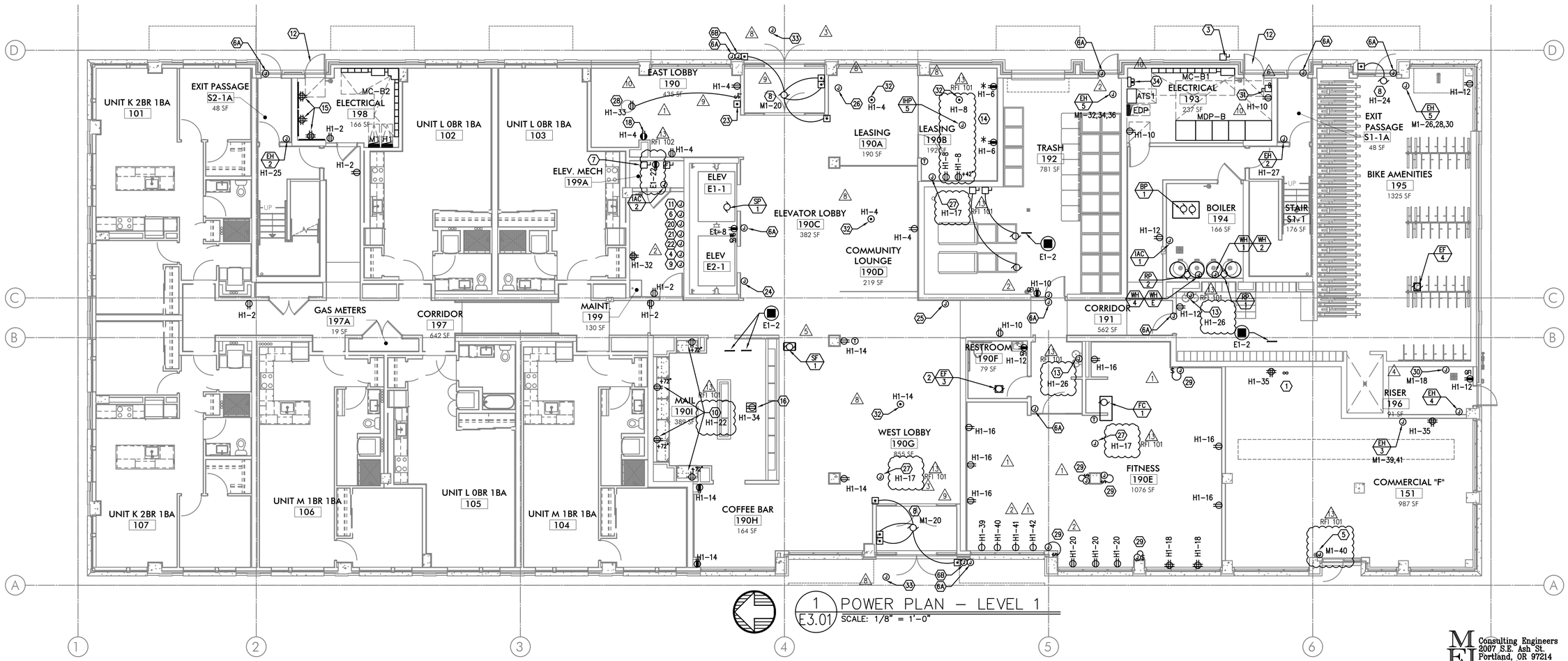
⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC1 UNDER SLAB AND STUB–UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE–LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 27.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 24 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.

6A. ENTRY ACCESS POINT.

6B. APARTMENT CALL DIRECTORY.

7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'M1' FOR AUTOMATIC DOOR OPENERS.
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'H1' FOR DAS SYSTEM.
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H1, CKT 31. 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. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS OF THE DRINKING FOUNTAIN, IF ANY AND PROVIDE CIRCUIT FROM PANE H1.
14. PER WASHINGTON STATE ENERGY CODE C405.10, AT LEAST 50% OF THE RECEPTACLES IN THIS SPACE SHALL BE CONTROLLED. RECEPTACLES NOTED WITH '*' SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND SHALL 'TURN OFF' AFTER A MINIMUM OF 30 MINUTES OF IN–ACTIVITY WITHIN THE SPACE. PROVIDE APPROPRIATE IDENTIFICATION OF EACH CONTROLLED RECEPTACLE. REFER TO THE PANEL SCHEDULES ON E1.16 FOR ADDITIONAL INFORMATION ON WHICH CIRCUIT IS TO BE THE CONTROLLED CIRCUIT.
15. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'M1' SCHEDULE ON E1.16 FOR CIRCUITS.
16. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.
17. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS.
18. HORIZONTAL RECEPTACLE IN BANQUETTE FACE. REFER TO THE ARCHITECT AND INTERIOR DECORATOR PLANS FOR ADDITIONAL INFORMATION.PROVIDE WITH TYPES A & C USB PORTS, LEVITON T5633–T OR APPROVED EQUAL.
19. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL E1, CKTS 19 & 21 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.
20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 17 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 34 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 23 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
23. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'E1'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF–OFF DIAGRAM.
24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1.
25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. CIRCUIT FROM PANEL 'H1'.
28. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL 'H1', CKT 33. PROVIDE 120V TWIST–TIMER SWITCH (MAX. 60 MINUTES "NO HOLD") FOR FIREPLACE IGNITOR CONTROLS. INTERCONNECT WITH POWER VENT FAN LOCATED ON ROOF.
29. PROVIDE TWO 20A, 120V CIRCUITS, FROM PANEL 'H1' FOR WALL MOUNTED FANS, PROVIDED BY OTHERS. CONSULT INTERIOR DECORATOR FOR EXACT POWER REQUIREMENTS AND MOUNTING HEIGHTS. PROVIDE CONTROL SWITCH PER MANUFACTURER'S/DECORATOR'S DIRECTION.
30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND PREFERRED LOCATION PRIOR TO ROUGH IN.
31. PROVIDE TWO 1–1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.
32. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.
33. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 40 TO J–BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.
34. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER.



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AEGIS MIXED-USE DEVELOPMENT

312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:
B
E3.01

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

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

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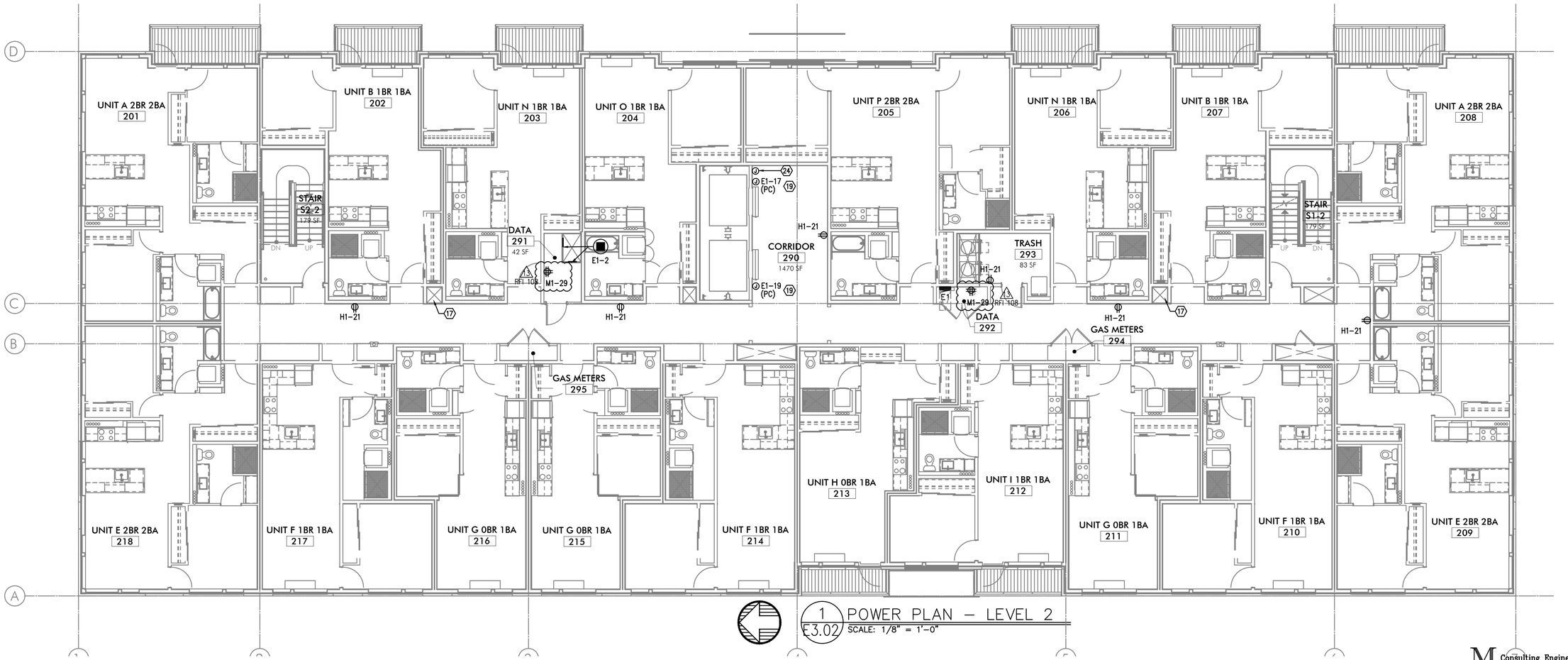
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2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE–LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 27.
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6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 24 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (9)
- 6A. ENTRY ACCESS POINT.
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14. PER WASHINGTON STATE ENERGY CODE C405.10, AT LEAST 50% OF THE RECEPTACLES IN THIS SPACE SHALL BE CONTROLLED. RECEPTACLES NOTED WITH '*' SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND SHALL 'TURN OFF' AFTER A MINIMUM OF 30 MINUTES OF IN–ACTIVITY WITHIN THE SPACE. PROVIDE APPROPRIATE IDENTIFICATION OF EACH CONTROLLED RECEPTACLE. REFER TO THE PANEL SCHEDULES ON E1.16 FOR ADDITIONAL INFORMATION ON WHICH CIRCUIT IS TO BE THE CONTROLLED CIRCUIT. (3 RFI 101)
15. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'M1' SCHEDULE ON E1.16 FOR CIRCUITS. (9)
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17. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS. (6)
18. HORIZONTAL RECEPTACLE IN BANQUETTE FACE. REFER TO THE ARCHITECT AND INTERIOR DECORATOR PLANS FOR ADDITIONAL INFORMATION.PROVIDE WITH TYPES A & C USB PORTS, LEVITON T5633–T OR APPROVED EQUAL.
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20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 17 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (4)
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 34 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (3 RFI 101)
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 23 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
23. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'E1'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF–OFF DIAGRAM. (10 9)
24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1. (3 RFI 102)
25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. CIRCUIT FROM PANEL 'H1'.
28. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL 'H1', CKT 33. PROVIDE 120V TWIST–TIMER SWITCH (MAX. 60 MINUTES "NO HOLD") FOR FIREPLACE IGNITOR CONTROLS. INTERCONNECT WITH POWER VENT FAN LOCATED ON ROOF. (10 9 1)
29. PROVIDE TWO 20A, 120V CIRCUITS, FROM PANEL 'H1' FOR WALL MOUNTED FANS, PROVIDED BY OTHERS. CONSULT INTERIOR DECORATOR FOR EXACT POWER REQUIREMENTS AND MOUNTING HEIGHTS. PROVIDE CONTROL SWITCH PER MANUFACTURER'S/DECORATOR'S DIRECTION.
30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND PREFERRED LOCATION PRIOR TO ROUGH IN. (4 3 RFI 101)
31. PROVIDE TWO 1–1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK. (6)
32. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN. (8)
33. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 40 TO J–BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.
34. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER. (10)



1 POWER PLAN – LEVEL 2
E3.02 SCALE: 1/8" = 1'–0"

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EXPIRES: July 5th, 2020

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AEGIS MIXED-USE DEVELOPMENT

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GENERAL POWER NOTES:

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

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

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

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

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

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

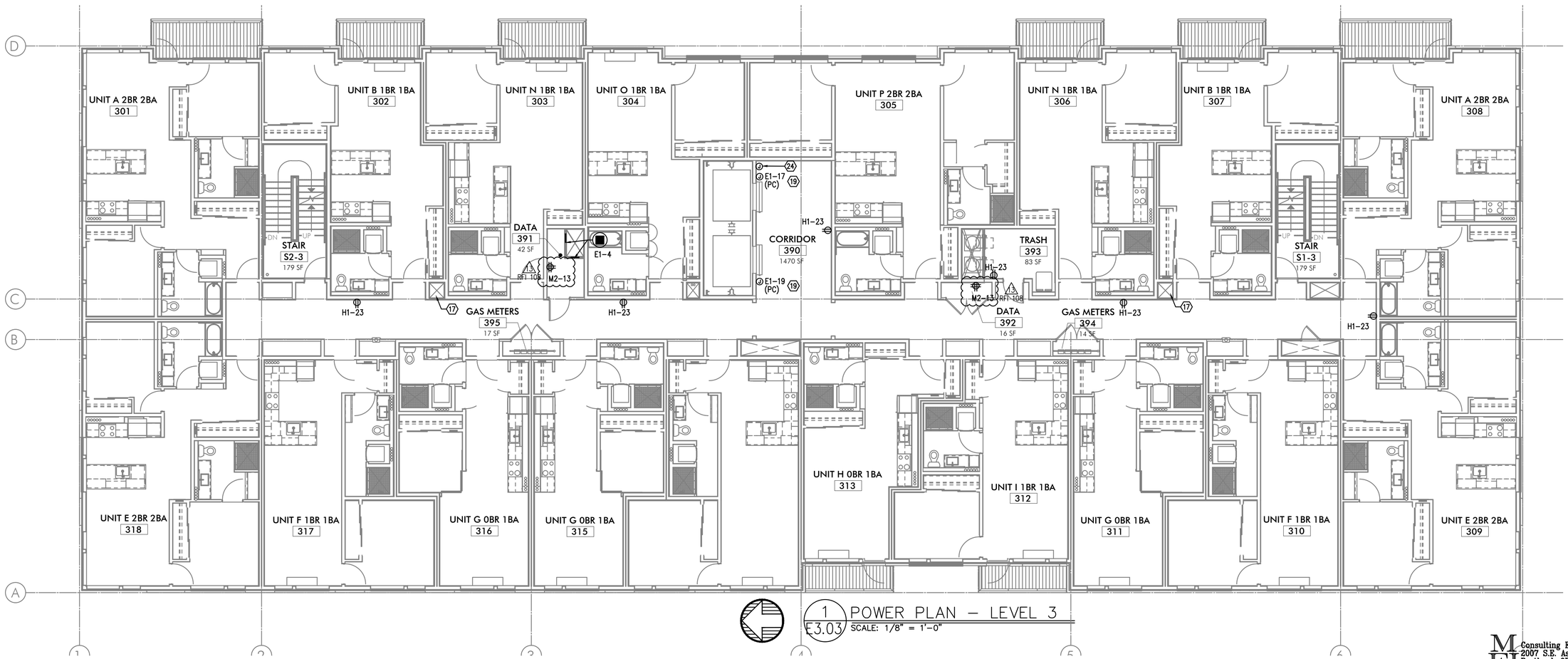
G. CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, CLUB ROOM, LEASE OFFICE, ETC.

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

6 I. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

⬡ KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC1 UNDER SLAB AND STUB-UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 27.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION. (13 RFI 101)
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 24 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (9)
- 6A. ENTRY ACCESS POINT.
- 6B. APARTMENT CALL DIRECTORY.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'M1' FOR AUTOMATIC DOOR OPENERS. (9)
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'H1' FOR DAS SYSTEM. (2)
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H1, CKT 31. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
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. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS OF THE DRINKING FOUNTAIN, IF ANY AND PROVIDE CIRCUIT FROM PANE H1. (9)
14. PER WASHINGTON STATE ENERGY CODE C405.10, AT LEAST 50% OF THE RECEPTACLES IN THIS SPACE SHALL BE CONTROLLED. RECEPTACLES NOTED WITH '*' SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND SHALL 'TURN OFF' AFTER A MINIMUM OF 30 MINUTES OF IN-ACTIVITY WITHIN THE SPACE. PROVIDE APPROPRIATE IDENTIFICATION OF EACH CONTROLLED RECEPTACLE. REFER TO THE PANEL SCHEDULES ON E1.16 FOR ADDITIONAL INFORMATION ON WHICH CIRCUIT IS TO BE THE CONTROLLED CIRCUIT. (13 RFI 101)
15. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'M1' SCHEDULE ON E1.16 FOR CIRCUITS. (9)
16. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.
17. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS. (8)
18. HORIZONTAL RECEPTACLE IN BANQUETTE FACE. REFER TO THE ARCHITECT AND INTERIOR DECORATOR PLANS FOR ADDITIONAL INFORMATION.PROVIDE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.
19. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL E1, CKTS 19 & 21 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION. (10) (9) (1)
20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 17 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 34 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (4) (13 RFI 101)
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 23 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
23. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'E1'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM. (10) (9)
24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1. (13 RFI 102)
25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. CIRCUIT FROM PANEL 'H1'.
28. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL 'H1', CKT 33. PROVIDE 120V TWIST-TIMER SWITCH (MAX. 60 MINUTES "NO HOLD") FOR FIREPLACE IGNITOR CONTROLS. INTERCONNECT WITH POWER VENT FAN LOCATED ON ROOF. (10) (9) (1)
29. PROVIDE TWO 20A, 120V CIRCUITS, FROM PANEL 'H1' FOR WALL MOUNTED FANS, PROVIDED BY OTHERS. CONSULT INTERIOR DECORATOR FOR EXACT POWER REQUIREMENTS AND MOUNTING HEIGHTS. PROVIDE CONTROL SWITCH PER MANUFACTURER'S/DECORATOR'S DIRECTION.
30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND PREFERRED LOCATION PRIOR TO ROUGH IN. (4) (13 RFI 101)
31. PROVIDE TWO 1-1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK. (6)
32. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN. (8)
33. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 40 TO J-BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.
34. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER. (10)



1 / E3.03 POWER PLAN – LEVEL 3
SCALE: 1/8" = 1'-0"

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AEGIS MIXED-USE DEVELOPMENT

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SHEET: B E3.03

GENERAL POWER NOTES:

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

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

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

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

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

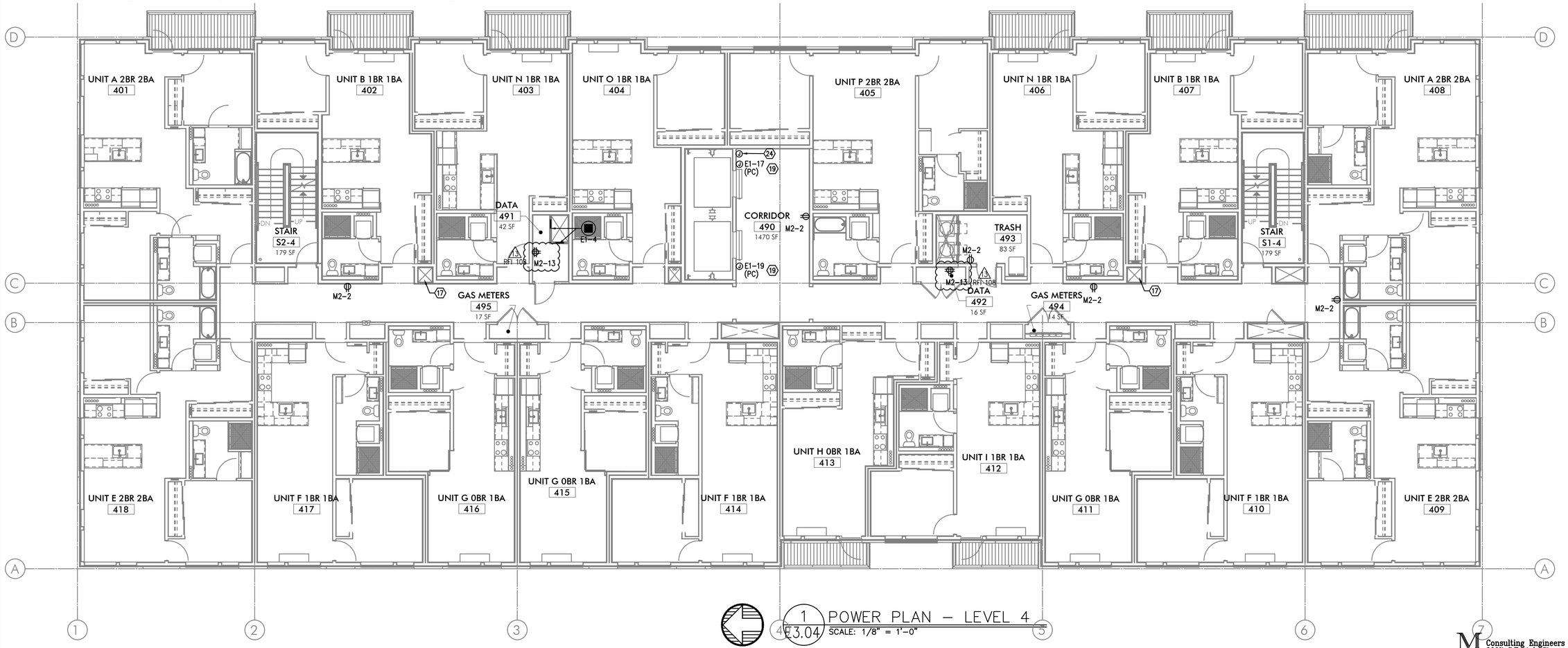
G. CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, CLUB ROOM, LEASE OFFICE, ETC.

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2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 27.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION. (1 RFI 101)
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 24 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (9)
- 6A. ENTRY ACCESS POINT.
- 6B. APARTMENT CALL DIRECTORY.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'M1' FOR AUTOMATIC DOOR OPENERS. (9)
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'H1' FOR DAS SYSTEM. (2)
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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.
13. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS OF THE DRINKING FOUNTAIN, IF ANY AND PROVIDE CIRCUIT FROM PANE H1. (9)
14. PER WASHINGTON STATE ENERGY CODE C405.10, AT LEAST 50% OF THE RECEPTACLES IN THIS SPACE SHALL BE CONTROLLED. RECEPTACLES NOTED WITH '*' SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND SHALL 'TURN OFF' AFTER A MINIMUM OF 30 MINUTES OF IN-ACTIVITY WITHIN THE SPACE. PROVIDE APPROPRIATE IDENTIFICATION OF EACH CONTROLLED RECEPTACLE. REFER TO THE PANEL SCHEDULES ON E1.16 FOR ADDITIONAL INFORMATION ON WHICH CIRCUIT IS TO BE THE CONTROLLED CIRCUIT. (1 RFI 101)
15. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'M1' SCHEDULE ON E1.16 FOR CIRCUITS. (9)
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17. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS. (6)
18. HORIZONTAL RECEPTACLE IN BANQUETTE FACE. REFER TO THE ARCHITECT AND INTERIOR DECORATOR PLANS FOR ADDITIONAL INFORMATION.PROVIDE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.
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21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 34 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (4) (3 RFI 101)
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 23 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
23. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'E1'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM. (10) (9)
24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1. (13 RFI 102)
25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. CIRCUIT FROM PANEL 'H1'.
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1 POWER PLAN – LEVEL 4 (E3.04)
SCALE: 1/8" = 1'-0"

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EXPIRES: July 5th, 2020

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13 COORDINATION 11.05.2021

AEGIS MIXED-USE DEVELOPMENT

312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET: B E3.04

GENERAL POWER NOTES:

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

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

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

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

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

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

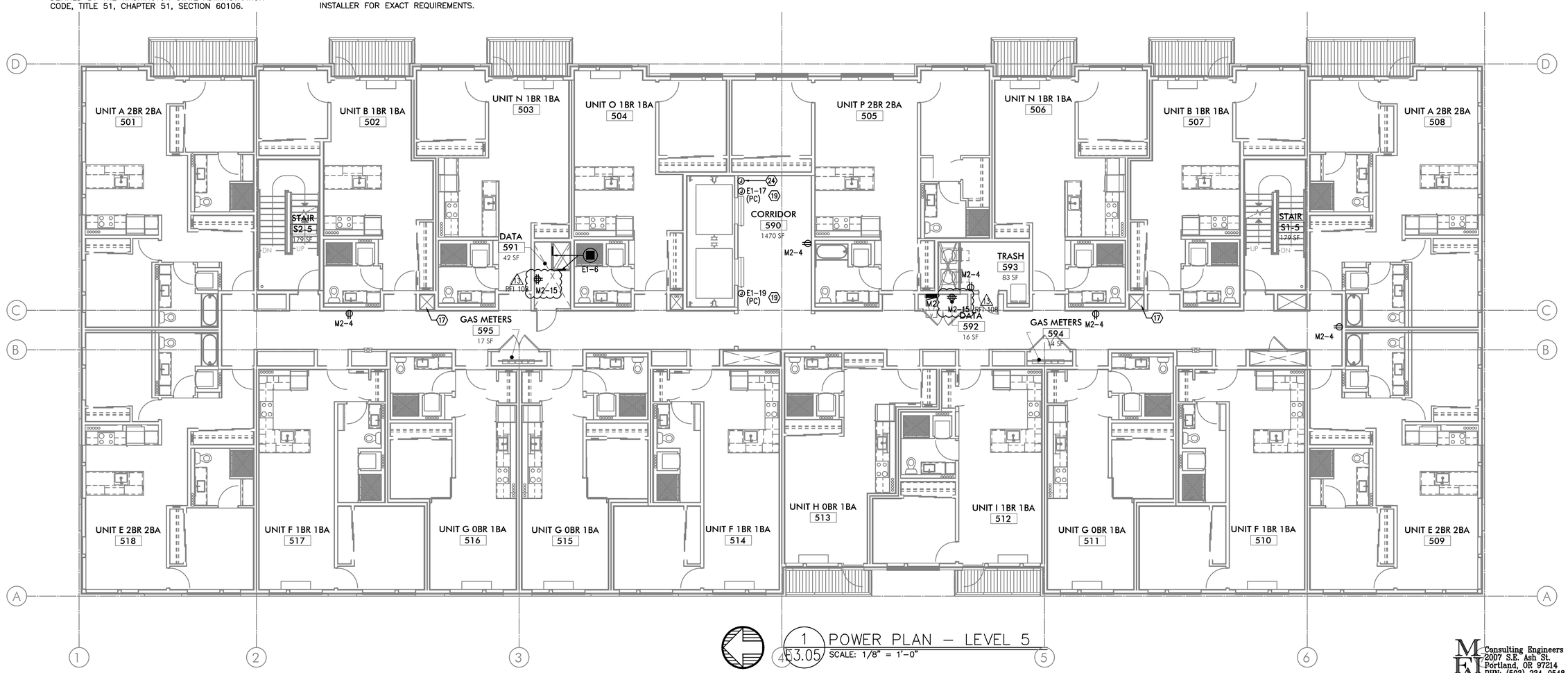
G. CONSULT ARCHITECTURAL AND/OR INTERIOR DECORATOR PLANS FOR EXACT RECEPTACLE LOCATION IN THE COMMUNITY AREAS, SUCH AS THE LOBBY, CLUB ROOM, LEASE OFFICE, ETC.

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

6 I. "SOLAR READY" WORK FOR FUTURE PHOTOVOLTAIC ARRAY SHALL BE PER THE ELECTRICAL REQUIREMENTS AS DEFINED BY THE WASHINGTON STATE ADMINISTRATION CODE, TITLE 51, CHAPTER 51, SECTION 60106.

KEYED NOTES:

1. ROUTE (2) EMPTY 3 1/2" CONDUIT WITH PULL STRING, FROM MC1 UNDER SLAB AND STUB-UP INTO LEASE SPACE FOR TENANT SUPPLIED BRANCH PANEL AND CAP OFF.
2. EXHAUST FAN TO BE TIED INTO LIGHTING CIRCUIT FOR THIS AREA.
3. GENERATOR DISCONNECT. SEE ONE-LINE DIAGRAM ON SHEET E1.11.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GENERATOR REMOTE ANNUNCIATOR. FED FROM PANEL E1, CKT 27.
5. 20A,120V, 1P POWER CONNECTION FOR BLADE SIGNS. CIRCUIT AS INDICATED VIA PHOTOCELL & TIMECLOCK. MOUNT JUNCTION BOX TIGHT TO CEILING (AT BUILDING INTERIOR), COORDINATING EXACT LOCATION WITH SIGN INSTALLER'S SLEEVE AND PER ARCHITECT'S DIRECTION AT EACH LOCATION. (3 RFI 101)
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL M1, CKT 24 FOR BUILDING ENTRY ACCESS CONTROL SYSTEM AND PROVIDE ROUGH IN AND WIRING TO ACCESS POINTS LOCATED ON PLANS. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (9)
- 6A. ENTRY ACCESS POINT.
- 6B. APARTMENT CALL DIRECTORY.
7. VERIFY ELEVATOR EQUIPMENT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECT AND/OR ELEVATOR PROVIDER.
8. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'M1' FOR AUTOMATIC DOOR OPENERS. (9)
9. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL 'H1' FOR DAS SYSTEM. (2)
10. PACKAGE CONCIERGE SYSTEM. MOUNT DUPLEX RECEPTACLES AT 76" AFF.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR A/V SYSTEM CONTROL, FROM PANEL H1, CKT 31. CONSULT INTERIORS GROUP FOR EXACT LOCATION. COORDINATE WITH SYSTEM INSTALLER FOR EXACT REQUIREMENTS.
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. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS OF THE DRINKING FOUNTAIN, IF ANY AND PROVIDE CIRCUIT FROM PANE H1. (9)
14. PER WASHINGTON STATE ENERGY CODE C405.10, AT LEAST 50% OF THE RECEPTACLES IN THIS SPACE SHALL BE CONTROLLED. RECEPTACLES NOTED WITH '*' SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND SHALL 'TURN OFF' AFTER A MINIMUM OF 30 MINUTES OF IN-ACTIVITY WITHIN THE SPACE. PROVIDE APPROPRIATE IDENTIFICATION OF EACH CONTROLLED RECEPTACLE. REFER TO THE PANEL SCHEDULES ON E1.16 FOR ADDITIONAL INFORMATION ON WHICH CIRCUIT IS TO BE THE CONTROLLED CIRCUIT. (3 RFI 101)
15. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS, AND PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'M1' SCHEDULE ON E1.16 FOR CIRCUITS. (9)
16. CEILING MOUNTED 20A DUPLEX RECEPTACLE FOR SECURITY CAMERA. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.
17. SHAFT FOR THE ROUTING OF ELECTRICAL FEEDERS FROM TENANT METERS TO RESIDENTIAL UNITS. (6)
18. HORIZONTAL RECEPTACLE IN BANQUETTE FACE. REFER TO THE ARCHITECT AND INTERIOR DECORATOR PLANS FOR ADDITIONAL INFORMATION.PROVIDE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.
19. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM THE EMERGENCY PANEL E1, CKTS 19 & 21 FOR ELEVATOR SMOKE CURTAINS. SMOKE CURTAINS ARE TO BE SMOKE GUARD SYSTEM MODEL 200 AND SHALL BE INSTALLED AT EACH ELEVATOR LOBBY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION WITH THE EQUIPMENT PROVIDER/INSTALLER FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN. EACH SMOKE CURTAIN SHALL BE INTERLINKED WITH THE NEAREST SMOKE DETECTOR AT EACH LOCATION.
20. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 17 FOR THE APARTMENT ENTRY SYSTEM PRIMARY CONTROL PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED, TO EACH UNIT ENTRY. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
21. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 34 FOR THE SECURITY SYSTEM PANEL AND PROVIDE ROUGH IN AND WIRING, AS NEEDED. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION. (4 3 RFI 101)
22. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL E1, CKT 23 FOR THE FIRE ALARM CONTROL PANEL. CONSULT WITH LOW VOLTAGE SYSTEMS INSTALLER AND THE 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION.
23. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'E1'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF-OFF DIAGRAM. (10 9)
24. AREA OF REFUGE PANEL. CONSULT FIRE ALARM PLANS ('T' SERIES SHEETS) AND PROVIDE ROUGH IN AS NEEDED. PROVIDE POWER CONNECTION FROM PANEL E1. (13 RFI 102)
25. PROVIDE ROUGH IN, AS NEEDED, FOR FIRE ALARM REMOTE ANNUNCIATION PANEL.
26. PROVIDE ROUGH IN, AS NEEDED, FOR AUDIO SYSTEM CONTROLS.
27. PROVIDE ROUGH IN, AS NEEDED, FOR WIFI SYSTEM. CIRCUIT FROM PANEL 'H1'.
28. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL 'H1', CKT 33. PROVIDE 120V TWIST-TIMER SWITCH (MAX. 60 MINUTES "NO HOLD") FOR FIREPLACE IGNITOR CONTROLS. INTERCONNECT WITH POWER VENT FAN LOCATED ON ROOF. (10 9 1)
29. PROVIDE TWO 20A, 120V CIRCUITS, FROM PANEL 'H1' FOR WALL MOUNTED FANS, PROVIDED BY OTHERS. CONSULT INTERIOR DECORATOR FOR EXACT POWER REQUIREMENTS AND MOUNTING HEIGHTS. PROVIDE CONTROL SWITCH PER MANUFACTURER'S/DECORATOR'S DIRECTION.
30. PROVIDE ONE 20A, 120V CIRCUIT, FROM PANEL 'M1' FOR IRRIGATION CONTROLS. COORDINATE WITH LANDSCAPING FOR EXACT POWER REQUIREMENTS AND PREFERRED LOCATION PRIOR TO ROUGH IN. (4 3 RFI 101)
31. PROVIDE TWO 1-1/2" EMPTY CONDUITS W/ PULL STRING, ROUTED FROM THE ELECTRICAL ROOM TO THE ROOF FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK. (6)
32. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.
33. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL H1, CKT 40 TO J-BOX BEHIND FACE OF CANOPY FOR BUILDING SIGNAGE BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. SIGNS TO BE CONTROLLED VIA PHOTOCELL, ALONG WITH BUILDING LIGHTS.
34. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER. (10)



1 E3.05 POWER PLAN – LEVEL 5
SCALE: 1/8" = 1'-0"

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

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

PROJECT # 2017-053
DATE: 11/06/2019
REVISIONS
1 PLAN REVIEW 01.24.2020
2 PLAN REVIEW 03.13.2020
3 PLAN REVIEW 04.24.2020
4 PLAN REVIEW 08.10.2020
5 PLAN REVIEW 09.17.2020
6 PLAN REVIEW 10.16.2020
8 PLAN REVIEW 11.25.2020
9 PLAN REVIEW 03.26.2021
10 PLAN REVIEW 07.15.2021
12 COORDINATION 08.27.2021
13 COORDINATION 11.05.2021

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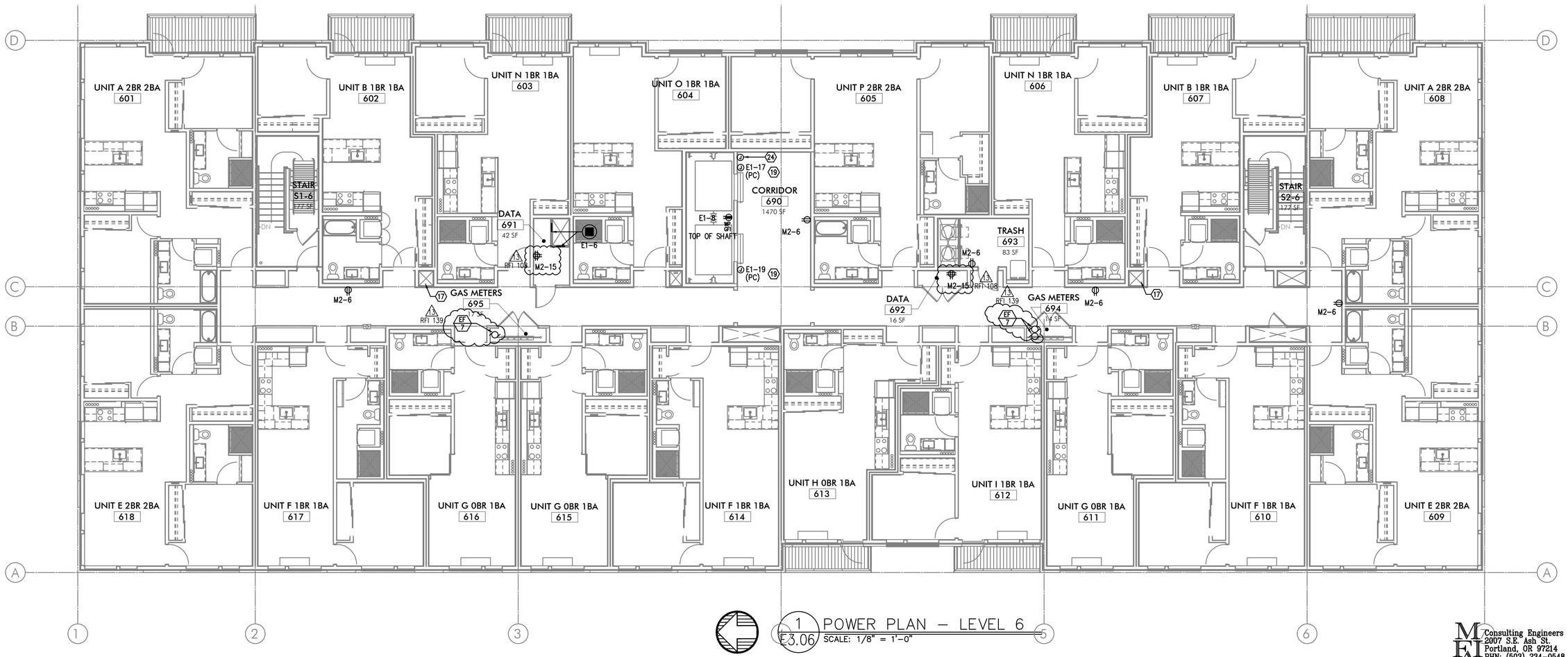
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32. CONSULT INTERIORS PLANS TO VERIFY EXACT LOCATION OF FLOOR BOX DEVICES PRIOR TO ROUGH IN.
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34. METER LOCATION FOR PV SYSTEM. VERIFY AND COORDINATE WITH SYSTEM INSTALLER. (10)



1 POWER PLAN – LEVEL 6 (E3.06)
SCALE: 1/8" = 1'-0"

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ROBERT L. CONNELL — STATE OF WASHINGTON — 30653 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES: July 5th, 2020

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AEGIS MIXED-USE DEVELOPMENT

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

B. COORDINATE WITH MECHANICAL INSTALLER FOR EXACT POWER REQUIREMENTS AND LOCATIONS PRIOR TO ROUGH IN AND THROUGHOUT CONSTRUCTION.

C. 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.

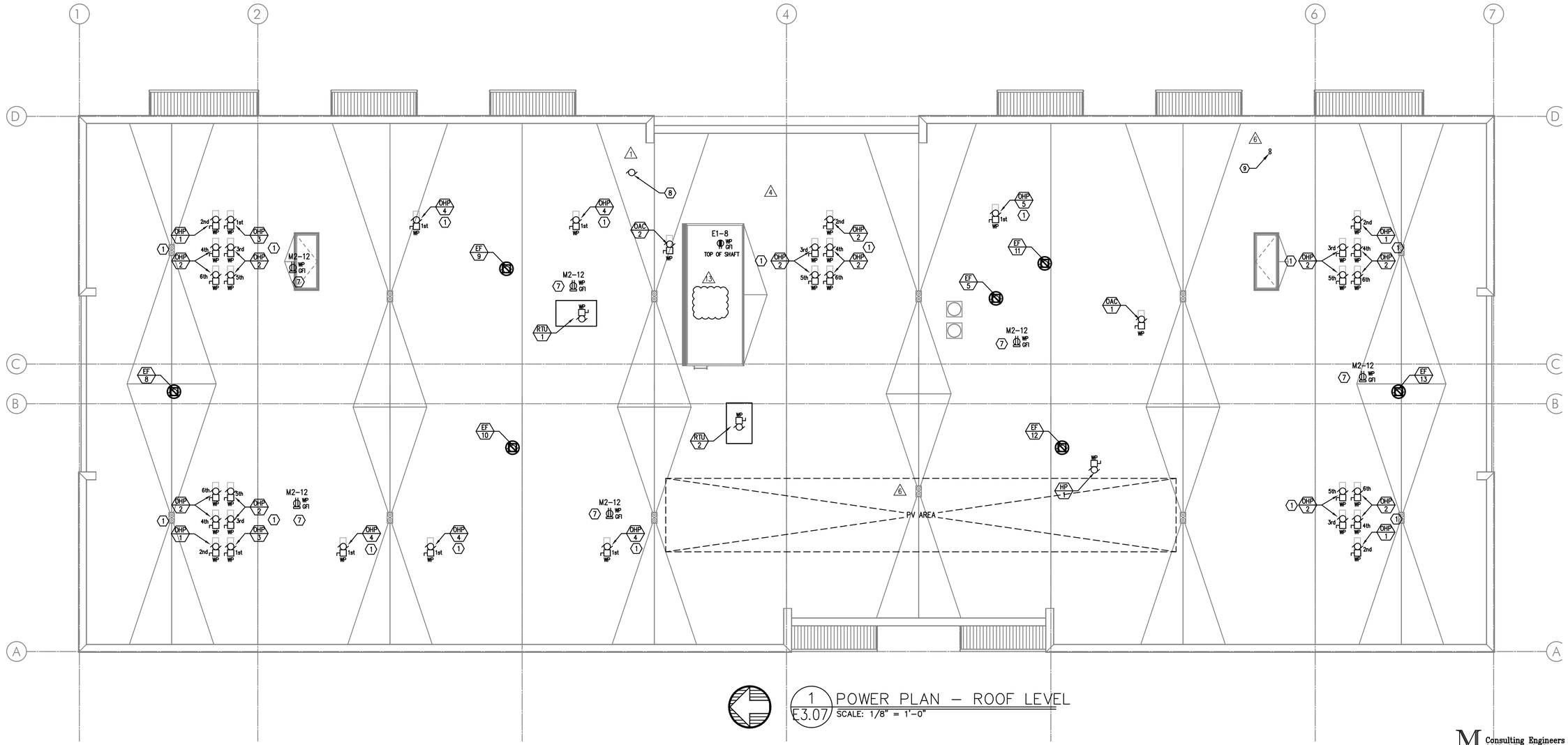
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⬡ KEYED NOTES:

1. HEAT PUMP UNITS TO BE INTERCONNECTED WITH A CORRESPONDING APARTMENT FAN COIL UNIT. REFER TO TYPICAL UNIT PANEL SCHEDULES ON E1.17 FOR CIRCUITING INFO. COORDINATE WITH THE MECHANICAL EQUIPMENT INSTALLER FOR EXACT POWER REQUIREMENTS AND LOCATIONS PRIOR TO ROUGH IN. FOR ADDITIONAL INFORMATION, CONSULT THE MECHANICAL PLAN SHEETS.
2. ELECTRICAL CONTRACTOR TO COORDINATE WITH LANDSCAPE PROVIDER FOR EXACT LOCATION OF POWER CONNECTIONS TO LOW VOLTAGE LIGHTING. LANDSCAPE LIGHTING SHALL BE CIRCUITED VIA CIRCUIT H2–21.
3. ELECTRICAL CONTRACTOR TO COORDINATE WITH LANDSCAPE PROVIDER FOR EXACT LOCATION OF POWER CONNECTIONS AS REQUIRED FOR LANDSCAPE IRRIGATION AND SHALL BE CIRCUITED VIA CIRCUIT H2–19.
4. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR GAS FIREPLACE. CONSULT WITH MECHANICAL CONTRACTOR FOR EXACT WIRING REQUIREMENTS PRIOR TO ROUGH IN. CONSULT INTERIOR DECORATOR FOR EXACT LOCATION OF CONTROL SWITCH(ES) IF REQUIRED.
5. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX FOR GAS GRILL AND FIRE PIT IGNITER CONTROLS. CIRCUIT FROM PANEL 'H2'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF–OFF DIAGRAM.
6. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'H2'. SEE DETAIL 5/E1.22 FOR EMERGENCY SHUFF–OFF DIAGRAM. PROVIDE WEATHER PROOF LABEL EACH BUTTON WITH DEVICE IT CONTROLS.
7. LOCATE WEATHERPROOF GFCI RECEPTACLES WITHIN 25'–0" OF ALL MECHANICAL EQUIPMENT AS REQUIRED BY CODE. MOUNT AT CURBS WHEREVER POSSIBLE. CIRCUIT AS INDICATED.

△1 8. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE VENT FAN ON ROOF. PROVIDE ELECTRICAL CONNECTION INTERCONNECT WITH FIREPLACE LOCATED AT THE FIRST FLOOR LOBBY.

△6 9. CONDUIT STUB–UPS FOR PV SOLAR SYSTEM PROVIDED AND INSTALLED BY OTHERS. REFER TO ONE–LINE DIAGRAM FOR ADDITIONAL INFORMATION AND COORDINATE WITH SYSTEM INSTALLER FOR EXACT LOCATION. COORDINATE WITH THE STRUCTURAL ENGINEER FOR THE ROUTING OF THE CONDUITS UP THROUGH THE BUILDING PRIOR TO ANY WORK.



1 / E3.07 POWER PLAN – ROOF LEVEL
SCALE: 1/8" = 1'–0"

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ROBERT L. CONNELL — STATE OF WASHINGTON — 30653 — REGISTERED PROFESSIONAL ENGINEER

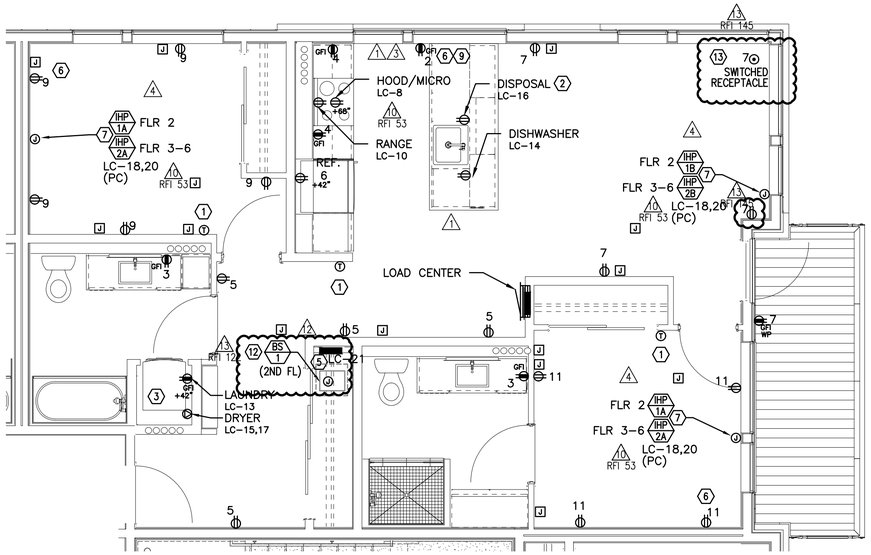
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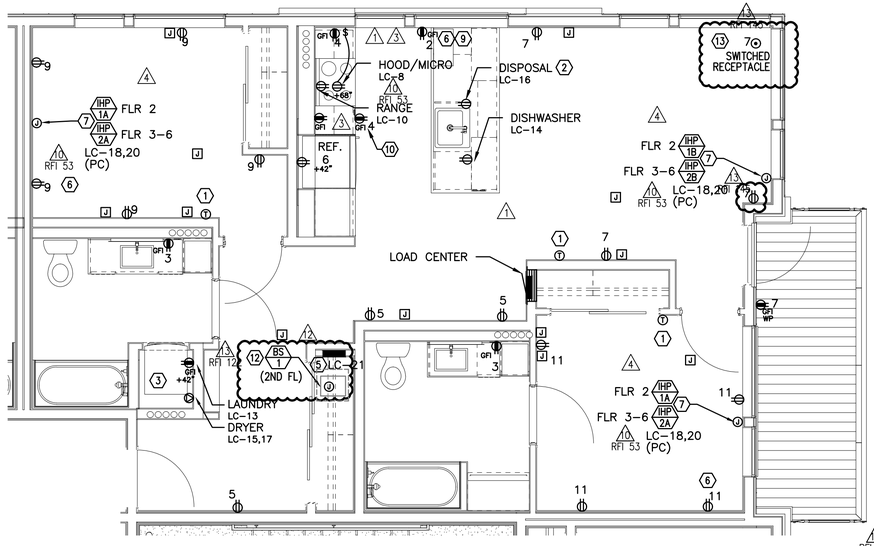
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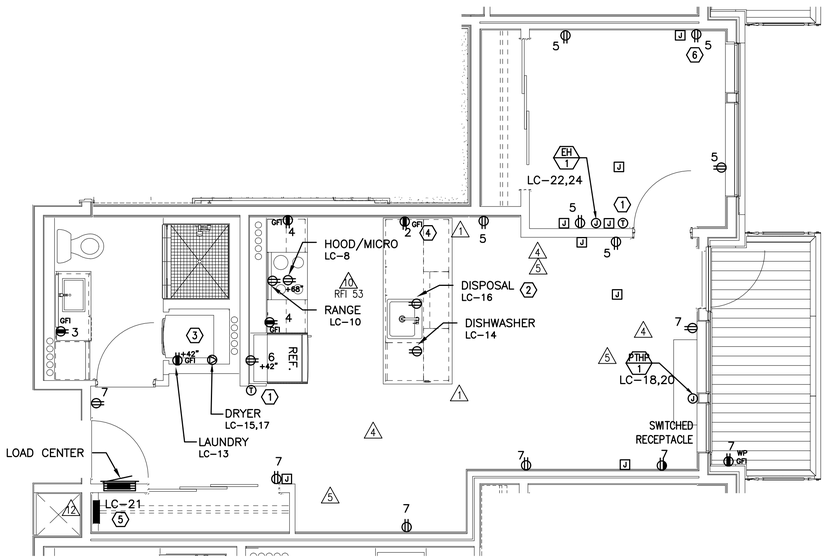
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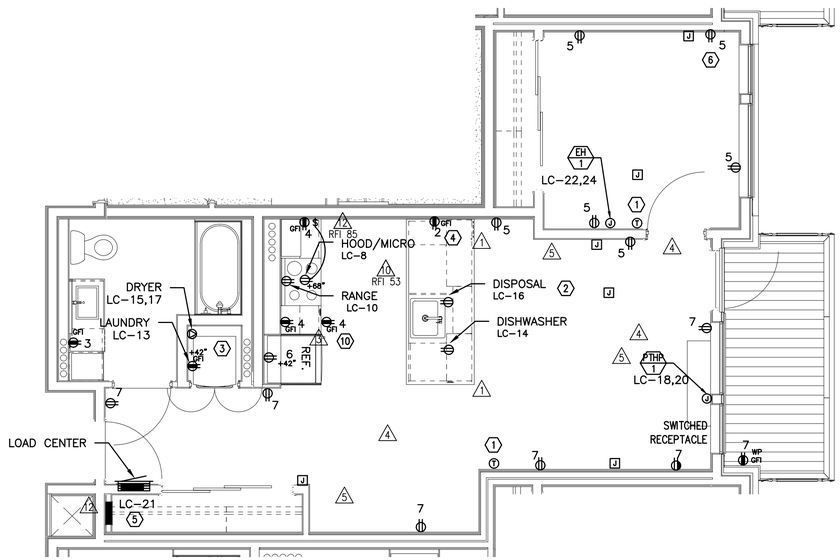
TYPICAL UNIT TYPE A
1 E4.11 — 2 BED/2 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE A–ADA
2 E4.11 — 2 BED/2 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE B
3 E4.11 — 1 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE B–ADA
4 E4.11 — 1 BED/1 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

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

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

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

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

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

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

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

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

KEYED NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. THERMOSTATS TO BE MOUNTED AT 48" AFF MAX. TO HIGHEST OPERABLE PART.
2. PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION. DISPOSAL TO BE PROVIDED WITH "SAFEAIRE" SINK DISPOSAL AIR SWITCH, MOUNTED PER ARCHITECT'S DIRECTION. VERIFY DEVICE FINISH WITH ARCHITECT PRIOR TO ORDERING.
3. REFER TO DETAIL 2/E1.17 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
4. MOUNT DEVICES HORIZONTALLY, JUST UNDER THE EDGE OF THE COUNTER TOP.
5. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
6. PROVIDE ONE 20A, 120V, 1P RECEPTACLE WITH USB PORT, MOUNTED AT 44" A.F.F (MAX) AT KITCHEN ISLAND/PENNISULA COUNTER & AT 18" AFF IN BEDROOMS. CONSULT ARCHITECT AND/OR INTERIOR DESIGNER FOR ADDITIONAL LOCATIONS WHERE REQUIRED.
7. INDOOR HEAT PUMP UNIT INTERCONNECTED WITH OUTDOOR UNIT LOCATED ON ROOF. CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL HVAC INSTALLER AND MECHANICAL PLANS FOR EXACT POWER REQUIREMENTS & LOCATION OF EACH UNIT PRIOR TO ROUGH IN.
8. COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER FOR EXACT POWER REQUIREMENTS, CONTROLS & LOCATION OF THRU–WALL FAN. TIE INTO BEDROOM RECEPTACLE CIRCUIT.
9. MOUNT DEVICES HORIZONTALLY, UNDER WINDOW SILL.
10. RECEPTACLE MOUNTED IN FACE OF CABINET.
11. COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER FOR EXACT POWER REQUIREMENTS & LOCATION OF CONTINUOUS OPERATING EXHAUST FAN. TIE INTO LIVING ROOM LIGHTING RECEPTACLE CIRCUIT.
12. (RFI 122) PROVIDE POWER CONNECTION FOR BRANCH BOX, TIED INTO THE MINI–SPLIT SYSTEM, FROM THE TENANT LOAD CENTER. COORDINATE WORK WITH THE MECHANICAL EQUIPMENT INSTALLER.
13. (RFI 145) IN UNITS AT THE PT DECK, PROVIDE SURFACE MOUNTED RECEPTACLES AT STANDARD MOUNTING HEIGHT ON THE CORNER COLUMN. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.

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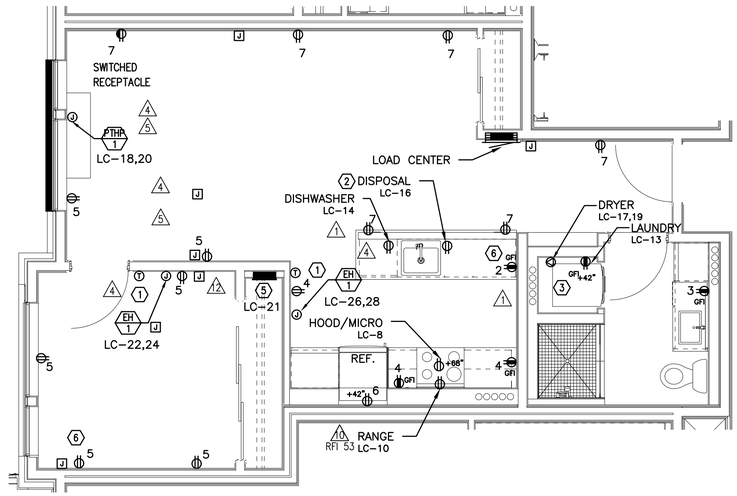
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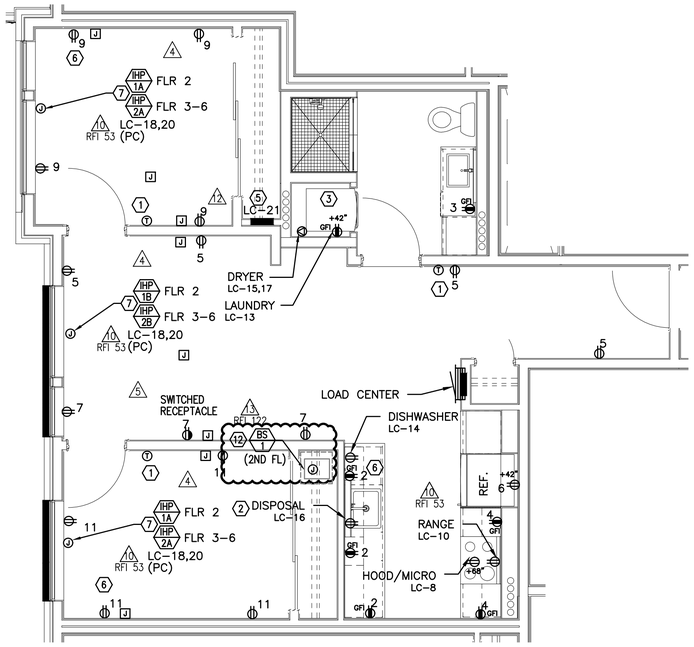
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TYPICAL UNIT TYPE C

1 / E4.12 — 1 BED/1 BATH – POWER PLAN

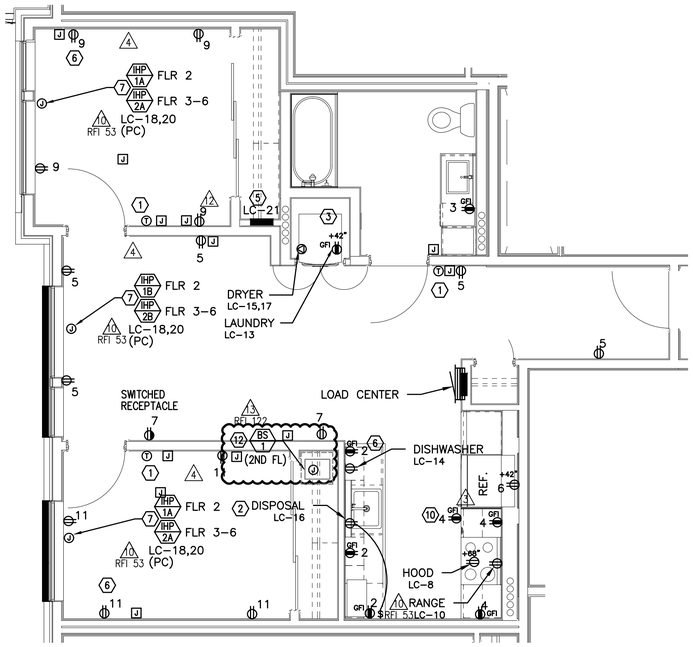
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE D

2 / E4.12 — 2 BED/1 BATH – POWER PLAN

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



TYPICAL UNIT TYPE D–ADA

3 / E4.12 — 2 BED/1 BATH – POWER PLAN

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

GENERAL NOTES:

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

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

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

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

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

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

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

H. (1) RFI 145 ALL KITCHEN COUNTER TOP RECEPTACLES SHALL BE INSTALLED A MINIMUM OF 36" FROM A CORNER WALL PER ADA REQUIREMENTS. WHERE COUNTERS ARE NOT LONG ENOUGH TO ACCOMMODATE THIS, THE RECEPTACLE SHALL BE PLACE ON AN END WALL, NO MORE THAN 12" FROM THE FRONT EDGE OF THE COUNTER.

KEYED NOTES:

1. (5) 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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13. (1) RFI 145 IN UNITS AT THE PT DECK, PROVIDE SURFACE MOUNTED RECEPTACLES AT STANDARD MOUNTING HEIGHT ON THE CORNER COLUMN. CONSULT ARCHITECT FOR ADDITIONAL INFORMATION.

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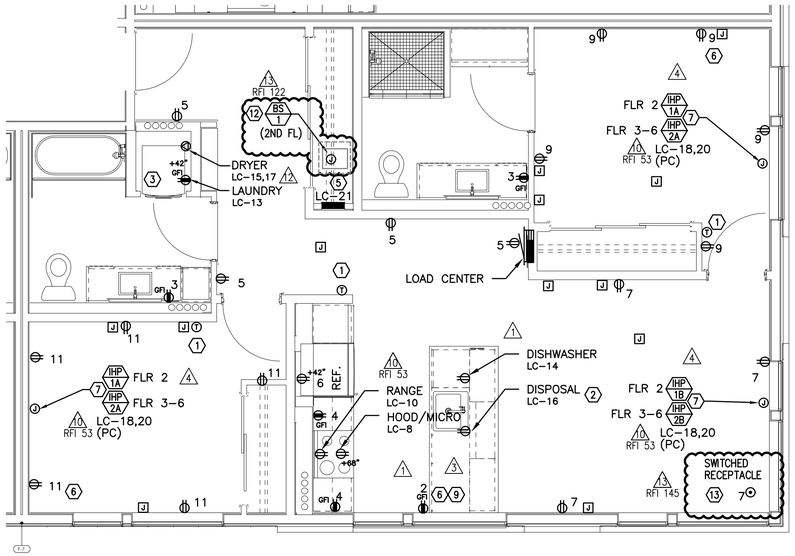
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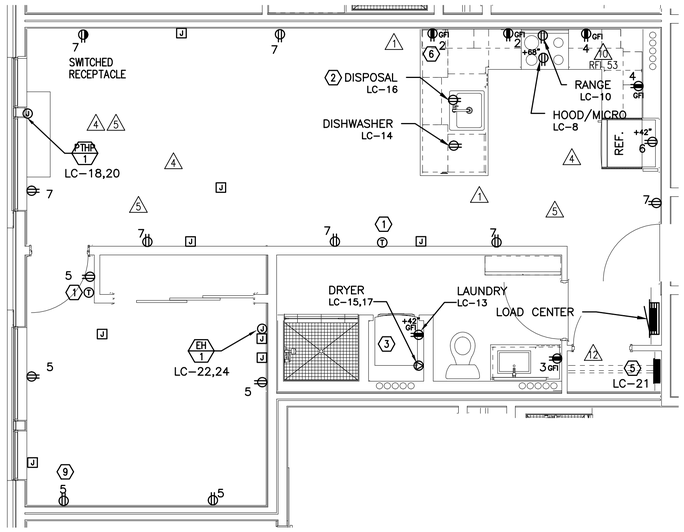
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TYPICAL UNIT TYPE E

1 / E4.13 — 2 BED/2 BATH – POWER PLAN

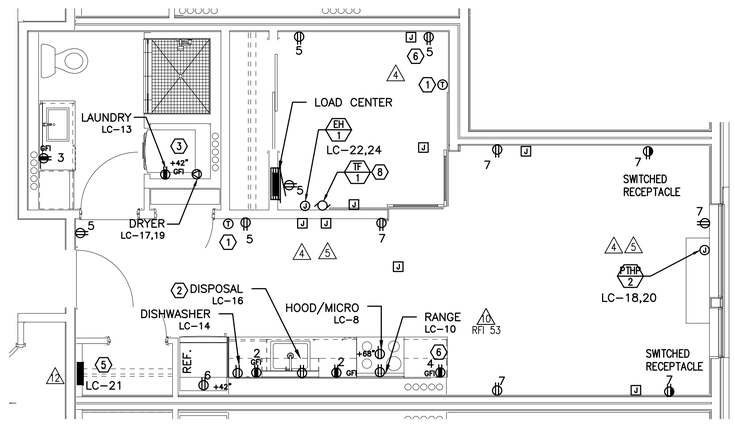
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE F

2 / E4.13 — 1 BED/1 BATH – POWER PLAN

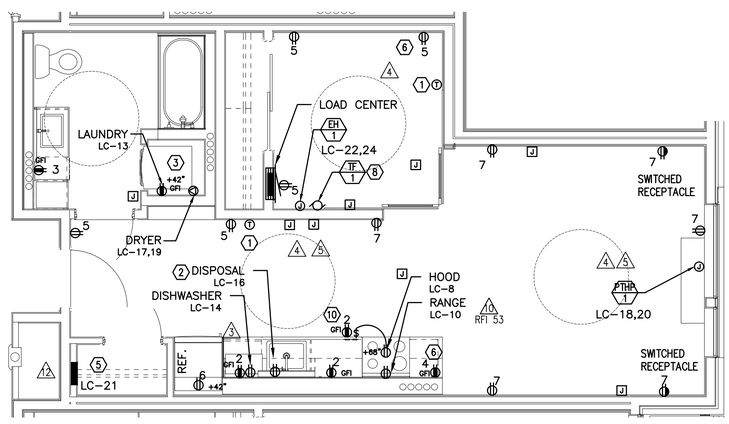
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE G

3 / E4.13 — 0 BED/1 BATH – POWER PLAN

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



TYPICAL UNIT TYPE G-ADA

4 / E4.13 — 0 BED/1 BATH – POWER PLAN

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

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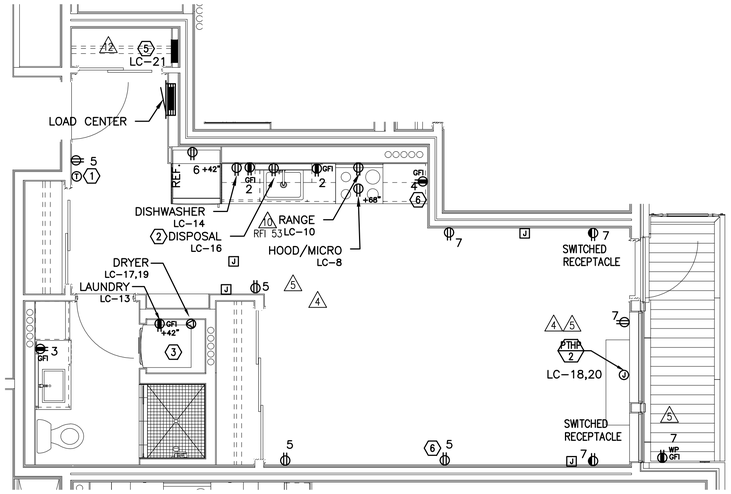
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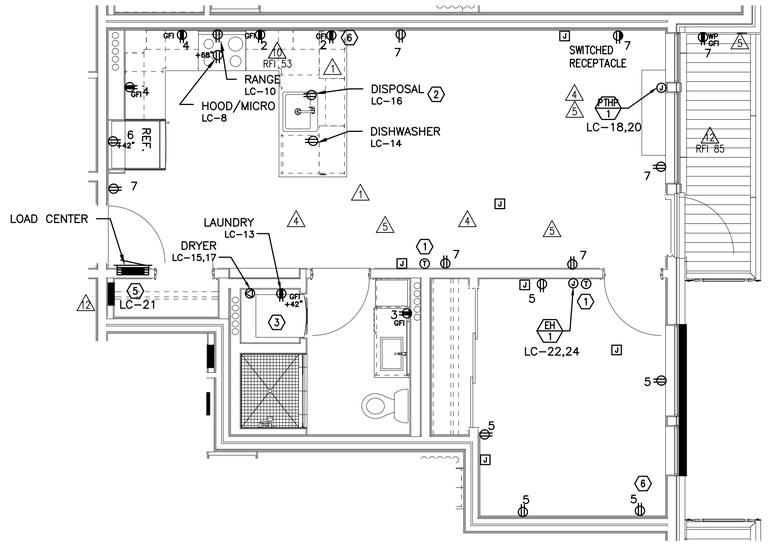
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SHEET:
E4.13

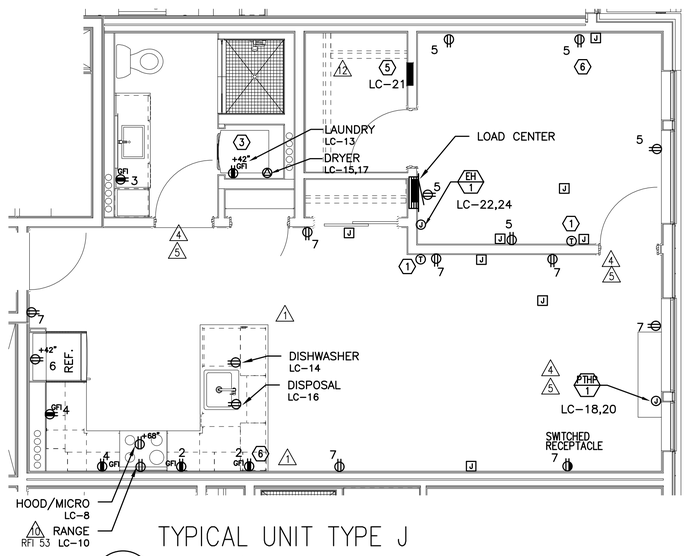
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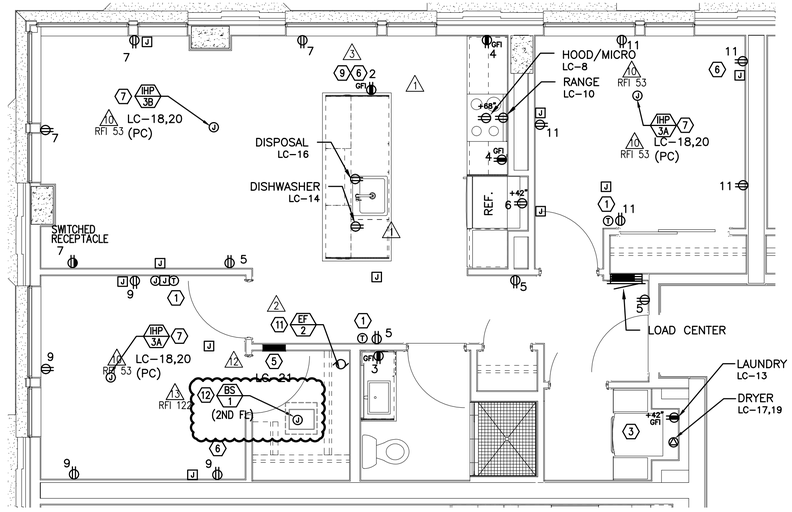
TYPICAL UNIT TYPE H
1 / E4.14 — 0 BED/2 BATH – POWER PLAN
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES:

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

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

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

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

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

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

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

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KEYED NOTES:

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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.

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13 RFI 122 12. PROVIDE POWER CONNECTION FOR BRANCH BOX, TIED INTO THE MINI-SPLIT SYSTEM, FROM THE TENANT LOAD CENTER. COORDINATE WORK WITH THE MECHANICAL EQUIPMENT INSTALLER.

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ROBERT L. CONNELL — STATE OF WASHINGTON — 30653 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES: July 5th, 2020

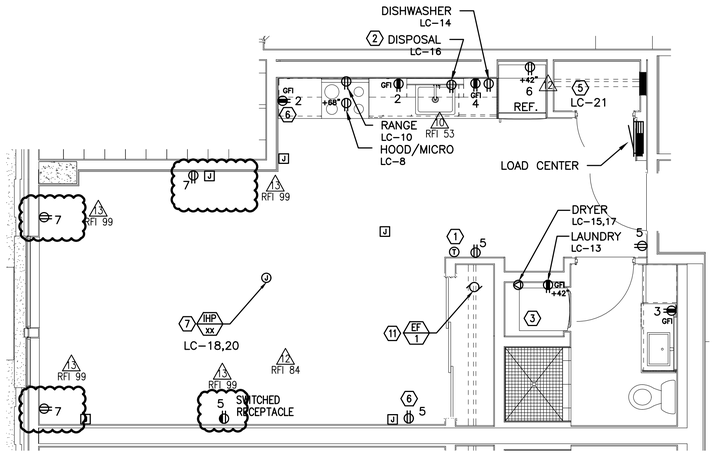
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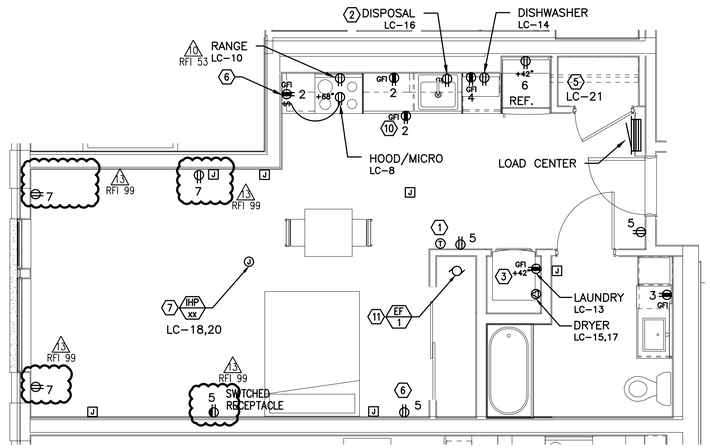
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TYPICAL UNIT TYPE L

1 / E4.15 — 0 BED/1 BATH – POWER PLAN

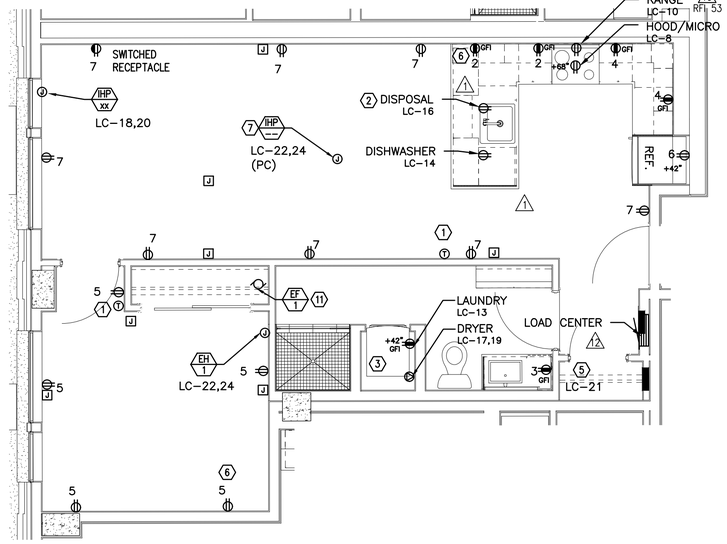
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE L-ADA

2 / E4.15 — 0 BED/1 BATH – POWER PLAN

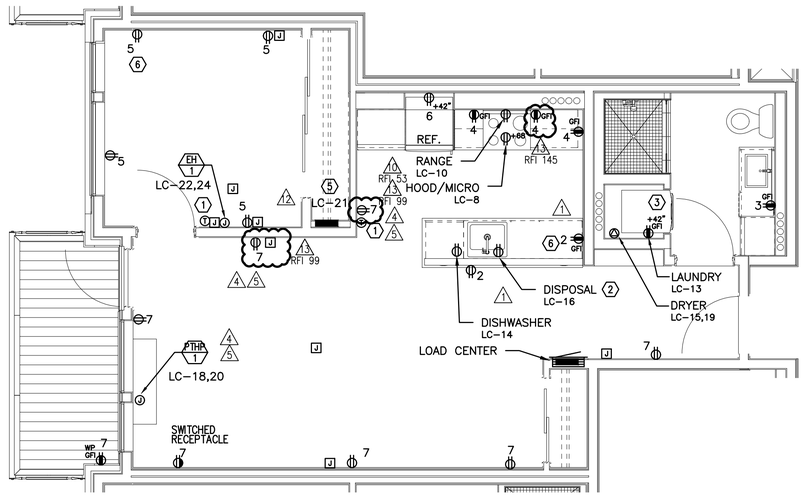
SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE M

3 / E4.15 — 1 BED/1 BATH – POWER PLAN

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



TYPICAL UNIT TYPE N

4 / E4.15 — 1 BED/1 BATH – POWER PLAN

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

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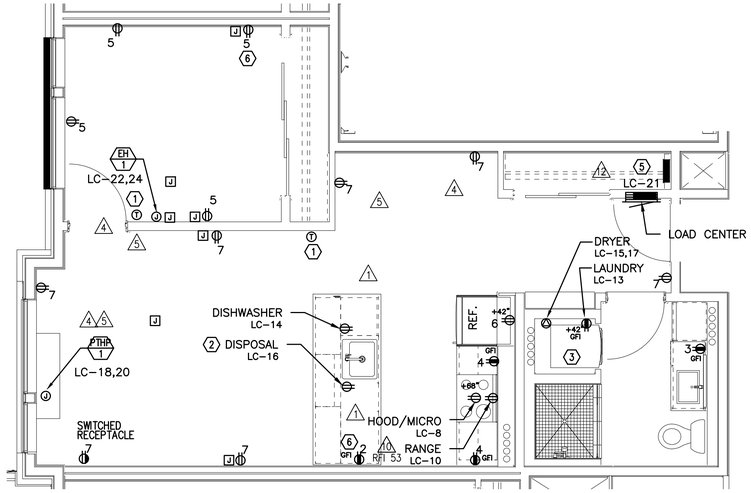
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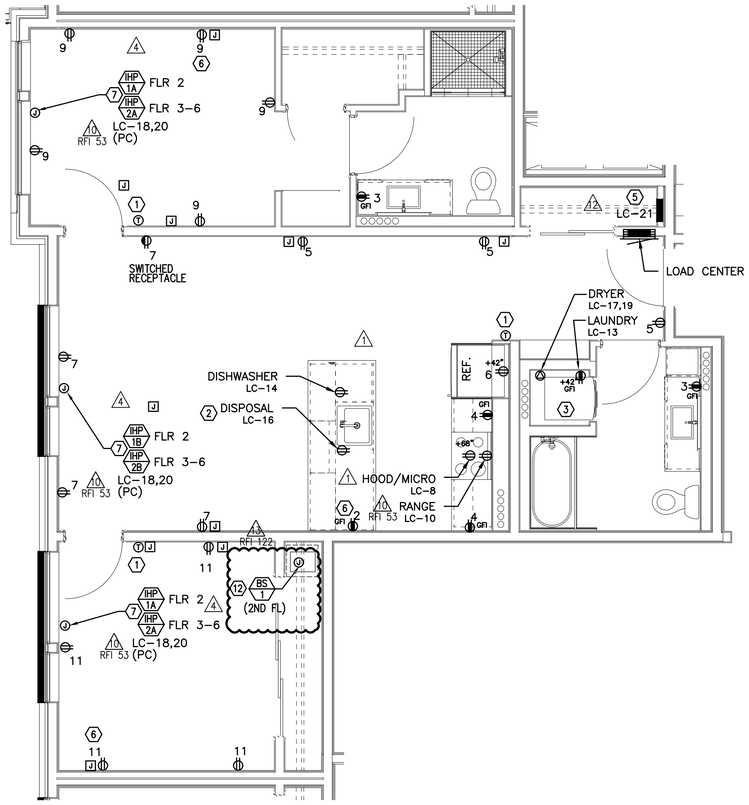
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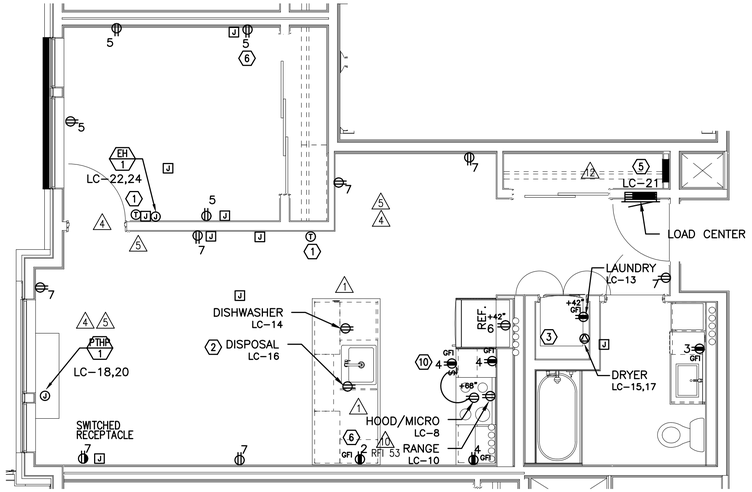
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TYPICAL UNIT TYPE O
1 BED/1 BATH – POWER PLAN
1 / E4.16 SCALE: 1/4" = 1'-0"



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



TYPICAL UNIT TYPE O-ADA
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SHEET:
E4.16

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