

ABBREVIATIONS table with columns for symbol, description, and notes. Includes items like 1P (1 POLE), A (ABOVE CEILING), AC (ABOVE COUNTER), etc.

ELECTRICAL SYMBOLS table with columns for NOTE, HEIGHT, SYMBOL, and DESCRIPTION. Includes symbols for receptacles, switches, and lighting fixtures.

ELECTRICAL SYMBOLS table (continued) with columns for NOTE, HEIGHT, SYMBOL, and DESCRIPTION. Includes symbols for fire alarm devices, annunciators, and control panels.

ELECTRICAL GENERAL NOTES section containing G1 through G12. Includes diagrams for arrowheads, raceway symbols, and panelboard identification examples.

ELECTRICAL SHEET INDEX table listing various schedules and notes from E0.00 to E7.02, including legends, unit plans, and calculation sheets.

Table with columns: No., Description, Date. Contains revision entries.

Revisions

Construction Documents - Progress Set
Lullwater at Ft. Clarke
Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
LEGENDS
SCHEDULES &
NOTES

Date:
September 30, 2022

Sheet Number:

E0.00

2018 IECC Lighting Control Requirements

		Atrium	Classroom, Lecture Hall, Training Room	Conference, Break Room	Corridor1	Lobby	Open Office (>300 sq. ft.)	Parking Garage3	Private Office (<300 sq. ft.)	Restroom	Stairwell2	Storage Room	Façade/ Landscape	Parking Lot/ Other Exterior	Dwelling Units4	Guestrooms5	
Manual Control	Switch		X	X					X	X		X			X	X	
	Dimmer or scene control	X			X	X	X				X				X		
Automatic ON/OFF Control Settings	Timeclock	X											X	X	N/A		
	Occupancy sensor		X	X	X	X	X	X	X	X	X	X			N/A	X	
	Full ON					X	X				X	X			N/A		
		Partial ON	X					X	X					X	X	N/A	
		Manual ON		X	X					X			X			N/A	X
		Full OFF	X	X	X			X	X	X	X		X	X	X	N/A	X
Partial OFF					X		X	X			X		X	X	N/A		
Other	Daylight responsive control	X	X	X	X	X	X	X	X	X	X	X	X	X	N/A		
	Receptacle control														N/A	X	
	Demand response														N/A		

- Notes:**
- 1 Only normal lighting to be controlled in corridors. All emergency egress lighting to remain on 100% of the time.
 - 2 Lighting shall be automatically reduced by 50% of maximum lighting power through dimming each fixture.
 - 3 Astronomical timeclock shall ensure all lights are off during daylight hours. Lights should be scheduled to Partial OFF during night hours. Lighting shall be automatically reduced by 30% of maximum lighting power for night hours except at entrances and exits.
 - 4 Automatic lighting controls are not applicable to dwelling units. Manual control of all lighting will be by either toggle or dimmer switch.
 - 5 Hotel and motel sleeping units and guest suites shall have a master control device that is capable of automatically switching off all installed luminaires and switchedreceptacles within 20 minutes after all occupants leave the room.
 - 6 Switched emergency lighting shall be connected with a UL924 bypass relay.

BUILDING LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS	NOTES
A	FLUSH MOUNTED CEILING LIGHT VOLUME V7530-33	2-60W	
B	FLUSH MOUNTED CEILING LIGHT VOLUME V7006-33	1-60W	
C	TRACK LIGHT, BRUSHED NICKEL PROGRESS P6111-09W	50W MR16	4-HEADS TO BE MOUNTED ON TRACK
D	BATH LIGHT, BRUSHED NICKEL, VOLUME V2333-33	3-100W	
E	CEILING FIXTURE, BRUSHED NICKEL SEAGULL 7747-962	2-60W	
F	MINI PENDANT LIGHT, BRUSHED NICKEL VOLUME V2321-33	1-100W	
G	OUTDOOR WALL LANTERN, MISTED BRONZE SEAGULL 88660-814	1-100W	
H	CEILING LIGHT, BRUSHED NICKEL VOLUME V7309-33	1-60W	
J	CORRIDOR LIGHT FIXTURE E-807506 WH	1-15W	
N	KEYLESS FIXTURE AF K5000 WICFL CAGE	1-100W	
Q	4' 2-LAMP VAPORTIGHT LED WITH POLYCARBONATE HOUSING, WALL MOUNTED.	2-32W	
S	STRIP LED FIXTURE, LITHONIA #	2-32W	
T	RECESSED LED CAN. DAMP LOCATION LISTED, LITHONIA # TRT MVOLT HPF GEB10 IC RATED HOUSING.	1-26W	
UC	CEILING FAN TBD	TBD	
UCL	CEILING FAN WITH LIGHT KIT TBD	1-32W	
X	EXIT SIGN LITHONIA #LQM-SW-3R.	INCLUDED	
L1	7 PORT RECTANGULAR CANOPY TECH LIGHTING	TBD	
L2	CEILING MOUNTED PENDANT TECH LIGHTING	TBD	
L3	RECESSED CAN. DAMP LOCATION LISTED, LITHONIA #IF6 6B4W 26 TRT MVOLT HPF GEB10 IC RATED HOUSING	TBD	
L4	CEILING MOUNTED PENDANT TECH LIGHTING	TBD	LOCATE BOTTOM OF FIXTURE AT 6' AFF
L5	CEILING MOUNTED PENDANT FORECAST LIGHTING	TBD	LOCATE BOTTOM OF FIXTURE AT 8' AFF
L6	CEILING MOUNTED PENDANT TECH LIGHTING	TBD	LOCATE BOTTOM OF FIXTURE AT 5'6" AFF
L7	CEILING MOUNTED SEMI FLUSH TECH LIGHTING	TBD	
L9	CEILING MOUNTED PENDANT TECH LIGHTING	TBD	LOCATE BOTTOM OF FIXTURE AT 6' AFF
L10	4" ROUND FLUSH CANOPY TECH LIGHTING	TBD	
L11	CEILING FAN EMERSON	TBD	
L12	WALL MOUNTED VANITY LIGHT MURRY FEISS	TBD	LOCATE AT BUILDER STANDARD HEIGHT
L13	WALL MOUNTED VANITY LIGHT MURRY FEISS	TBD	LOCATE AT BUILDER STANDARD HEIGHT
L14	LED LIGHTING 3 FORM	TBD	
L15	CEILING MOUNTED 2x4 LED LITHONIA	TBD	
L16	CEILING MOUNTED 2x2 LED LITHONIA	TBD	
L17	CEILING MOUNTED FLUSH MOUNT PROGRESS LIGHTING	TBD	
L18	4' 2-LAMP LED STRIP FIXTURE LITHONIA	TBD	
L19	UP/DOWN, WALL MOUNTED CYLINDER. DAMP LOCATION LISTED, GOTHAM CWU7A	INCLUDED	
L20	WALLPACK, RUGGED DIE CAST ALUMINUM, LITHONIA WST 150M	1-150W MH	
LE	6 VOLT TWIN-HEAD BATTERY LIGHT, SURFACE MOUNTED, LITHONIA ELMZ	INCLUDED	EMERGENCY LIGHT
EM	BUGEYE BEST LIGHTING BST R1	INCLUDED	EMERGENCY LIGHT
X1	EXIT/EGRESS BUGEYE BST EXTEU2RW EM	INCLUDED	EMERGENCY LIGHT
P	WALL SCONCE AT MAINTENANCE		
O1	PARKING LOT LIGHT LITHONIA LIGHTING #KAD-LED-60C-700-XX-R5-MVOLT	125W	
O2	WALL MOUNTED LIGHT LITHONIA #TWH-LED-30C-1000-XX-T3M-MVOLT	104W	
O3	POOL LIGHT PEMCO LIGHTING #DAN-XX-XX-135WXX-U-T4	135W	
O4	BOLLARD LIGHT BEACHSIDE LIGHTING #MB3 OR APPROVED EQUAL	5W	

NOTE: LIGHT FIXTURES TO BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
LUMINAIRE SCHEDULES AND CONTROL MATRIX

Date:
September 30, 2022

Sheet Number:

E0.01

Not Released for Construction

OCCUPANCY SENSOR SCHEDULE

DESCRIPTION	SYMBOL	WATTSTOPPER MODEL NUMBER	UNOBSTRUCTED RATED COVERAGE	MOUNTING	WATTAGE / VOLTAGE	TIME DELAY	NOTES
PASSIVE INFRARED SWITCH	\$ IR	PW-100	300 SF	WALL	800W/120V 1200W/277V	30 MIN.	
PASSIVE INFRARED AREA SENSOR	IR300	WPIR	300 SF	CORNER OF CEILING	24VDC	30 MIN.	1
	IR1000	CX-100	1000 SF	CORNER OF WALL / CEILING	24VDC	30 MIN.	1,2
	IR1200	CI-200	1200 SF	CEILING	24VDC	30 MIN.	1
ULTRASONIC AREA SENSOR	U500	UT-305-1	500 SF	CEILING	24VDC	30 MIN.	1
	U1000	UT-305-2	1000 SF	CEILING	24VDC	30 MIN.	1
DUAL TECHNOLOGY AREA SENSOR	DT2000	DT-200	2000 SF	CORNER OF WALL / CEILING	24VDC	30 MIN.	1,2
	DT1000	DT-305	1000 SF	CEILING	24VDC	30 MIN.	1
	DT1000L	DT-355	1000 SF	CEILING	800W/120V 1200W/277V	30 MIN.	

- NOTES:**
1. SENSOR REQUIRES POWER PACK (INSTALL IN ACCESSIBLE LOCATION)
 2. SWIVEL MOUNTING BRACKET INCLUDED.
- APPROVED ALTERNATES*: COOPER CONTROLS, PASS & SEYMOUR, LEVITON
* ALTERNATE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS INCLUDING SCALED FLOOR PLANS OF DEVICE LOCATIONS AND CUT SHEETS OF DEVICES.

EXTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER CATALOG NO.	LUMEN OUTPUT	NOTES
NOTES: 1. SITE LIGHTING DESIGN IS BASED UPON THE SPECIFIED PRODUCT. APPROVED ALTERNATE MANUFACTURERS ARE LISTED. ALTERNATE FIXTURES SHALL BE OF SIMILAR QUALITY TO THAT SPECIFIED. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING STATED ILLUMINANCE CRITERIA WITH ALTERNATE FIXTURES.				
OA	LED TYPE V 70 CRI 4000K, DARK SKY COMPLIANT, IP66, ALUMINUM HOUSING, 20' POLE	EATON MCGAW EDISON GLEON-AF-06-LED-E1-5WQ		
OB	LED TYPE IV 70 CRI 4000K, DARK SKY COMPLIANT, IP66, ALUMINUM HOUSING, 20' POLE	EATON MCGAW EDISON GLEON-AF-06-LED-E1-SL4-HSS		SPILL LIGHT ELIMINATOR HOUSE SIDE SHIELD
OC	LED TYPE IV 70 CRI 4000K, DARK SKY COMPLIANT, IP66, ALUMINUM HOUSING, 20' POLE	EATON MCGAW EDISON GLEON-AF-06-LED-E1-T4W		WIDE OPTICS
OD	LED TYPE III 70 CRI 4000K, DARK SKY COMPLIANT, IP66, ALUMINUM HOUSING, 20' POLE	EATON MCGAW EDISON GLEON-AF-06-LED-E1-SL3-HSS		SPILL LIGHT ELIMINATOR HOUSE SIDE SHIELD
OW	EXTERIOR LED WALLPACK WITH CAST ALUMINUM HOUSING, FULL CUTOFF OPTICS, 5-YEAR LED WARRANTY	HUBBELL TRP2-24L-30-4K7-3-UNV MCGRAW-EDISON IST-LED SERIES LITHONIA WST SERIES ILP WALL PACK SERIES WCM-44WLED-UNIV-40-4 PHILIPS STONCO LPW16-78BZ NORIBACHI LIGHTING WPC-HEX-021-A-CW-MT	3500-4500 LUMENS	
OWE	EXTERIOR EMERGENCY LED WALLPACK WITH CAST ALUMINUM HOUSING, FULL CUTOFF OPTICS, 5-YEAR LED WARRANTY	HUBBELL TRP2-24L-30-4K7-3-UNV-E MCGRAW-EDISON IST-LED SERIES-BBB LITHONIA WST-ELCW SERIES ILP WALL PACK SERIES WCM-44WLED-UNIV-40-4-FI/ILBCP SIGNIFY STONCO LPW32-50-NW-G3-4 -EBP UNV-BZ NORIBACHI LIGHTING WPC-HEX-021-A-CW-MT-EMC		INTEGRAL 90 MIN. BATTERY

FIRE ALARM SYSTEM SEQUENCE MATRIX										
	SYSTEM SMOKE DETECTORS (1)	ELEVATOR HOISTWAY MACHINE RM LOBBY SMOKE DETECTORS	MANUAL STATIONS	WATERGOWN SWITCHES		SPRINKLER VALVE TAMPER SWITCHES	FIRE PUMP SIGNALS (4)	STAIRWELL DOOR SUI DETECTORS	ELEVATOR HOISTWAY MACHINE RM HEAT DETECTORS	DESIGNATED SMOKE DETECTORS FOR DAMPER CONTROL
NOTES: REFERENCE NUMBERS ARE SHOWN IN PARENTHESES FOR NOTES / NOTATIONS INDICATED BELOW AND IN HEADINGS TO THE RIGHT.										
FACP. DISPLAY AN AUDIBLE/VISUAL ALARM	X	X	X	X		X	X	X	X	X
REMOTE/ANNUNCIATOR. DISPLAY AN AUDIBLE/VISUAL ALARM	X	X	X	X		X	X	X	X	X
AUDIBLE/VISUAL ALARMS. ACTIVATE AUDIBLE/VISUAL APPLIANCES (3)	X		X	X						
FIRE DOOR. RELEASE MAGNETIC DOOR HOLDERS ON AFFECTED FLOOR.	X			X						
ELEVATOR RECALL PER ASME A-17.1 ELEVATOR CODE		X								
ELEVATOR POWER SHUNT TRIPPING PER ASME A-17.1 ELEVATOR CODE									X	
ELEVATOR HOISTWAY SMOKE RELIEF DAMPER OPENS		X								
OPERATE ASSOCIATED SMOKE DAMPERS										X
	1. ANY SYSTEM SMOKE SENSOR NOT LOCATED IN DWELLING UNITS. 2. DWELLING UNIT SMOKE SENSORS: PROVIDE PHOTOELECTRIC TYPE, WITH SOUNDER BASE (MIN. RATING OF 85 dBA, WITH 75 dBA "AT THE PILLOW"). 3. REFER TO SPECS AND AUTHORITY HAVING JURISDICTION REGARDING ACTIVATION OF NOTIFICATION APPLIANCES ON OTHER FLOORS (I.E. GENERAL ALARM VS. INCIDENT FLOOR/FLOOR ABOVE/FLOOR BELOW) 4. RUN AND FAULT SIGNALS									

No.	Description	Date
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Ft. Clarke, Florida

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Sheet Title:
ELECTRICAL CONTROL SCHEDULES

Date:
September 30, 2022

Sheet Number:

E0.02

ELECTRICAL SITE UNDERGROUND NOTES

1. COORDINATE UTILITY CONNECTION REQUIREMENTS WITH LOCAL UTILITY
2. SEE RISER DIAGRAM SHEET FOR FEEDER SCHEDULES.
3. COORDINATE ALL UNDERGROUND RUNS WITH CIVIL PLANS AND WATER AND GAS UTILITIES.
4. ALL BELOW GRADE ELBOWS OR SWEEPS SHALL BE IN RIGID CONDUIT. ELBOWS OR SWEEPS PENETRATING FOUNDATION TO ABOVE GRADE MAY BE IN RIGID OR EMT CONDUIT.
5. VOLTAGE DROP CALCULATIONS HAVE BEEN PERFORMED FOR SERVICES INDICATED ON THIS PLAN. SHOULD DIFFERENT ROUTINGS BE REQUIRED, CONSULT ENGINEER FOR REVISED CALCULATIONS.
6. MINIMUM ELBOW RADIUS SHALL BE 12 INCHES. ELBOW RADIUS SHALL BE SIZED SUCH THAT CABLE PULLING SIDEWALL PRESSURE IS NOT EXCEEDED.
7. SECONDARY FEEDERS SHALL BE BURIED A MINIMUM 36 INCHES BELOW FINISHED GRADE.
8. CONDUITS PASSING UNDER DRIVEWAYS AND HEAVY VEHICULAR TRAFFIC WAYS SHALL BE REINFORCED IN CONCRETE TO 5 FEET BEYOND THE AFFECTED AREA EITHER SIDE.
9. COORDINATE ALL UNDERGROUND CONDUIT RUNS WITH OTHER UNDERGROUND UTILITIES FOR MINIMUM CLEARANCES AND EASEMENTS.

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

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Sheet Title:
SITE ELECTRICAL PLAN

Date:
September 30, 2022

Sheet Number:

E1.00





SITE LIGHTING NOTES

1. SEE SITE UNDERGROUND DRAWING FOR ELECTRICAL SERVICE/UTILITY ROUTING AND DETAILS.
2. COORDINATE ALL UNDERGROUND LIGHTING RUNS WITH CIVIL PLANS AND WATER AND GAS UTILITIES FOR MINIMUM CLEARANCES AND EASEMENTS.
3. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL AND TIMECLOCK. SEE LIGHTING CONTROL MATRIX.
4. ALL UNDERGROUND SHALL BE IN CONDUIT WITH MINIMUM 18" BURIAL DEPTH. PROVIDE PULLBOXES/HANDHOLES AS REQUIRED.
5. ALL SITE LIGHTING SHALL USE #10 AWG UP TO 300 FEET AND #8 AWG UP TO 500 FEET UNLESS NOTED OTHERWISE.
6. EACH SITE LIGHTING CIRCUIT SHALL BE CONTROLLED VIA PHOTOCELL / TIMECLOCK
7. CONDUITS PASSING UNDER DRIVEWAYS AND HEAVY VEHICULAR TRAFFIC WAYS SHALL BE REINFORCED IN CONCRETE.
8. SEE CIVIL/LANDSCAPE LIGHTING DRAWINGS FOR EXACT LOCATION AND SCHEDULE FOR EXTERIOR SITE LIGHTING.

No.	Description	Date
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Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

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Sheet Title:
SITE LIGHTING PLAN

Date:
September 30, 2022

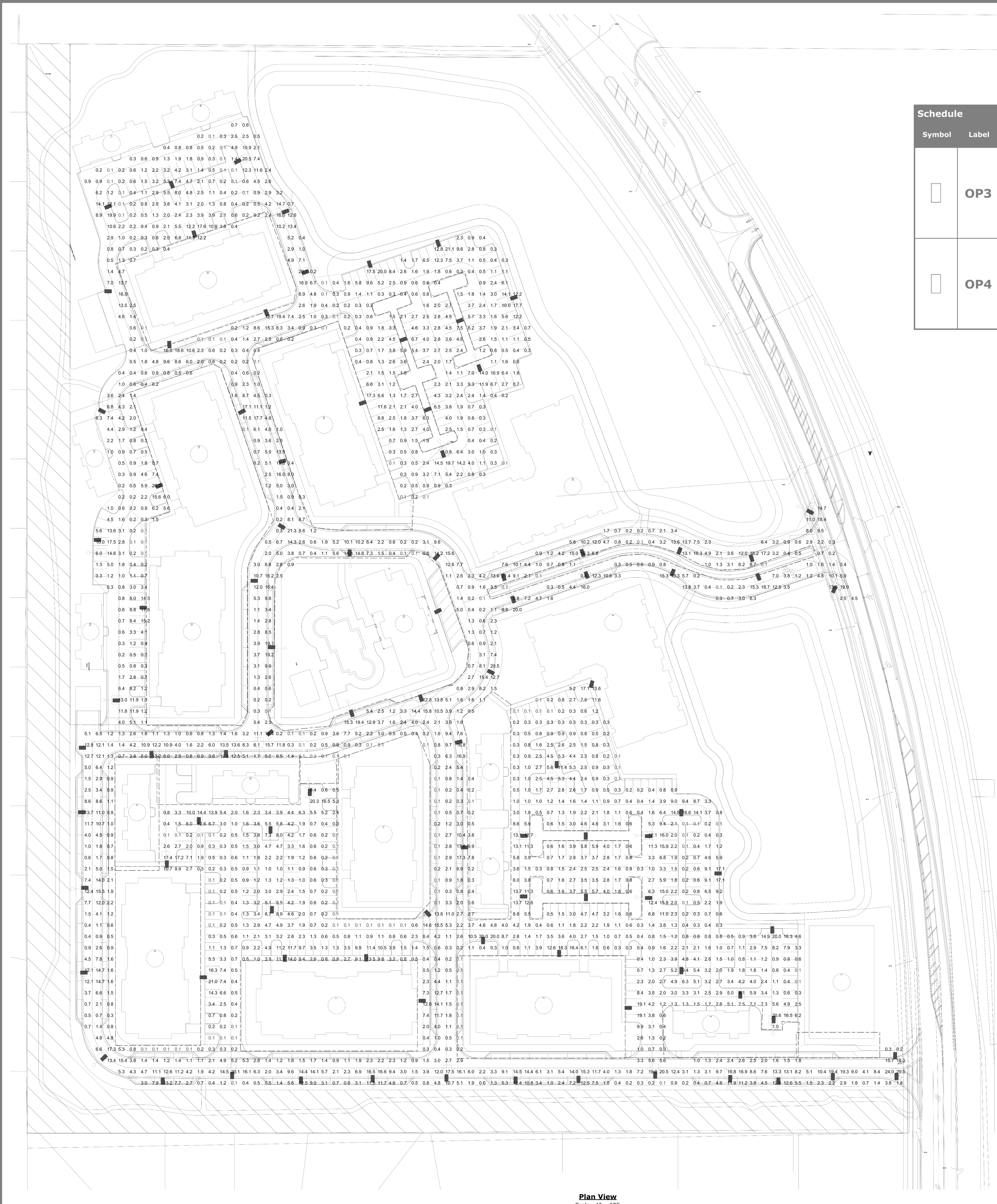
Sheet Number:

E1.01



Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
[Symbol]	OP3		82	Lithonia Lighting	DSX2 LED P1 50K BLC MVOLT	DSX2 LED P1 50K BLC MVOLT	1	15735	1	140	 Max: 11232cd
[Symbol]	OP4		12	Lithonia Lighting	DSX2 LED P1 50K T5W MVOLT	DSX2 LED P1 50K T5W MVOLT	1	19795	1	140	 Max: 8145cd

Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	
SITE LIGHTING	+	3.9 fc	29.5 fc	0.1 fc	295.0:1	39.0:1	



Plan View
Scale - 1" = 60ft

Designer
Date
09/23/2022
Scale
Not to Scale
Drawing No.
Summary

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

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Sheet Title:
SITE PHOTOMETRIC PLAN

Date:
September 30, 2022

Sheet Number:

PLUMBING EQUIPMENT CONNECTION SCHEDULE						
UNIT TAG	LOAD	UNIT DESCRIPTION	FEEDER SIZE	DISCONNECT FRAME / POLE / ENCLOSURE / FUSE SIZE	BREAKER SIZE	REMARKS
<u>Water Heater - Elec.</u>		#N/A	#N/A			
WHE-1	4.5 KW	WATER HEATER ELECTRIC	2#10, #10G, 1/2"C	30 / 2 / 1	25 / 2	1 BED UNITS
WHE-2	4.5 KW	WATER HEATER ELECTRIC	2#10, #10G, 1/2"C	30 / 2 / 1	25 / 2	2-3 BED UNITS
<u>Sump Pumps</u>						
ESP-1...	0.5 HP	SUMP PUMP ELEVATOR	2#12, #12G, 1/2"C	MOTOR RATED SWITCH	20 / 1	ELEVATOR BLDG TYPE V
<u>Heat Trace</u>						
Section 1	0.4 KW	HEAT TRACE	2#12, #12G, 1/2"C	MOTOR RATED SWITCH	20 / 1	100 LF
NOTES						
1. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH DIVISION 23 PRIOR TO ROUGH-IN.						
2. INDOOR UNIT SHALL BE CIRCUITED TO OUTDOOR UNIT. PROVIDE REQUIRED CONDUIT AND CONDUCTORS AND CONNECT.						

MECHANICAL EQUIPMENT CONNECTION SCHEDULE						
UNIT TAG	LOAD	UNIT DESCRIPTION	FEEDER SIZE	DISCONNECT FRAME / POLE / ENCLOSURE / FUSE SIZE	BREAKER SIZE	REMARKS
HVAC						
<u>Fans</u>						
EF-A	0.4 A	EXHUAUST FAN	2#12, #12G, 1/2"C	MOTOR RATED SWITCH	20 / 1	UNIT BATH
EF-C	1.4 A	EXHUAUST FAN	2#12, #12G, 1/2"C	MOTOR RATED SWITCH	20 / 1	PUBLIC BATH
EF-D	1.8 A	EXHUAUST FAN	2#12, #12G, 1/2"C	MOTOR RATED SWITCH	20 / 1	PUBLIC BATH
EF-E	5.8 A	EXHUAUST FAN	2#12, #12G, 1/2"C	MOTOR RATED SWITCH	20 / 1	POOL EQ RM
EF-F	1.8 A	EXHUAUST FAN	2#12, #12G, 1/2"C	MOTOR RATED SWITCH	20 / 1	MAINT/DOG WASH
<u>Air Handlers (INDOOR)</u>						
AH-A	29.8 A	AIR HANDLER	2#10, #10G, 1/2"C	DIVISION 23	30 / 2	
AH-B	43.0 A	AIR HANDLER	2#8, #10G, 3/4"C	DIVISION 23	45 / 2	
AH-C	43.0 A	AIR HANDLER	2#8, #10G, 3/4"C	DIVISION 23	45 / 2	
AH-D	43.0 A	AIR HANDLER	2#6, #10G, 1"C	DIVISION 23	60 / 2	
AH-1	58.6 A	AIR HANDLER	2#6, #10G, 1"C	DIVISION 23	60 / 2	
AH-2	83.6 A	AIR HANDLER	2#4, #8G, 1 1/4"C	DIVISION 23	90 / 2	
AH-3	83.6 A	AIR HANDLER	2#4, #8G, 1 1/4"C	DIVISION 23	90 / 2	
<u>Air Handlers (OUTDOOR)</u>						
HP-A	8.3 A	HEAT PUMP	2#12, #12G, 1/2"C	30 / 2 / 1	15 / 2	
HP-B	11.2 A	HEAT PUMP	2#12, #12G, 1/2"C	30 / 2 / 1	15 / 2	
HP-C	15.5 A	HEAT PUMP	2#10, #10G, 1/2"C	30 / 2 / 1	25 / 2	
HP-D	21.0 A	HEAT PUMP	2#8, #10G, 3/4"C	60 / 2 / 1	35 / 2	
HP-1	26.2 A	HEAT PUMP	2#8, #10G, 3/4"C	60 / 2 / 1	45 / 2	
HP-2	27.2 A	HEAT PUMP	2#8, #10G, 3/4"C	60 / 2 / 1	45 / 2	
HP-3	28.2 A	HEAT PUMP	2#8, #10G, 3/4"C	60 / 2 / 1	45 / 2	
<u>Thru-wall units</u>						
PTHP-A	6.8 A	PACKAGED TERMIAL HEAT PUMP	2#12, #12G, 1/2"C	30 / 2 / 1	20 / 2	MAINT
<u>Electric Heaters</u>						
EWH-A	12.9 A	ELECTRIC WALL HEATER	2#12, #12G, 1/2"C	DIVISION 23	20 / 2	
EUH-A	20.8 A	ELECTRIC UNIT HEATER	2#10, #10G, 1/2"C	DIVISION 23	30 / 2	
EUH-B	13.7 A	ELECTRIC UNIT HEATER	2#12, #12G, 1/2"C	DIVISION 23	20 / 2	
NOTES						
1. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH DIVISION 23 PRIOR TO ROUGH-IN.						
2. INDOOR UNIT SHALL BE CIRCUITED TO OUTDOOR UNIT. PROVIDE REQUIRED CONDUIT AND CONDUCTORS AND CONNECT.						



Planning · Architecture
Landscape Architecture

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No.	Description	Date
	Revisions	

Construction Documents - Progress Set Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

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Sheet Title:
ELECTRICAL EQUIPMENT CONNECTION SCHEDULES
Date:
September 30, 2022

Sheet Number:

E1.10

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

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Sheet Title:
PANEL SCHEDULES

Date:
September 30, 2022

Sheet Number:

DISTRIBUTION PANEL: HPML
LOCATION: SUPPLIED FROM: MOUNTING: SURFACE NEMA ENCLOSURE: NEMA 3R
VOLTAGE: 208/120 WYE PHASE: 3 WIRE: 4
A.I.C. RATING: 22KAIC MAIN TYPE: MCB MAIN RATING: 400 A

BRANCH PANEL: HPM
LOCATION: SUPPLY FROM: MOUNTING: SURFACE NEMA ENCLOSURE: NEMA 3R
VOLTAGE: 120/240 SINGLE PHASE: 1 WIRE: 3
A.I.C. RATING: 10KAIC MAIN TYPE: MLO MCB RATING: 30 A PANEL RATING: 30 A

BRANCH PANEL: HPL
LOCATION: SUPPLY FROM: MOUNTING: SURFACE NEMA ENCLOSURE: NEMA 3R
VOLTAGE: 208/120 WYE PHASE: 3 WIRE: 4
A.I.C. RATING: 22KAIC MAIN TYPE: MCB MCB RATING: 200 A PANEL RATING: 200 A

BRANCH PANEL: HPT
LOCATION: SUPPLY FROM: MOUNTING: SURFACE NEMA ENCLOSURE: NEMA 3R
VOLTAGE: 208/120 WYE PHASE: 3 WIRE: 4
A.I.C. RATING: 10KAIC MAIN TYPE: MLO MCB RATING: 100 A

BRANCH PANEL: HP20

LOCATION: _____ VOLTAGE: 120/240 SINGLE A.I.C. RATING: 22KAIC
 SUPPLY FROM: _____ PHASE: 1 MAIN TYPE: MLO
 MOUNTING: SURFACE WIRE: 3 PANEL RATING: 100 A
 NEMA ENCLOSURE: NEMA 3R

CKT	TRIP TYPE	TRIP / POLES	DESCRIPTION	LITES (KVA)	RCPT (KVA)	MTR (KVA)	A/C (KVA)	HEAT (KVA)	KTCH (KVA)	MISC (KVA)	PHASE			MISC (KVA)	KTCH (KVA)	HEAT (KVA)	A/C (KVA)	MTR (KVA)	RCPT (KVA)	LITES (KVA)	DESCRIPTION	TRIP / POLES	TRIP TYPE	CKT
											A	B	C											
1	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	2
3	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	4
5	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	6
7	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	8
9	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	10
11	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	12
13	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	14
15	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	16
17	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	18
19	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	20
21	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	22
23	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	24
25	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	26
27	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	28
29	--	--	20A/1P SPARE																		20A/1P SPARE	--	--	30
TOTAL:				LITES	RCPT	MTR	A/C	HEAT	KTCH	MISC	TOTAL:			PHASE A	PHASE B	PHASE C								
										0.0				0.0	0.0	0.0								

LOAD TYPES:

LOAD TYPES:	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
LITES - LIGHTING:	0 VA	0 VA	
RCPT - RECEPTACLES:	0 VA	0 VA	TOTAL CONNECTED LOAD (KVA): 0.0
MTR - MOTORS:	0 VA	0 VA	TOTAL DEMAND LOAD (KVA): 0.0
A/C - A/C:	0 VA	0 VA	TOTAL CONNECTED LOAD (AMPS): 0.0
HEAT - HEATING:	0 VA	0 VA	TOTAL DEMAND LOAD (AMPS): 0.0
KTCH - KITCHEN:	0 VA	0 VA	
MISC - MISCELLANEOUS:	0 VA	0 VA	AMPACITY REQUIRED: 0 A
EV - ELECTRIC VEHICLE	0 VA	0 VA	

NOTES:
BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE FIELD-EQUIPPED WITH A MANUALLY OPERATED HANDLE-TIE DEVICE TO ENSURE THAT ALL UNGROUNDED CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.

No.	Description	Date
Revisions		

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
PANEL SCHEDULES

Date:
September 30, 2022

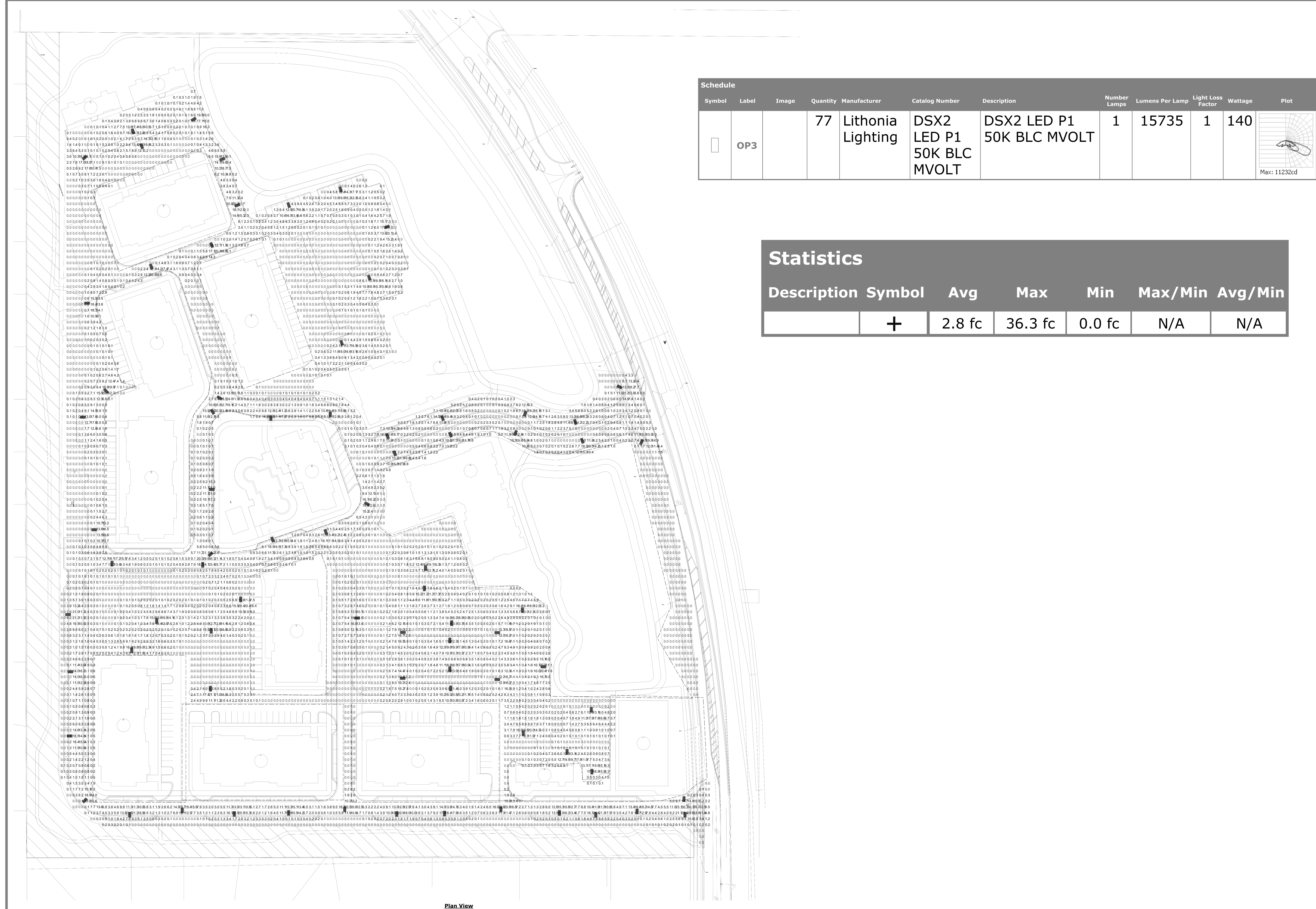
Sheet Number:

E1.16



Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
□	OP3		77	Lithonia Lighting	DSX2 LED P1 50K BLC MVOLT	DSX2 LED P1 50K BLC MVOLT	1	15735	1	140	 Max: 11232cd

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
	+	2.8 fc	36.3 fc	0.0 fc	N/A	N/A



Plan View
Scale: 1" = 60'

Designer
Date
09/23/2022
Scale
Not to Scale
Drawing No.
Summary

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

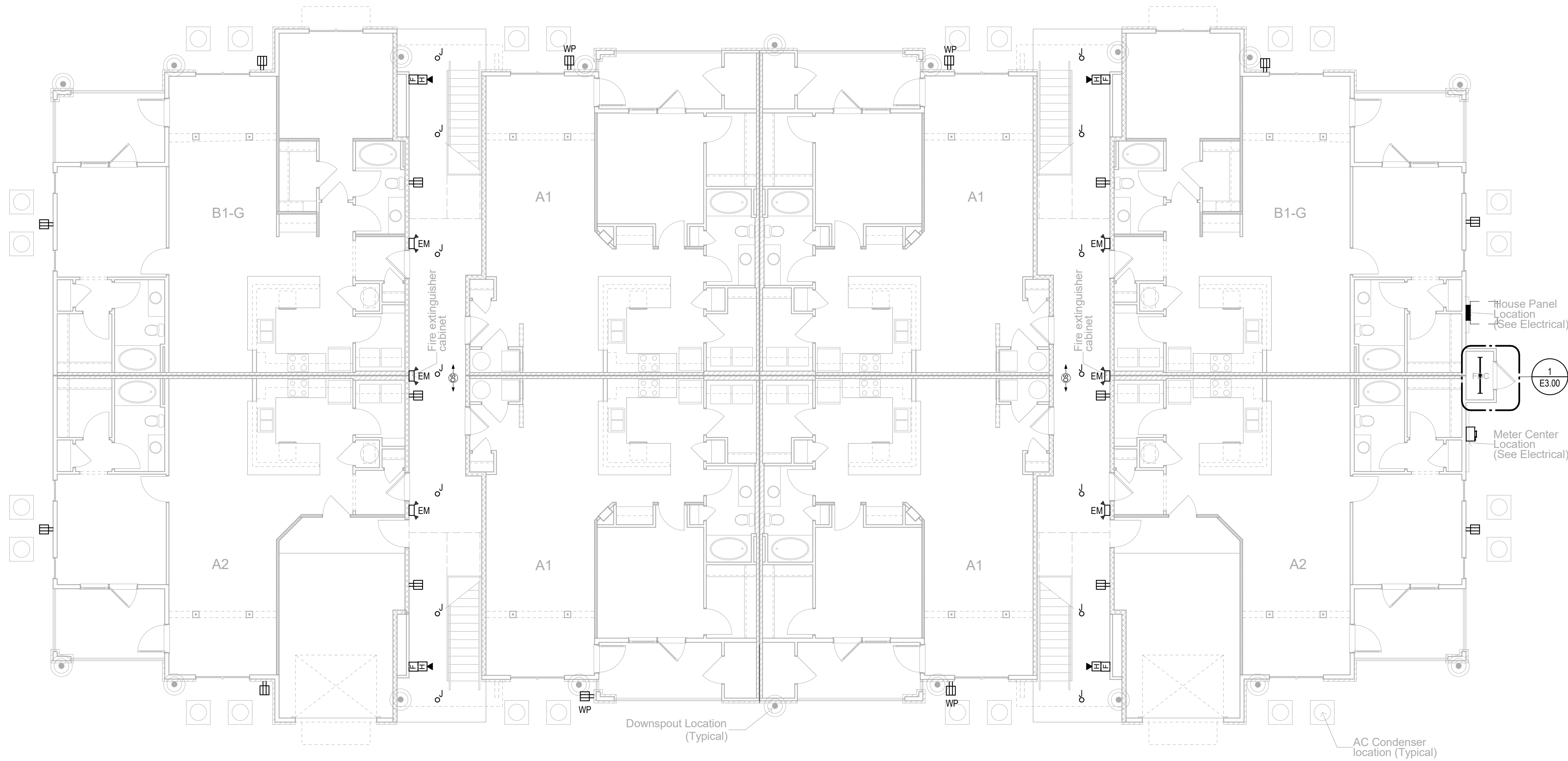
A Residential Development by Ft. Clarke Apartments Residences, LLC

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Sheet Title:
SITE
PHOTOMETRICS

Date:
September 30, 2022

Sheet Number:



- GENERAL NOTES**
- WHERE CONNECTED TO A 20A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
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 - REFER TO SECTION 26 0519 FOR MINIMUM CONDUCTOR SIZE ADJUSTMENTS FOR VOLTAGE DROP.
**FOR TYPICAL PROJECTS WHERE WIRING IS SHOWN, SELECT THESE NOTES (EDIT AS NEEDED):
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- GENERAL NOTES**
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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

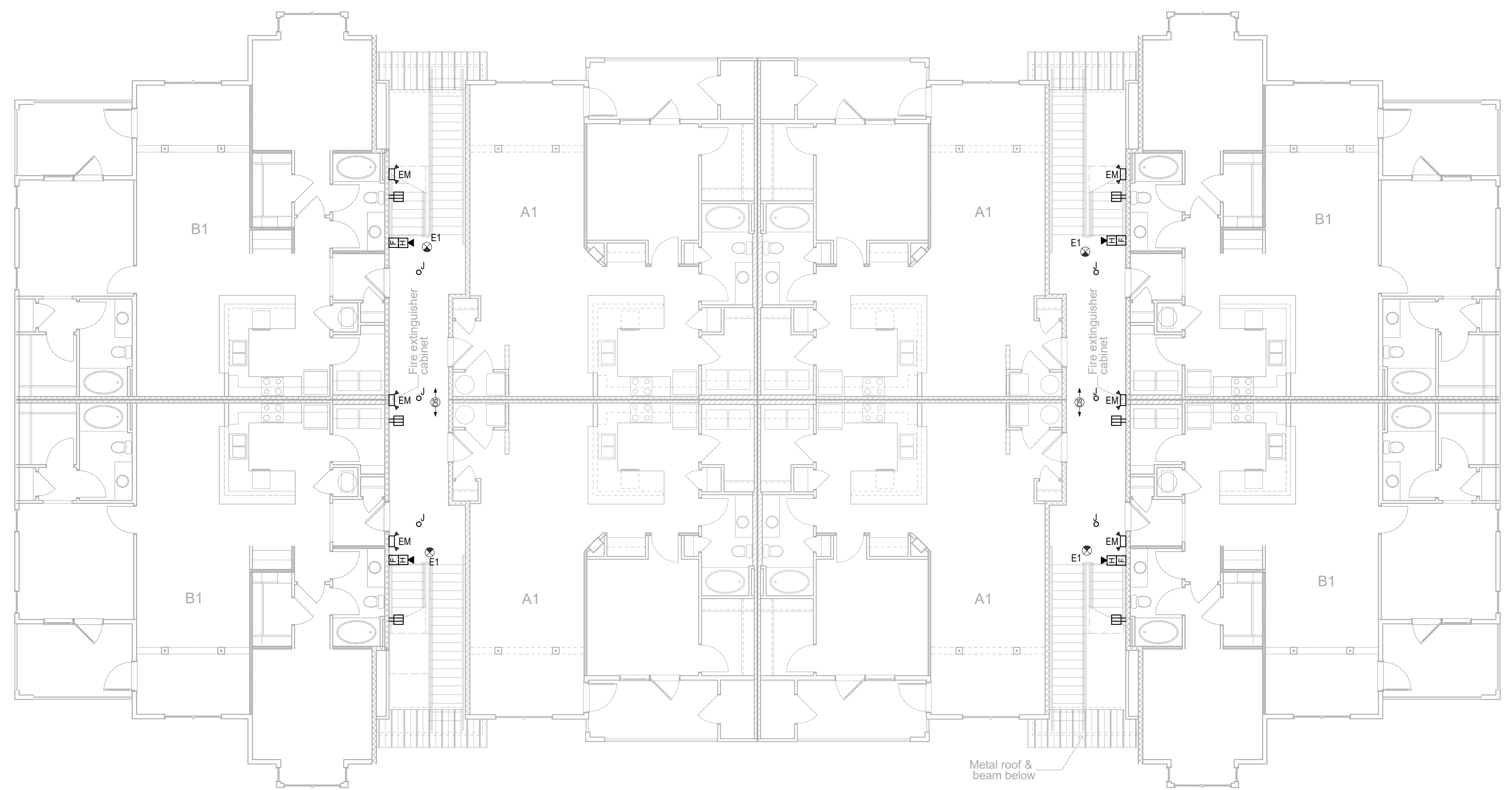
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Sheet Title:
BUILDING PLANS, TYPE I, FIRST & SECOND LEVEL PLANS - ELECTRICAL
September 30, 2022

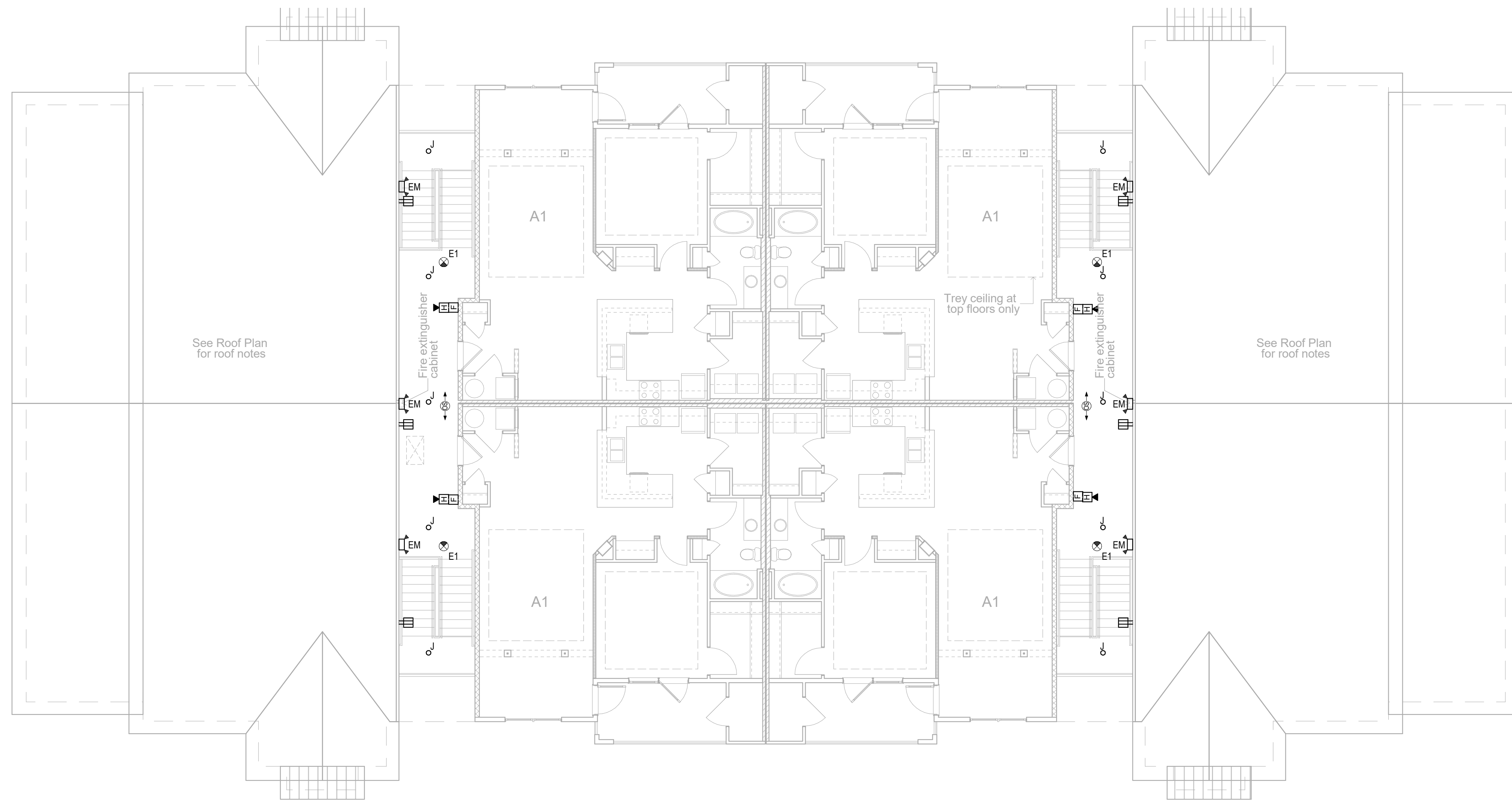
Sheet Number:

E2.01

1 LEVEL 1 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



2 LEVEL 2 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

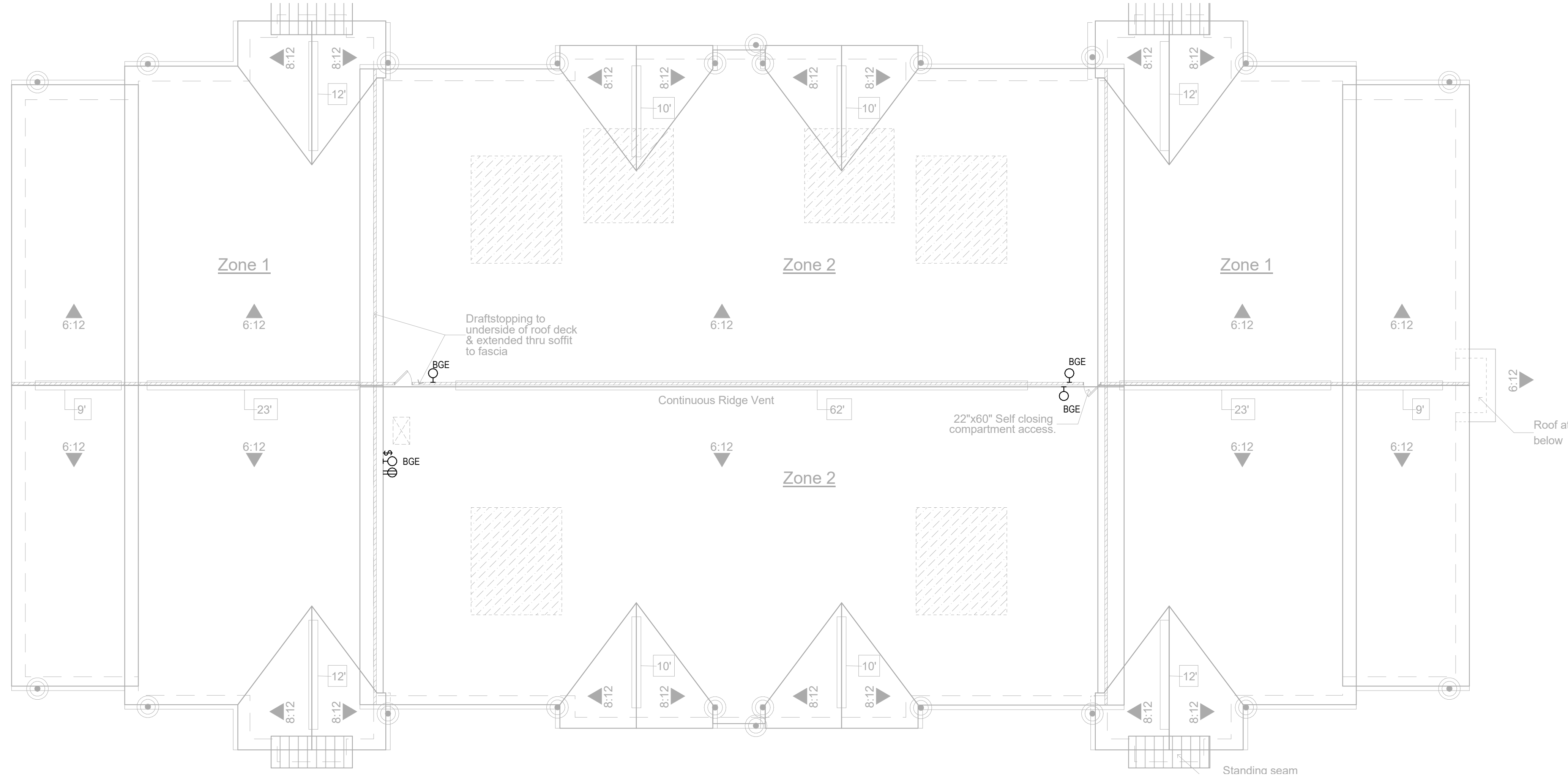
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Sheet Title:
BUILDING PLANS, TYPE I, THIRD LEVEL PLAN & ROOF PLAN - ELECTRICAL
September 30, 2022

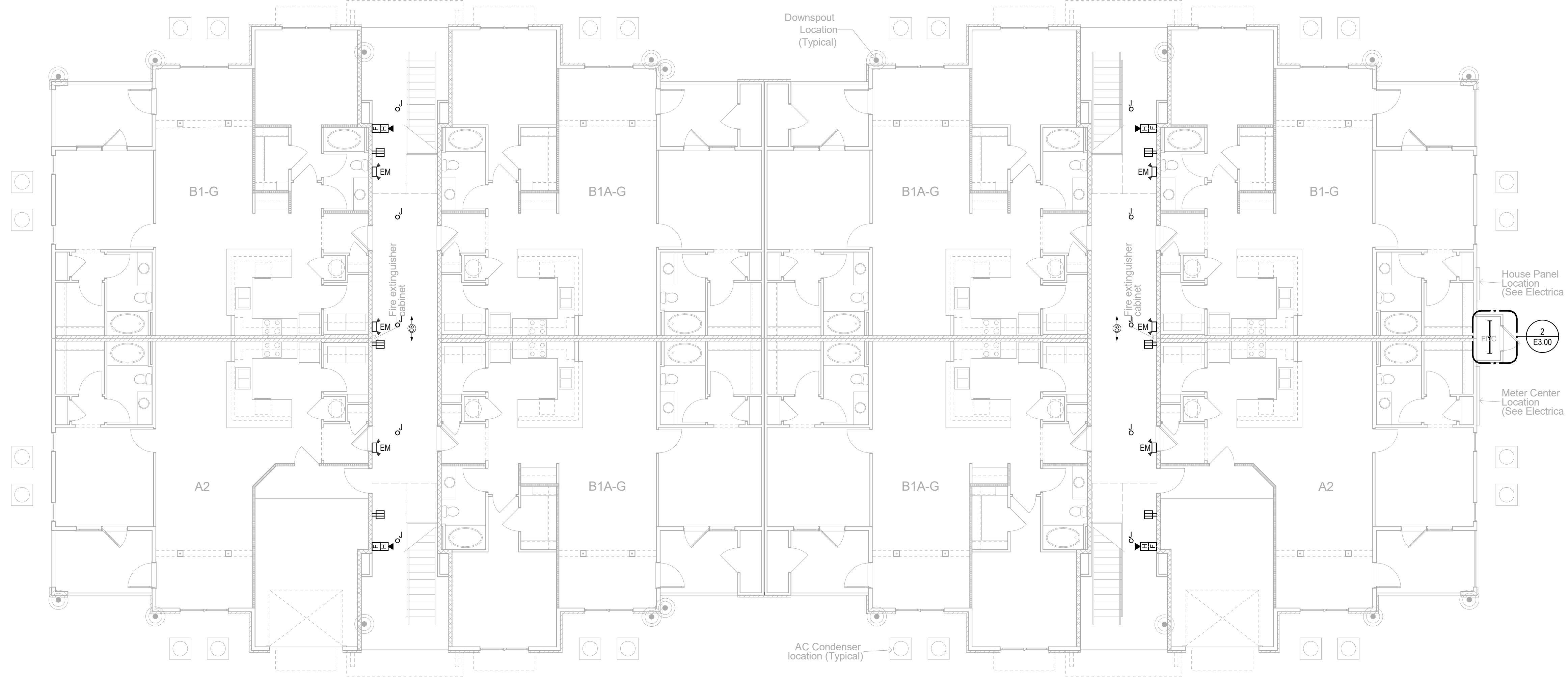
Sheet Number:

E2.02

1 LEVEL 3 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



2 ROOF ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

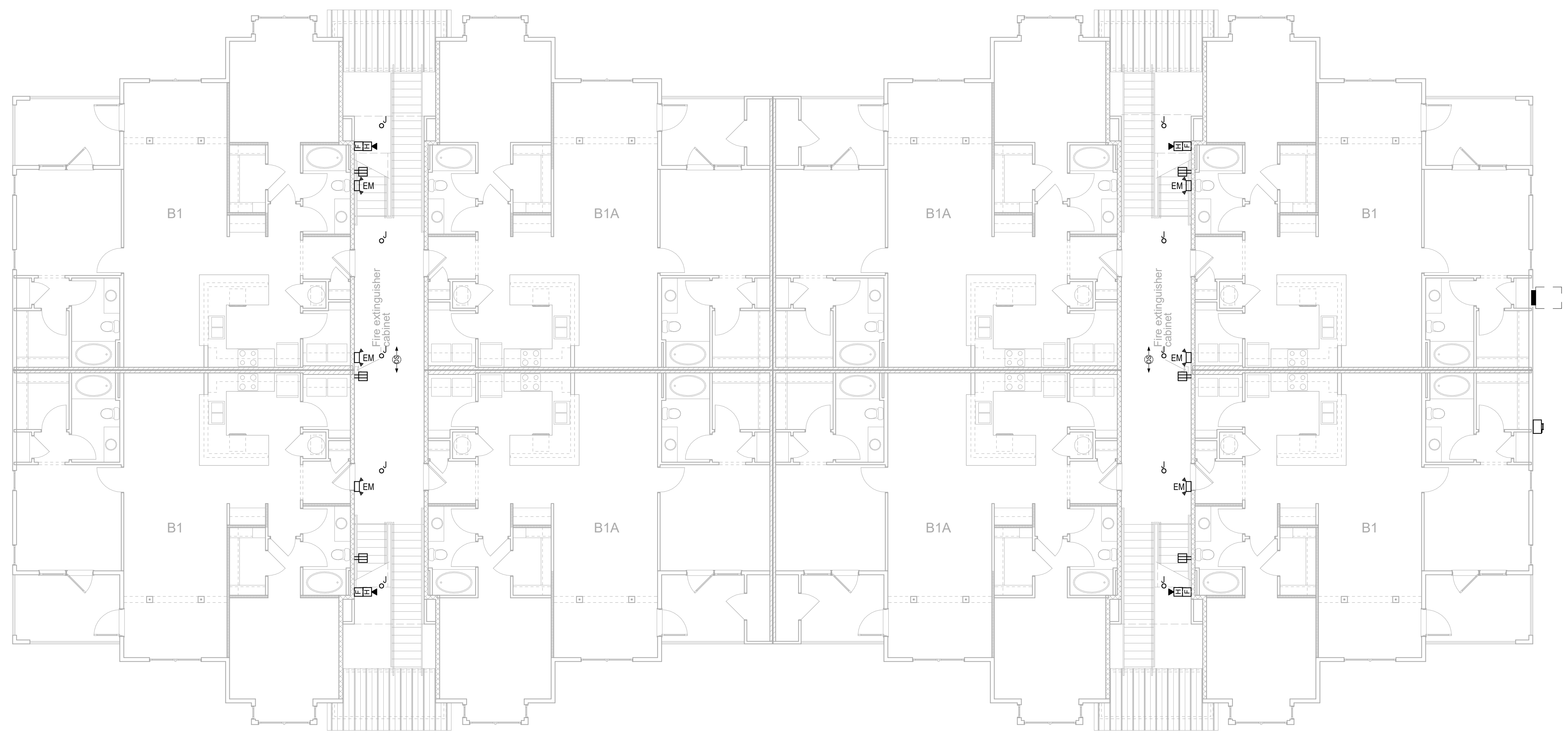
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Sheet Title:
BUILDING PLANS, TYPE II, FIRST & SECOND LEVEL PLANS - ELECTRICAL
September 30, 2022

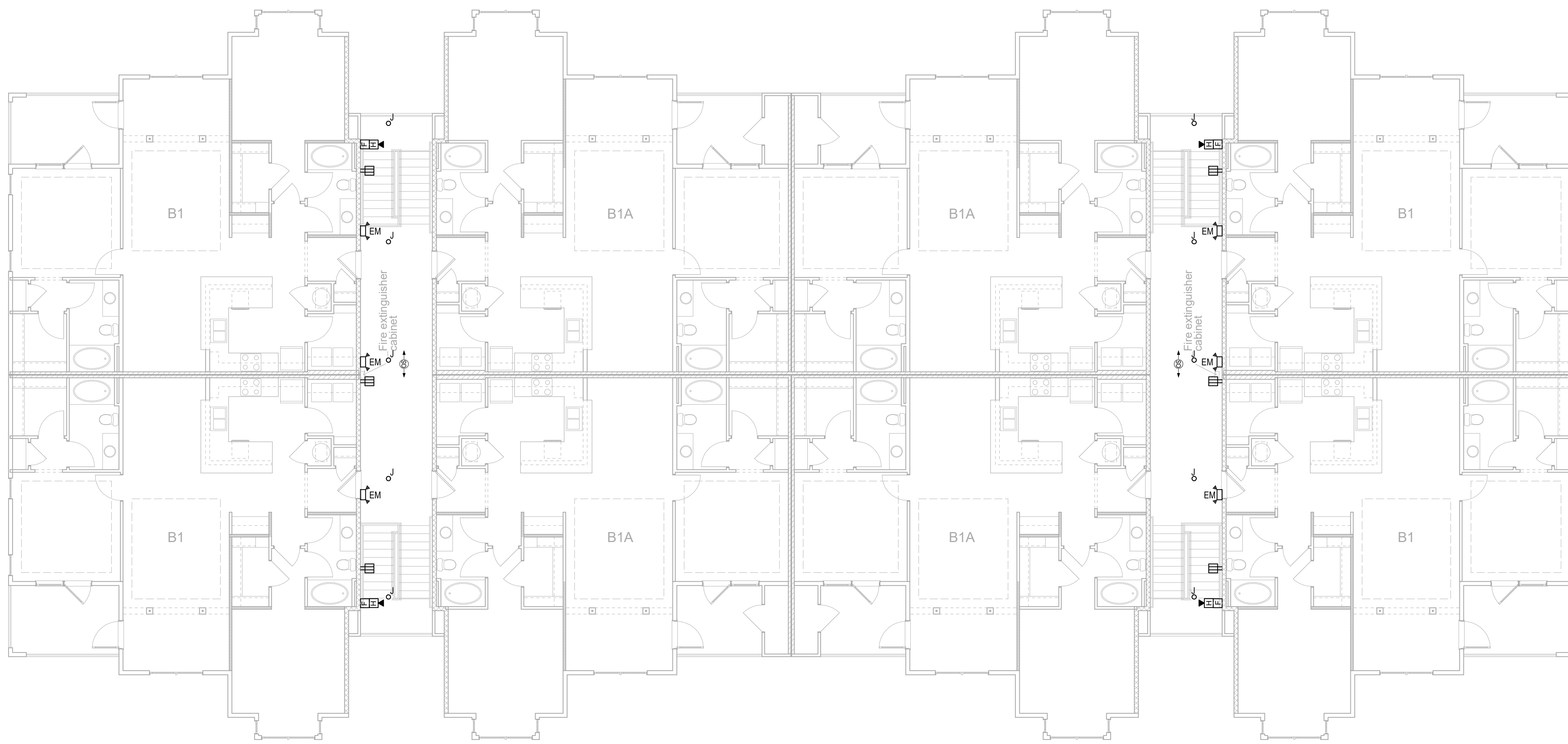
Sheet Number:

E2.03

1 LEVEL 2 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



2 LEVEL 2 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

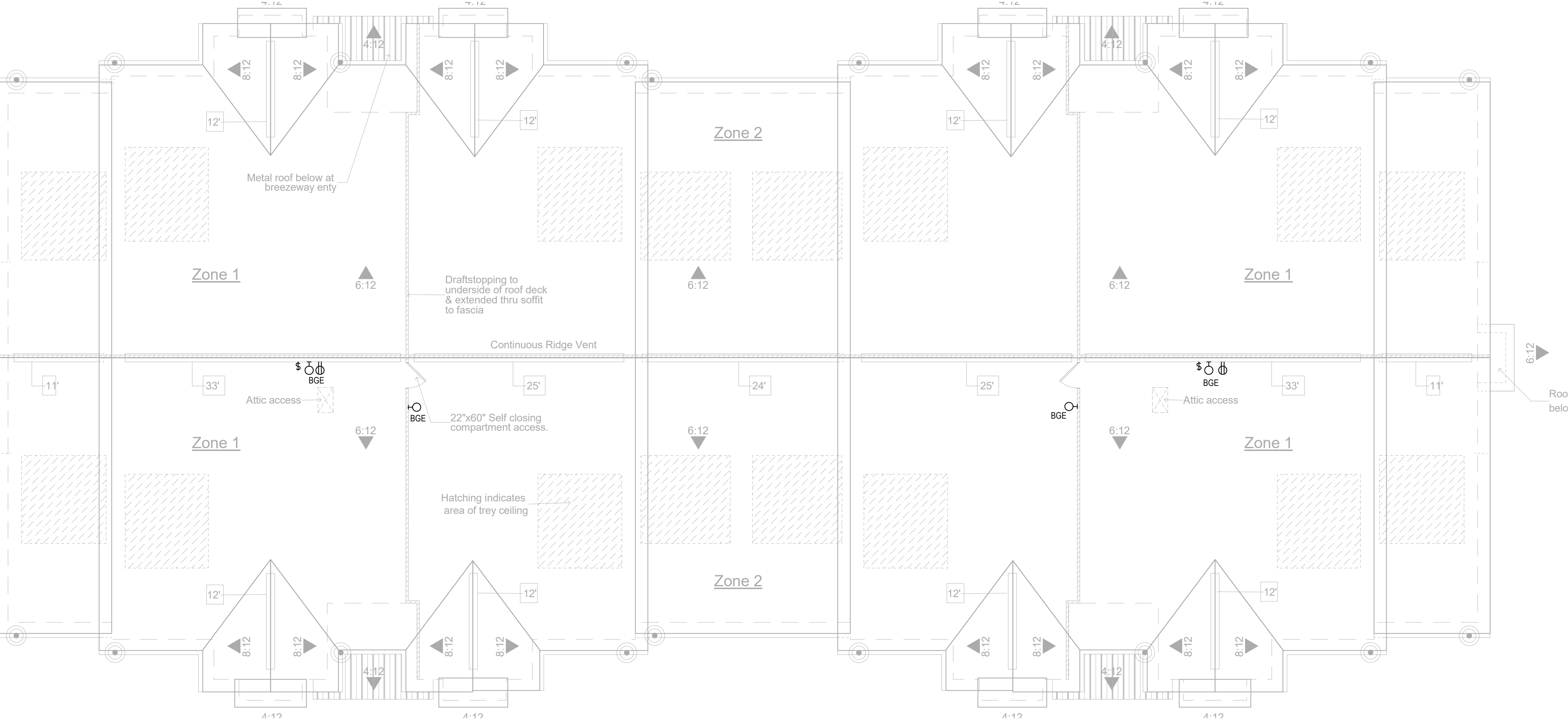
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Sheet Title:
BUILDING PLANS, TYPE II, THIRD LEVEL PLAN & ROOF PLAN - ELECTRICAL
September 30, 2022

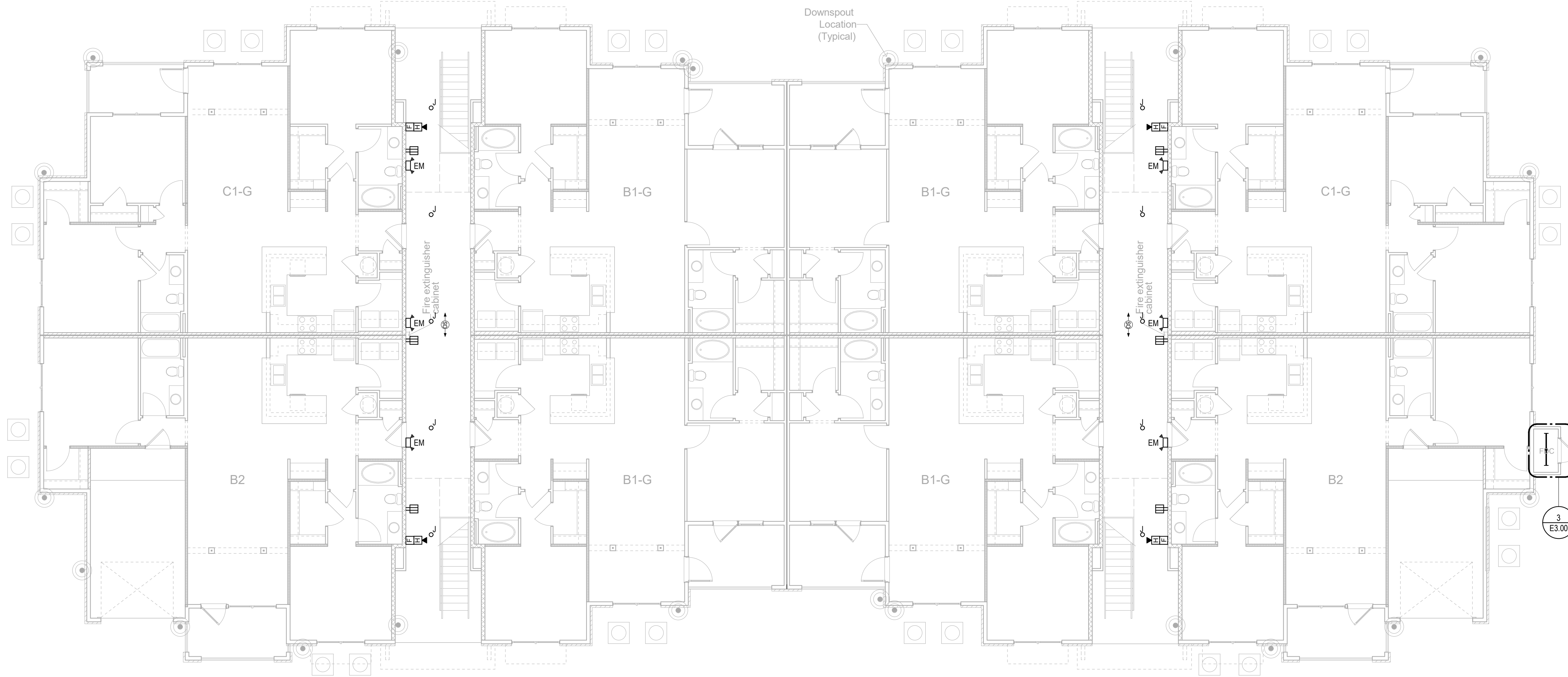
Sheet Number:

E2.04

1 LEVEL 3 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



2 ROOF ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



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Ft. Clarke, Florida

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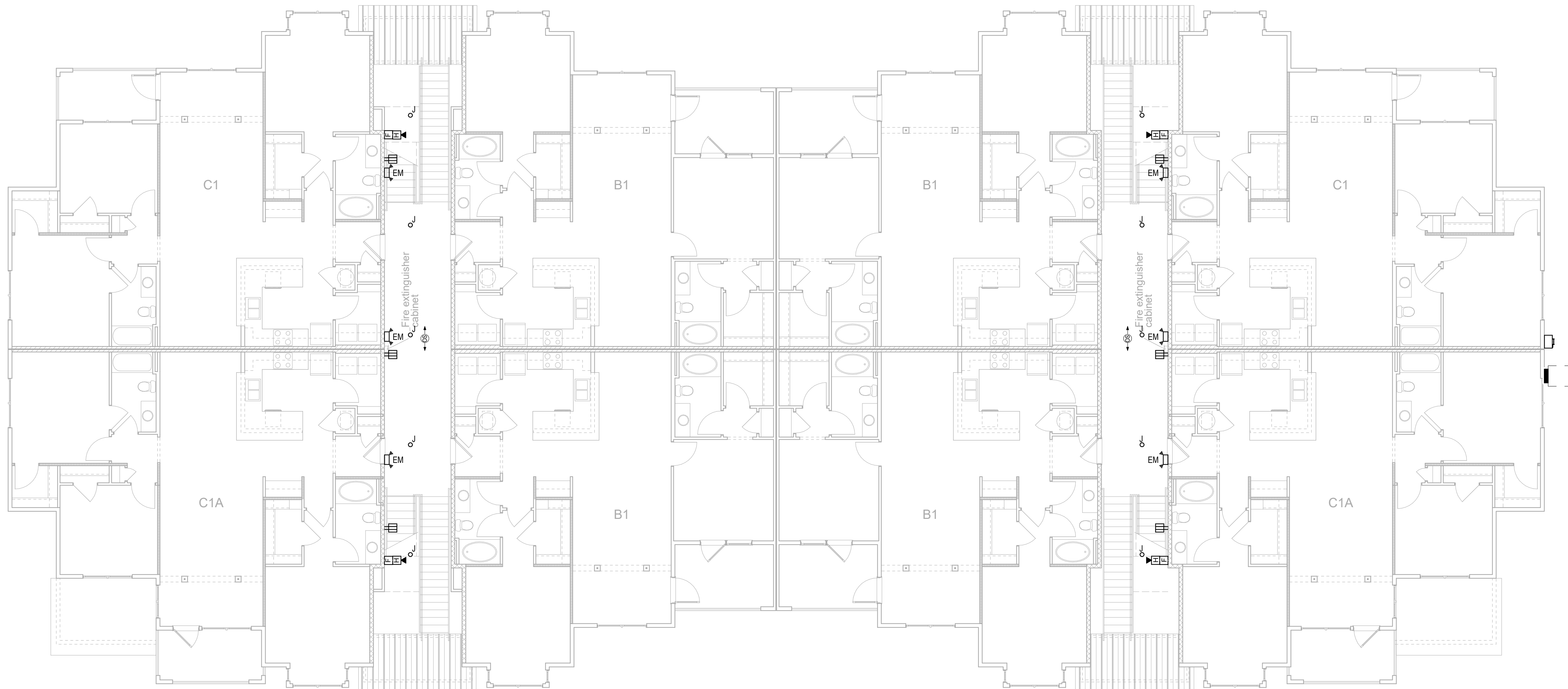
Sheet Title:
BUILDING PLANS, TYPE III, FIRST & SECOND LEVEL PLANS - ELECTRICAL
September 30, 2022

Sheet Number:

E2.05

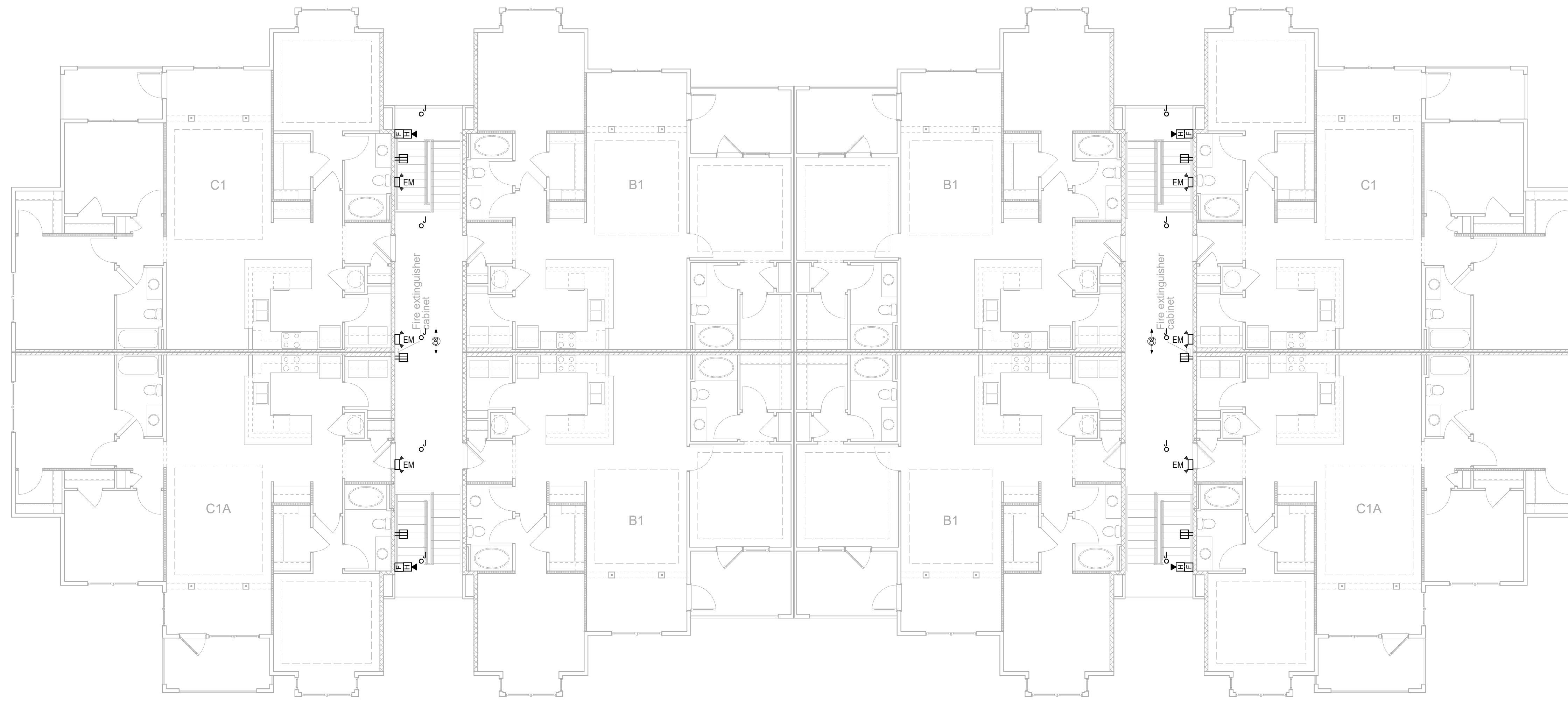
1 LEVEL 2 ELECTRICAL PLAN

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



2 LEVEL 2 ELECTRICAL PLAN

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



- GENERAL NOTES**
- WHERE CONNECTED TO A 20A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
 - PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED AND GRADE MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 4% AIR ENTRAINED, POLYFIBER REINFORCED CONCRETE, 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT. REFER TO ELECTRICAL DETAIL DRAWINGS FOR TRANSFORMER, GENERATOR, OR SWITCHGEAR PADS THAT MAY EXCEED THESE REQUIREMENTS.
 - REFER TO SECTION 26 0519 FOR MINIMUM CONDUCTOR SIZE ADJUSTMENTS FOR VOLTAGE DROP.
**FOR TYPICAL PROJECTS WHERE WIRING IS SHOWN, SELECT THESE NOTES (EDIT AS NEEDED):
 - WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.
 - MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED.
**FOR TYPICAL PROJECTS WHERE WIRING IS NOT SHOWN, SELECT THESE NOTES (EDIT AS NEEDED):
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 - PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
 - CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

- GENERAL NOTES**
- ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
 - ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
 - SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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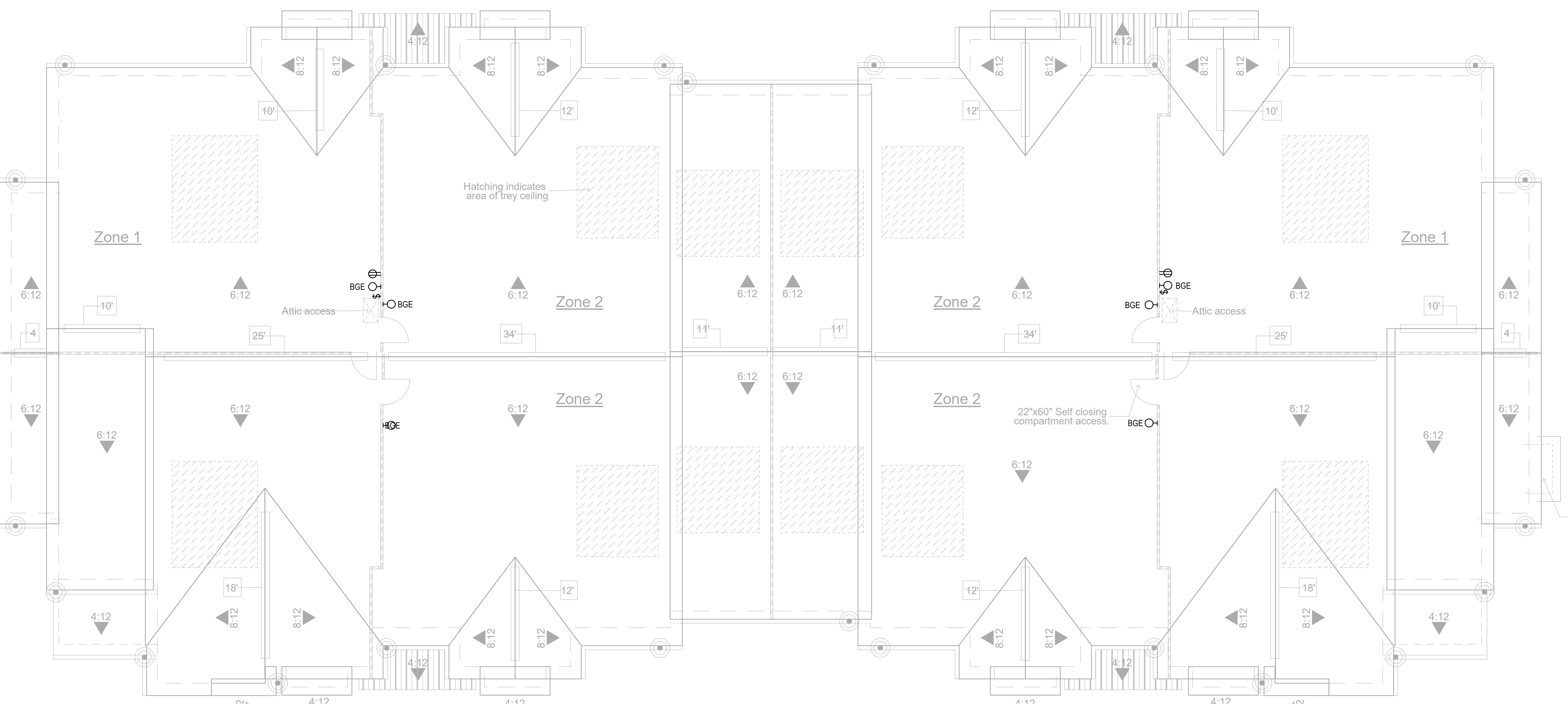
Sheet Title:
BUILDING PLANS, TYPE III, THIRD LEVEL PLAN & ROOF PLAN - ELECTRICAL
September 30, 2022

Sheet Number:

E2.06

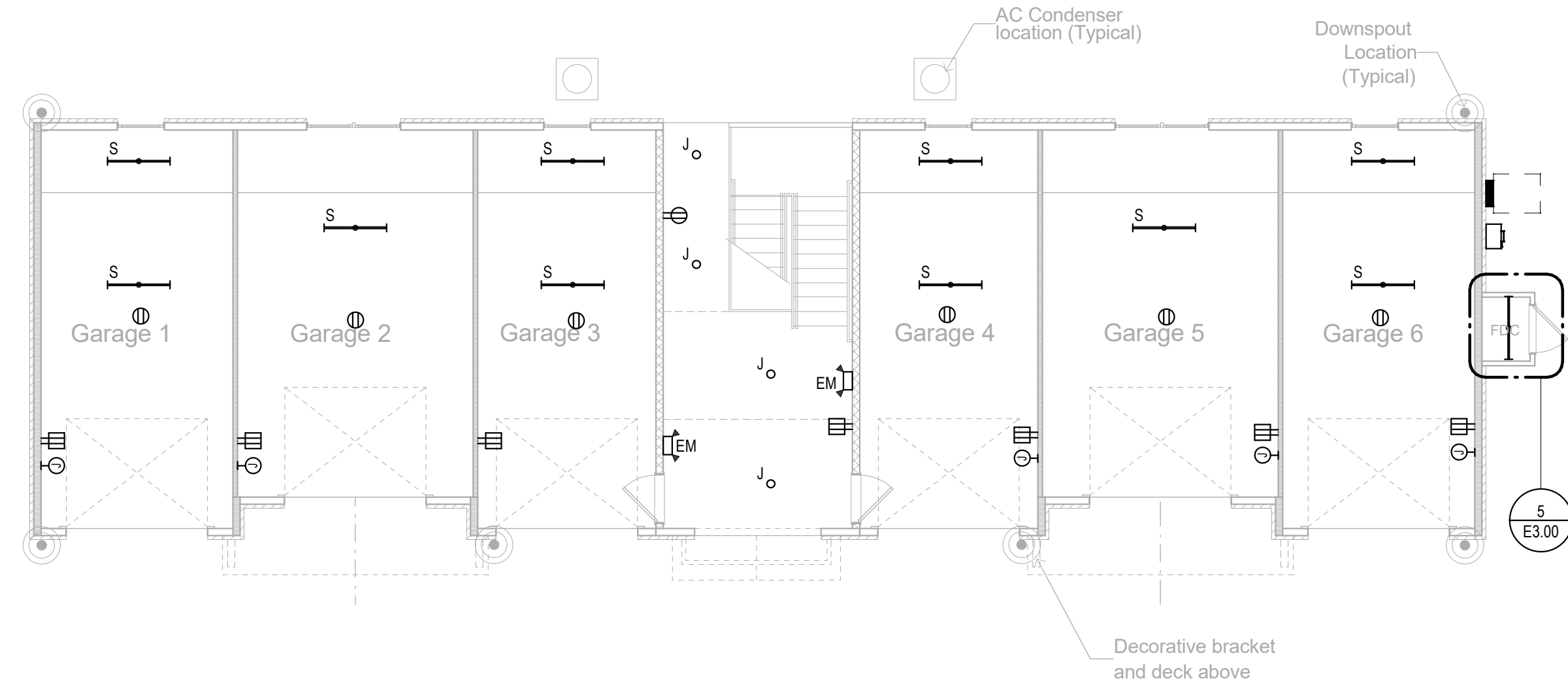
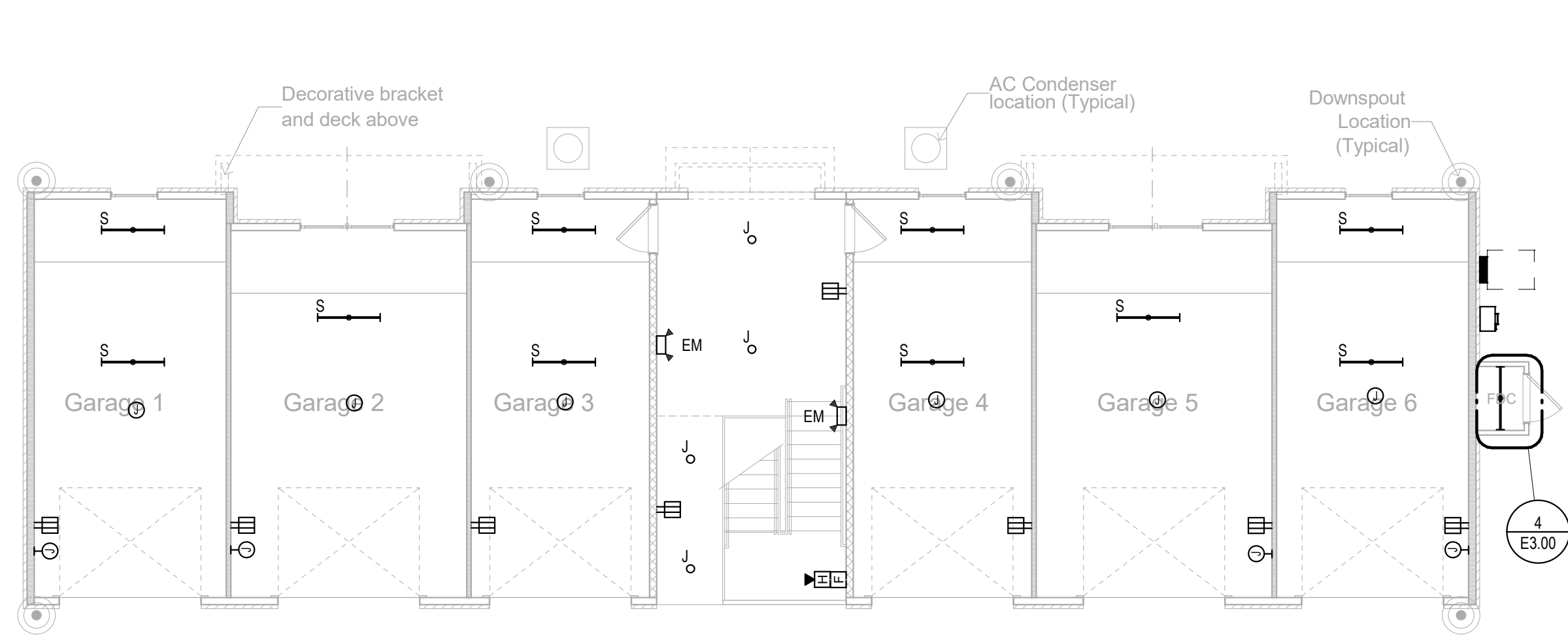
1 LEVEL 3 ELECTRICAL PLAN

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



2 ROOF ELECTRICAL PLAN

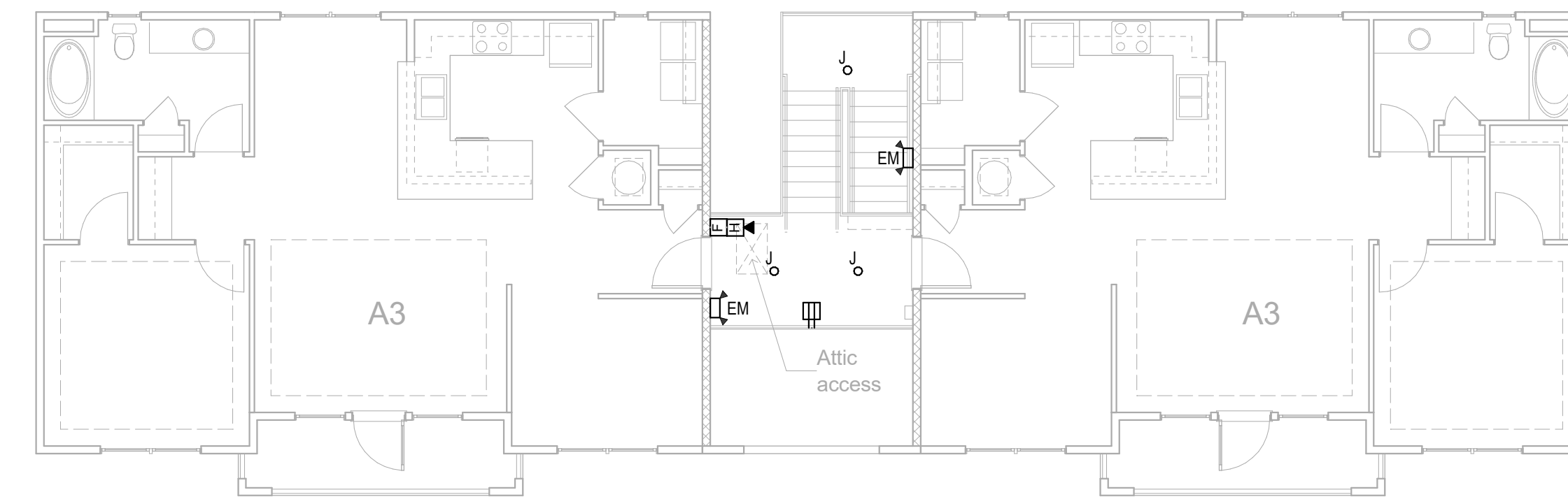
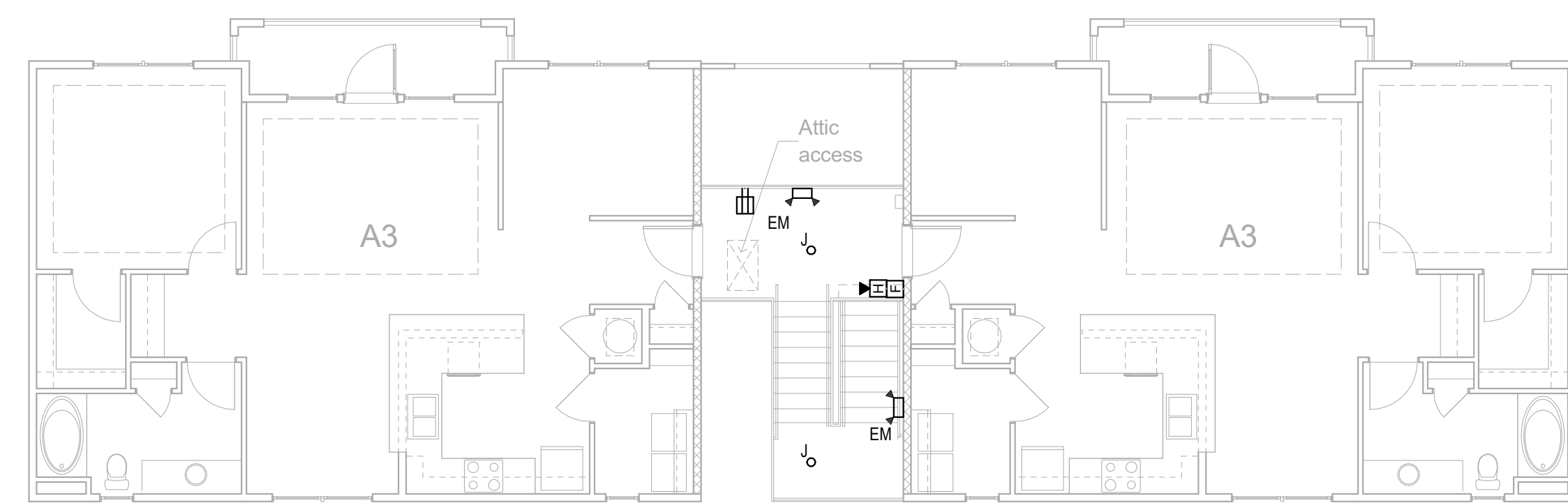
Scale: 1/8" = 1'-0"



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 - CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

1 LEVEL 1 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"

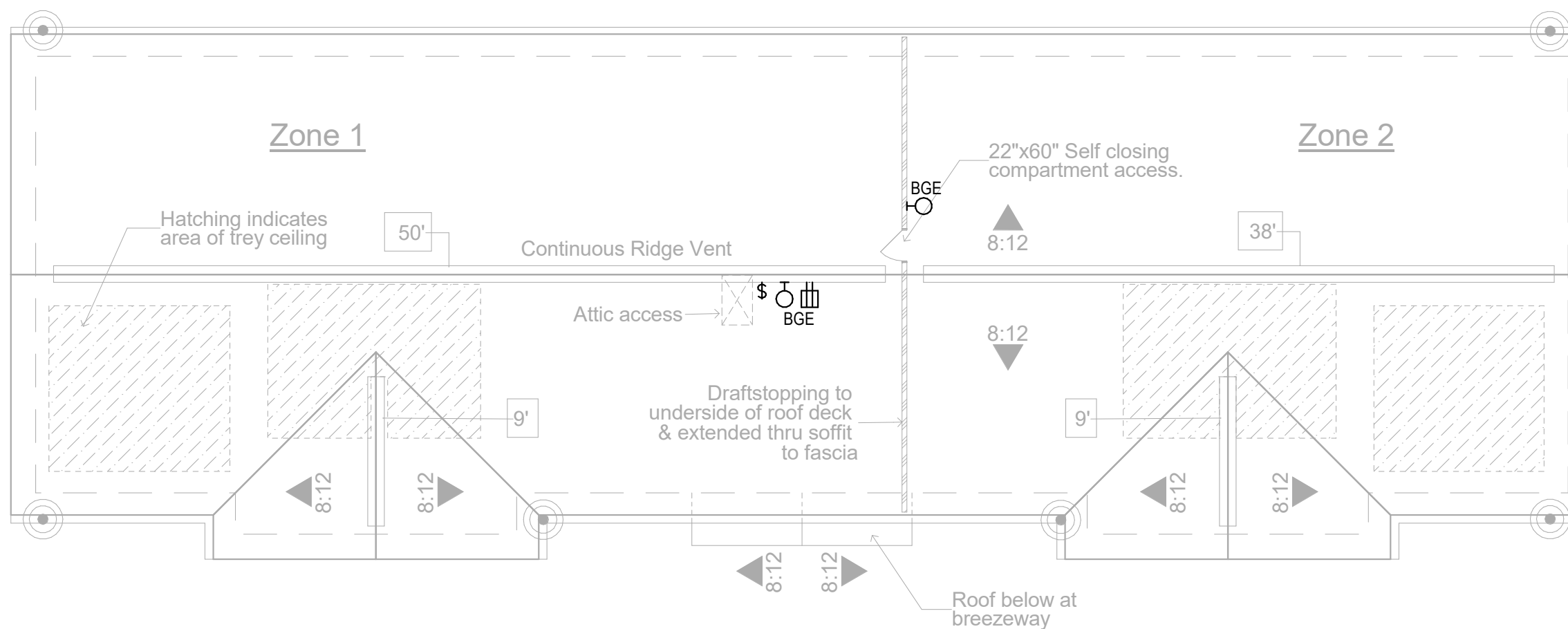
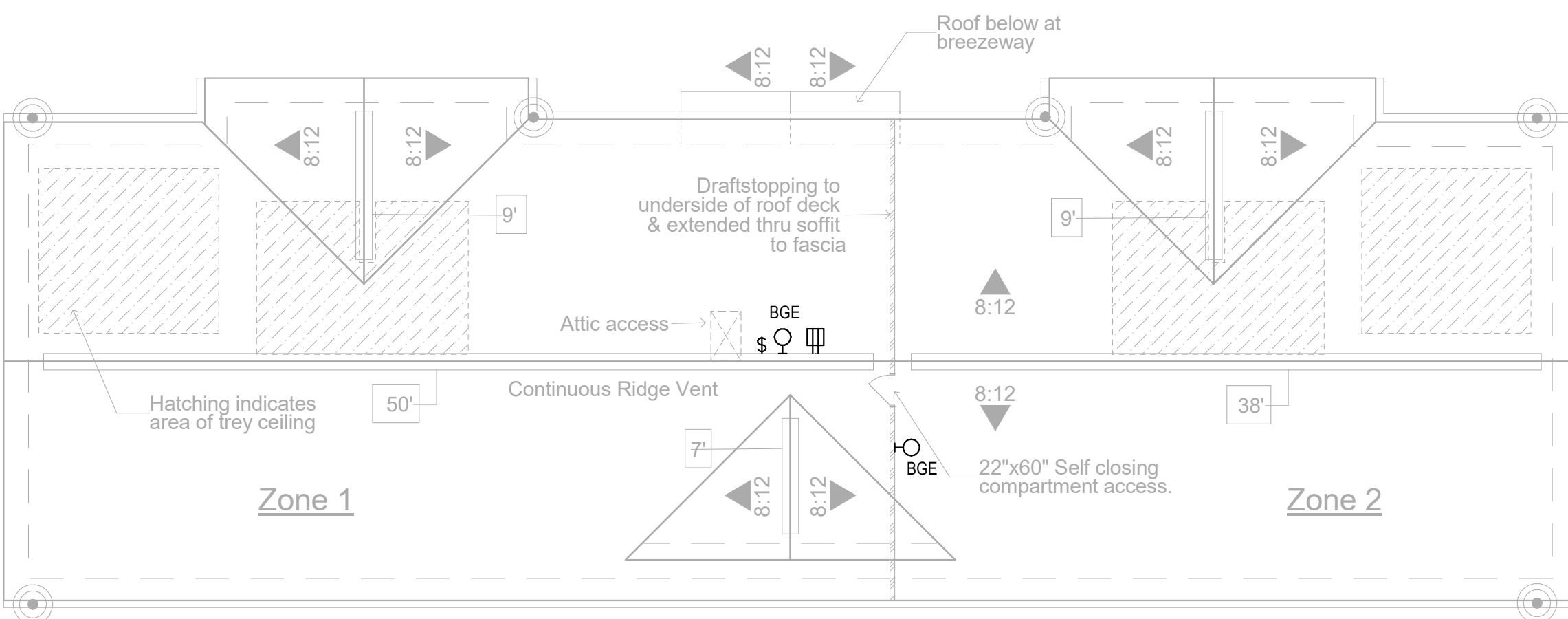
2 LEVEL 1 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



- GENERAL NOTES**
- ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
 - ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
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6 LEVEL 2 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"

4 LEVEL 2 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



5 ROOF ELECTRICAL PLAN
Scale: 1/8" = 1'-0"

3 ROOF ELECTRICAL PLAN
Scale: 1/8" = 1'-0"

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
BUILDING PLANS, TYPE IV, FIRST & SECOND LEVEL PLANS & ROOF PLAN - ELECTRICAL
September 30, 2022

Sheet Number:

E2.07

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
BUILDING PLAN,
TYPE V, FIRST
LEVEL PLAN -
ELECTRICAL
Date:
September 30, 2022

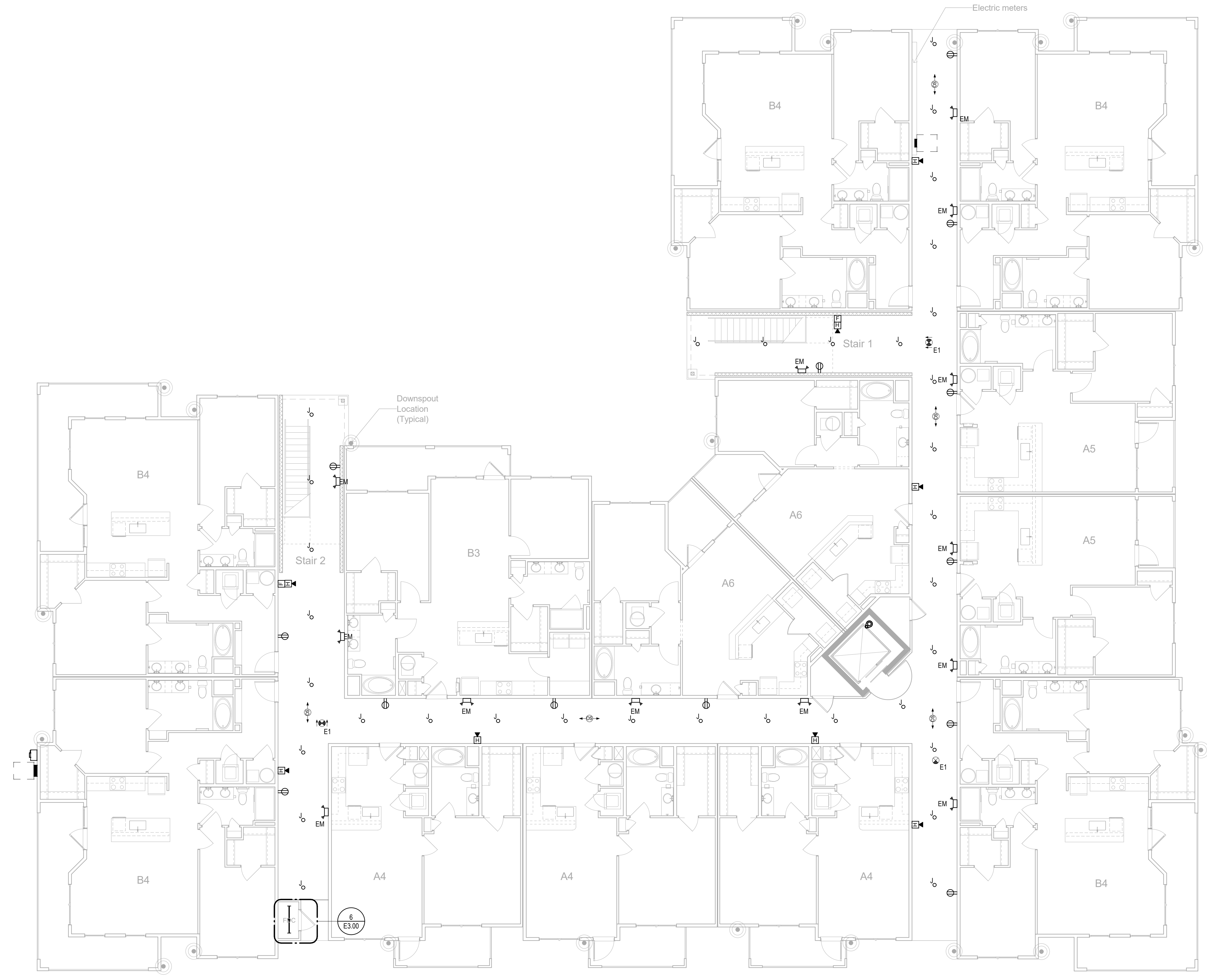
Sheet Number:

E2.08

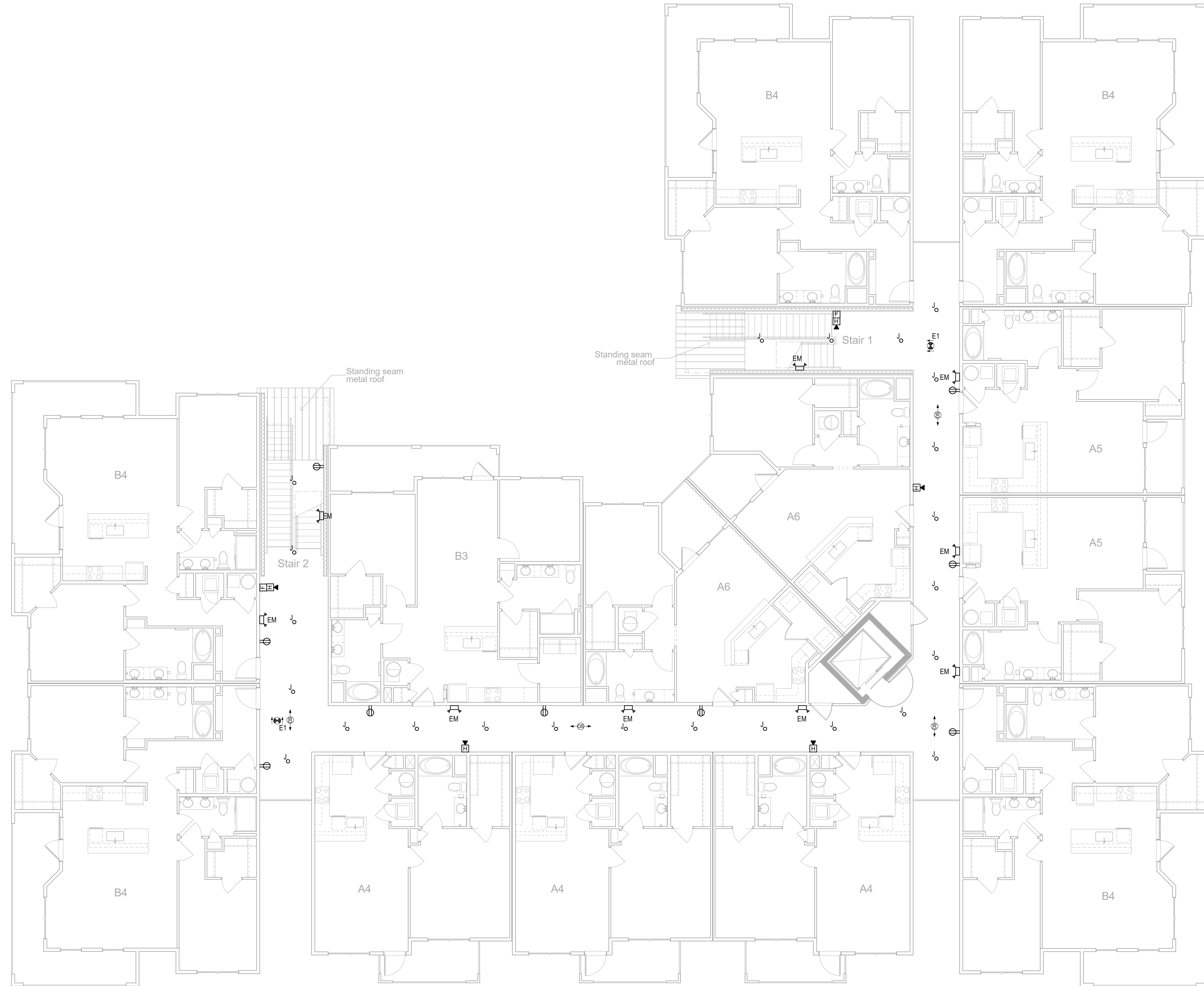
Not Released for Construction

- GENERAL NOTES**
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1 LEVEL 1 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

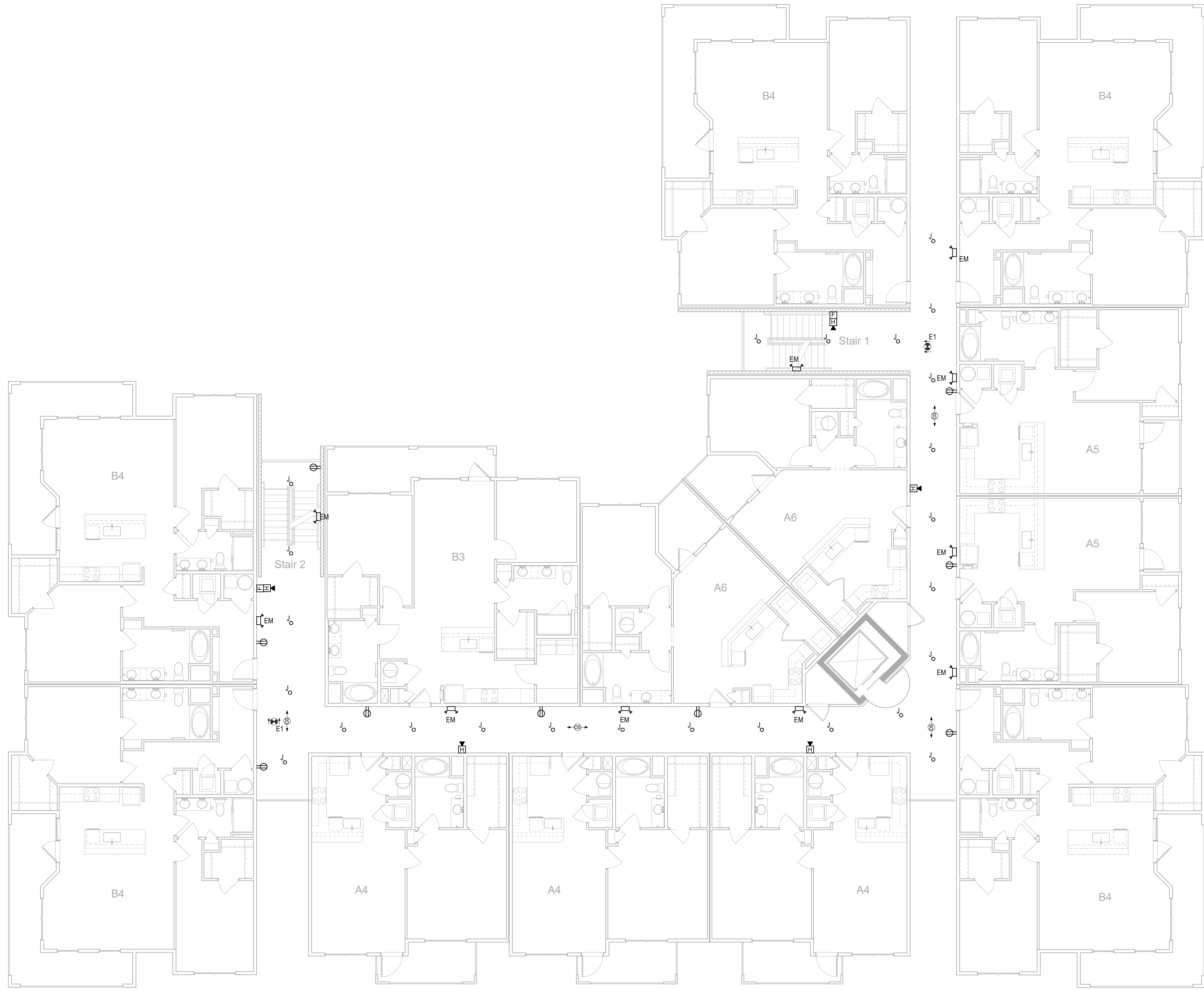
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Sheet Title:
BUILDING PLAN,
TYPE V, SECOND
LEVEL PLAN -
ELECTRICAL
Date:
September 30, 2022

Sheet Number:

E2.09

1 LEVEL 2 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



- GENERAL NOTES**
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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

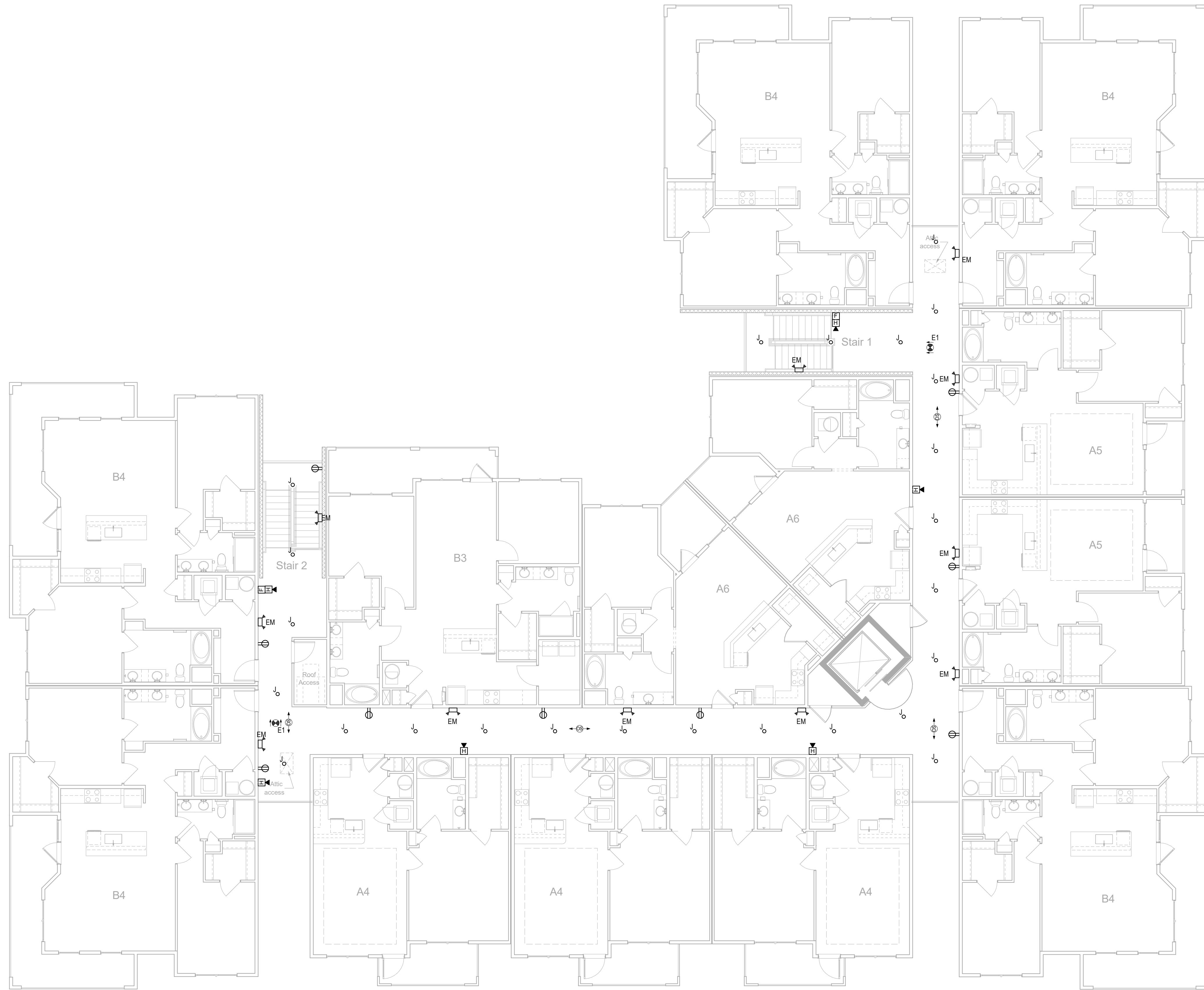
A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
BUILDING PLAN, TYPE V, THIRD LEVEL PLAN - ELECTRICAL
Date:
September 30, 2022

Sheet Number:

E2.10



- GENERAL NOTES**
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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

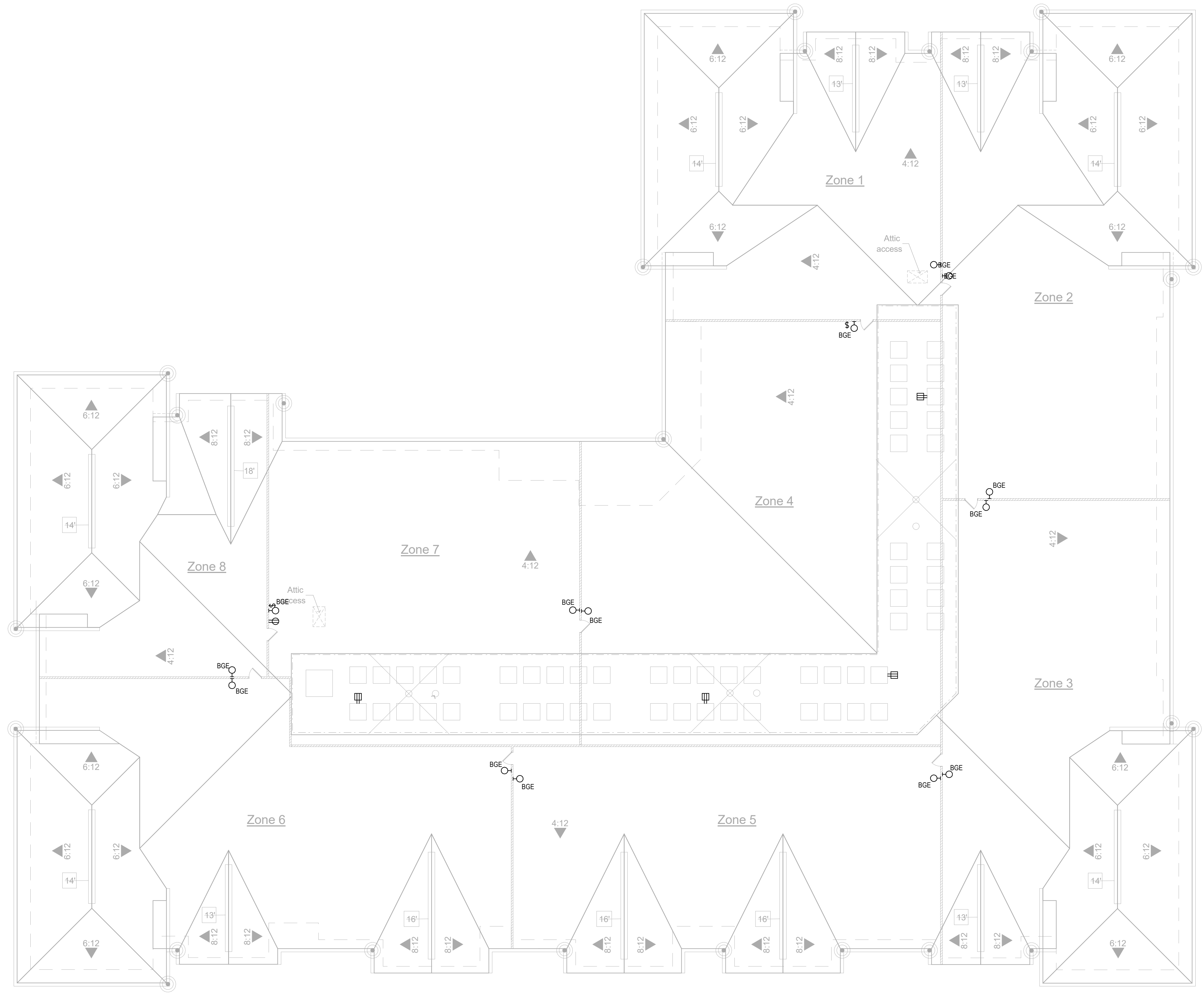
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Sheet Title:
BUILDING PLAN,
TYPE V, FOURTH
LEVEL PLAN -
ELECTRICAL
Date:
September 30, 2022

Sheet Number:

E2.11

1 LEVEL 4 ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



- GENERAL NOTES**
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- GENERAL NOTES**
- ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
 - ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
 - SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
 - REFER TO SECTION 26 0519 FOR MINIMUM CONDUCTOR SIZE ADJUSTMENTS FOR VOLTAGE DROP.
**FOR TYPICAL PROJECTS WHERE WIRING IS SHOWN (EDIT AS NEEDED):
 - WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.
**FOR TYPICAL PROJECTS WHERE WIRING IS NOT SHOWN (EDIT AS NEEDED):
 - MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED.
 - CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
 - PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
 - CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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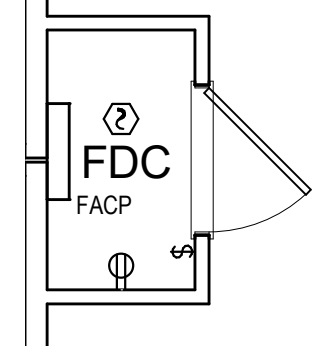
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BUILDING PLAN,
TYPE V, ROOF PLAN
- ELECTRICAL

Date:
September 30, 2022

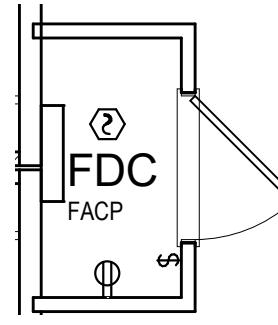
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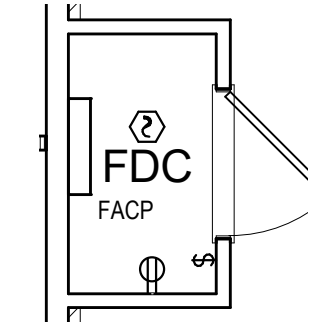
1 ROOF ELECTRICAL PLAN
Scale: 1/8" = 1'-0"



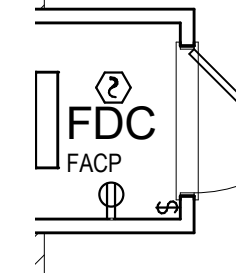
1 FIRE PROTECTION ROOM - BUILDING I
Scale: 1/4" = 1'-0"



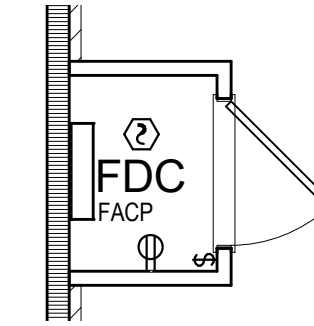
2 FIRE PROTECTION ROOM - BUILDING II
Scale: 1/4" = 1'-0"



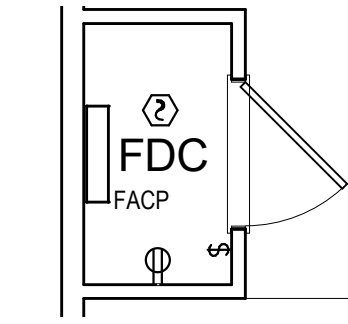
3 FIRE PROTECTION ROOM - BUILDING III
Scale: 1/4" = 1'-0"



4 FIRE PROTECTION ROOM - BUILDING IV
Scale: 1/4" = 1'-0"



5 FIRE PROTECTION ROOM - BUILDING IVa
Scale: 1/4" = 1'-0"



6 FIRE PROTECTION ROOM - BUILDING V
Scale: 1/4" = 1'-0"

No.	Description	Date
Revisions		

Construction Documents -
Progress Set
Lullwater at Ft. Clarke
Apartments
Ft. Clarke, Florida

A Residential
Development by: Ft.
Clarke Apartments
Residences, LLC

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Sheet Title:
ELECTRICAL
ENLARGED PLANS

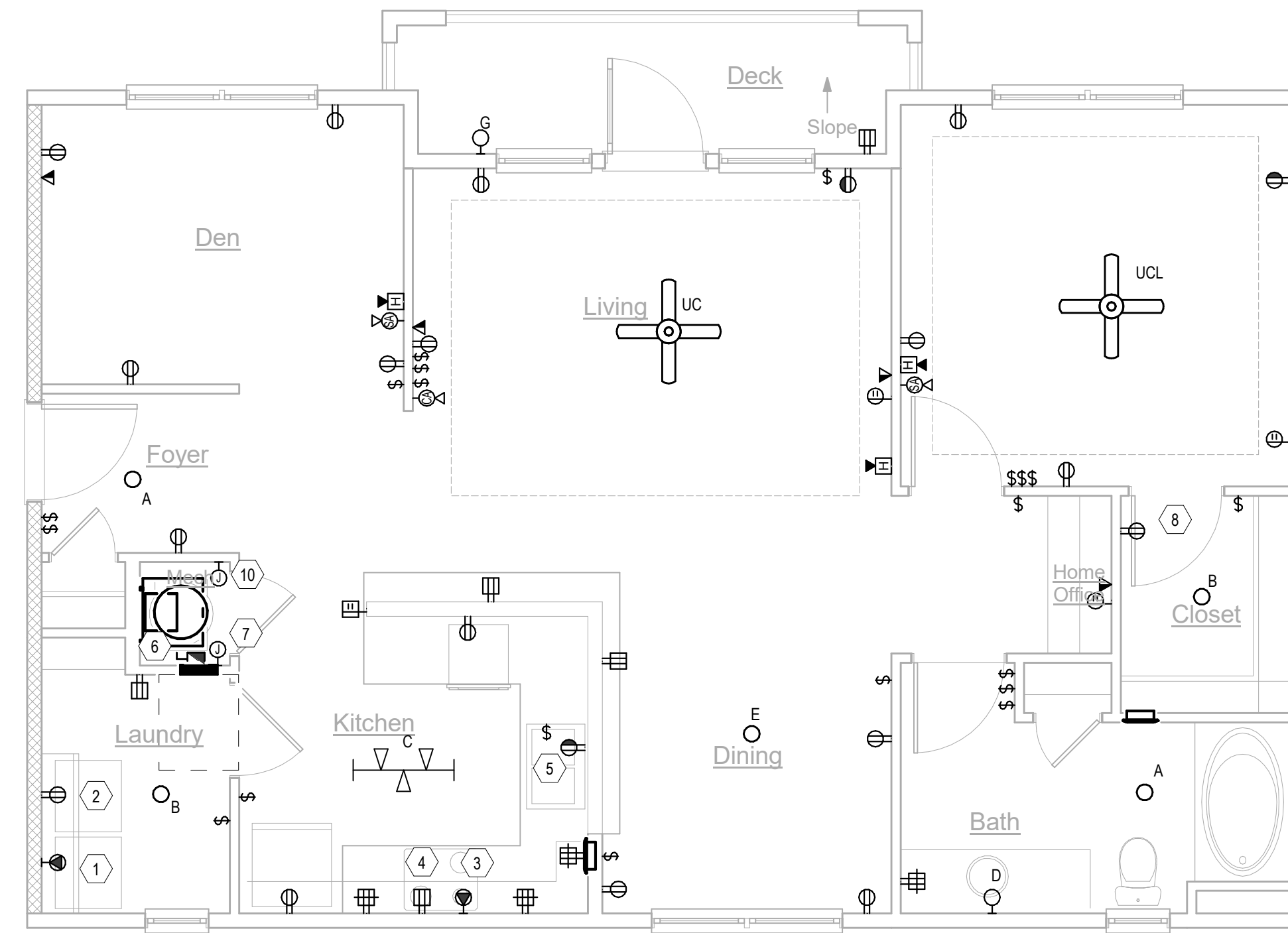
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September 30, 2022

Sheet Number:

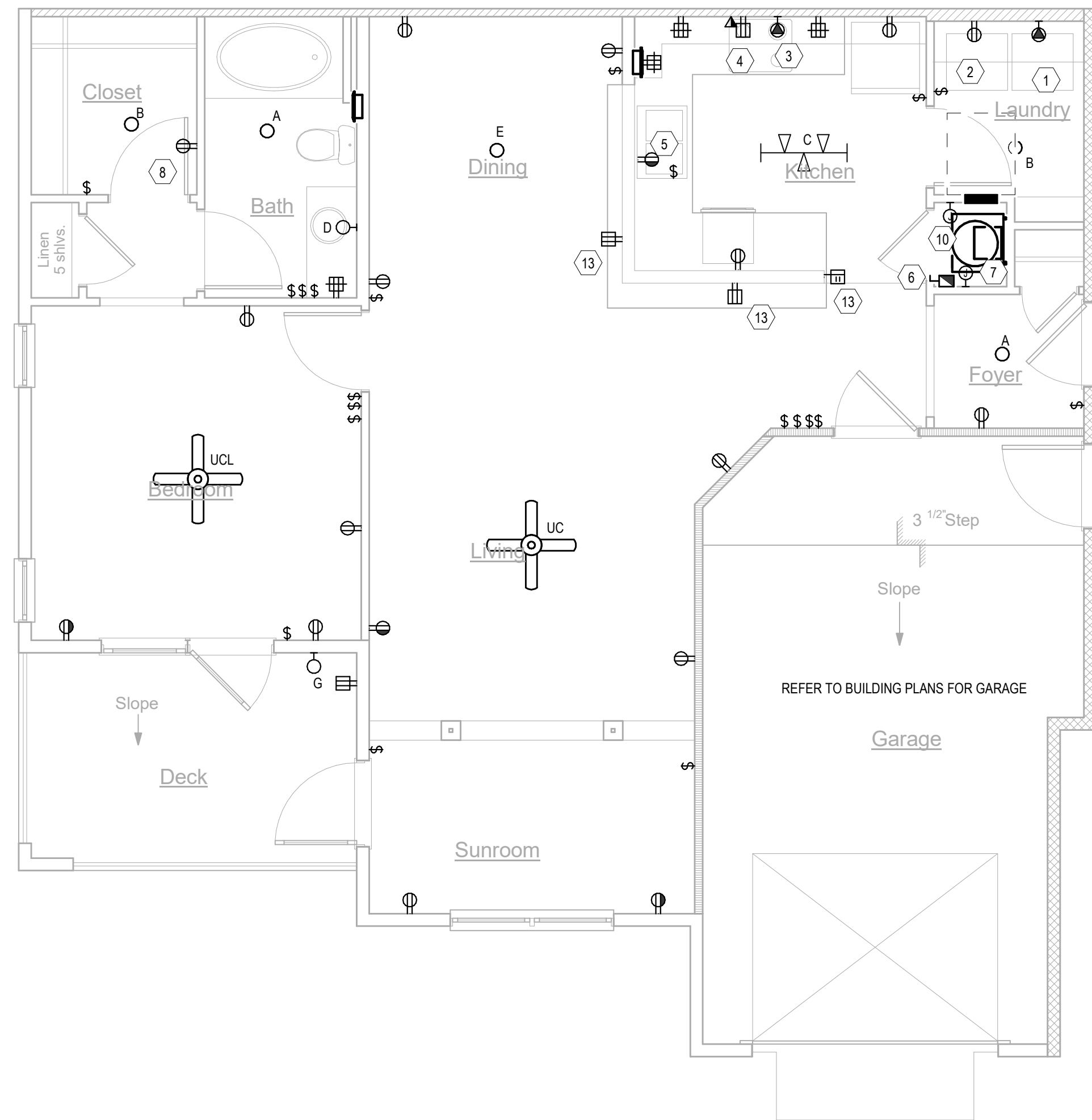
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UNIT GENERAL NOTES

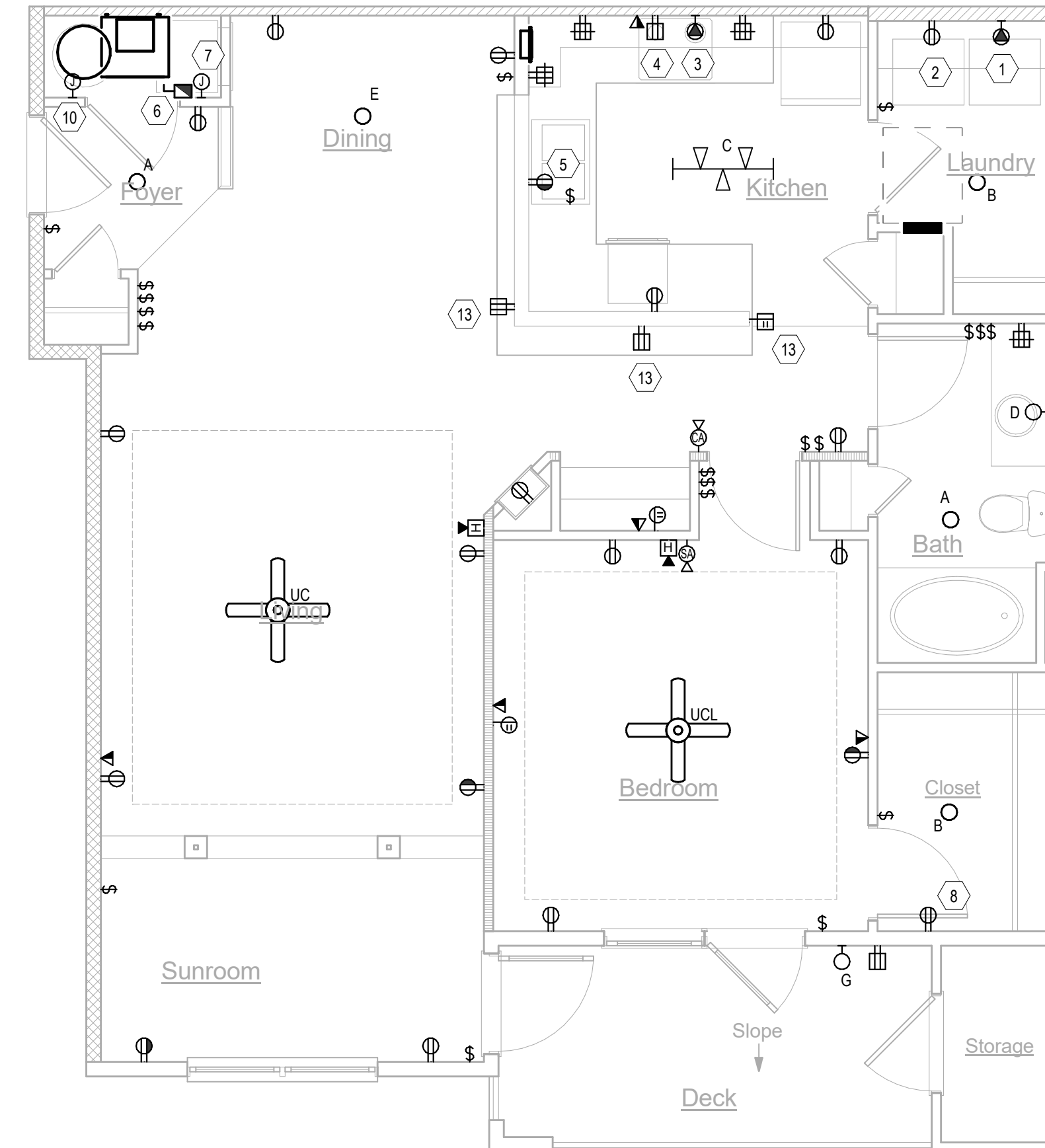
- LOCATION OF SMOKE ALARMS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, OR TIP OF A CEILING FAN BLADE, AND SHALL BE NO LESS THAN 10" FROM A FIXED COOKING APPLIANCE. WHERE WALL MOUNTED, TOP OF DEVICE SHALL BE NO GREATER THAN 12" FROM CEILING. COORDINATE LOCATION WITH SOFFITS AND CROWN MOULDING (WHERE PRESENT).
- SMOKE AND CO ALARMS SHALL BE WIRED TO AN UNSWITCHED LIGHTING AND RECEPTACLE CIRCUIT. ALARM DEVICES WITHIN A DWELLING UNIT SHALL BE WIRED SO THAT UPON THE ACTIVATION OF ANY ALARM IN THE DWELLING UNIT, ALL DEVICES WITHIN THE DWELLING SHALL SIGNAL AN ALARM.
- REFER TO "ELECTRICAL DEVICES-DWELLING UNIT KITCHEN" DETAIL INCLUDED IN THESE DRAWINGS FOR DIMENSIONAL INFORMATION OF DEVICES AT CORNERS (WHERE APPLICABLE).
- ALL 120V, 15- AND 20-AMP RECEPTACLES IN DWELLING UNITS SHALL BE LISTED TAMPER-RESISTANT TYPE.
- OUTLET BOXES INSTALLED FOR CEILING FANS SHALL BE UL-LISTED "FOR USE WITH CEILING FANS".
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR APPLICABLE CIRCUIT REQUIREMENTS.
- PRIOR TO ROUGH-IN, CONTRACTOR SHALL:
 - COORDINATE EXACT REQUIREMENTS OF ALL EQUIPMENT AND APPLIANCES FURNISHED BY OTHERS.
 - COORDINATE LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL/INTERIORS DRAWINGS.
- SEVERAL DWELLING UNIT CIRCUITS AND RECEPTACLES ARE REQUIRED TO BE AFCI- AND/OR GFCI-PROTECTED. REFER TO DRAWINGS AND LOAD CENTER SCHEDULES FOR MORE INFORMATION.
- FOR EACH DWELLING UNIT LOCATED AT GRADE-LEVEL OR ON A FLOOR ACCESSIBLE BY ELEVATOR:
 - LOAD CENTER SHALL BE INSTALLED SO THAT NO TRIM LATCH OR BREAKER IS GREATER THAN 48" AFF.
 - FOR ALL DESIGNATED "ANSI TYPE A" UNITS, A TOGGLE SWITCH SHALL BE FIELD-INSTALLED AND WIRED FOR THE RANGE HOOD/LIGHT CIRCUIT. SWITCH SHALL BE MOUNTED ABOVE COUNTER WITHIN REQUIRED REACH RANGES.
- UNLESS DIRECTED OTHERWISE, DESIGNATED "ANSI TYPE A" UNITS SHALL HAVE COMMUNICATION FEATURES FOR SENSOY-IMPAIRED (HEARING OR VISION):
 - FURNISH AND INSTALL AN EDWARDS (OR EQUAL) "DOORBELL" SYSTEM (CAT# 7005-G5), CONSISTING OF A LOW-VOLTAGE TRANSFORMER, PUSHBUTTON AND HORN/STROBE. LOCATE PUSHBUTTON WITH COVERPLATE (CAT# 147-10) OUTSIDE OF ENTRY DOOR, TRANSFORMER CONCEALED WITHIN CLOTHES CLOSET, AND HORN/STROBE WITHIN LIVING ROOM.
 - EACH FIRE ALARM SYSTEM AUDIBLE APPLIANCE SHALL BE EQUIPPED WITH A VISUAL DEVICE.
 - A FIRE ALARM VISUAL DEVICE SHALL BE INSTALLED IN EACH BATHROOM.
 - REFER TO DETAIL INCLUDED IN THESE DRAWINGS FOR WIRING DIAGRAM OF SMOKE ALARMS AND FIRE ALARM DEVICES.
- WHERE APPLICABLE, KITCHEN RECEPTACLE CIRCUIT SHALL POWER GAS COOKTOP IGNITER.



3 E-L1-UNITS-UNIT A3
Scale: 1/4" = 1'-0"



2 E-L1-UNITS-UNIT A2
Scale: 1/4" = 1'-0"



1 E-L1-UNITS-UNIT A1
Scale: 1/4" = 1'-0"

UNIT KEYNOTES

- NEMA 5-20R FOR CLOTHES WASHER. CIRCUIT SHALL BE 2#12, #12G.
- NEMA 14-30R FOR CLOTHES DRYER. CIRCUIT SHALL BE 3#10, #10G.
- NEMA 14-50R FOR RANGE/OVEN. CIRCUIT SHALL BE 3#6, #10G.
- NEMA 5-20R FOR MICROWAVE/EXHAUST HOOD. CIRCUIT SHALL BE 2#12, #12G. LOCATE RECEPTACLE IN CABINETS ABOVE.
- FOR SINK DISPOSAL/DISHWASHER CONNECTION, INSTALL SPLIT-WIRED NEMA 5-20R DUPLEX WITHIN BASE CABINET. RECEPTACLE LOCATION SHALL BE ADJACENT TO DISHWASHER.
- DISCONNECT SWITCH FOR AIR-HANDLING UNIT.
- JUNCTION BOX FOR CONNECTION TO WATER HEATER. CIRCUIT SHALL BE 2#10, #10G.
- CONTRACTOR SHALL FURNISH AND INSTALL A STRUCTURED MEDIA BOX FOR TERMINATION OF COMMUNICATION CABLES. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN. COORDINATE FINAL LOCATION WITH SHELVING IN THIS ROOM.
- PROVIDE CEILING FAN RATED JUNCTION BOX.
- PROVIDE JUNCTION BOX TO POWER OUTSIDE AIR VENTILATION FAN. COORDINATE EXACT INSTALLATION HEIGHT WITH MECHANICAL EQUIPMENT.
- REFER TO "DWELLING UNIT VERTICAL AIR HANDLING UNIT" MECHANICAL DETAIL ON M5.1 FOR COORDINATION.
- DOOR PUSH BUTTON FOR COMMUNICATION FEATURES SYSTEM.
- INSTALL RECEPTACLE NO MORE THAN 12" BELOW COUNTERTOP, PROVIDED THAT THE COUNTERTOP EXTENDS NO MORE THAN 6" BEYOND ITS SUPPORT BASE.

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

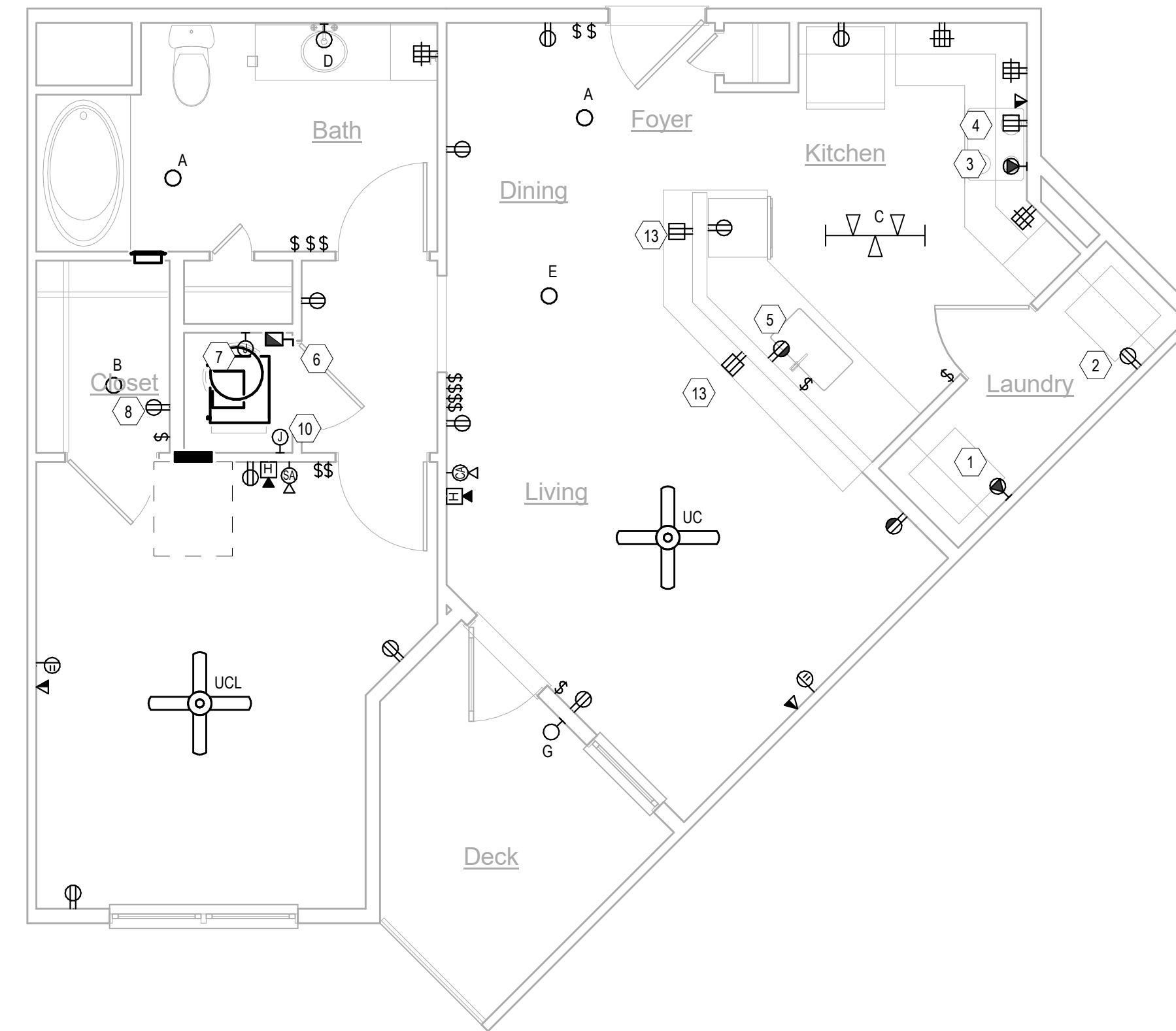
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Sheet Title:
UNIT PLANS

Date:
September 30, 2022

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E4.01



3 E-L1-UNITS-UNIT A6
Scale: 1/4" = 1'-0"

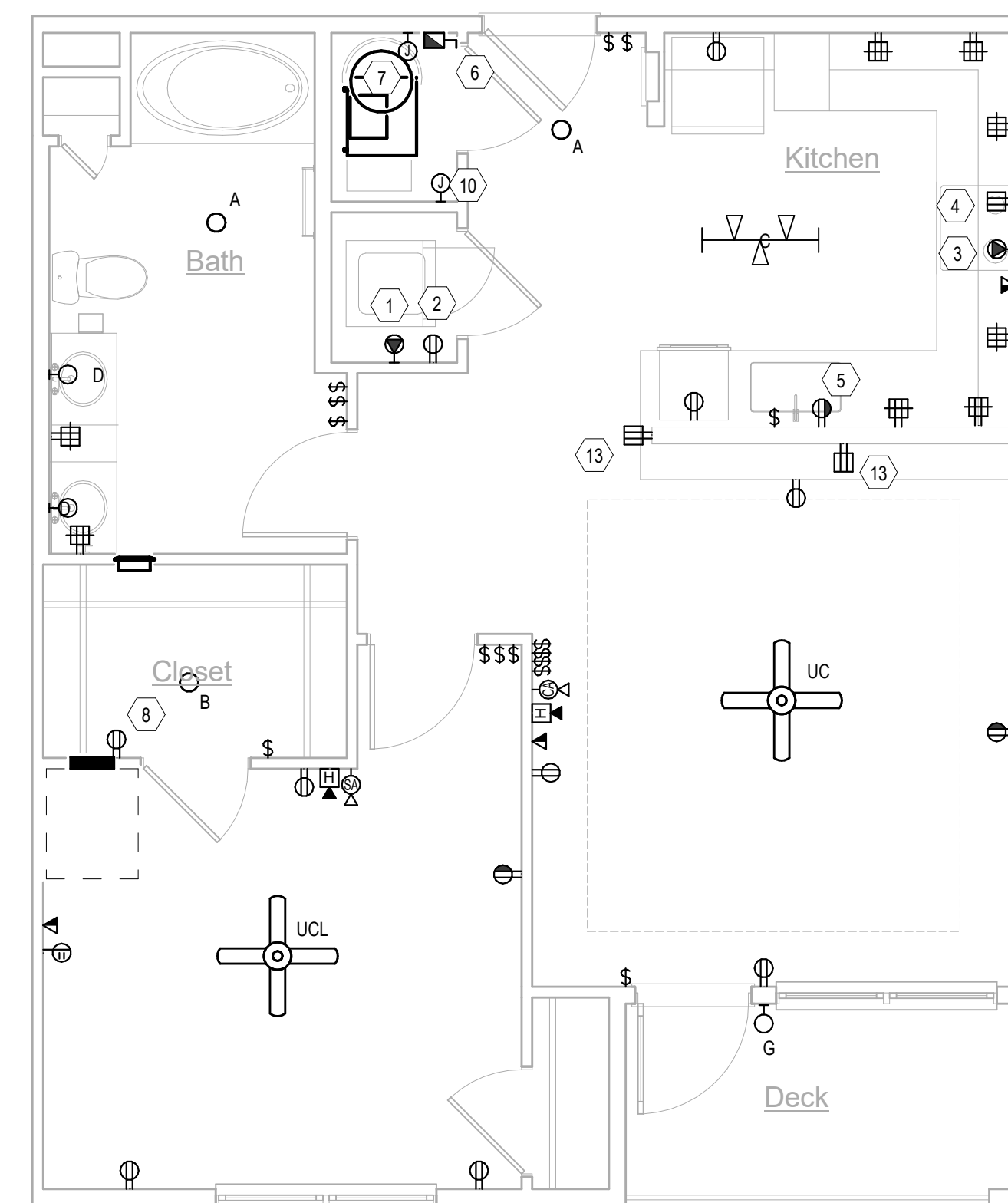
UNIT GENERAL NOTES

- LOCATION OF SMOKE ALARMS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, OR TIP OF A CEILING FAN BLADE, AND SHALL BE NO LESS THAN 10' FROM A FIXED COOKING APPLIANCE. WHERE WALL MOUNTED, TOP OF DEVICE SHALL BE NO GREATER THAN 12" FROM CEILING. COORDINATE LOCATION WITH SOFFITS AND CROWN MOULDING (WHERE PRESENT).
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- WHERE APPLICABLE, KITCHEN RECEPTACLE CIRCUIT SHALL POWER GAS COOKTOP IGNITER.

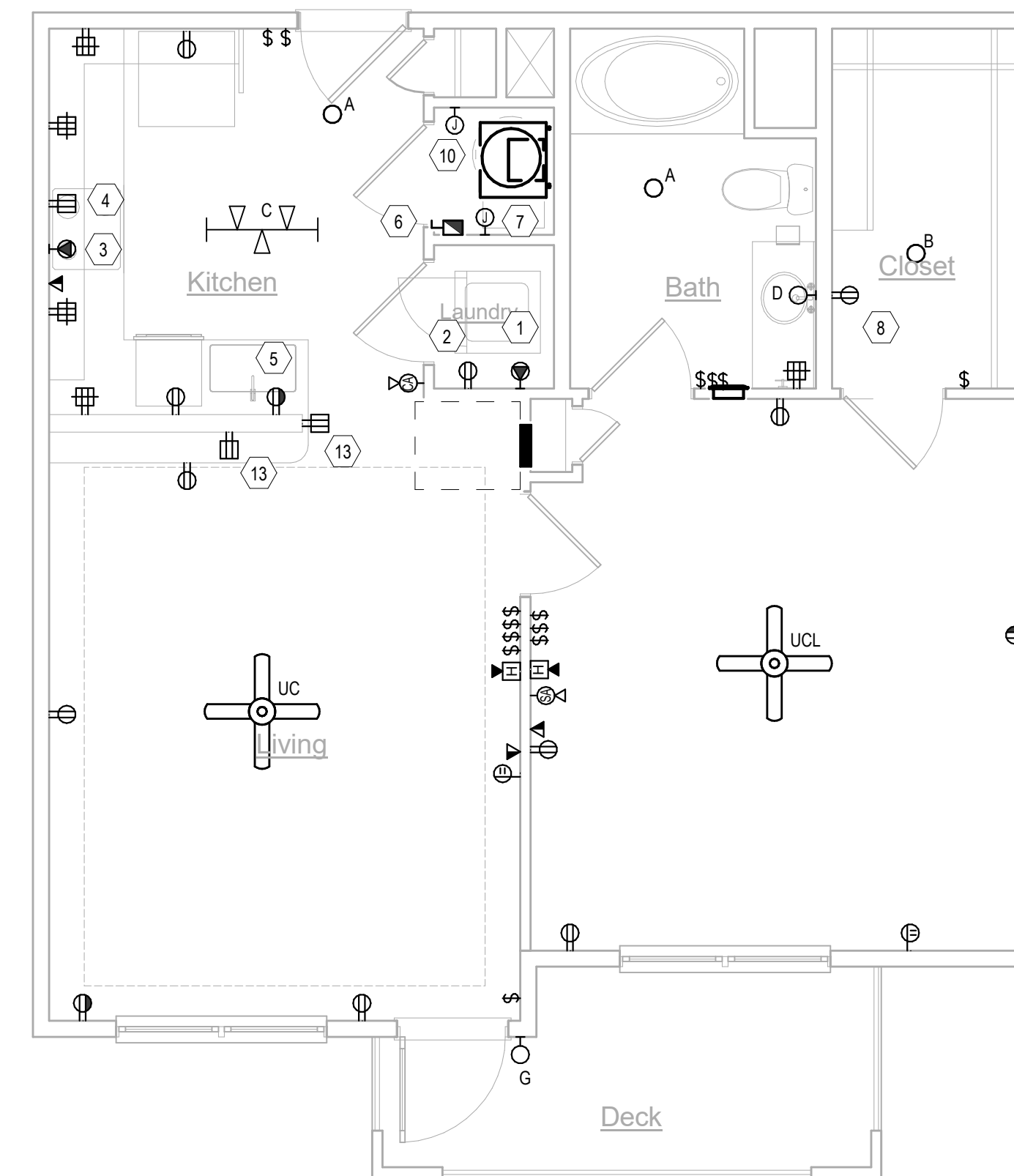
No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida



2 E-L1-UNITS-UNIT A5
Scale: 1/4" = 1'-0"



1 E-L1-UNITS-UNIT A4
Scale: 1/4" = 1'-0"

UNIT KEYNOTES

- NEMA 5-20R FOR CLOTHES WASHER. CIRCUIT SHALL BE 2#12, #12G.
- NEMA 14-30R FOR CLOTHES DRYER. CIRCUIT SHALL BE 3#10, #10G.
- NEMA 14-50R FOR RANGE/OVEN. CIRCUIT SHALL BE 3#6, #10G.
- NEMA 5-20R FOR MICROWAVE/EXHAUST HOOD. CIRCUIT SHALL BE 2#12, #12G. LOCATE RECEPTACLE IN CABINETRY ABOVE.
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- REFER TO "DWELLING UNIT VERTICAL AIR HANDLING UNIT" MECHANICAL DETAIL ON M5.1 FOR COORDINATION.
- DOOR PUSH BUTTON FOR COMMUNICATION FEATURES SYSTEM.
- INSTALL RECEPTACLE NO MORE THAN 12" BELOW COUNTERTOP, PROVIDED THAT THE COUNTERTOP EXTENDS NO MORE THAN 6" BEYOND ITS SUPPORT BASE.

A Residential Development by: Ft. Clarke Apartments Residences, LLC

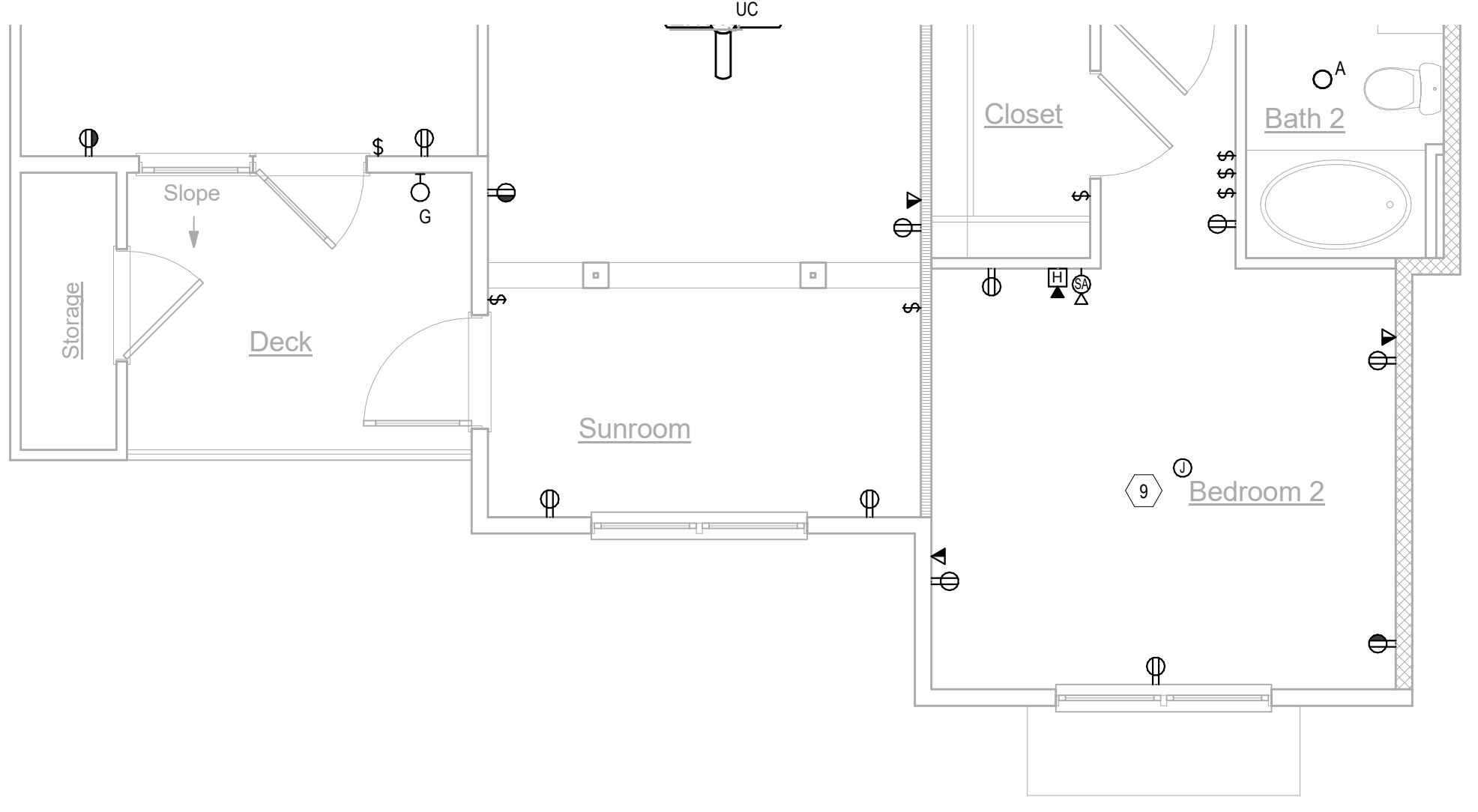
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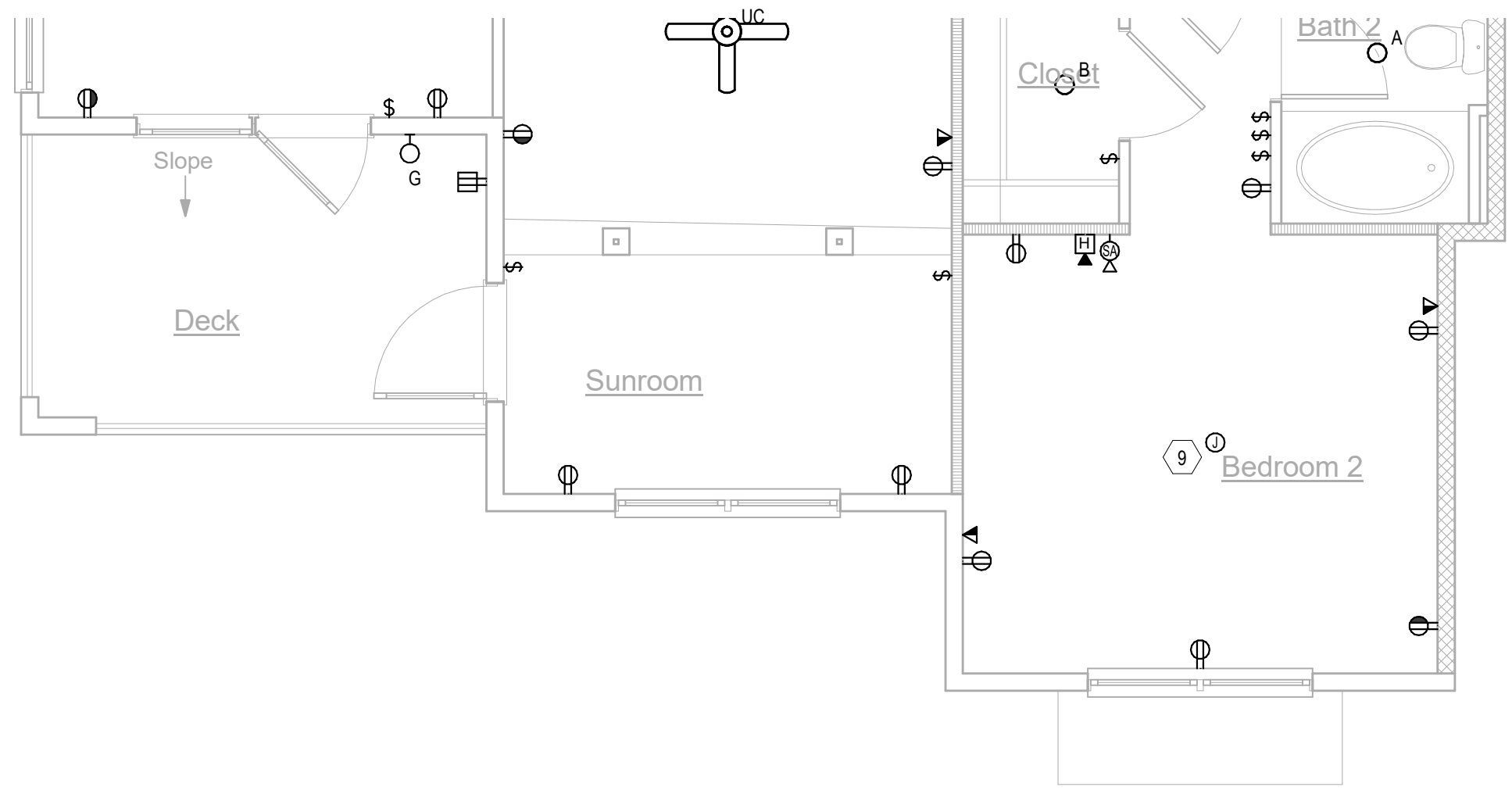
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September 30, 2022

Sheet Number:

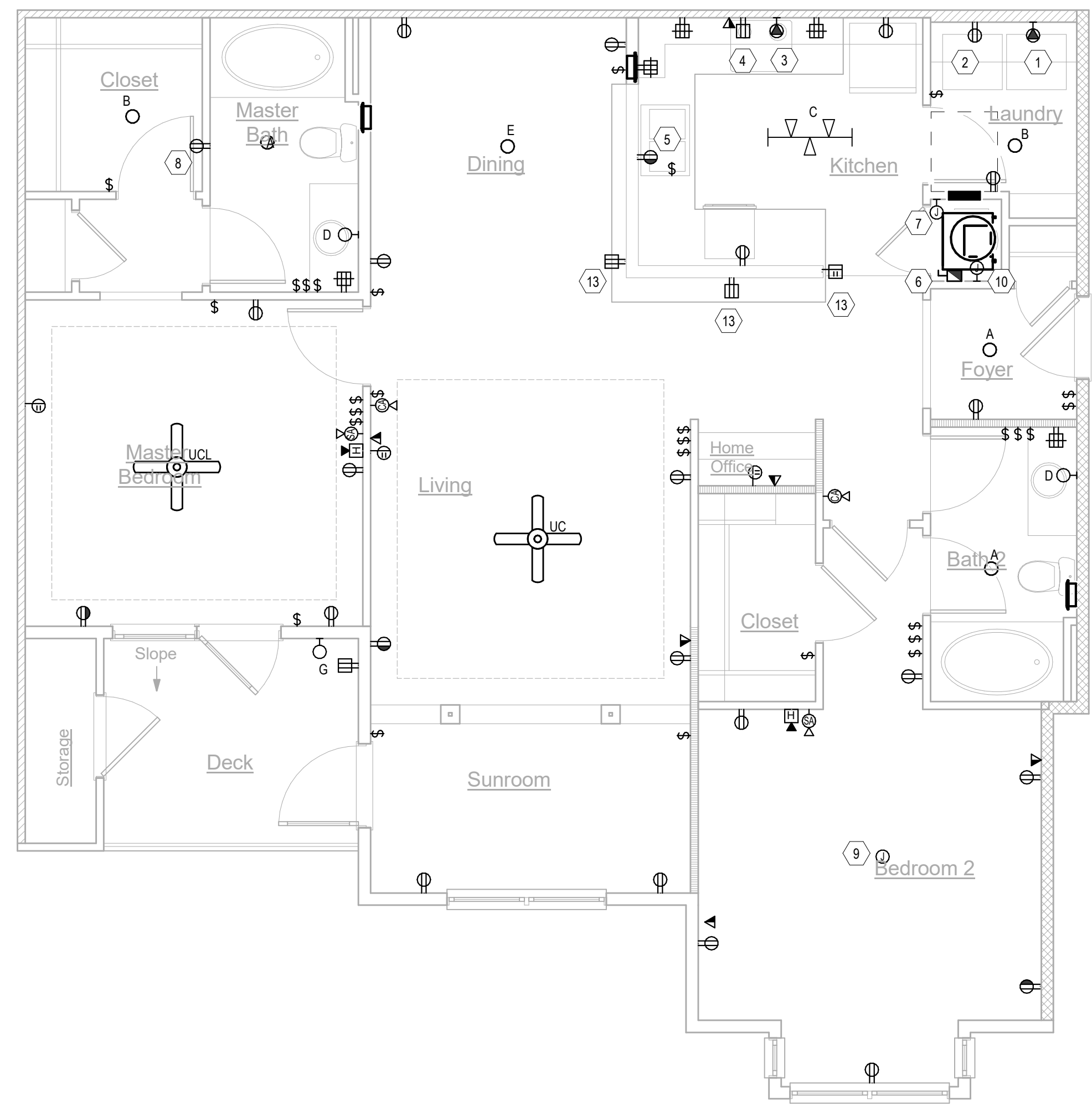
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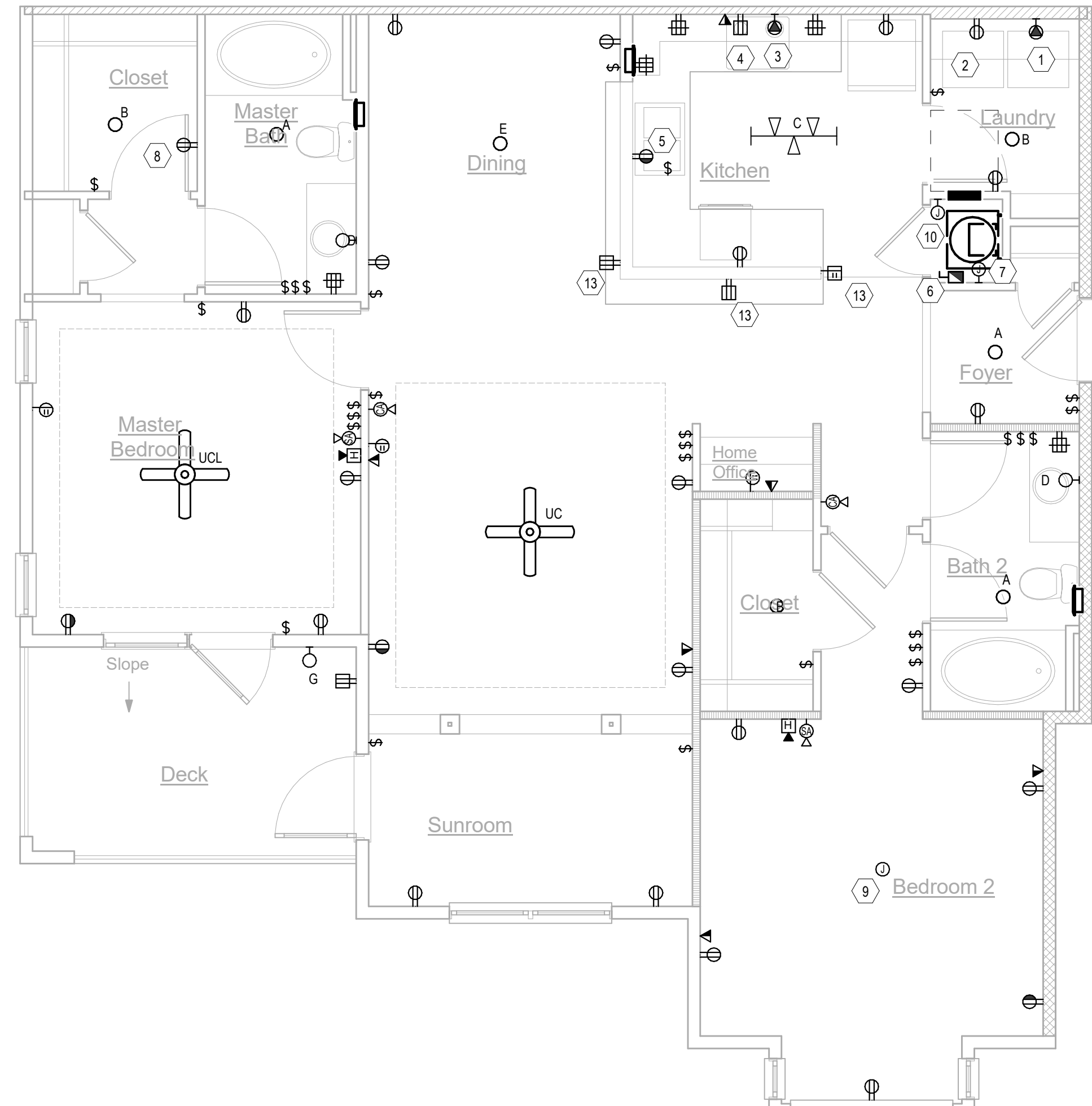
4 E-L1-UNITS-UNIT B1A-G
Scale: 1/4" = 1'-0"



2 E-L1-UNITS-UNIT B1-G
Scale: 1/4" = 1'-0"



3 E-L1-UNITS-UNIT B1A
Scale: 1/4" = 1'-0"



1 E-L1-UNITS-UNIT B1
Scale: 1/4" = 1'-0"

UNIT GENERAL NOTES

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UNIT KEYNOTES

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No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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UNIT PLANS

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	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

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Sheet Title:
UNIT PLANS

Date:
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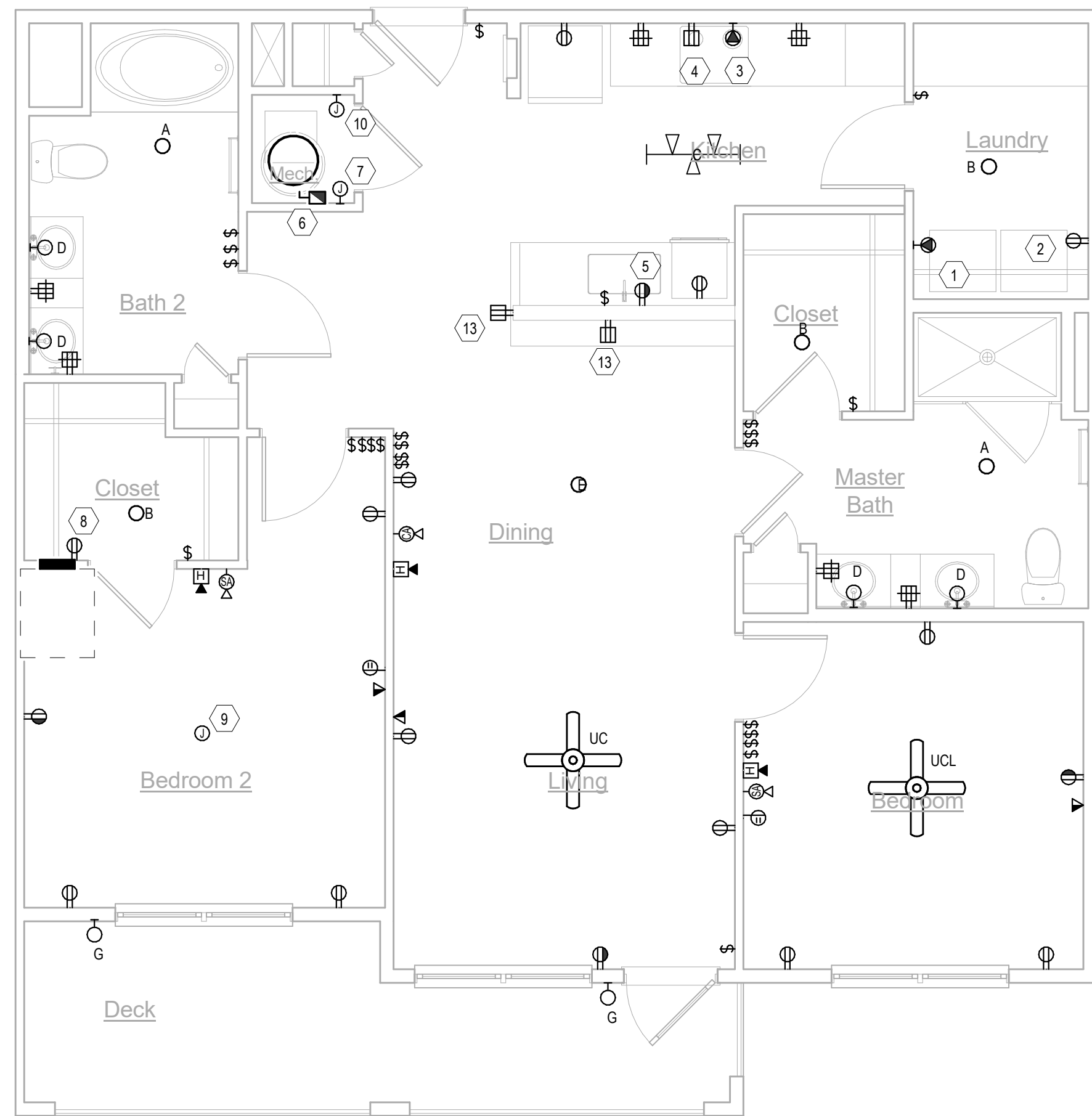
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UNIT GENERAL NOTES

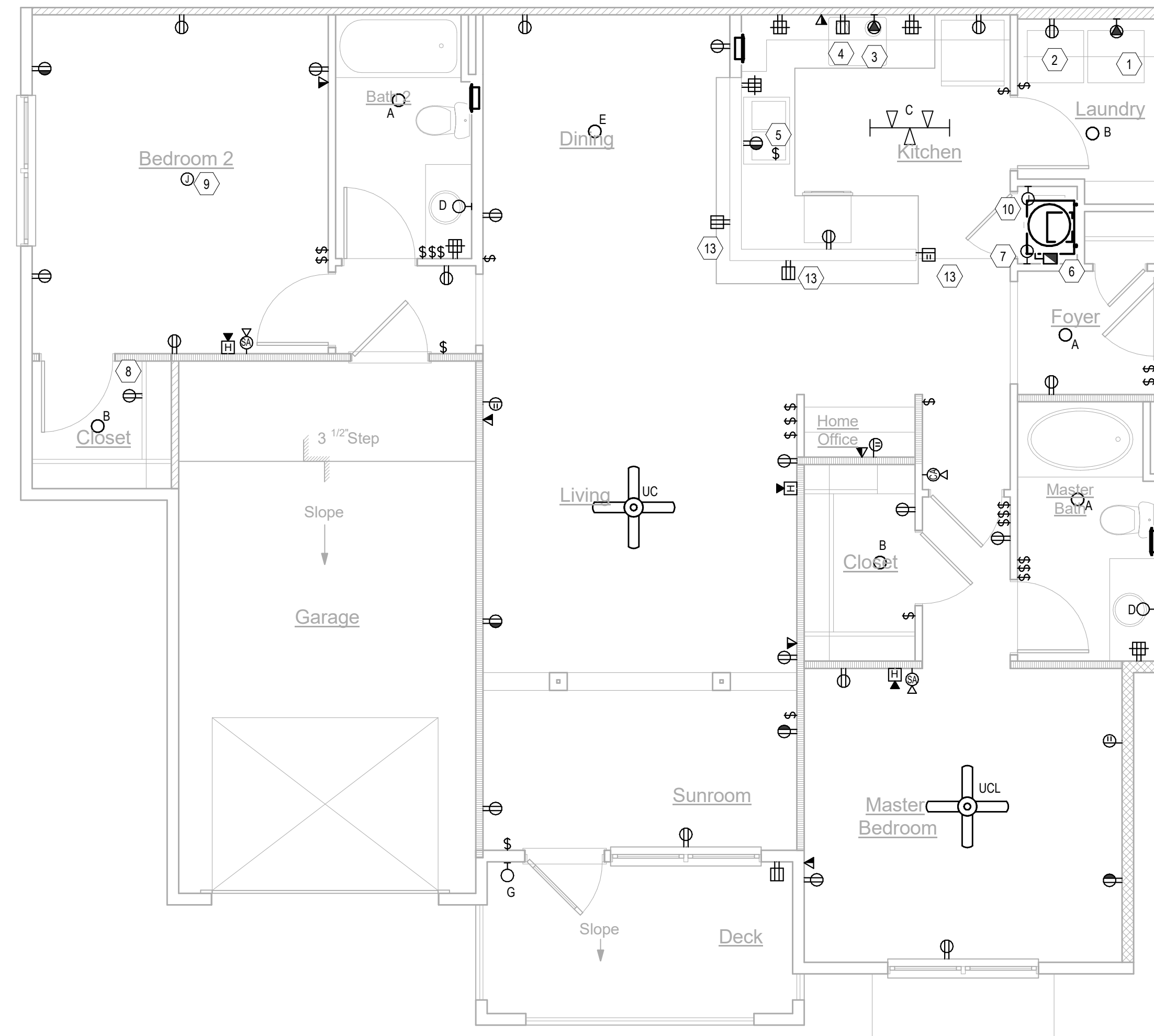
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 - COORDINATE EXACT REQUIREMENTS OF ALL EQUIPMENT AND APPLIANCES FURNISHED BY OTHERS.
 - COORDINATE LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL/INTERIORS DRAWINGS.
- SEVERAL DWELLING UNIT CIRCUITS AND RECEPTACLES ARE REQUIRED TO BE AFCI- AND/OR GFCI-PROTECTED. REFER TO DRAWINGS AND LOAD CENTER SCHEDULES FOR MORE INFORMATION.
- FOR EACH DWELLING UNIT LOCATED AT GRADE-LEVEL OR ON A FLOOR ACCESSIBLE BY ELEVATOR:
 - LOAD CENTER SHALL BE INSTALLED SO THAT NO TRIM LATCH OR BREAKER IS GREATER THAN 48" AFF.
 - FOR ALL DESIGNATED "ANSI TYPE A" UNITS, A TOGGLE SWITCH SHALL BE FIELD-INSTALLED AND WIRED FOR THE RANGE HOOD/LIGHT CIRCUIT. SWITCH SHALL BE MOUNTED ABOVE COUNTER WITHIN REQUIRED REACH RANGES.
- UNLESS DIRECTED OTHERWISE, DESIGNATED "ANSI TYPE A" UNITS SHALL HAVE COMMUNICATION FEATURES FOR SENSOARY-IMPAIRED (HEARING OR VISION):
 - FURNISH AND INSTALL AN EDWARDS (OR EQUAL) "DOORBELL" SYSTEM (CAT# 7005-GS), CONSISTING OF A LOW-VOLTAGE TRANSFORMER, PUSHBUTTON AND HORN/STROBE. LOCATE PUSHBUTTON WITH COVERPLATE (CAT# 147-10) OUTSIDE OF ENTRY DOOR, TRANSFORMER CONCEALED WITHIN CLOTHES CLOSET, AND HORN/STROBE WITHIN LIVING ROOM.
 - EACH FIRE ALARM SYSTEM AUDIBLE APPLIANCE SHALL BE EQUIPPED WITH A VISUAL DEVICE.
 - A FIRE ALARM VISUAL DEVICE SHALL BE INSTALLED IN EACH BATHROOM.
 - REFER TO DETAIL INCLUDED IN THESE DRAWINGS FOR WIRING DIAGRAM OF SMOKE ALARMS AND FIRE ALARM DEVICES.
- WHERE APPLICABLE, KITCHEN RECEPTACLE CIRCUIT SHALL POWER GAS COOKTOP IGNITER.

UNIT KEYNOTES

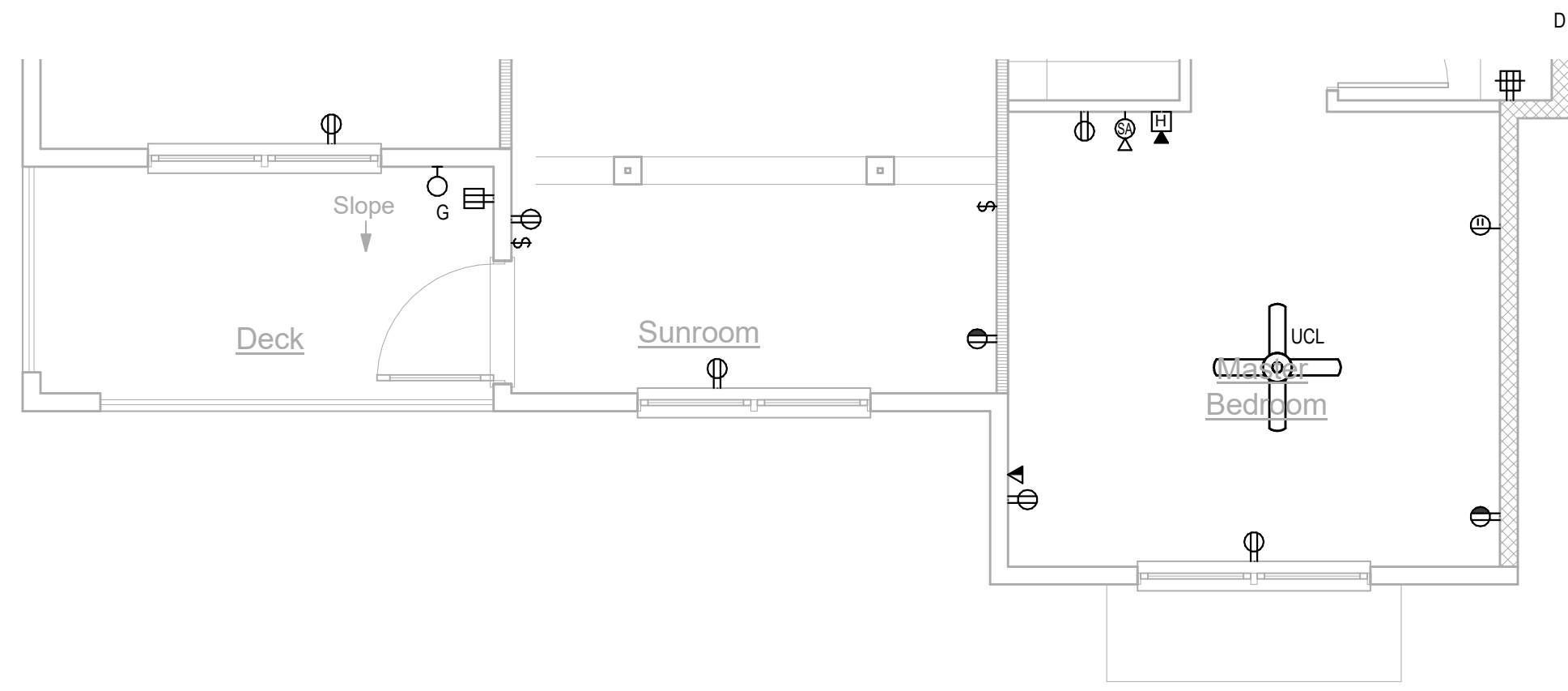
- NEMA 5-20R FOR CLOTHES WASHER. CIRCUIT SHALL BE 2#12, #12G.
- NEMA 14-30R FOR CLOTHES DRYER. CIRCUIT SHALL BE 3#10, #10G.
- NEMA 14-50R FOR RANGE/OVEN. CIRCUIT SHALL BE 3#6, #10G.
- NEMA 5-20R FOR MICROVAPE/EXHAUST HOOD. CIRCUIT SHALL BE 2#12, #12G. LOCATE RECEPTACLE IN CABINETRY ABOVE.
- FOR SINK DISPOSAL/DISHWASHER CONNECTION, INSTALL SPLIT-WIRED NEMA 5-20R DUPLEX WITHIN BASE CABINET. RECEPTACLE LOCATION SHALL BE ADJACENT TO DISHWASHER.
- DISCONNECT SWITCH FOR AIR-HANDLING UNIT.
- JUNCTION BOX FOR CONNECTION TO WATER HEATER. CIRCUIT SHALL BE 2#10, #10G.
- CONTRACTOR SHALL FURNISH AND INSTALL A STRUCTURED MEDIA BOX FOR TERMINATION OF COMMUNICATION CABLES. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN. COORDINATE FINAL LOCATION WITH SHELVING IN THIS ROOM.
- PROVIDE CEILING FAN RATED JUNCTION BOX.
- PROVIDE JUNCTION BOX TO POWER OUTSIDE AIR VENTILATION FAN. COORDINATE EXACT INSTALLATION HEIGHT WITH MECHANICAL EQUIPMENT.
- REFER TO "DWELLING UNIT VERTICAL AIR HANDLING UNIT" MECHANICAL DETAIL ON M5.1 FOR COORDINATION.
- DOOR PUSH BUTTON FOR COMMUNICATION FEATURES SYSTEM.
- INSTALL RECEPTACLE NO MORE THAN 12" BELOW COUNTERTOP, PROVIDED THAT THE COUNTERTOP EXTENDS NO MORE THAN 6" BEYOND ITS SUPPORT BASE.



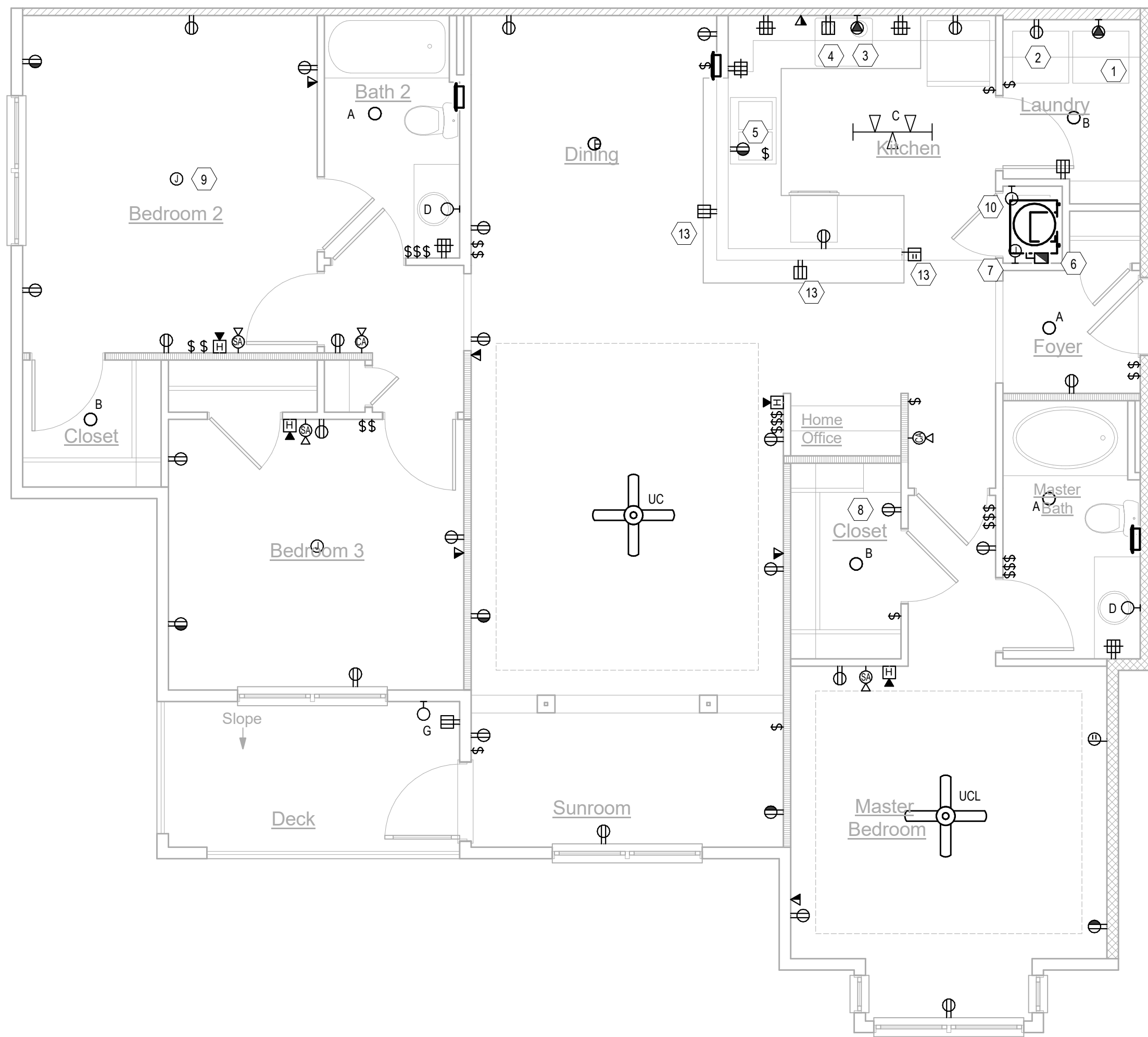
2 E-L1-UNITS-UNIT B3
Scale: 1/4" = 1'-0"



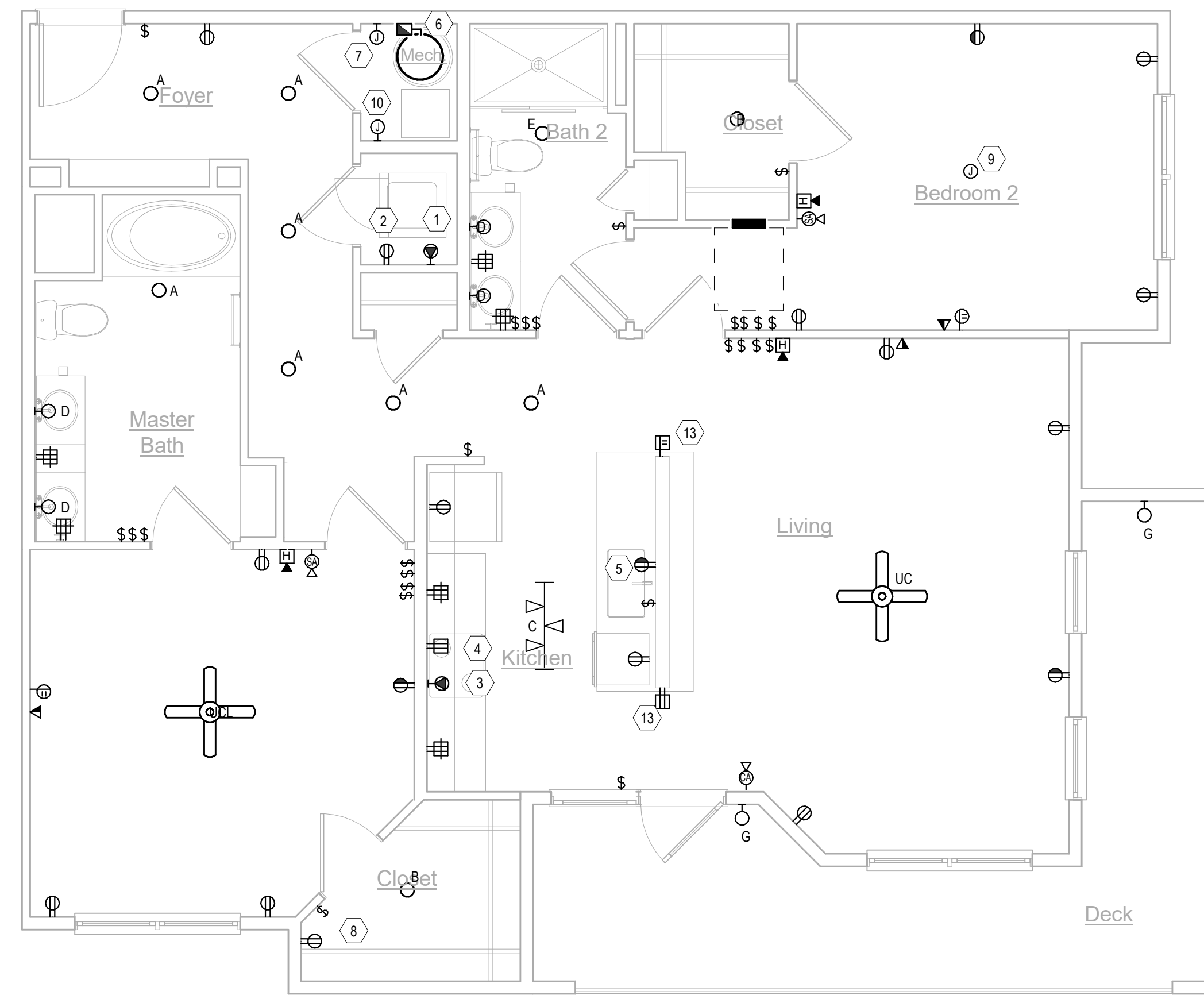
1 E-L1-UNITS-UNIT B2
Scale: 1/4" = 1'-0"



3 E-L1-UNITS-UNIT C1-G
Scale: 1/4" = 1'-0"



2 E-L1-UNITS-UNIT C1
Scale: 1/4" = 1'-0"



1 E-L1-UNITS-UNIT B4
Scale: 1/4" = 1'-0"

UNIT GENERAL NOTES

1. LOCATION OF SMOKE ALARMS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, OR TIP OF A CEILING FAN BLADE, AND SHALL BE NO LESS THAN 10" FROM A FIXED COOKING APPLIANCE. WHERE WALL MOUNTED, TOP OF DEVICE SHALL BE NO GREATER THAN 12" FROM CEILING. COORDINATE LOCATION WITH SOFFITS AND CROWN MOULDING (WHERE PRESENT).
2. SMOKE AND CO ALARMS SHALL BE WIRED TO AN UNSWITCHED LIGHTING AND RECEPTACLE CIRCUIT. ALARM DEVICES WITHIN A DWELLING UNIT SHALL BE WIRED SO THAT UPON THE ACTIVATION OF ANY ALARM IN THE DWELLING UNIT, ALL DEVICES WITHIN THE DWELLING SHALL SIGNAL AN ALARM.
3. REFER TO "ELECTRICAL DEVICES-DWELLING UNIT KITCHEN" DETAIL INCLUDED IN THESE DRAWINGS FOR DIMENSIONAL INFORMATION OF DEVICES AT CORNERS (WHERE APPLICABLE).
4. ALL 120V, 15- AND 20-AMP RECEPTACLES IN DWELLING UNITS SHALL BE LISTED TAMPER-RESISTANT TYPE.
5. OUTLET BOXES INSTALLED FOR CEILING FANS SHALL BE UL-LISTED "FOR USE WITH CEILING FANS".
6. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR APPLICABLE CIRCUIT REQUIREMENTS.
7. PRIOR TO ROUGH-IN, CONTRACTOR SHALL:
 - A. COORDINATE EXACT REQUIREMENTS OF ALL EQUIPMENT AND APPLIANCES FURNISHED BY OTHERS.
 - B. COORDINATE LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL/INTERIORS DRAWINGS.
8. SEVERAL DWELLING UNIT CIRCUITS AND RECEPTACLES ARE REQUIRED TO BE AFCI- AND/OR GFCI-PROTECTED. REFER TO DRAWINGS AND LOAD CENTER SCHEDULES FOR MORE INFORMATION.
9. FOR EACH DWELLING UNIT LOCATED AT GRADE-LEVEL OR ON A FLOOR ACCESSIBLE BY ELEVATOR:
 - A. LOAD CENTER SHALL BE INSTALLED SO THAT NO TRIM LATCH OR BREAKER IS GREATER THAN 48" AFF.
 - B. FOR ALL DESIGNATED "ANSI TYPE A" UNITS, A TOGGLE SWITCH SHALL BE FIELD-INSTALLED AND WIRED FOR THE RANGE HOODLIGHT CIRCUIT. SWITCH SHALL BE MOUNTED ABOVE COUNTER WITHIN REQUIRED REACH RANGES.
10. UNLESS DIRECTED OTHERWISE, DESIGNATED "ANSI TYPE A" UNITS SHALL HAVE COMMUNICATION FEATURES FOR SENSOARY-IMPAIRED (HEARING OR VISION):
 - A. FURNISH AND INSTALL AN EDWARDS (OR EQUAL) "DOORBELL" SYSTEM (CAT# 7005-G5), CONSISTING OF A LOW-VOLTAGE TRANSFORMER, PUSHBUTTON AND HORN/STROBE. LOCATE PUSHBUTTON WITH COVERPLATE (CAT# 147-10) OUTSIDE OF ENTRY DOOR, TRANSFORMER CONCEALED WITHIN CLOTHES CLOSET, AND HORN/STROBE WITHIN LIVING ROOM.
 - B. EACH FIRE ALARM SYSTEM AUDIBLE APPLIANCE SHALL BE EQUIPPED WITH A VISUAL DEVICE.
 - C. A FIRE ALARM VISUAL DEVICE SHALL BE INSTALLED IN EACH BATHROOM.
 - D. REFER TO DETAIL INCLUDED IN THESE DRAWINGS FOR WIRING DIAGRAM OF SMOKE ALARMS AND FIRE ALARM DEVICES.
11. WHERE APPLICABLE, KITCHEN RECEPTACLE CIRCUIT SHALL POWER GAS COOKTOP IGNITER.

UNIT KEYNOTES

1. NEMA 5-20R FOR CLOTHES WASHER. CIRCUIT SHALL BE 2#12, #12G.
2. NEMA 14-30R FOR CLOTHES DRYER. CIRCUIT SHALL BE 3#10, #10G.
3. NEMA 14-50R FOR RANGE/OVEN. CIRCUIT SHALL BE 3#6, #10G.
4. NEMA 5-20R FOR MICROWAVE/EXHAUST HOOD. CIRCUIT SHALL BE 2#12, #12G. LOCATE RECEPTACLE IN CABINETRY ABOVE.
5. FOR SINK DISPOSAL/DISHWASHER CONNECTION, INSTALL SPLIT-WIRED NEMA 5-20R DUPLEX WITHIN BASE CABINET. RECEPTACLE LOCATION SHALL BE ADJACENT TO DISHWASHER.
6. DISCONNECT SWITCH FOR AIR-HANDLING UNIT.
7. JUNCTION BOX FOR CONNECTION TO WATER HEATER. CIRCUIT SHALL BE 2#10, #1 10G.
8. CONTRACTOR SHALL FURNISH AND INSTALL A STRUCTURED MEDIA BOX FOR TERMINATION OF COMMUNICATION CABLES. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN. COORDINATE FINAL LOCATION WITH SHELVING IN THIS ROOM.
9. PROVIDE CEILING FAN RATED JUNCTION BOX.
10. PROVIDE JUNCTION BOX TO POWER OUTSIDE AIR VENTILATION FAN. COORDINATE EXACT INSTALLATION HEIGHT WITH MECHANICAL EQUIPMENT.
11. REFER TO "DWELLING UNIT VERTICAL AIR HANDLING UNIT" MECHANICAL DETAIL ON M5.1 FOR COORDINATION.
12. DOOR PUSH BUTTON FOR COMMUNICATION FEATURES SYSTEM.
13. INSTALL RECEPTACLE NO MORE THAN 12" BELOW COUNTERTOP, PROVIDED THAT THE COUNTERTOP EXTENDS NO MORE THAN 6" BEYOND ITS SUPPORT BASE.

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
UNIT PLANS

Date:
September 30, 2022

Sheet Number:

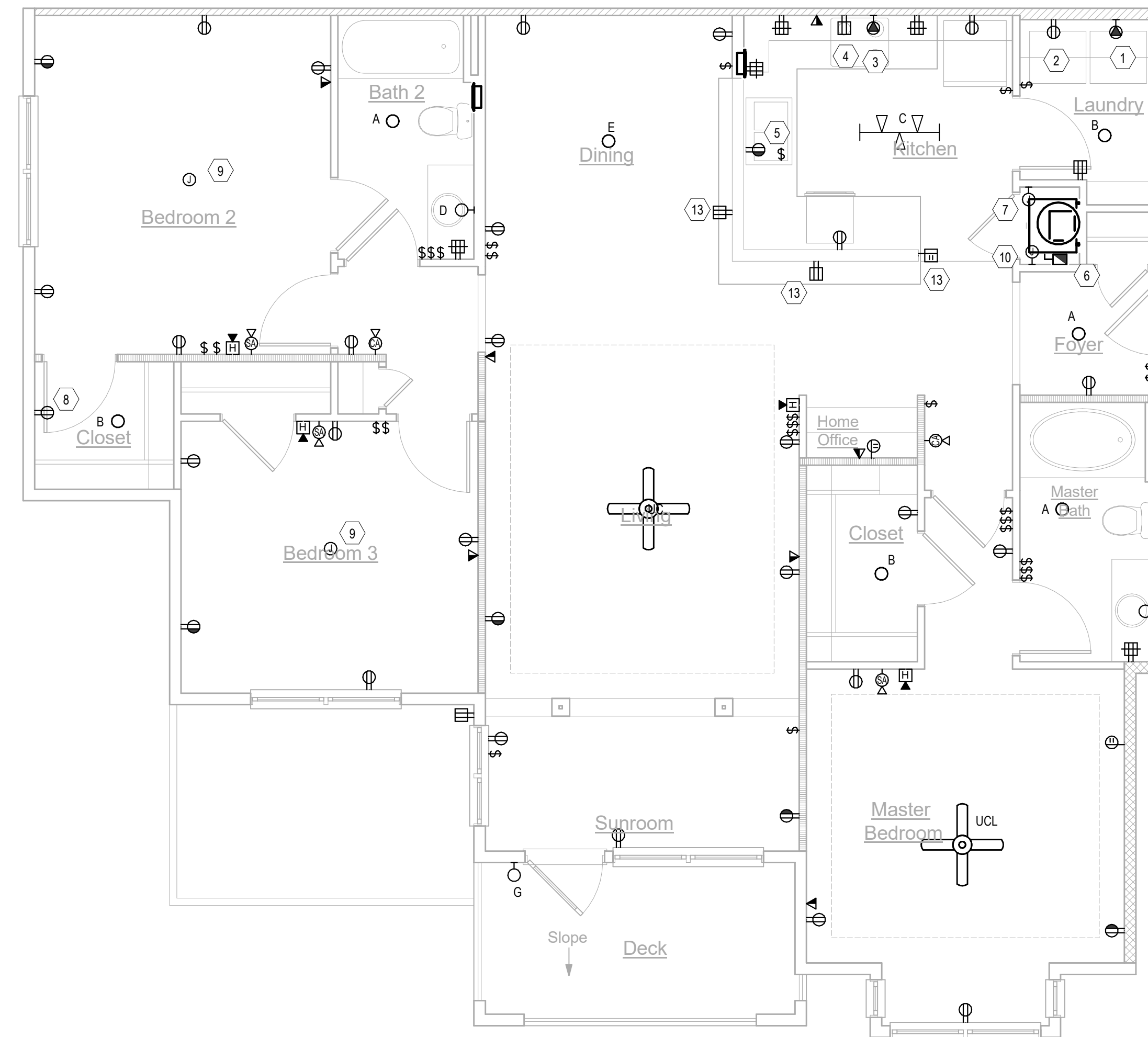
E4.05

UNIT GENERAL NOTES

1. LOCATION OF SMOKE ALARMS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, OR TIP OF A CEILING FAN BLADE, AND SHALL BE NO LESS THAN 10" FROM A FIXED COOKING APPLIANCE. WHERE WALL MOUNTED, TOP OF DEVICE SHALL BE NO GREATER THAN 12" FROM CEILING. COORDINATE LOCATION WITH SOFFITS AND CROWN MOULDING (WHERE PRESENT).
2. SMOKE AND CO ALARMS SHALL BE WIRED TO AN UNSWITCHED LIGHTING AND RECEPTACLE CIRCUIT. ALARM DEVICES WITHIN A DWELLING UNIT SHALL BE WIRED SO THAT UPON THE ACTIVATION OF ANY ALARM IN THE DWELLING UNIT, ALL DEVICES WITHIN THE DWELLING SHALL SIGNAL AN ALARM.
3. REFER TO "ELECTRICAL DEVICES-DWELLING UNIT KITCHEN" DETAIL INCLUDED IN THESE DRAWINGS FOR DIMENSIONAL INFORMATION OF DEVICES AT CORNERS (WHERE APPLICABLE).
4. ALL 120V, 15- AND 20-AMP RECEPTACLES IN DWELLING UNITS SHALL BE LISTED TAMPER-RESISTANT TYPE.
5. OUTLET BOXES INSTALLED FOR CEILING FANS SHALL BE UL-LISTED "FOR USE WITH CEILING FANS".
6. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR APPLICABLE CIRCUIT REQUIREMENTS.
7. PRIOR TO ROUGH-IN, CONTRACTOR SHALL:
 - A. COORDINATE EXACT REQUIREMENTS OF ALL EQUIPMENT AND APPLIANCES FURNISHED BY OTHERS.
 - B. COORDINATE LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL/INTERIORS DRAWINGS.
8. SEVERAL DWELLING UNIT CIRCUITS AND RECEPTACLES ARE REQUIRED TO BE AFCI- AND/OR GFCI-PROTECTED. REFER TO DRAWINGS AND LOAD CENTER SCHEDULES FOR MORE INFORMATION.
9. FOR EACH DWELLING UNIT LOCATED AT GRADE-LEVEL OR ON A FLOOR ACCESSIBLE BY ELEVATOR:
 - A. LOAD CENTER SHALL BE INSTALLED SO THAT NO TRIM LATCH OR BREAKER IS GREATER THAN 48" AFF.
 - B. FOR ALL DESIGNATED "ANSI TYPE A" UNITS, A TOGGLE SWITCH SHALL BE FIELD-INSTALLED AND WIRED FOR THE RANGE HOOD/LIGHT CIRCUIT. SWITCH SHALL BE MOUNTED ABOVE COUNTER WITHIN REQUIRED REACH RANGES.
10. UNLESS DIRECTED OTHERWISE, DESIGNATED "ANSI TYPE A" UNITS SHALL HAVE COMMUNICATION FEATURES FOR SENSOARY-IMPAIRED (HEARING OR VISION):
 - A. FURNISH AND INSTALL AN EDWARDS (OR EQUAL) "DOORBELL" SYSTEM (CAT# 705-65), CONSISTING OF A LOW-VOLTAGE TRANSFORMER, PUSHBUTTON AND HORN/STROBE. LOCATE PUSHBUTTON WITH COVERPLATE (CAT# 147-10) OUTSIDE OF ENTRY DOOR, TRANSFORMER CONCEALED WITHIN CLOTHES CLOSET, AND HORN/STROBE WITHIN LIVING ROOM.
 - B. EACH FIRE ALARM SYSTEM AUDIBLE APPLIANCE SHALL BE EQUIPPED WITH A VISUAL DEVICE.
 - C. A FIRE ALARM VISUAL DEVICE SHALL BE INSTALLED IN EACH BATHROOM.
 - D. REFER TO DETAIL INCLUDED IN THESE DRAWINGS FOR WIRING DIAGRAM OF SMOKE ALARMS AND FIRE ALARM DEVICES.
11. WHERE APPLICABLE, KITCHEN RECEPTACLE CIRCUIT SHALL POWER GAS COOKTOP IGNITER.

UNIT KEYNOTES

1. NEMA 5-20R FOR CLOTHES WASHER. CIRCUIT SHALL BE 2#12, #12G.
2. NEMA 14-30R FOR CLOTHES DRYER. CIRCUIT SHALL BE 3#10, #10G.
3. NEMA 14-50R FOR RANGE/OVEN. CIRCUIT SHALL BE 3#6, #10G.
4. NEMA 5-20R FOR MICROWAVE/EXHAUST HOOD. CIRCUIT SHALL BE 2#12, #12G. LOCATE RECEPTACLE IN CABINETRY ABOVE.
5. FOR SINK DISPOSAL/DISHWASHER CONNECTION, INSTALL SPLIT-WIRED NEMA 5-20R DUPLEX WITHIN BASE CABINET. RECEPTACLE LOCATION SHALL BE ADJACENT TO DISHWASHER.
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7. JUNCTION BOX FOR CONNECTION TO WATER HEATER. CIRCUIT SHALL BE 2#10, #10G.
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11. REFER TO "DWELLING UNIT VERTICAL AIR HANDLING UNIT" MECHANICAL DETAIL ON M5.1 FOR COORDINATION.
12. DOOR PUSH BUTTON FOR COMMUNICATION FEATURES SYSTEM.
13. INSTALL RECEPTACLE NO MORE THAN 12" BELOW COUNTERTOP, PROVIDED THAT THE COUNTERTOP EXTENDS NO MORE THAN 6" BEYOND ITS SUPPORT BASE.



1 E-L1-UNITS-UNIT C1A
Scale: 1/4" = 1'-0"

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
UNIT PLANS

Date:
September 30, 2022

Sheet Number:

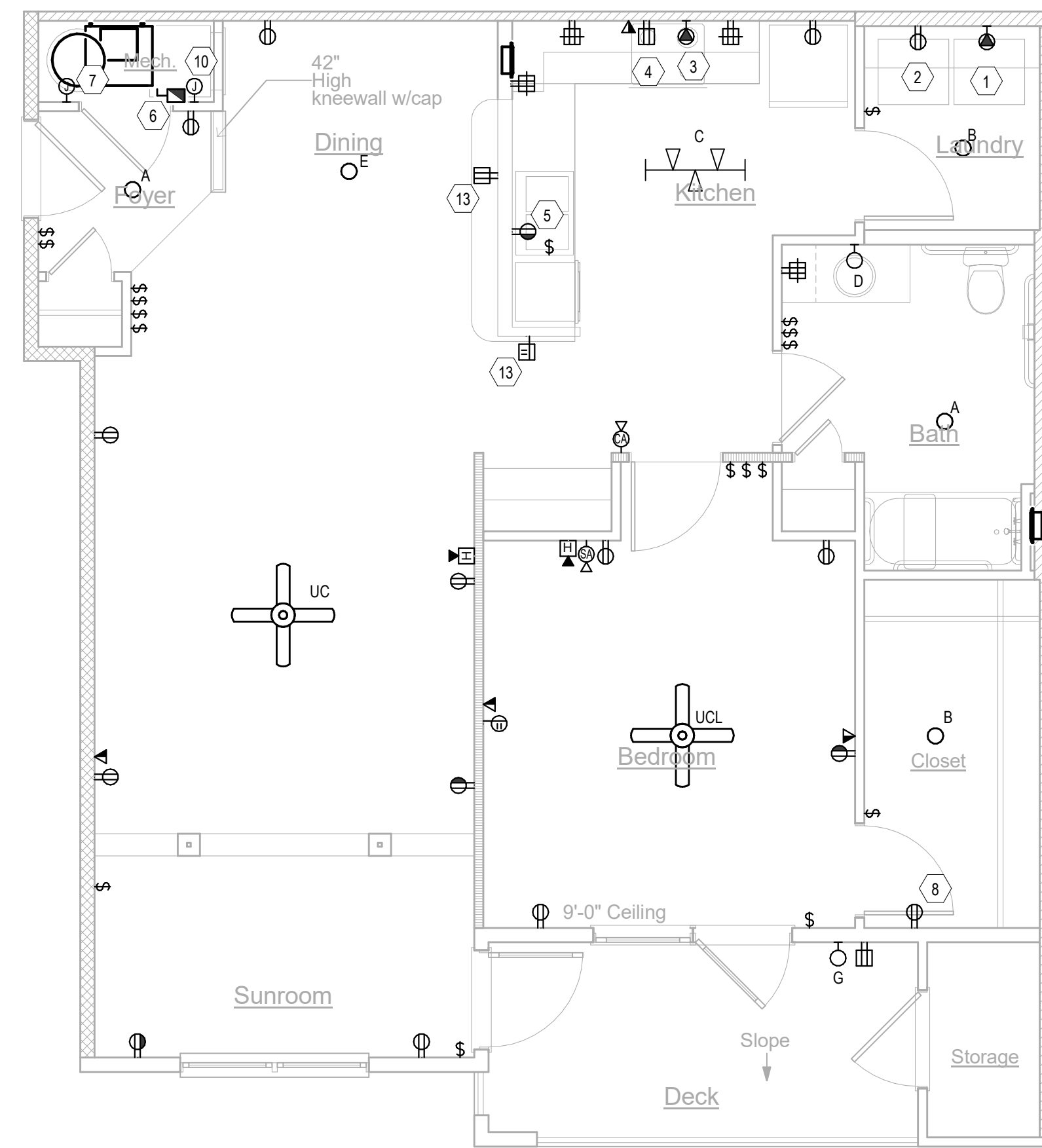
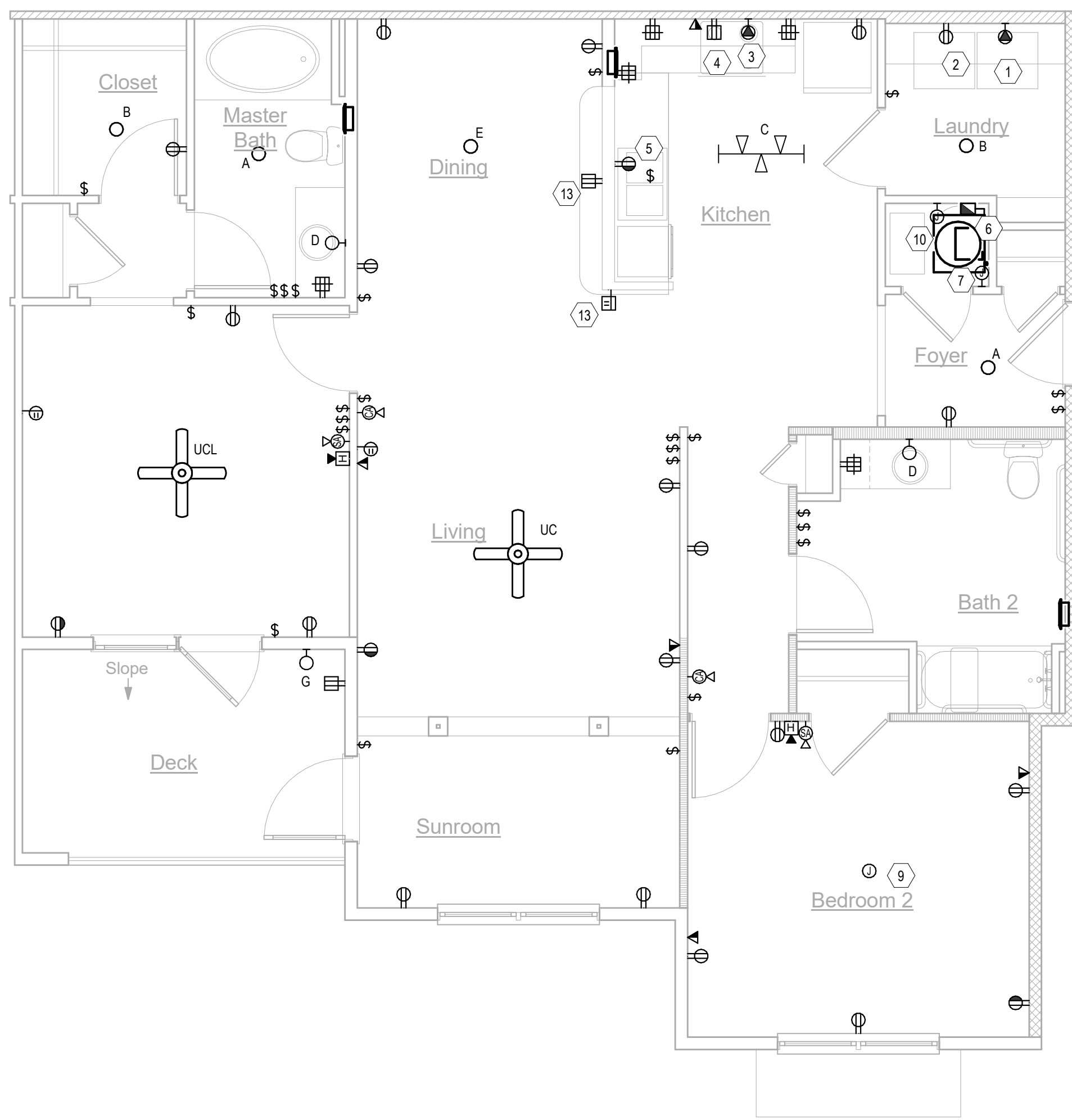
E4.06

UNIT GENERAL NOTES

- LOCATION OF SMOKE ALARMS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, OR TIP OF A CEILING FAN BLADE, AND SHALL BE NO LESS THAN 10" FROM A FIXED COOKING APPLIANCE. WHERE WALL MOUNTED, TOP OF DEVICE SHALL BE NO GREATER THAN 12" FROM CEILING. COORDINATE LOCATION WITH SOFFITS AND CROWN MOULDING (WHERE PRESENT).
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 - EACH FIRE ALARM SYSTEM AUDIBLE APPLIANCE SHALL BE EQUIPPED WITH A VISUAL DEVICE.
 - A FIRE ALARM VISUAL DEVICE SHALL BE INSTALLED IN EACH BATHROOM.
 - REFER TO DETAIL INCLUDED IN THESE DRAWINGS FOR WIRING DIAGRAM OF SMOKE ALARMS AND FIRE ALARM DEVICES.
- WHERE APPLICABLE, KITCHEN RECEPTACLE CIRCUIT SHALL POWER GAS COOKTOP IGNITER.

UNIT KEYNOTES

- NEMA 5-20R FOR CLOTHES WASHER. CIRCUIT SHALL BE 2#12, #12G.
- NEMA 14-30R FOR CLOTHES DRYER. CIRCUIT SHALL BE 3#10, #10G.
- NEMA 14-50R FOR RANGE/OVEN. CIRCUIT SHALL BE 3#6, #10G.
- NEMA 5-20R FOR MICROWAVE/EXHAUST HOOD. CIRCUIT SHALL BE 2#12, #12G. LOCATE RECEPTACLE IN CABINETS ABOVE.
- FOR SINK DISPOSAL/DISHWASHER CONNECTION, INSTALL SPLIT-WIRED NEMA 5-20R DUPLEX WITHIN BASE CABINET. RECEPTACLE LOCATION SHALL BE ADJACENT TO DISHWASHER.
- DISCONNECT SWITCH FOR AIR-HANDLING UNIT.
- JUNCTION BOX FOR CONNECTION TO WATER HEATER. CIRCUIT SHALL BE 2#10, #10G.
- CONTRACTOR SHALL FURNISH AND INSTALL A STRUCTURED MEDIA BOX FOR TERMINATION OF COMMUNICATION CABLES. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN. COORDINATE FINAL LOCATION WITH SHELVING IN THIS ROOM.
- PROVIDE CEILING FAN RATED JUNCTION BOX.
- PROVIDE JUNCTION BOX TO POWER OUTSIDE AIR VENTILATION FAN. COORDINATE EXACT INSTALLATION HEIGHT WITH MECHANICAL EQUIPMENT.
- REFER TO "DWELLING UNIT VERTICAL AIR HANDLING UNIT" MECHANICAL DETAIL ON M5.1 FOR COORDINATION.
- DOOR PUSH BUTTON FOR COMMUNICATION FEATURES SYSTEM.
- INSTALL RECEPTACLE NO MORE THAN 12" BELOW COUNTERTOP, PROVIDED THAT THE COUNTERTOP EXTENDS NO MORE THAN 6" BEYOND ITS SUPPORT BASE.



2 E-L1-UNITS-UNIT B1-G-HC
Scale: 1/4" = 1'-0"

1 E-L1-UNITS-UNIT A1-HC
Scale: 1/4" = 1'-0"

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
UNIT PLANS

Date:
September 30, 2022

Sheet Number:

E4.07

UNIT "A1" load center schedule table with columns for appliance, square footage, and demand factor.

LOAD CENTER SCHEDULE - A1 table with columns for CT, TRIP, POLES, BKR TYPE, DESCRIPTION, PHASE, DESCRIPTION, BKR TYPE, TRIP / POLES, and CT #.

UNIT "A2" load center schedule table with columns for appliance, square footage, and demand factor.

LOAD CENTER SCHEDULE - A2 table with columns for CT, TRIP, POLES, BKR TYPE, DESCRIPTION, PHASE, DESCRIPTION, BKR TYPE, TRIP / POLES, and CT #.

UNIT "A3" load center schedule table with columns for appliance, square footage, and demand factor.

LOAD CENTER SCHEDULE - A3 table with columns for CT, TRIP, POLES, BKR TYPE, DESCRIPTION, PHASE, DESCRIPTION, BKR TYPE, TRIP / POLES, and CT #.

UNIT "A4" load center schedule table with columns for appliance, square footage, and demand factor.

LOAD CENTER SCHEDULE - A4 table with columns for CT, TRIP, POLES, BKR TYPE, DESCRIPTION, PHASE, DESCRIPTION, BKR TYPE, TRIP / POLES, and CT #.

UNIT "A5" load center schedule table with columns for appliance, square footage, and demand factor.

LOAD CENTER SCHEDULE - A5 table with columns for CT, TRIP, POLES, BKR TYPE, DESCRIPTION, PHASE, DESCRIPTION, BKR TYPE, TRIP / POLES, and CT #.

UNIT "A6" load center schedule table with columns for appliance, square footage, and demand factor.

LOAD CENTER SCHEDULE - A6 table with columns for CT, TRIP, POLES, BKR TYPE, DESCRIPTION, PHASE, DESCRIPTION, BKR TYPE, TRIP / POLES, and CT #.

Revisions table with columns for No., Description, and Date.

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

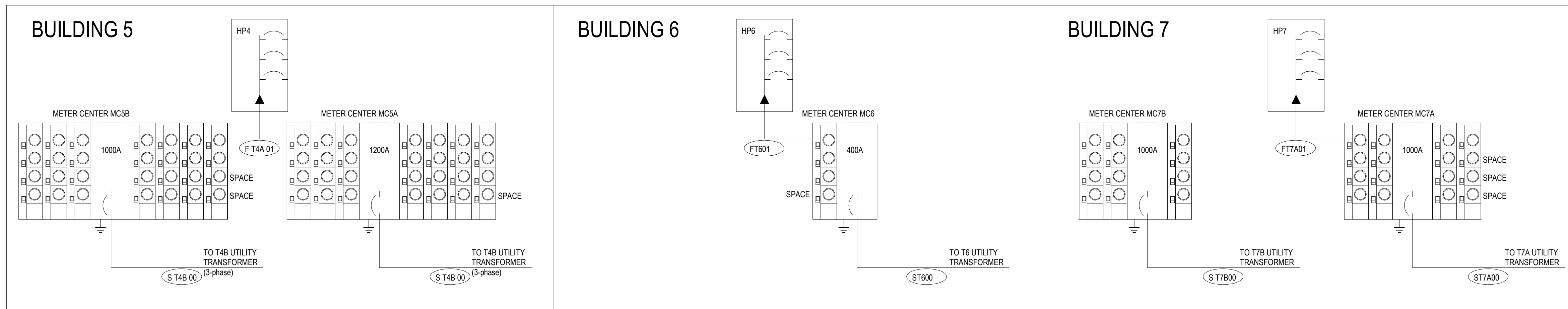
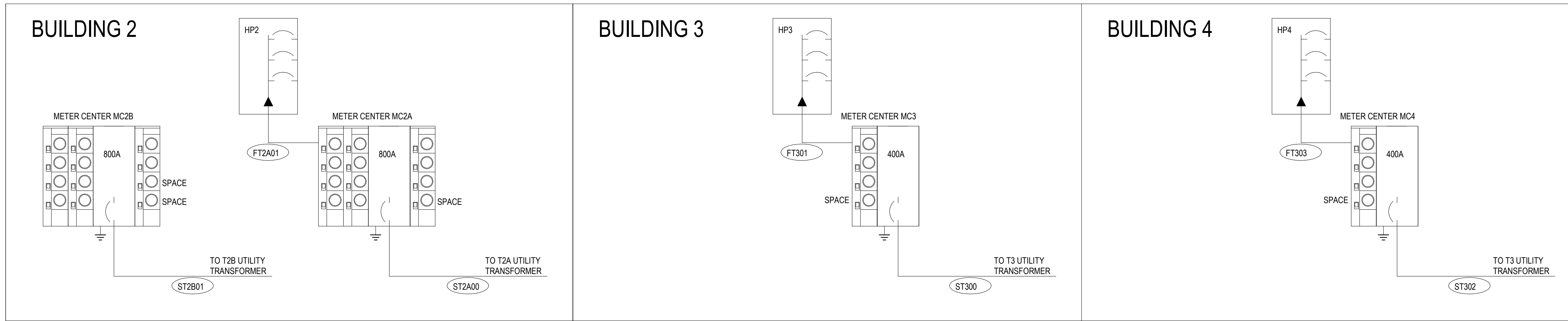
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Sheet Title:
UNIT LOAD CENTER AND CALCULATION

Date:
September 30, 2022

Sheet Number:

E4.10



SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T2A 00	MC2A	810	AL	3 sets	2 # 400	1 # 400	4	0.66%	32,206
F T2A 01	HP2	100	AL	1 set	2 # 1	1 # 1	1 1/2	0.21%	14,941
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T3 00	MC3	410	AL	2 sets	2 # 250	1 # 250	3	0.71%	25,162
F T3 01	HP3	100	AL	1 set	2 # 1	1 # 1	1 1/2	0.21%	13,223
S T3 02	MC4	410	AL	2 sets	2 # 250	1 # 250	3	0.71%	25,162
F T3 03	HP4	100	AL	1 set	2 # 1	1 # 1	1 1/2	0.21%	13,223
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T6 00	MC6	410	AL	2 sets	2 # 250	1 # 250	3	0.71%	25,162
F T6 01	HP6	100	AL	1 set	2 # 1	1 # 1	1 1/2	0.21%	13,223
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T2B 00	MC2B	810	AL	3 sets	2 # 400	1 # 400	4	0.63%	32,206
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T5A 00	MC5A	1200	AL	4 sets	3 # 500	1 # 500	4	0.56%	47,607
F T5A 01	HP5	100	AL	1 set	2 # 1	1 # 1	1 1/2	0.25%	16,024
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T7A 00	MC7A	1000	AL	4 sets	2 # 350	1 # 350	3	0.67%	33,624
F T7A 01	HP7	100	AL	1 set	2 # 1	1 # 1	1 1/2	0.21%	15,239
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T5B 00	MC5B	1000	AL	4 sets	3 # 350	1 # 350	3	0.72%	44,782
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES

DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR			
S T7B 00	MC7B	1000	AL	4 sets	2 # 350	1 # 350	3	0.64%	33,624
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

KEY: *CU* - COPPER *AL* - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

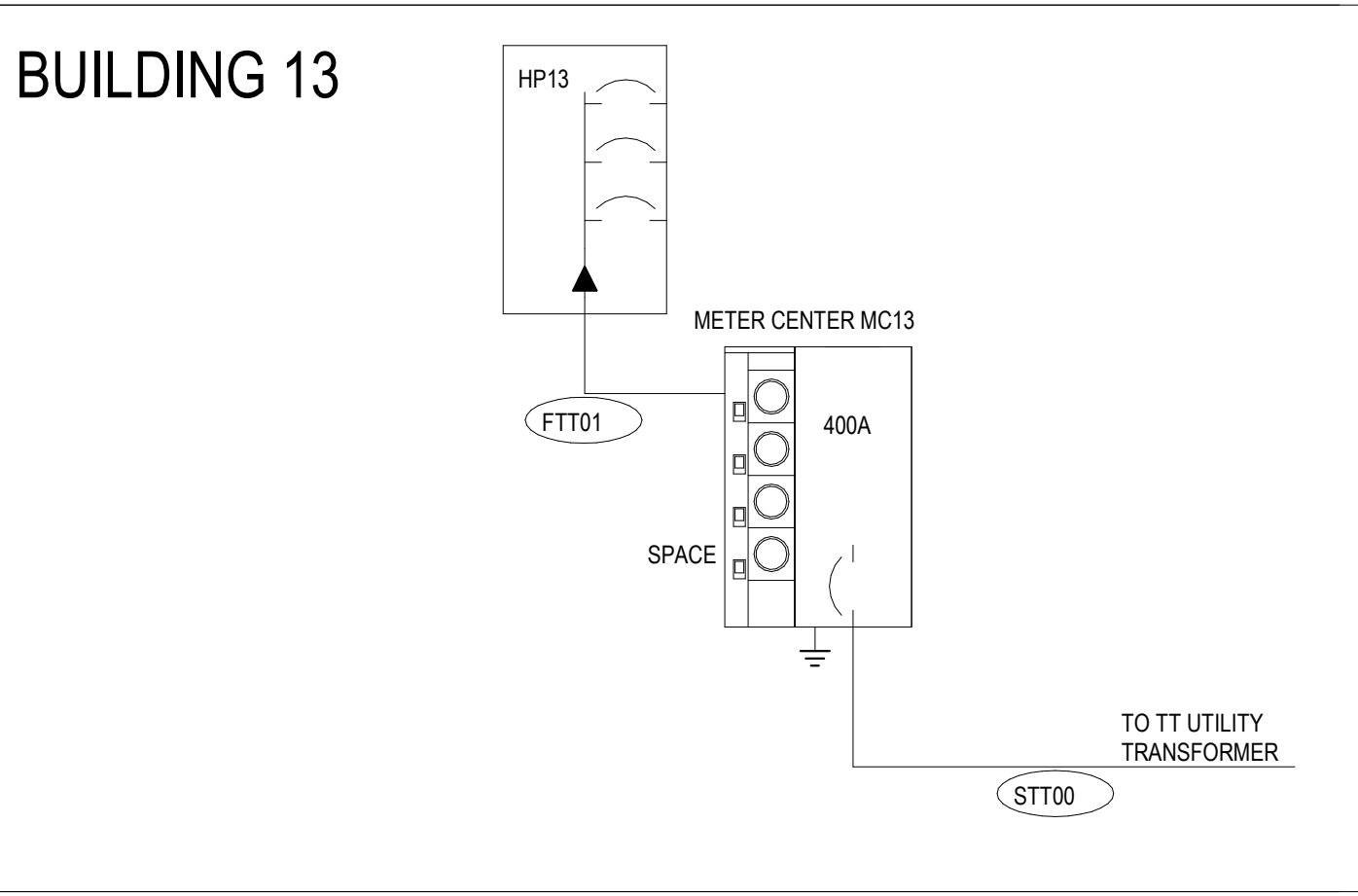
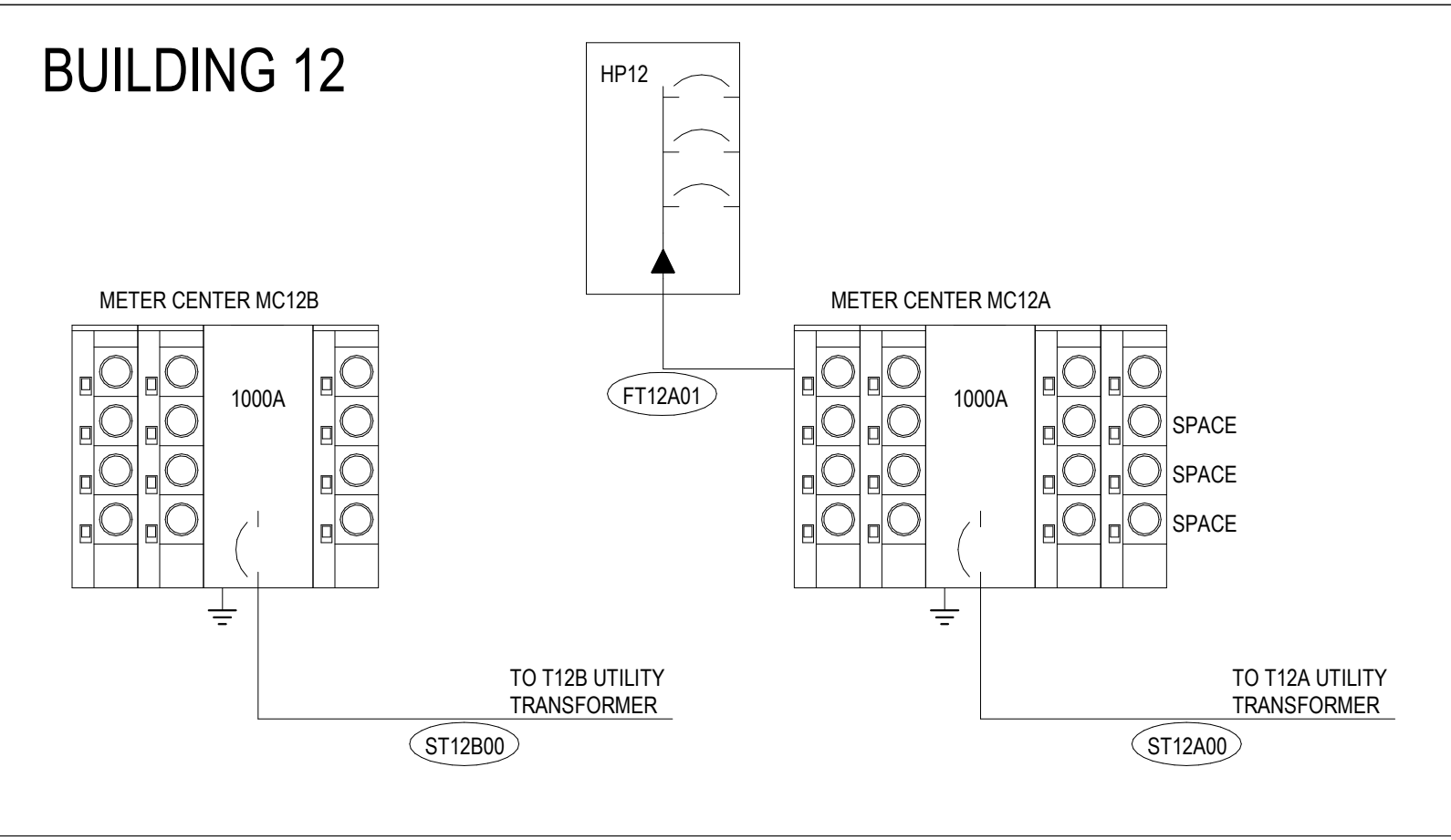
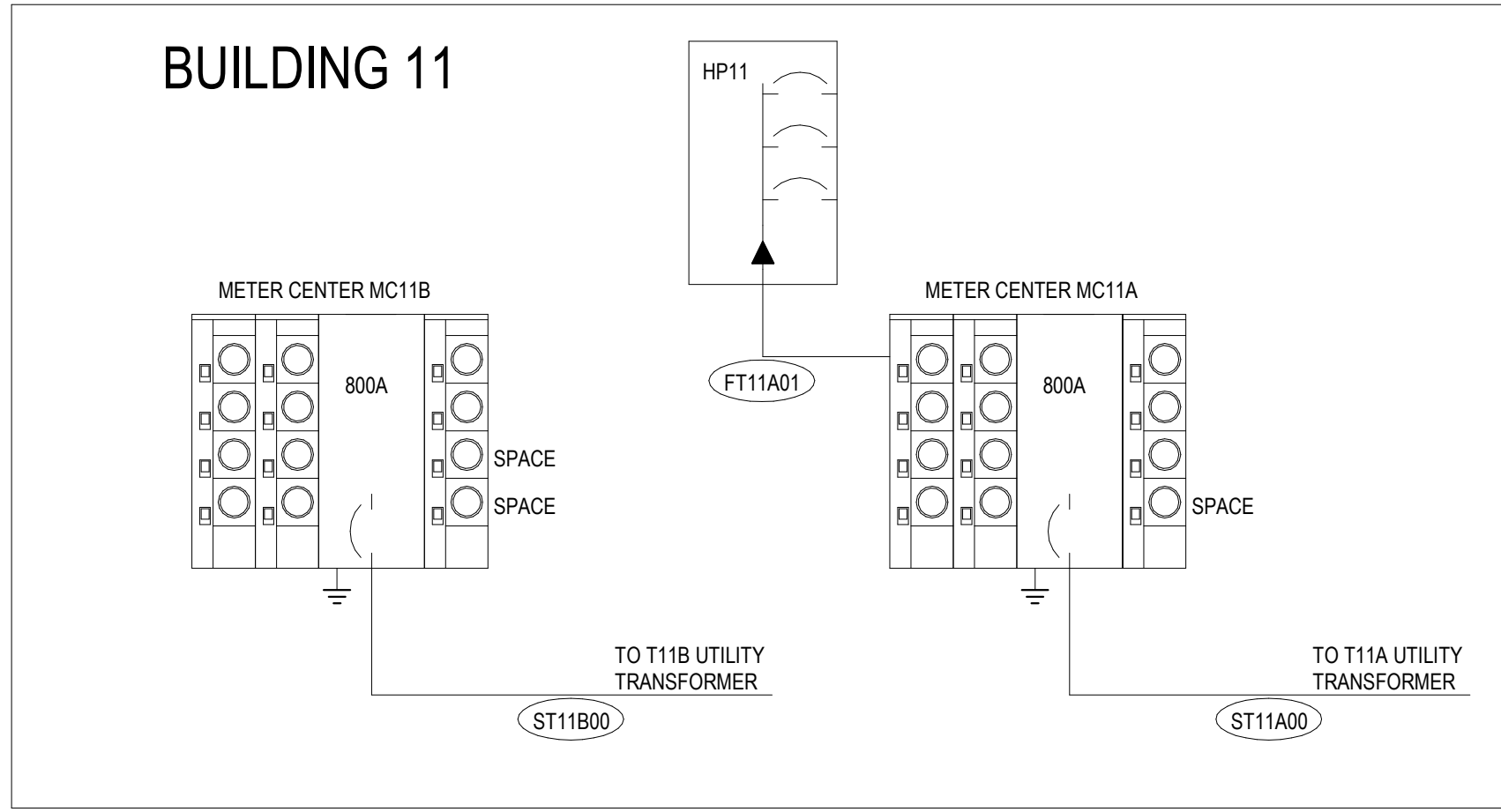
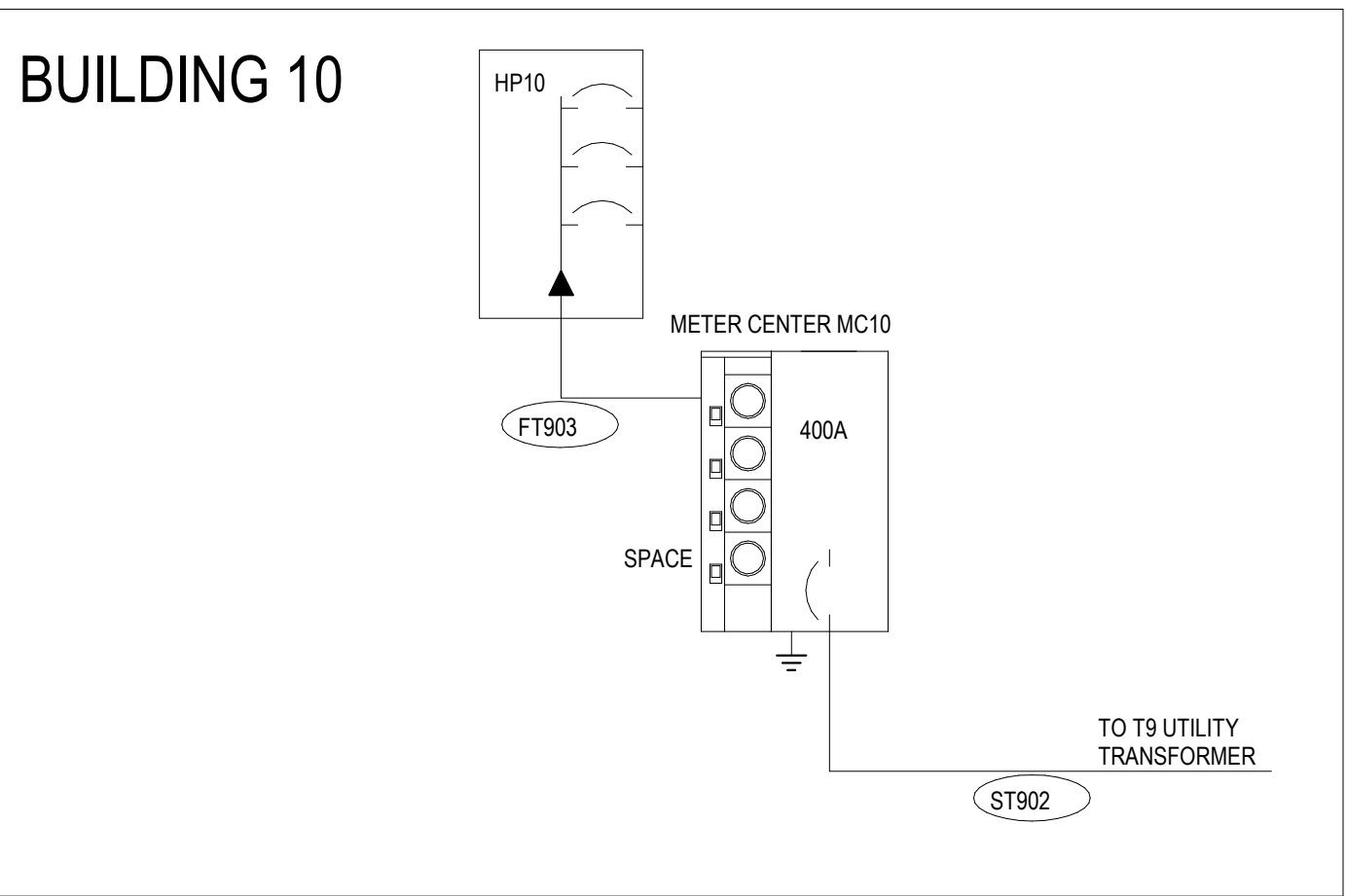
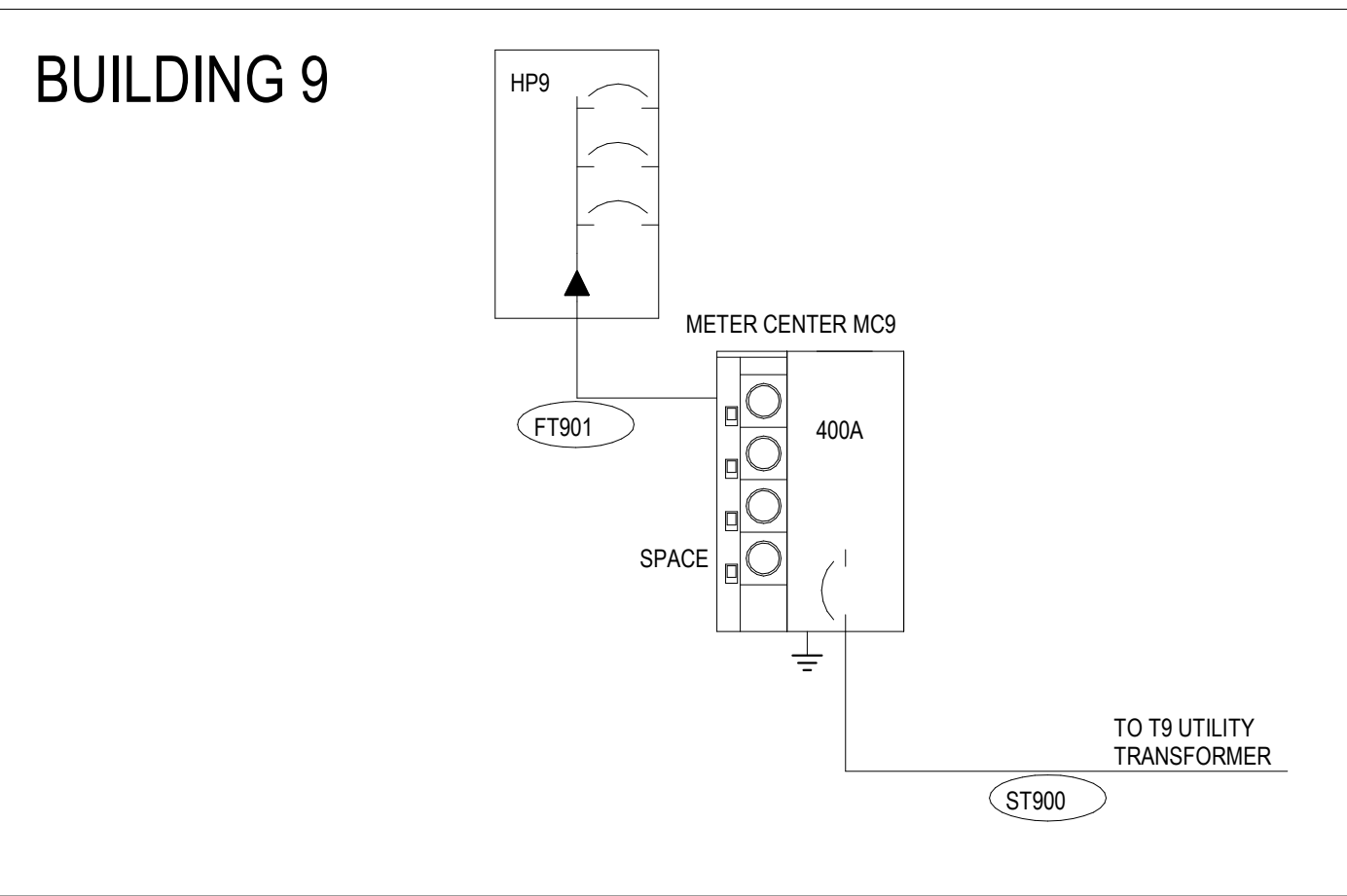
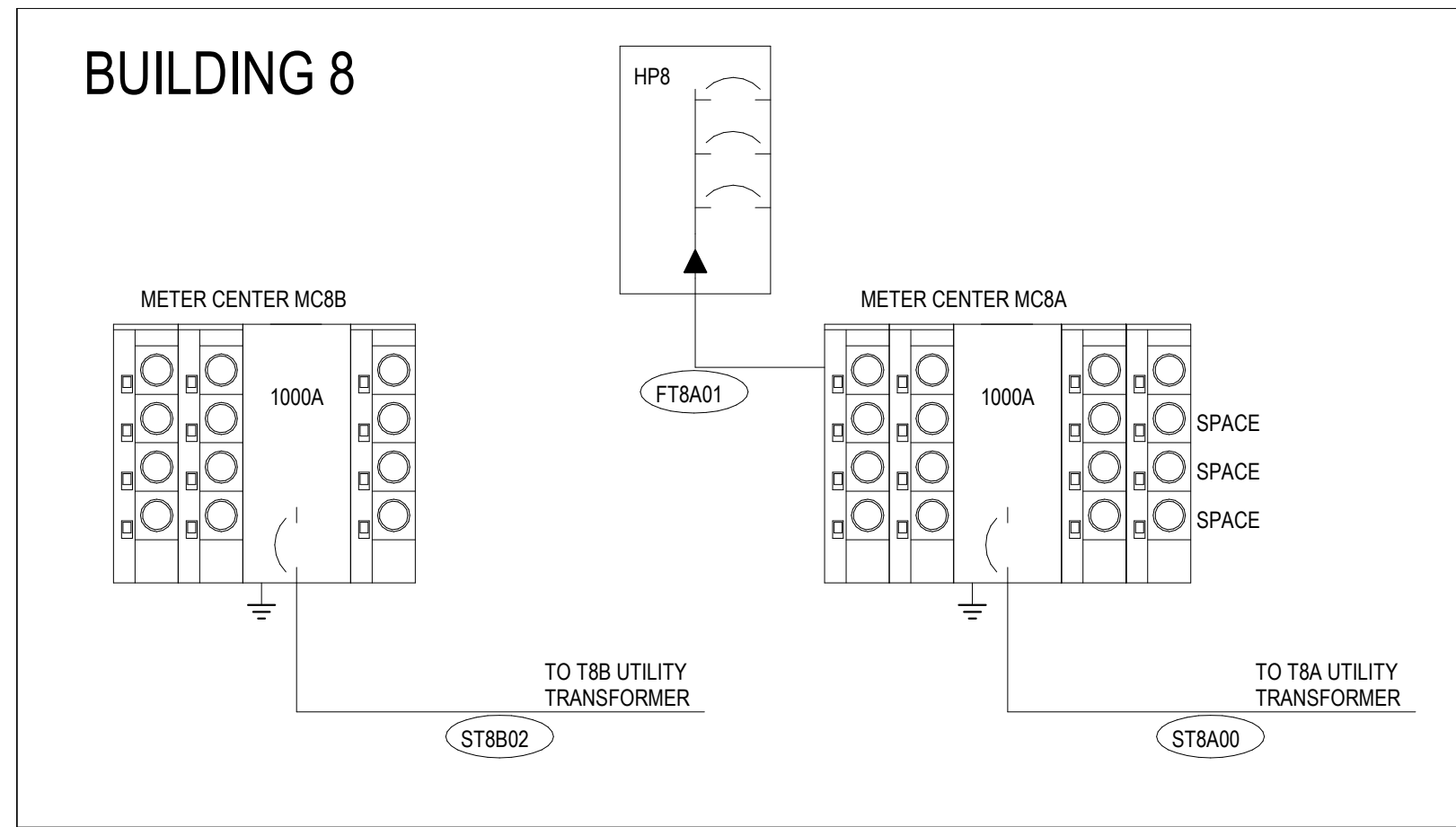
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September 30, 2022

Sheet Number:

E5.00



SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE	
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR				EQUIPMENT GROUND
S T8A 00	MC8A	1000	4 sets	2 # 350	1 # 350	-	3	0.67%	33,624	
F T8A 01	HP8	100	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	15,239	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE	
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR				EQUIPMENT GROUND
S T9 00	MC9	410	2 sets	2 # 250	1 # 250	-	3	0.71%	25,162	
F T9 01	HP9	100	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	13,223	
S T9 02	MC10	410	2 sets	2 # 250	1 # 250	-	3	0.71%	25,162	
F T9 03	HP10	100	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	13,223	
-	-	-	-	-	-	-	-	-	-	

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE	
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR				EQUIPMENT GROUND
S T11A 00	MC11A	810	3 sets	2 # 400	1 # 400	-	4	0.66%	32,206	
F T11A 01	HP11	100	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	14,941	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE	
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR				EQUIPMENT GROUND
S T11B 00	MC11B	810	3 sets	2 # 400	1 # 400	-	4	0.63%	32,206	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE	
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR				EQUIPMENT GROUND
S T12A 00	MC12A	1000	4 sets	2 # 350	1 # 350	-	3	0.66%	33,624	
F T12A 01	HP12	100	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	15,239	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION		NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE	
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)		COPPER OR ALUMINUM	PHASE CONDUCTOR	NEUTRAL CONDUCTOR				EQUIPMENT GROUND
S T12B 00	MC12B	1000	4 sets	2 # 350	1 # 350	-	3	0.63%	33,624	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

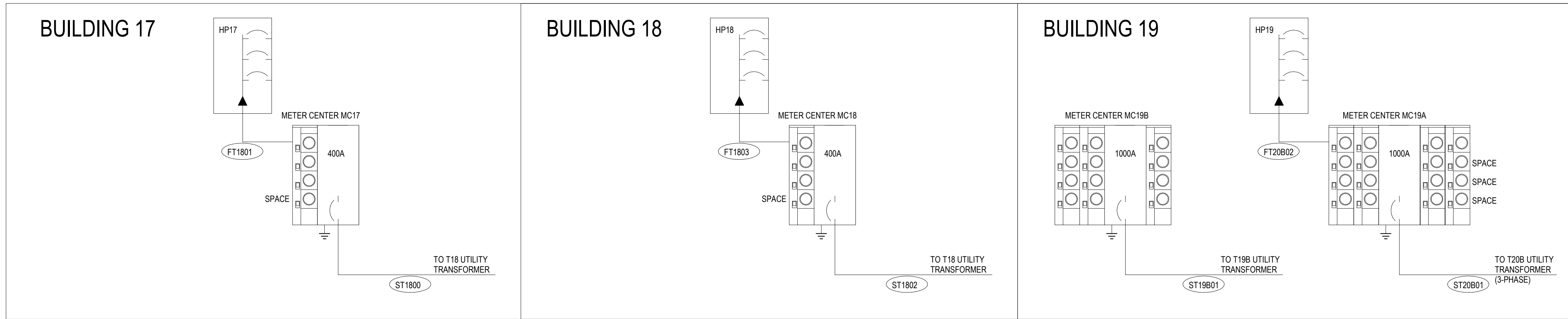
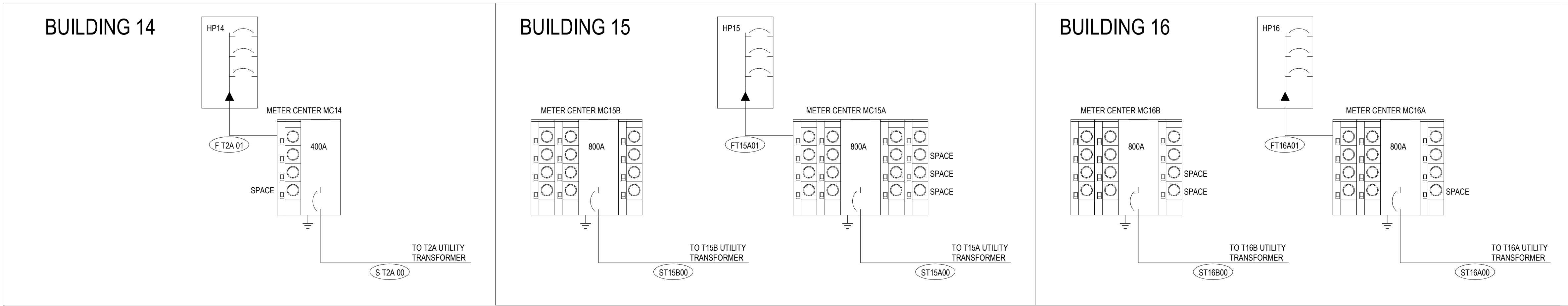
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September 30, 2022

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SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION		CONDUCTOR SIZE								
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND	CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
S T15A 00	MC15A	810	AL	3 sets	2 # 400	1 # 400	-	4	0.66%	32,206
F T15A 01	HP15	100	AL	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	14,941
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION		CONDUCTOR SIZE								
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND	CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
S T15B 00	MC15B	810	AL	3 sets	2 # 400	1 # 400	-	4	0.63%	32,206
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION		CONDUCTOR SIZE								
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND	CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
S T16A 00	MC16A	810	AL	3 sets	2 # 400	1 # 400	-	4	0.66%	32,206
F T16A 01	HP16	100	AL	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	14,941
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION		CONDUCTOR SIZE								
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND	CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
S T16B 00	MC16B	810	AL	3 sets	2 # 400	1 # 400	-	4	0.63%	32,206
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION		CONDUCTOR SIZE								
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND	CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
S T18 00	MC17	410	AL	2 sets	2 # 250	1 # 250	-	3	0.71%	25,162
F T18 01	HP17	100	AL	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	13,223
S T18 02	MC18	410	AL	2 sets	2 # 250	1 # 250	-	3	0.71%	25,162
F T18 03	HP18	100	AL	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.21%	13,223
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION		CONDUCTOR SIZE								
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND	CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
S T19B 00	MC19B	1000	AL	4 sets	2 # 350	1 # 350	-	3	0.64%	33,624
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

No.	Description	Date
	Revisions	

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Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

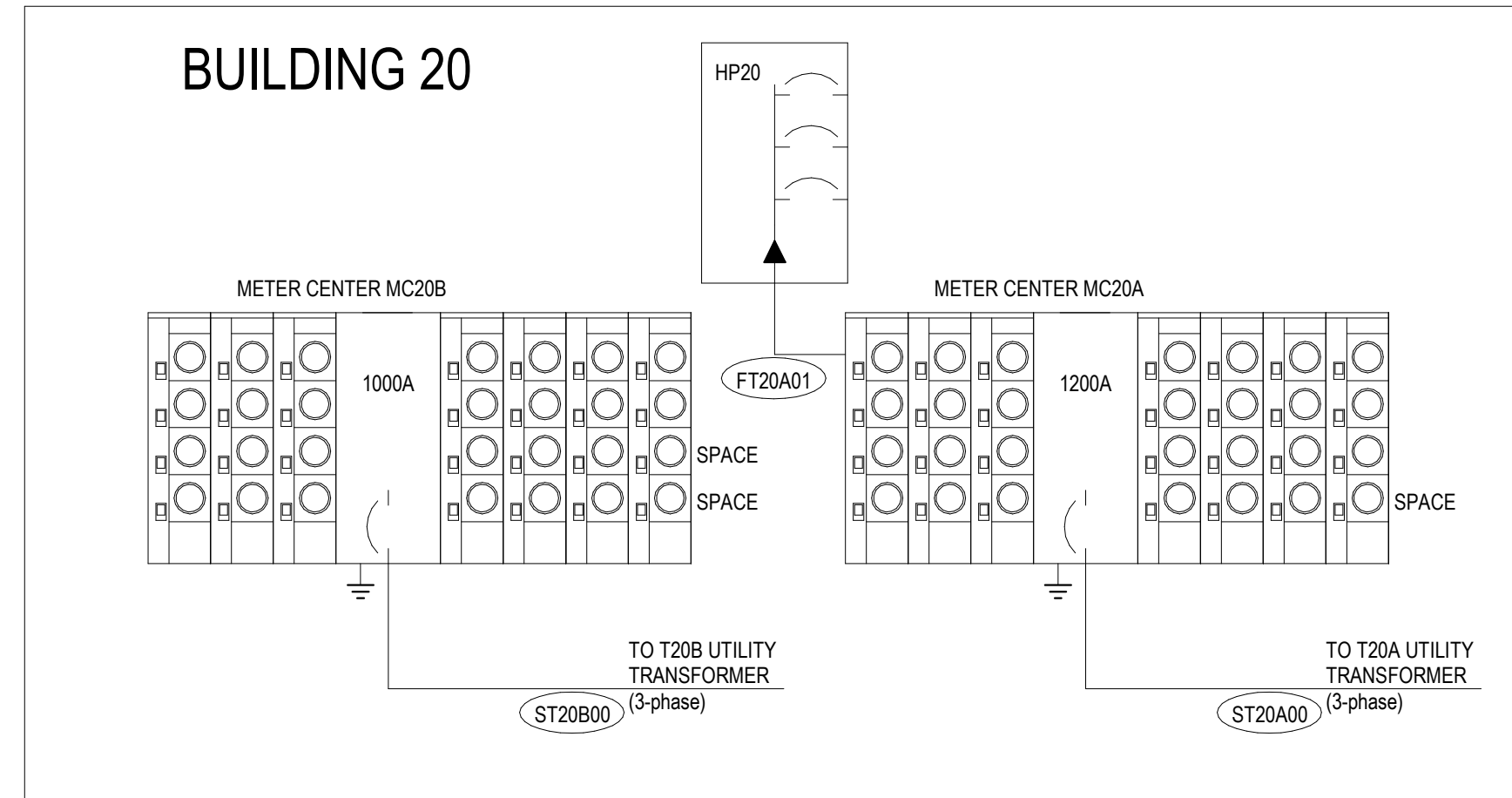
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SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION				NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM		PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND			
S T20A 00	MC20A	1200	AL	4 sets	3 # 500	1 # 500	-	4	0.56%	47,607
F T20A 01	HP20	100	AL	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.25%	16,024
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

SCHEDULE OF FEEDERS & SERVICES										
FEEDER / SERVICE DESCRIPTION				NUMBER OF RUNS	CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
DESIGNATION	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM		PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND			
S T20B 00	MC20B	1000	AL	4 sets	3 # 350	1 # 350	-	3	0.72%	44,782
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

KEY: "CU" - COPPER "AL" - ALUMINUM
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

No.	Description	Date
	Revisions	

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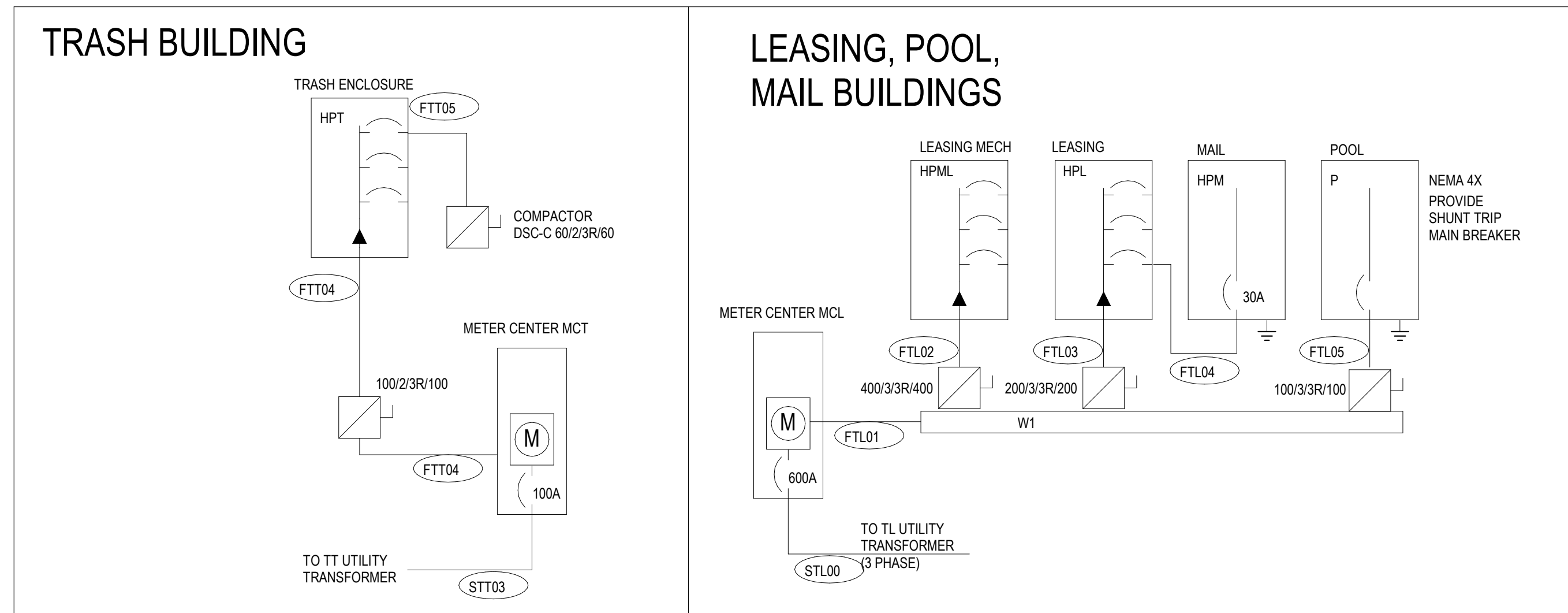
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E5.03



SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION				CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND			
S TT 00	MC13	410	AL	2 sets	2 # 250	1 # 250	-	3	0.71%	25,162
F TT 01	HP13	100	AL	1 set	2 # 1	1 # 1	-	1 1/2	0.21%	13,223
S TT 02	MCT	100	AL	1 set	2 # 1	1 # 1	-	1 1/2	0.84%	8,880
F TT 03	HPT	100	AL	1 set	2 # 1	1 # 1	1 # 6	1 1/2	0.34%	6,734
F TT 04	DSC-C	60	CU	1 set	2 # 6	1 # 6	1 # 10	1	0.32%	4,604
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
KEY: *CU* - COPPER *AL* - ALUMINUM										
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)										

SCHEDULE OF FEEDERS & SERVICES										
DESIGNATION	FEEDER / SERVICE DESCRIPTION				CONDUCTOR SIZE			CONDUIT DIAMETER (IN)	VOLTAGE DROP %	CALC. FAULT VALUE
	EQUIPMENT SERVED	CONDUCTOR AMPACITY (AMPS)	COPPER OR ALUMINUM	NUMBER OF RUNS	PHASE CONDUCTOR	NEUTRAL CONDUCTOR	EQUIPMENT GROUND			
S TL 00	MCL	620	AL	2 sets	3 # 500	1 # 500	-	4	0.53%	30,432
F TL 01	W1	620	AL	2 sets	3 # 500	1 # 500	1 # 2/0	4	0.23%	26,810
F TL 02	HPML	410	AL	2 sets	3 # 250	1 # 250	1 # 1	3	0.23%	22,640
F TL 03	HPL	205	AL	1 set	3 # 250	1 # 250	1 # 4	3	0.49%	14,353
F TL 04	HPM	30	CU	1 set	3 # 10	1 # 10	1 # 10	3/4	0.29%	4,177
F TL 05	POOL	100	AL	1 set	3 # 1	1 # 1	1 # 6	1 1/2	0.19%	6,903
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
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KEY: *CU* - COPPER *AL* - ALUMINUM										
NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)										

No.	Description	Date
Revisions		

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
SINGLE LINE
AMENITY BLDGS

Date:
September 30, 2022

Sheet Number:

E5.04

METER CENTER "MC2A" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC2B" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC3" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC4" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC5A" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC5B" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC6" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC7A" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC7B" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC8A" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC8B" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC9" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC10" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC11A" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC11B" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

METER CENTER "MC12A" table with columns for equipment (Square Footage, Kitchen Laundry, Ranges, Dryers, Refrigerator, Disposals, Dishwashers, Microwave/Hood, Water Heaters, Total HVAC) and electrical load (KVA, Amps). Includes demand factor and house panel calculations.

Table with columns: No., Description, Date. Revisions section.

No. Description Date

Revisions

Construction Documents - Progress Set

Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:

METER CENTER CALCULATIONS

Date:
September 30, 2022

Sheet Number:

E6.00

METER CENTER "MC12B"
TOTAL UNITS SERVED = 12
SQUARE FOOTAGE 14291 SF X 3 VA/SF 42.9 KVA
KITCHEN/LAUNDRY 4500 VA X 12 54.0 KVA
RANGES 8000 VA X 12 96.0 KVA
DRYERS 5000 VA X 12 60.0 KVA
REFRIGERATOR 1500 VA X 12 18.0 KVA
DISPOSALS 800 VA X 12 9.6 KVA
DISHWASHERS 1200 VA X 12 14.4 KVA
MICROWAVE/HOOD 1500 VA X 12 18.0 KVA
WATER HEATERS 4500 VA X 12 54.0 KVA
TOTAL HVAC 137433 VA 137.4 KVA
SUBTOTAL 504.3 KVA
DEMAND FACTOR 504.3 KVA X 41 % 206.8 KVA
HOUSE PANEL 0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84
TOTAL 206.8 KVA
VOLTAGE: 240/120 PHASE: 1 861.5 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC13"
TOTAL UNITS SERVED = 2
SQUARE FOOTAGE 1940 SF X 3 VA/SF 5.8 KVA
KITCHEN/LAUNDRY 4500 VA X 2 9.0 KVA
RANGES 8000 VA X 2 16.0 KVA
DRYERS 5000 VA X 2 10.0 KVA
REFRIGERATOR 1500 VA X 2 3.0 KVA
DISPOSALS 800 VA X 2 1.6 KVA
DISHWASHERS 1200 VA X 2 2.4 KVA
MICROWAVE/HOOD 1500 VA X 2 3.0 KVA
WATER HEATERS 4500 VA X 2 9.0 KVA
TOTAL HVAC 17202 VA 17.2 KVA
SUBTOTAL 77.0 KVA
DEMAND FACTOR 77.0 KVA X 100 % 77.0 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 87.0 KVA
VOLTAGE: 240/120 PHASE: 1 362.6 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC14"
TOTAL UNITS SERVED = 2
SQUARE FOOTAGE 1940 SF X 3 VA/SF 5.8 KVA
KITCHEN/LAUNDRY 4500 VA X 2 9.0 KVA
RANGES 8000 VA X 2 16.0 KVA
DRYERS 5000 VA X 2 10.0 KVA
REFRIGERATOR 1500 VA X 2 3.0 KVA
DISPOSALS 800 VA X 2 1.6 KVA
DISHWASHERS 1200 VA X 2 2.4 KVA
MICROWAVE/HOOD 1500 VA X 2 3.0 KVA
WATER HEATERS 4500 VA X 2 9.0 KVA
TOTAL HVAC 17202 VA 17.2 KVA
SUBTOTAL 77.0 KVA
DEMAND FACTOR 77.0 KVA X 100 % 77.0 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 87.0 KVA
VOLTAGE: 240/120 PHASE: 1 362.6 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC15A"
TOTAL UNITS SERVED = 10
SQUARE FOOTAGE 10108 SF X 3 VA/SF 30.3 KVA
KITCHEN/LAUNDRY 4500 VA X 10 45.0 KVA
RANGES 8000 VA X 10 80.0 KVA
DRYERS 5000 VA X 10 50.0 KVA
REFRIGERATOR 1500 VA X 10 15.0 KVA
DISPOSALS 800 VA X 10 8.0 KVA
DISHWASHERS 1200 VA X 10 12.0 KVA
MICROWAVE/HOOD 1500 VA X 10 15.0 KVA
WATER HEATERS 4500 VA X 10 45.0 KVA
TOTAL HVAC 95343 VA 95.3 KVA
SUBTOTAL 395.7 KVA
DEMAND FACTOR 395.7 KVA X 43 % 170.1 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 180.1 KVA
VOLTAGE: 240/120 PHASE: 1 750.6 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC15B"
TOTAL UNITS SERVED = 10
SQUARE FOOTAGE 10108 SF X 3 VA/SF 30.3 KVA
KITCHEN/LAUNDRY 4500 VA X 10 45.0 KVA
RANGES 8000 VA X 10 80.0 KVA
DRYERS 5000 VA X 10 50.0 KVA
REFRIGERATOR 1500 VA X 10 15.0 KVA
DISPOSALS 800 VA X 10 8.0 KVA
DISHWASHERS 1200 VA X 10 12.0 KVA
MICROWAVE/HOOD 1500 VA X 10 15.0 KVA
WATER HEATERS 4500 VA X 10 45.0 KVA
TOTAL HVAC 95343 VA 95.3 KVA
SUBTOTAL 395.7 KVA
DEMAND FACTOR 395.7 KVA X 43 % 170.1 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 170.1 KVA
VOLTAGE: 240/120 PHASE: 1 708.9 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC16A"
TOTAL UNITS SERVED = 10
SQUARE FOOTAGE 10108 SF X 3 VA/SF 30.3 KVA
KITCHEN/LAUNDRY 4500 VA X 10 45.0 KVA
RANGES 8000 VA X 10 80.0 KVA
DRYERS 5000 VA X 10 50.0 KVA
REFRIGERATOR 1500 VA X 10 15.0 KVA
DISPOSALS 800 VA X 10 8.0 KVA
DISHWASHERS 1200 VA X 10 12.0 KVA
MICROWAVE/HOOD 1500 VA X 10 15.0 KVA
WATER HEATERS 4500 VA X 10 45.0 KVA
TOTAL HVAC 95343 VA 95.3 KVA
SUBTOTAL 395.7 KVA
DEMAND FACTOR 395.7 KVA X 43 % 170.1 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 180.1 KVA
VOLTAGE: 240/120 PHASE: 1 750.6 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC16B"
TOTAL UNITS SERVED = 10
SQUARE FOOTAGE 10108 SF X 3 VA/SF 30.3 KVA
KITCHEN/LAUNDRY 4500 VA X 10 45.0 KVA
RANGES 8000 VA X 10 80.0 KVA
DRYERS 5000 VA X 10 50.0 KVA
REFRIGERATOR 1500 VA X 10 15.0 KVA
DISPOSALS 800 VA X 10 8.0 KVA
DISHWASHERS 1200 VA X 10 12.0 KVA
MICROWAVE/HOOD 1500 VA X 10 15.0 KVA
WATER HEATERS 4500 VA X 10 45.0 KVA
TOTAL HVAC 95343 VA 95.3 KVA
SUBTOTAL 395.7 KVA
DEMAND FACTOR 395.7 KVA X 43 % 170.1 KVA
HOUSE PANEL 0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84
TOTAL 170.1 KVA
VOLTAGE: 240/120 PHASE: 1 708.9 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC17"
TOTAL UNITS SERVED = 2
SQUARE FOOTAGE 1940 SF X 3 VA/SF 5.8 KVA
KITCHEN/LAUNDRY 4500 VA X 2 9.0 KVA
RANGES 8000 VA X 2 16.0 KVA
DRYERS 5000 VA X 2 10.0 KVA
REFRIGERATOR 1500 VA X 2 3.0 KVA
DISPOSALS 800 VA X 2 1.6 KVA
DISHWASHERS 1200 VA X 2 2.4 KVA
MICROWAVE/HOOD 1500 VA X 2 3.0 KVA
WATER HEATERS 4500 VA X 2 9.0 KVA
TOTAL HVAC 17202 VA 17.2 KVA
SUBTOTAL 77.0 KVA
DEMAND FACTOR 77.0 KVA X 100 % 77.0 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 87.0 KVA
VOLTAGE: 240/120 PHASE: 1 362.6 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC18"
TOTAL UNITS SERVED = 2
SQUARE FOOTAGE 1940 SF X 3 VA/SF 5.8 KVA
KITCHEN/LAUNDRY 4500 VA X 2 9.0 KVA
RANGES 8000 VA X 2 16.0 KVA
DRYERS 5000 VA X 2 10.0 KVA
REFRIGERATOR 1500 VA X 2 3.0 KVA
DISPOSALS 800 VA X 2 1.6 KVA
DISHWASHERS 1200 VA X 2 2.4 KVA
MICROWAVE/HOOD 1500 VA X 2 3.0 KVA
WATER HEATERS 4500 VA X 2 9.0 KVA
TOTAL HVAC 17202 VA 17.2 KVA
SUBTOTAL 77.0 KVA
DEMAND FACTOR 77.0 KVA X 100 % 77.0 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 87.0 KVA
VOLTAGE: 240/120 PHASE: 1 362.6 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC19A"
TOTAL UNITS SERVED = 12
SQUARE FOOTAGE 15427 SF X 3 VA/SF 46.3 KVA
KITCHEN/LAUNDRY 4500 VA X 12 54.0 KVA
RANGES 8000 VA X 12 96.0 KVA
DRYERS 5000 VA X 12 60.0 KVA
REFRIGERATOR 1500 VA X 12 18.0 KVA
DISPOSALS 800 VA X 12 9.6 KVA
DISHWASHERS 1200 VA X 12 14.4 KVA
MICROWAVE/HOOD 1500 VA X 12 18.0 KVA
WATER HEATERS 4500 VA X 12 54.0 KVA
TOTAL HVAC 140544 VA 140.5 KVA
SUBTOTAL 510.8 KVA
DEMAND FACTOR 510.8 KVA X 41 % 209.4 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 219.4 KVA
VOLTAGE: 240/120 PHASE: 1 914.3 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC19B"
TOTAL UNITS SERVED = 12
SQUARE FOOTAGE 15427 SF X 3 VA/SF 46.3 KVA
KITCHEN/LAUNDRY 4500 VA X 12 54.0 KVA
RANGES 8000 VA X 12 96.0 KVA
DRYERS 5000 VA X 12 60.0 KVA
REFRIGERATOR 1500 VA X 12 18.0 KVA
DISPOSALS 800 VA X 12 9.6 KVA
DISHWASHERS 1200 VA X 12 14.4 KVA
MICROWAVE/HOOD 1500 VA X 12 18.0 KVA
WATER HEATERS 4500 VA X 12 54.0 KVA
TOTAL HVAC 140544 VA 140.5 KVA
SUBTOTAL 510.8 KVA
DEMAND FACTOR 510.8 KVA X 41 % 209.4 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 209.4 KVA
VOLTAGE: 240/120 PHASE: 1 872.7 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC20A"
TOTAL UNITS SERVED = 26
SQUARE FOOTAGE 25008 SF X 3 VA/SF 75.0 KVA
KITCHEN/LAUNDRY 4500 VA X 26 117.0 KVA
RANGES 8000 VA X 26 208.0 KVA
DRYERS 5000 VA X 26 130.0 KVA
REFRIGERATOR 1500 VA X 26 39.0 KVA
DISPOSALS 800 VA X 26 20.8 KVA
DISHWASHERS 1200 VA X 26 31.2 KVA
MICROWAVE/HOOD 1500 VA X 26 39.0 KVA
WATER HEATERS 4500 VA X 26 117.0 KVA
TOTAL HVAC 260958 VA 261.0 KVA
SUBTOTAL 1038.0 KVA
DEMAND FACTOR 1038.0 KVA X 34 % 352.9 KVA
HOUSE PANEL 10.0 KVA X 100 % 10.0 KVA
N.E.C. TABLE 220-84
TOTAL 362.9 KVA
VOLTAGE: 208/120 PHASE: 3 1007.3 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

METER CENTER "MC20B"
TOTAL UNITS SERVED = 26
SQUARE FOOTAGE 25008 SF X 3 VA/SF 75.0 KVA
KITCHEN/LAUNDRY 4500 VA X 26 117.0 KVA
RANGES 8000 VA X 26 208.0 KVA
DRYERS 5000 VA X 26 130.0 KVA
REFRIGERATOR 1500 VA X 26 39.0 KVA
DISPOSALS 800 VA X 26 20.8 KVA
DISHWASHERS 1200 VA X 26 31.2 KVA
MICROWAVE/HOOD 1500 VA X 26 39.0 KVA
WATER HEATERS 4500 VA X 26 117.0 KVA
TOTAL HVAC 260958 VA 261.0 KVA
SUBTOTAL 1038.0 KVA
DEMAND FACTOR 1038.0 KVA X 34 % 352.9 KVA
HOUSE PANEL 0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84
TOTAL 352.9 KVA
VOLTAGE: 208/120 PHASE: 3 979.5 AMPS
FOR ANY BREAKER 1200A OR HIGHER, AN ARC-ENERGY REDUCING SWITCH SHALL BE PROVIDED.

Table with 3 columns: No., Description, Date. Includes a Revisions section.

No. Description Date
Revisions

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

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Sheet Title:
METER CENTER CALCULATIONS

Date:
September 30, 2022

Sheet Number:

E6.01



Jordan & Skala Engineers

4275 Shackleford Road, Suite 200 • Norcross, GA 30093
p. 770.447.5547 • f. 770.448.0262

LOAD CENTER FEEDER/ BREAKER SCHEDULE (208/120V SINGLE PHASE)		
DWELLING UNIT LOAD AND FEEDER DISTANCE	FEEDER (AL) SER	BREAKER
100 AMPS OR LESS LOAD, UP TO 115'	3#1, 1#4G	100/2
100 AMPS OR LESS LOAD, OVER 115', AND UP TO 150'	3#1, 1#3G	100/2
100 AMPS OR LESS LOAD, OVER 150' AND UP TO 185'	3#1/0, 1#2G	100/2
100 AMPS OR LESS LOAD, OVER 185' AND UP TO 230'	3#2/0, 1#1G	100/2
LOAD BETWEEN 100.1 AMPS AND 110 AMPS UP TO 135'	3#1, 1#3G	110/2
LOAD BETWEEN 100.1 AMPS AND 110 AMPS OVER 135' UP TO 170'	3#1/0, 1#2G	110/2
LOAD BETWEEN 100.1 AMPS AND 110 AMPS OVER 170' AND UP TO 210'	3#2/0, 1#1G	110/2
LOAD BETWEEN 110.1 AMPS AND 125 AMPS UP TO 150'	3#1/0, 1#2G	125/2
LOAD BETWEEN 110.1 AMPS AND 125 AMPS, OVER 150', UP TO 185'	3#2/0, 1#1G	125/2
LOAD BETWEEN 110.1 AMPS AND 125 AMPS OVER 185' AND UP TO 230'	3#3/0, 1#1/0G	125/2
LOAD BETWEEN 125.1 AMPS AND 150 AMPS UP TO 150'	3#2/0, 1#1G	150/2
LOAD BETWEEN 125.1 AMPS AND 150 AMPS, OVER 150' UP TO 190'	3#3/0, 1#1/0G	150/2
LOAD BETWEEN 125.1 AMPS AND 150 AMPS, OVER 190' AND UP TO 245'	3#4/0, 1#2/0G	*150/2

* WHERE CONDUCTOR SIZE EXCEEDS LUG RATING, CONTRACTOR SHALL INCREASE BREAKER/LOAD CENTER RATING, OR INSTALL COPPER PIGTAIL ADAPTOR (ILSCO CPM OR APPROVED EQUAL) ON SCHEDULED FEEDERS, WHERE ALLOWED BY AHJ. WIRE GUTTER SPACE WITHIN EQUIPMENT SHALL BE VERIFIED TO ACCOMMODATE THIS TERMINATION. CONTRACTOR SHALL GIVE NOTIFICATION PRIOR TO PURCHASE OR INSTALLATION OF REQUIRED EQUIPMENT.

LOAD CENTER FEEDER/ BREAKER SCHEDULE (240/120V SINGLE PHASE)		
DWELLING UNIT LOAD AND FEEDER DISTANCE	FEEDER (AL) SER	BREAKER
100 AMPS OR LESS LOAD, UP TO 135'	3#2, 1#4G	100/2
100 AMPS OR LESS LOAD, OVER 135', AND UP TO 170'	3#1, 1#3G	100/2
100 AMPS OR LESS LOAD, OVER 170' AND UP TO 215'	3#1/0, 1#2G	100/2
LOAD BETWEEN 100.1 AMPS AND 110 AMPS UP TO 155'	3#1, 1#3G	110/2
LOAD BETWEEN 100.1 AMPS AND 110 AMPS OVER 155' UP TO 195'	3#1/0, 1#2G	110/2
LOAD BETWEEN 100.1 AMPS AND 110 AMPS OVER 195' AND UP TO 245'	3#2/0, 1#1G	110/2
LOAD BETWEEN 110.1 AMPS AND 125 AMPS UP TO 165'	3#1/0, 1#2G	125/2
LOAD BETWEEN 110.1 AMPS AND 125 AMPS, OVER 165', UP TO 215'	3#2/0, 1#1G	125/2
LOAD BETWEEN 110.1 AMPS AND 125 AMPS OVER 215' AND UP TO 245'	3#3/0, 1#1/0G	125/2
LOAD BETWEEN 125.1 AMPS AND 150 AMPS UP TO 175'	3#2/0, 1#1G	150/2
LOAD BETWEEN 125.1 AMPS AND 150 AMPS, OVER 175' UP TO 215'	3#3/0, 1#1/0G	150/2
LOAD BETWEEN 125.1 AMPS AND 150 AMPS, OVER 215' AND UP TO 265'	3#4/0, 1#2/0G	*150/2

* WHERE CONDUCTOR SIZE EXCEEDS LUG RATING, CONTRACTOR SHALL INCREASE BREAKER/LOAD CENTER RATING, OR INSTALL COPPER PIGTAIL ADAPTOR (ILSCO CPM OR APPROVED EQUAL) ON SCHEDULED FEEDERS, WHERE ALLOWED BY AHJ. WIRE GUTTER SPACE WITHIN EQUIPMENT SHALL BE VERIFIED TO ACCOMMODATE THIS TERMINATION. CONTRACTOR SHALL GIVE NOTIFICATION PRIOR TO PURCHASE OR INSTALLATION OF REQUIRED EQUIPMENT.

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments

Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

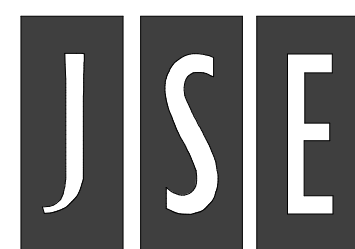
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Sheet Title:
UNIT FEEDER SCHEDULES

Date:
September 30, 2022

Sheet Number:

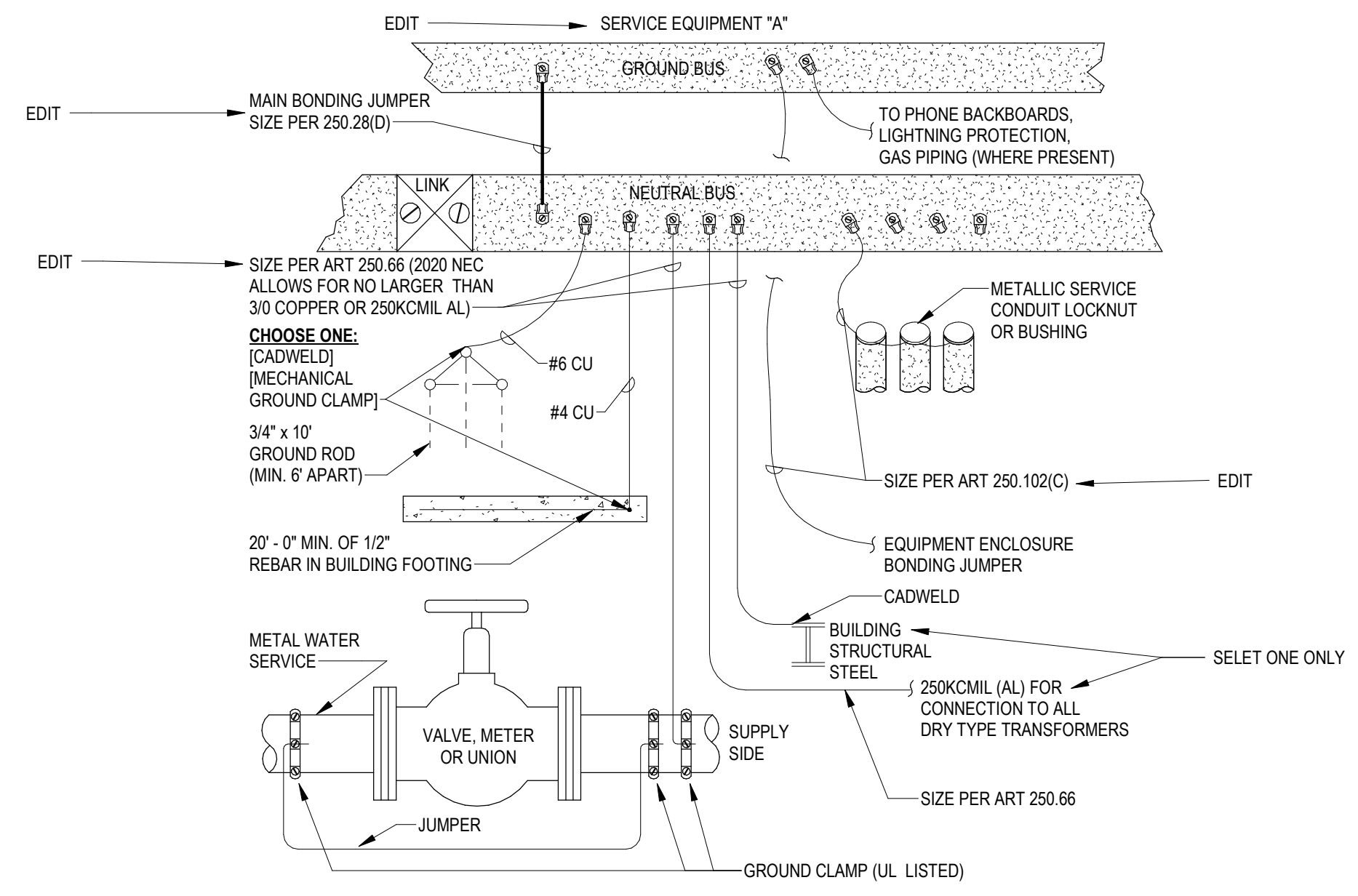
E6.02



Jordan & Skala Engineers

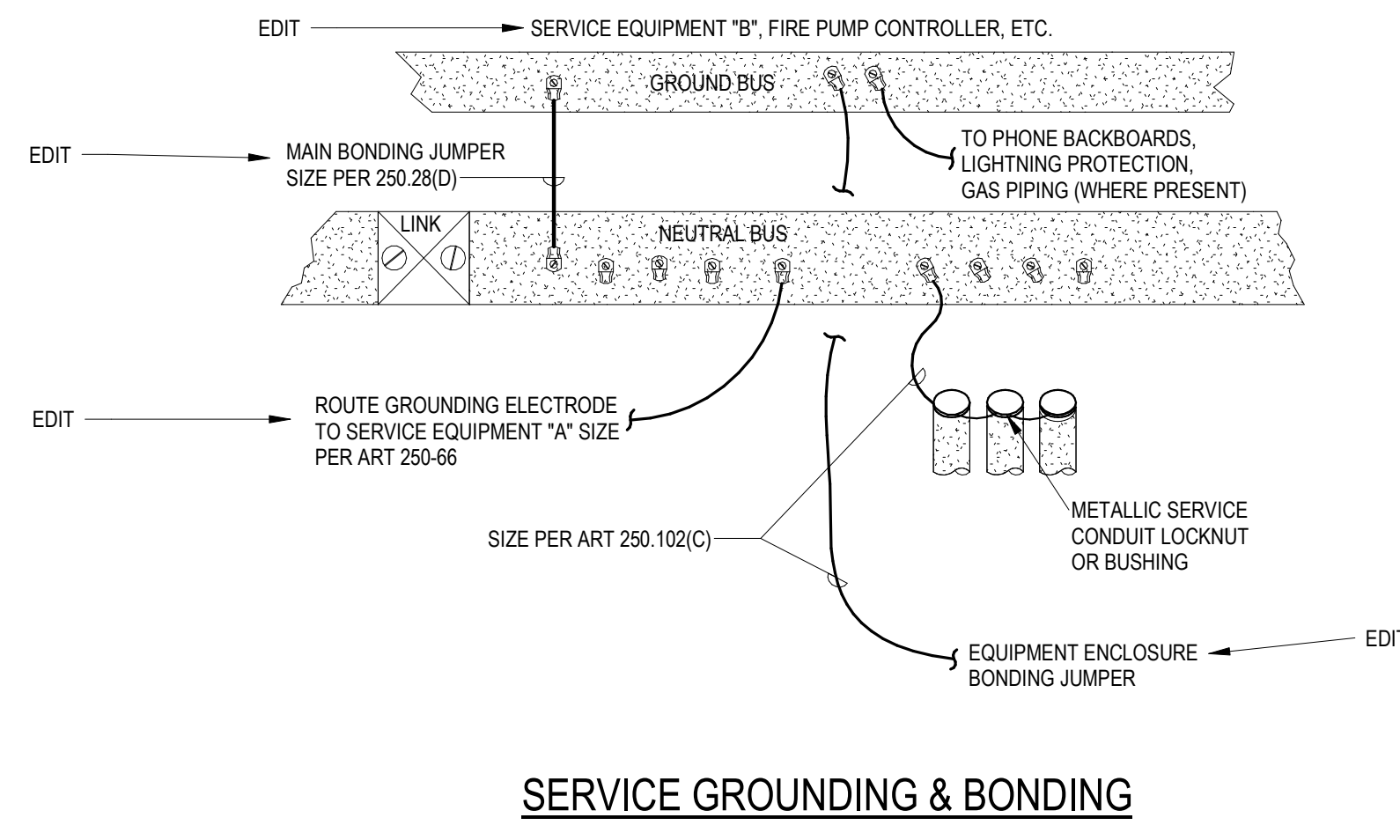
4275 Shackleford Road, Suite 200 • Norcross, GA 30093
p. 770.447.5547 • f. 770.448.0262

Project Number: 22010515 Drawn By: Author Checked By: Checker



SERVICE GROUNDING & BONDING

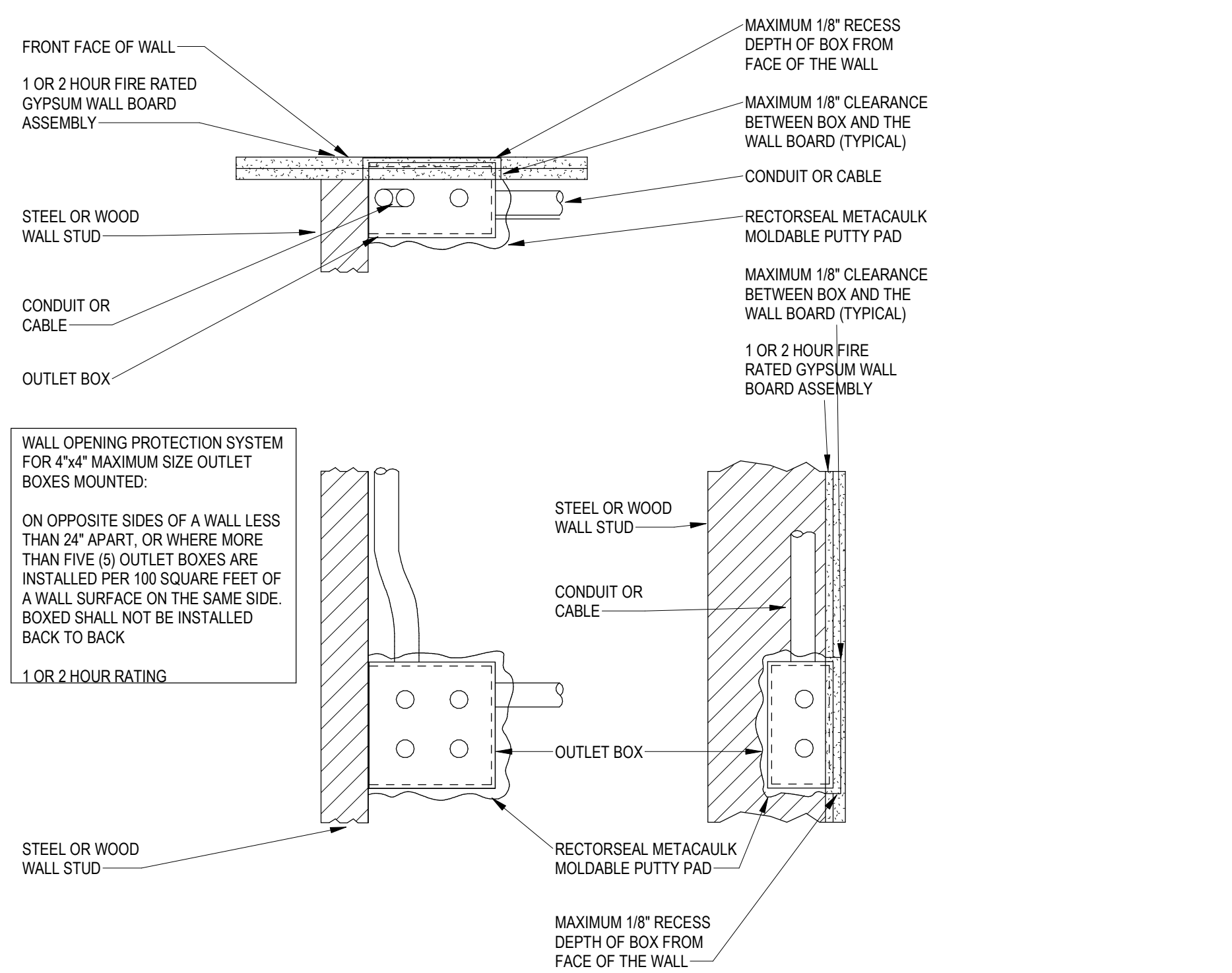
- DESIGNER NOTES:**
- DON'T FORGET THAT BONDING JUMPERS CAN BE LARGER THAN GROUNDING ELECTRODE CONDUCTORS (EXCEPT FOR WATER VALVE JUMPER).
 - FOR MULTIPLE SERVICES (INCLUDING FIRE PUMPS), ADD LUGS ONTO NEUTRAL BUS & SHOW A TAP SIZED PER 250.66 FOR THE OTHER SERVICE(S). USE DETAIL FOR EACH SERVICE EQUIPMENT ON PROJECT.
 - EDIT THE WORDS AT THE TOP WITH THE NAME OF SERVICE EQUIPMENT.
 - EDIT ALL "SIZE PER ..." NOTES WITH APPLICABLE CONDUCTOR SIZE.
 - EDIT OUT NON-EXISTENT ELECTRODES.
 - SELECT EITHER BUILDING STEEL CONNECTION OR GROUNDING ELECTRODE RISER FOR DRY TYPE TRANSFORMER CONNECTIONS.
 - MANY RESIDENTIAL CONTACTORS REQUEST TO USE GROUND CLAMPS IN LIEU OF CADWELDED ON OUR WOOD-FRAME PROJECTS. CONSIDER THIS OPTION FOR ONE LOW RISE WOOD MULTIFAMILY PROJECTS.



SERVICE GROUNDING & BONDING

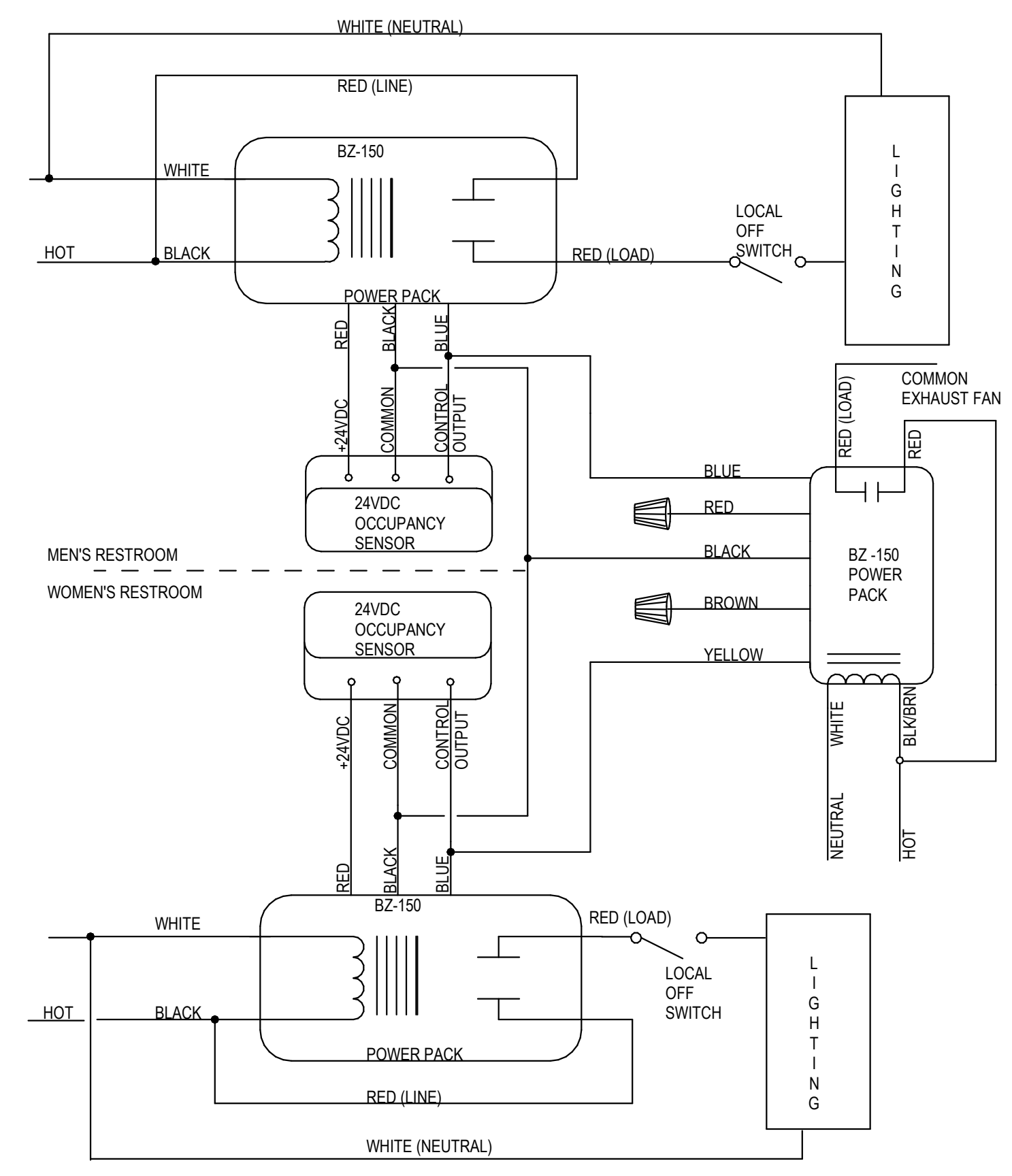
- DESIGNER NOTES:**
- USE THIS DETAIL FOR WHEN YOU HAVE MULTIPLE MAINS, INCLUDING FIRE PUMP CONTROLLERS.
 - IF SERVICE EQUIPMENT "B" IS REMOTE FROM SERVICE EQUIPMENT "A", ADD A GROUND ROD AS A GROUNDING ELECTRODE FOR SERVICE EQUIPMENT B. (SEE GROUND ROD SHOWN IN GENERATOR DETAIL).

1 SERVICE GROUNDING AND BONDING
Scale: NTS



- DESIGNER NOTES:**
- RECTORSEAL IS U.L. LISTED FOR USE WITH NON-METALLIC COVERPLATE. CONFIRM IF ASKED TO APPROVE AN ALTERNATE MANUFACTURER.
 - THIS DETAIL IS GOOD FOR MULTI-FAMILY RESIDENTIAL PROJECTS (BACK TO BACK RECEPTACLES IN A FIRE WALL).

2 WALL OPENING PROTECTION
Scale: NTS



3 TWO RESTROOM LIGHTING/FAN WIRING SCHEMATIC
Scale: 12" = 1'-0"

No.	Description	Date
	Revisions	

Construction Documents - Progress Set
Lullwater at Ft. Clarke Apartments
Ft. Clarke, Florida

A Residential Development by: Ft. Clarke Apartments Residences, LLC

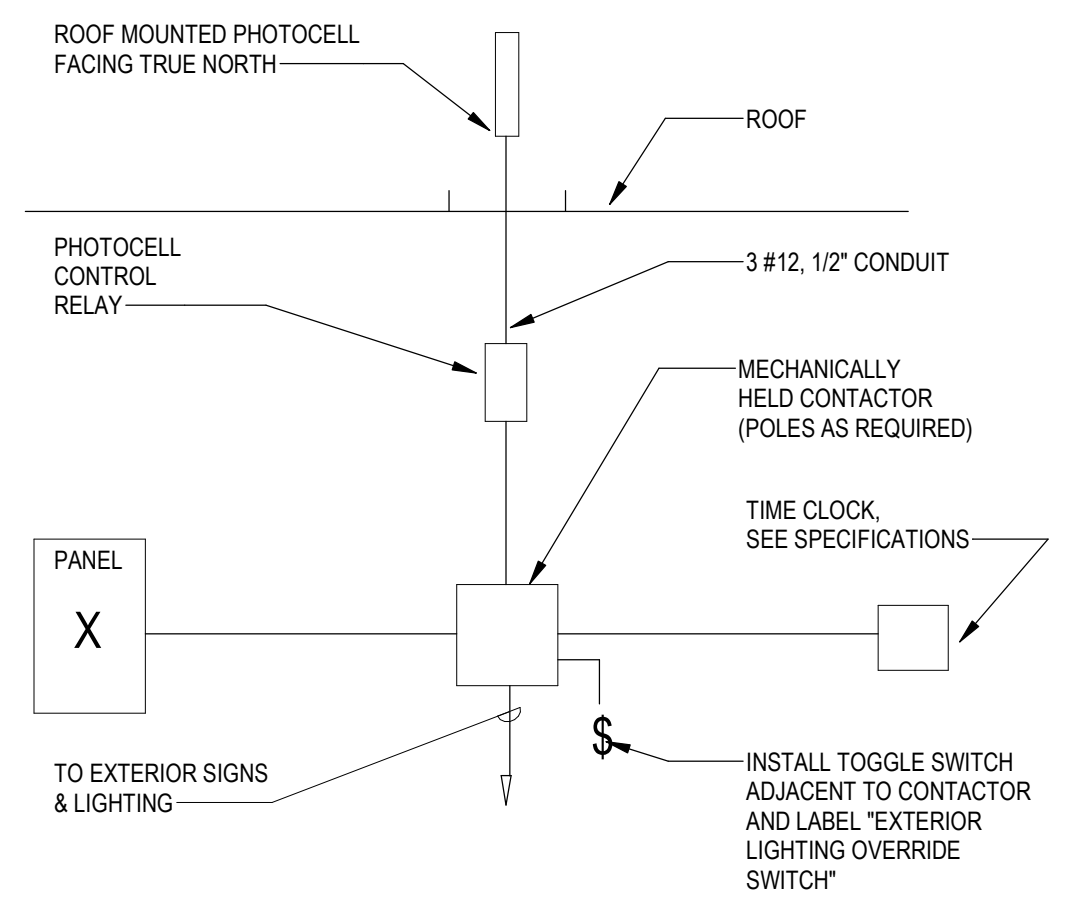
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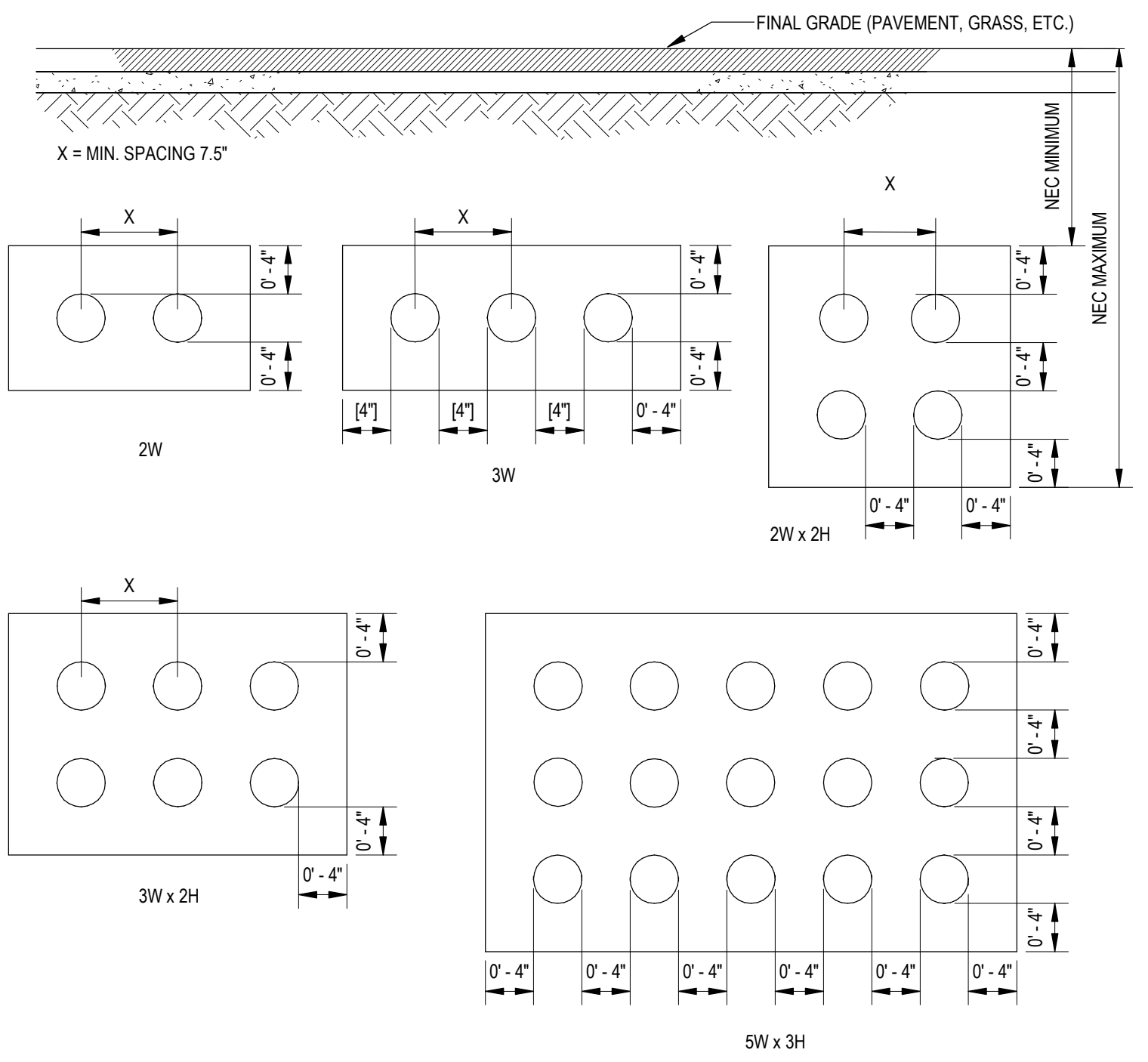


LIGHTING CONTACTOR SCHEDULE									
CONT. NO.	LOAD DESCRIPTION	CONTRACTOR CIRCUIT (S)			CONTROL CIRCUIT		ON PHOTO/TC	OFF PHOTO/TC	
		VOLTS	AMPS	POLE	CIRCUIT NUMBERS	VOLTS			CKT. NO.
1	LEASING OFFICE	120	20	2	H7 - 39,41	120	H7-126	TC	TC
2	FITNESS CENTER	120	20	1	H7 - 58	120	H7-126	TC	TC
3	LEASING OFFICE EXTERIOR	120	20	1	H7 - 37	120	H7-126	PHOTO	TC

NOTES: UNLESS NOTED OTHERWISE, CONTACTOR(S) SHALL BE IN A NEMA 1 ENCLOSURE

DESIGNER NOTES:
1. THIS DETAIL GOES HAND-IN-HAND WITH CONTACTOR SCHEDULE ESCH21, SO I PASTED IT HERE. PLEASE EDIT.
2. EDIT THE PANELBOARD DESIGNATION ON THIS DETAIL TO REFLECT THE APPROPRIATE NAME(S).
3. WHERE ONLY A FEW CIRCUITS ARE CONTROLLED, YOU MAY BE ABLE TO ELIMINATE THE CONTACTOR SHOWN ON THE DIAGRAM, AND FEED CIRCUIT THROUGH THE TIME CLOCK. BE SURE TO SCHEDULE HOW THE CKTS ARE TO BE CONTROLLED, AND TO MODIFY THE TIME CLOCK MODEL NUMBER AS REQUIRED IN THE SPEC.
REVISED:12-26-13

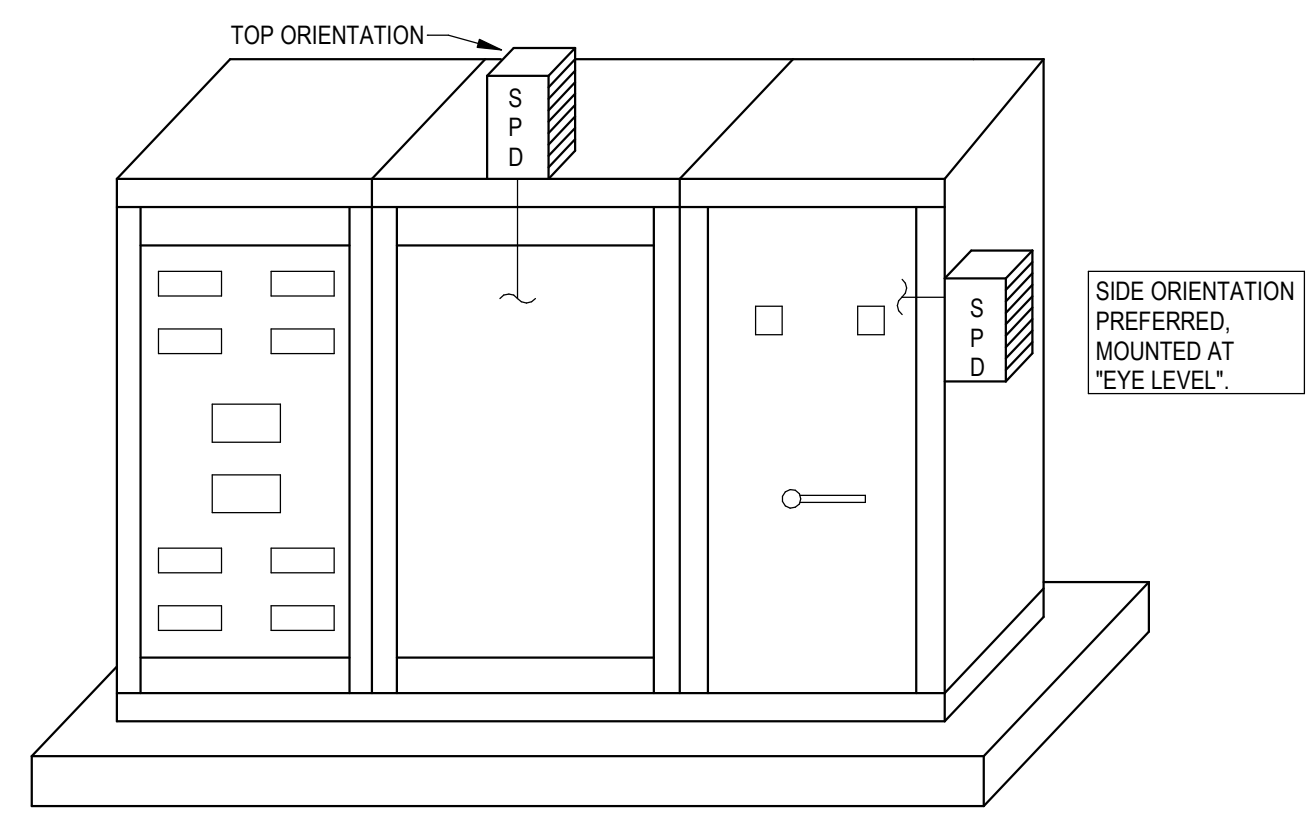
1 EXTERIOR LIGHTING CONTROL DETAIL
Scale: 12" = 1'-0"



DESIGNER NOTES:
1. SEE DESIGNER NOTES ON DETAIL ED07.
2. WHEN USING THIS DETAIL, CREATE THE SECTION VIEW THAT APPLIES TO YOUR DUCT BANK, AND ERASE THOSE THAT DON'T APPLY.

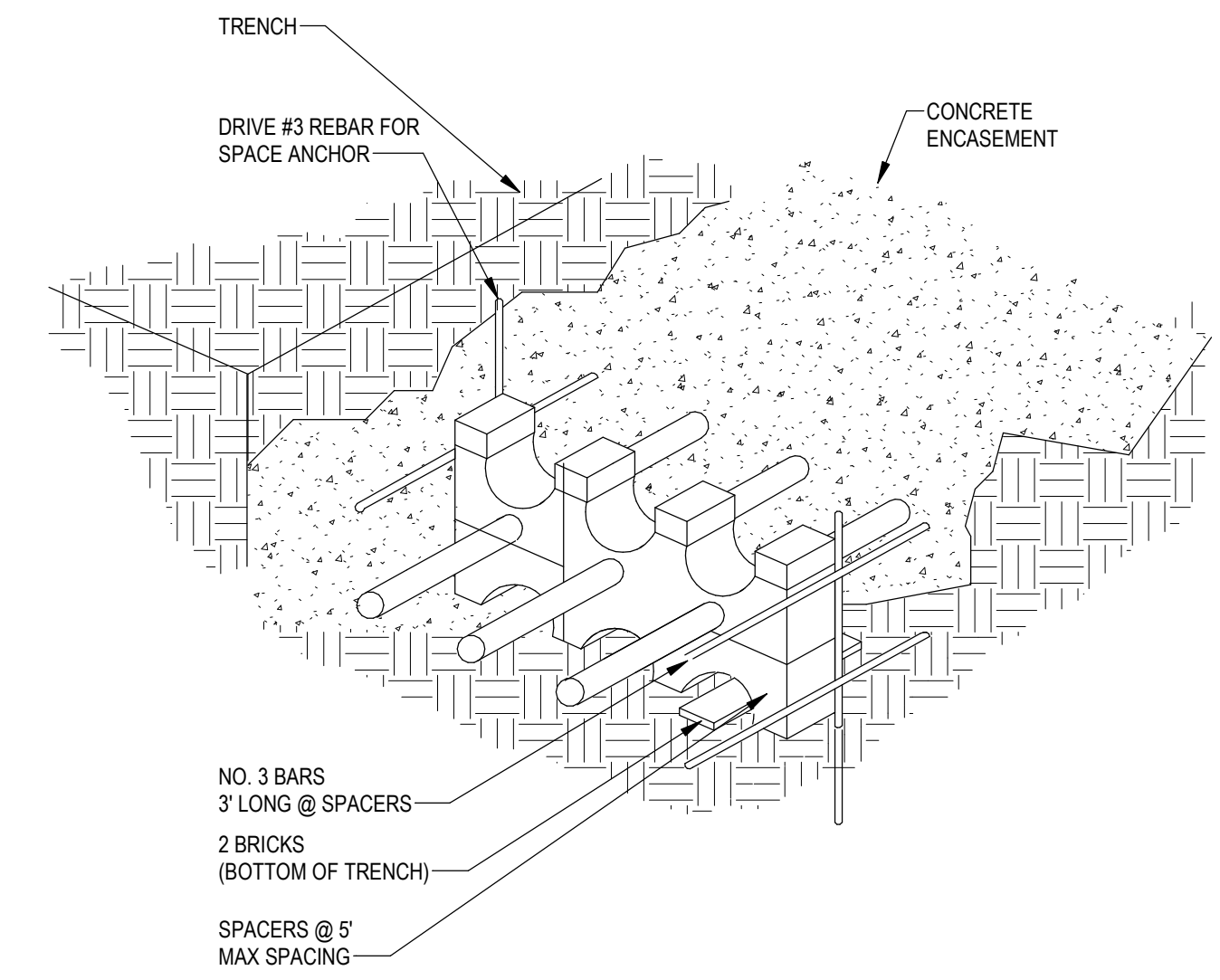
4 TYPICAL DUCT BANK
Scale: 1" = 1'-0"

SPD SHALL BE MOUNTED TO SWITCHBOARD TO REDUCE CONDUCTOR LENGTH TO PHASE, NEUTRAL AND GROUND BUSES. SPD SHALL BE TYPE 1, HAVE INTEGRAL DISCONNECT, AND BE CONNECTED TO BUSES ON LOAD-SIDE OF MAIN DISCONNECT.



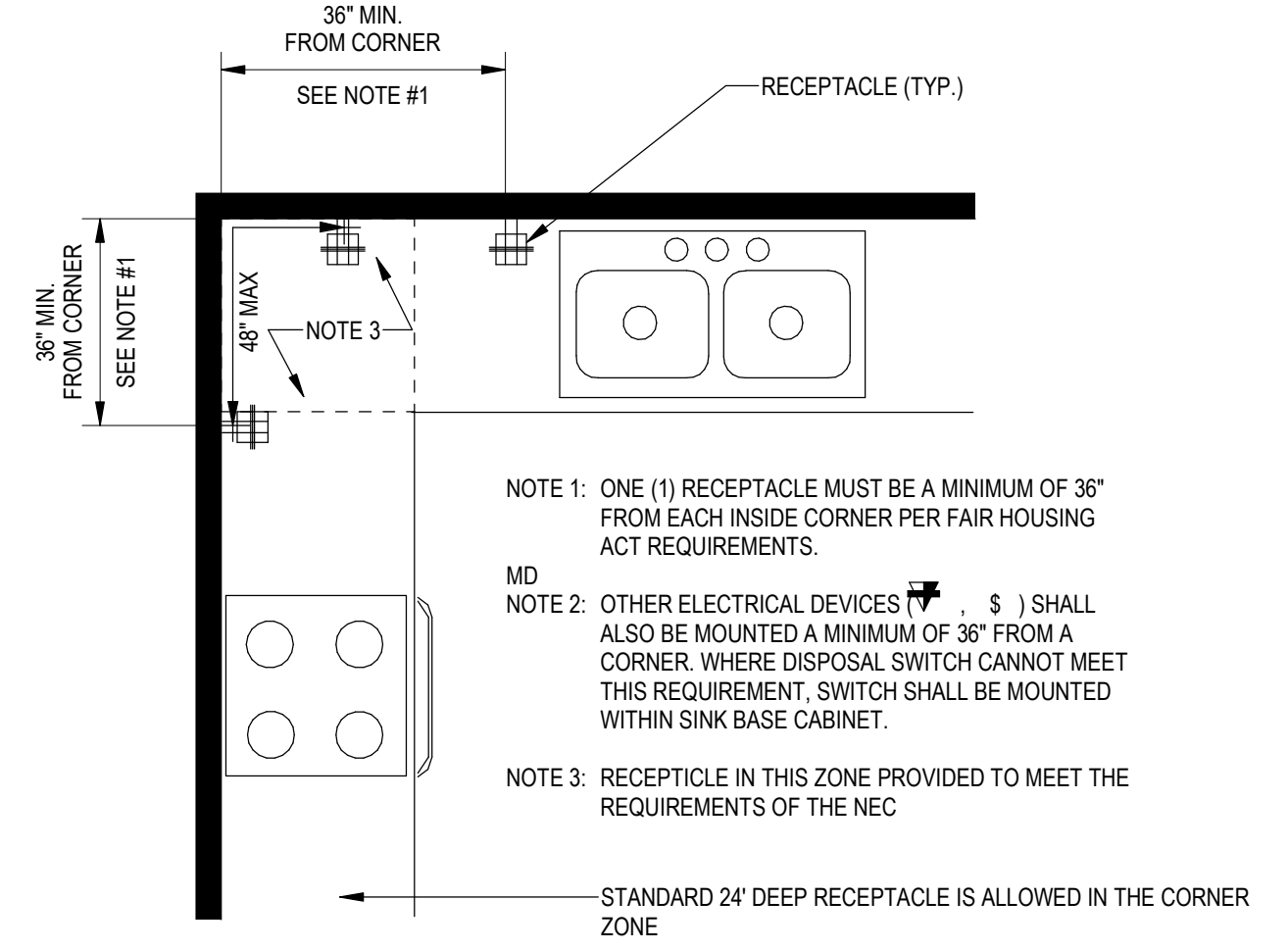
NOTE: NUMBER AND ORIENTATION OF SWITCHBOARD CUBICLES ARE SCHEMATIC ONLY.

2 SPD MOUNTED TO SWITCHBOARD
Scale: 12" = 1'-0"



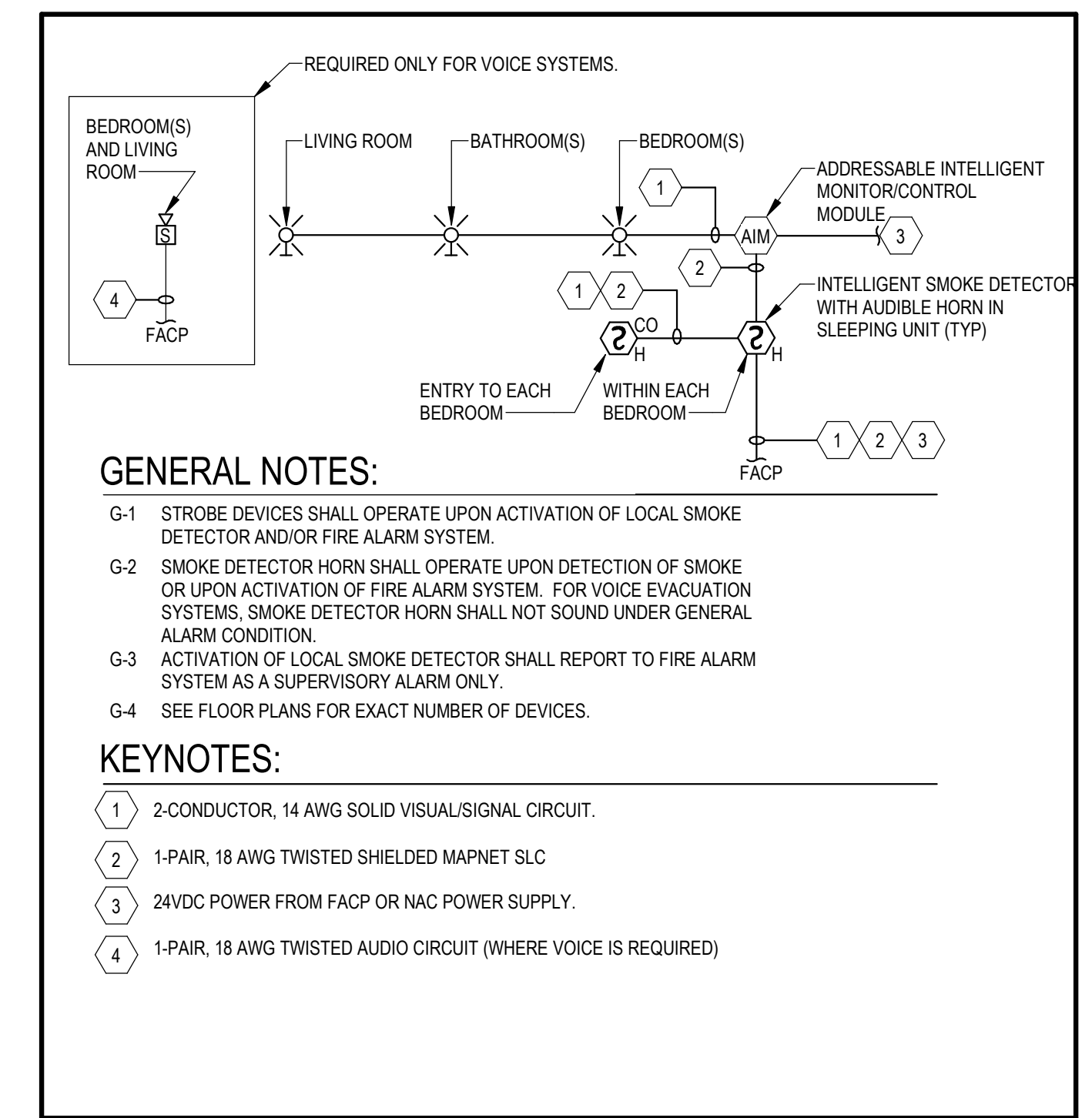
DESIGNER NOTES:
1. CONCRETE ENCASUREMENT OF A SERVICE IS RECOMMENDED WHERE THE OUTDOOR TRANSFORMER(S) IS REMOTE FROM THE BUILDING AND THERE IS THE NEED TO OFFER PHYSICAL PROTECTION FROM FUTURE EXCAVATION AND/OR UNKNOWNING LANDSCAPING CONTRACTORS. FOR MOST OF OUR PROJECTS, TRANSFORMERS ARE CLOSE ENOUGH TO THE BUILDING TO ELIMINATE ANY CONCERN OF DAMAGE TO CONDUITS AND/OR CONDUCTORS.

3 TYP DUCT BANK CONDUIT SUPPORT
Scale: 12" = 1'-0"



DESIGNER NOTES:
1. ONE(1) ELECTRICAL OUTLET IN EACH AREA OVER COUNTERS MUST BE A MINIMUM OF 36" FROM A CORNER (PER FAIR HOUSING ACT) FOR WHEELCHAIR ACCESSIBILITY. FHA GUIDELINES DO NOT DEFINE "AREA".
2. THEREFORE, AN 8' LONG CORNER COUNTER SPACE REQUIRES THREE (3) RECEPTACLES, WHEREAS THE N.E.C. WOULD REQUIRE ONLY TWO (2).

5 ELECTRICAL DEVICES DWELLING UNIT KITCHEN
Scale: 12" = 1'-0"



GENERAL NOTES:
G-1 STROBE DEVICES SHALL OPERATE UPON ACTIVATION OF LOCAL SMOKE DETECTOR AND/OR FIRE ALARM SYSTEM.
G-2 SMOKE DETECTOR HORN SHALL OPERATE UPON DETECTION OF SMOKE OR UPON ACTIVATION OF FIRE ALARM SYSTEM. FOR VOICE EVACUATION SYSTEMS, SMOKE DETECTOR HORN SHALL NOT SOUND UNDER GENERAL ALARM CONDITION.
G-3 ACTIVATION OF LOCAL SMOKE DETECTOR SHALL REPORT TO FIRE ALARM SYSTEM AS A SUPERVISORY ALARM ONLY.
G-4 SEE FLOOR PLANS FOR EXACT NUMBER OF DEVICES.

KEYNOTES:
1 2-CONDUCTOR, 14 AWG SOLID VISUAL/SIGNAL CIRCUIT.
2 1-PAIR, 18 AWG TWISTED SHIELDED MAPNET SLC
3 24VDC POWER FROM FACP OR NAC POWER SUPPLY.
4 1-PAIR, 18 AWG TWISTED AUDIO CIRCUIT (WHERE VOICE IS REQUIRED)

Why use this design?
- Its applicable for ADA or ANSI Type A sleeping units where visual devices are needed.
- This design accomplishes 520Hz alarms for BOTH smoke detection and general alarm.
- 2012 IBC (and other editions) requires that I-1 (assisted living) and R-1 (hotels) have a specific quantity of units where a visible appliance must activate by fire alarm AND smoke alarm. For these types of spaces, please edit this detail as required.
- IBC 2012 and 2015 require smoke alarms in sleeping units within University operated Student Housing to be interconnected with the fire alarm system, and also required system smoke detectors in common interior corridors, laundry rooms, storage rooms and mechanical rooms.

6 SLEEPING UNIT WITH COMMUNICATION FEATURES - SMOKE AND FIRE ALARM
Scale: 12" = 1'-0"

No.	Description	Date
	Revisions	

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Revisions		

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Ft. Clarke, Florida

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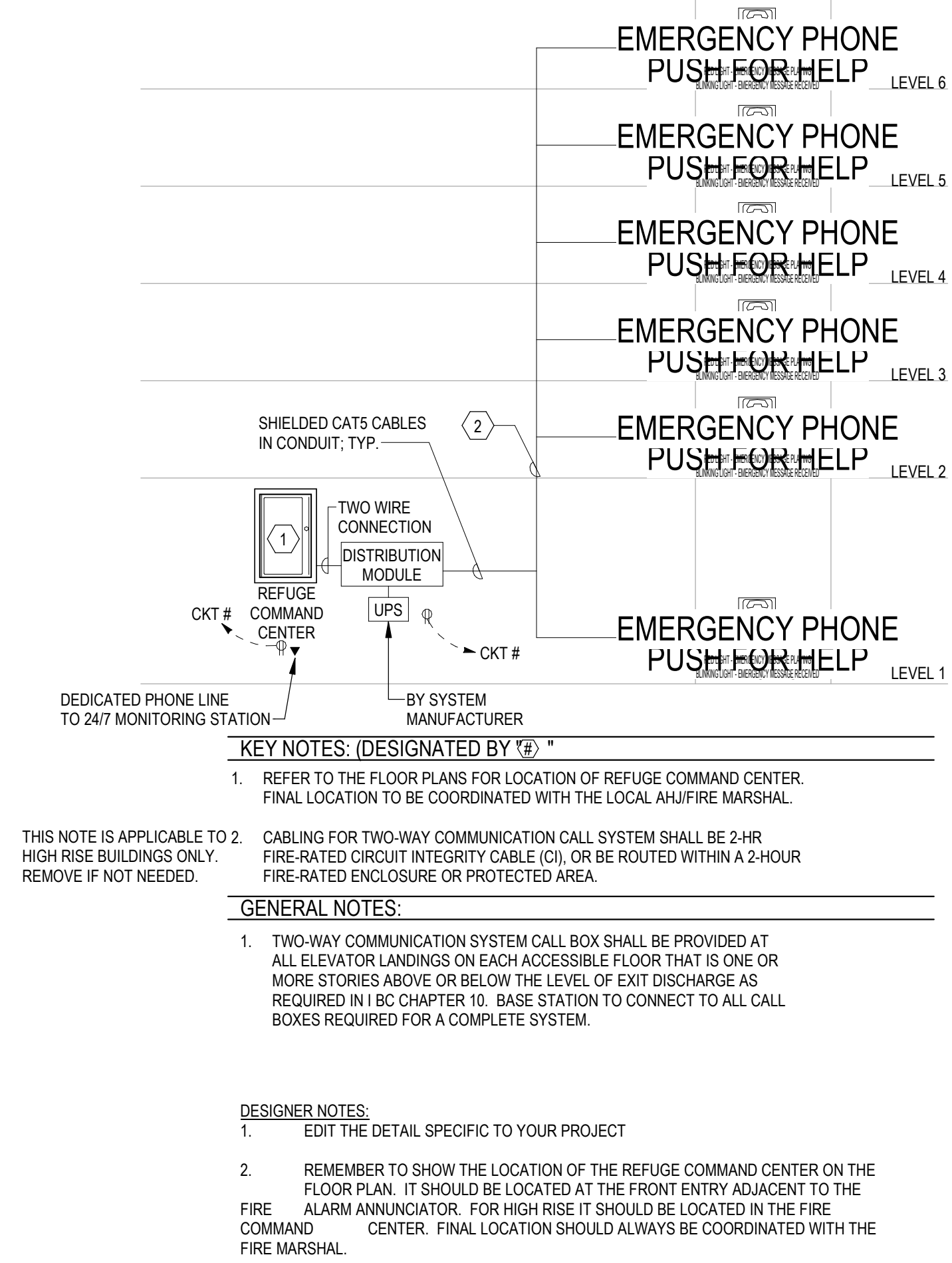
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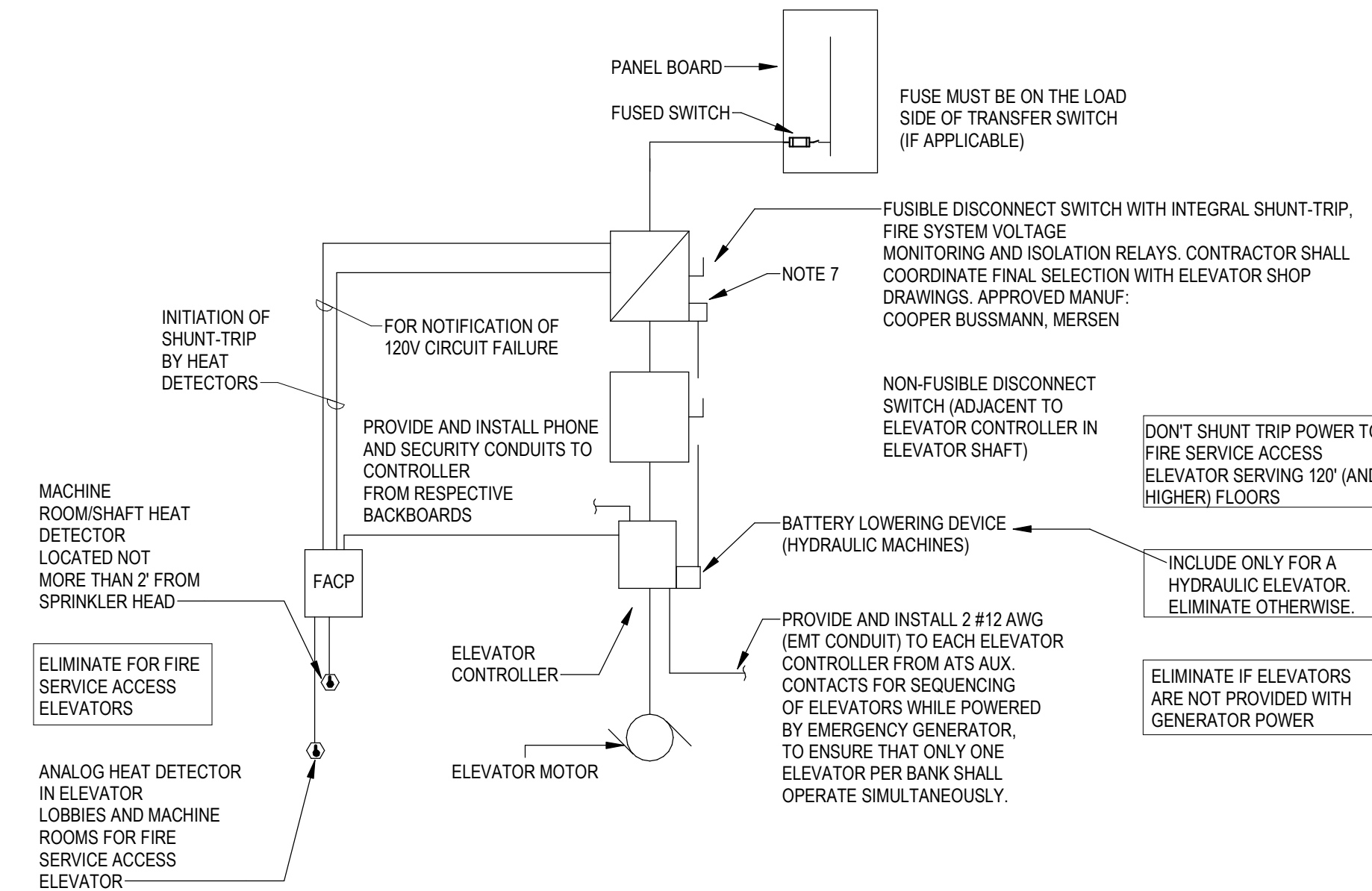
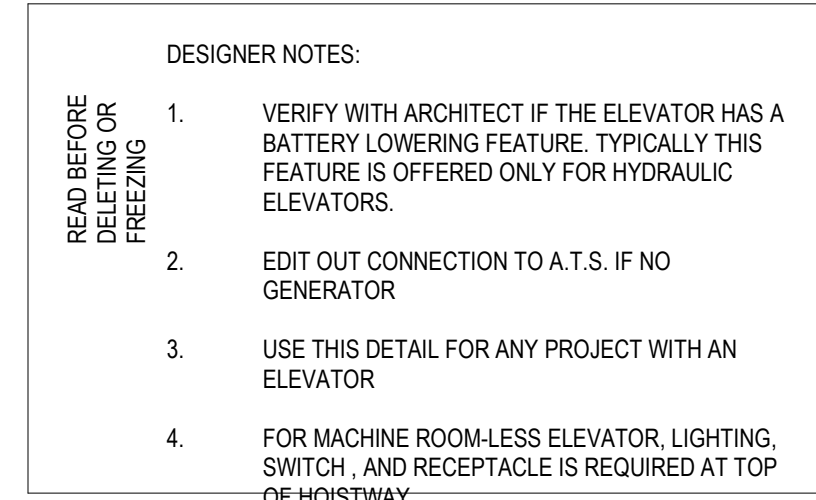
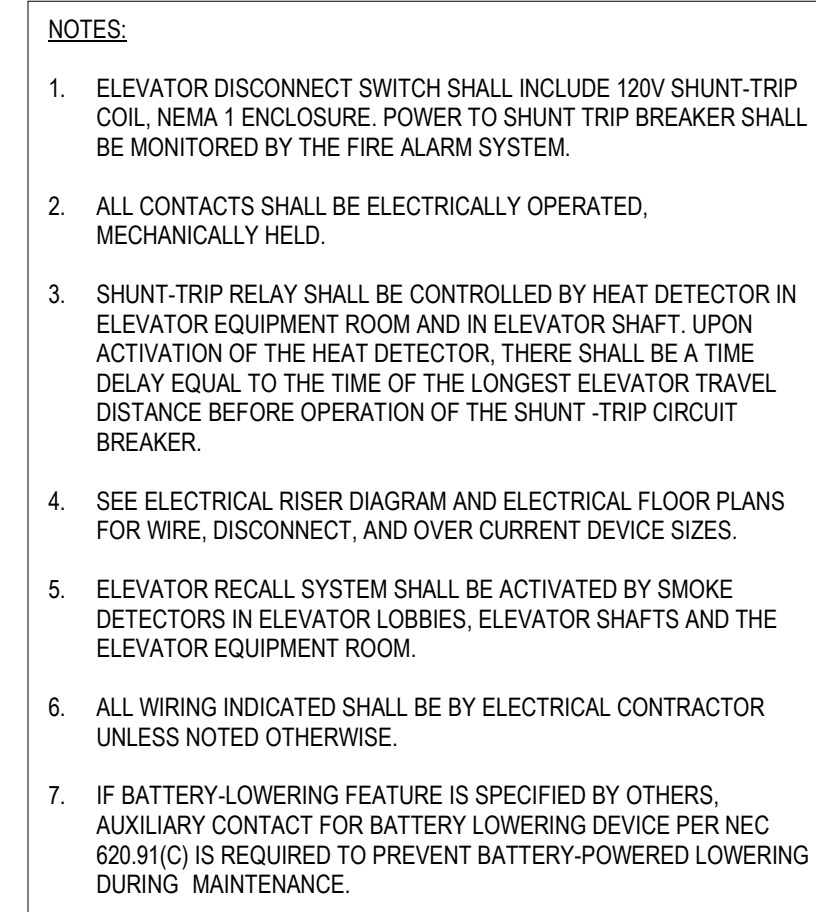
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1 TWO WAY COMMUNICATION SYSTEM DETAIL

Scale: 6" = 1'-0"



2 ELEVATOR (MACHINE ROOMLESS) WIRING DIAGRAM

Scale: 6" = 1'-0"