

226 & 222 Industrial Loop South
Orange Park, Florida 32073

Building Manager:
Wesjax Development Co.
569 Edgewood Ave. S
Jacksonville, Florida 32205

Architectural Services:
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Mechanical, Electrical, & Plumbing Engineering:

Powell & Hinkle Engineering
1409 Kingsley Avenue, Building 12A
Orange Park, Florida
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Robert Hinkle, PE No. 29302
Lane Hinkle, PE No. 48076
Thomas Elder, PE No. 56121

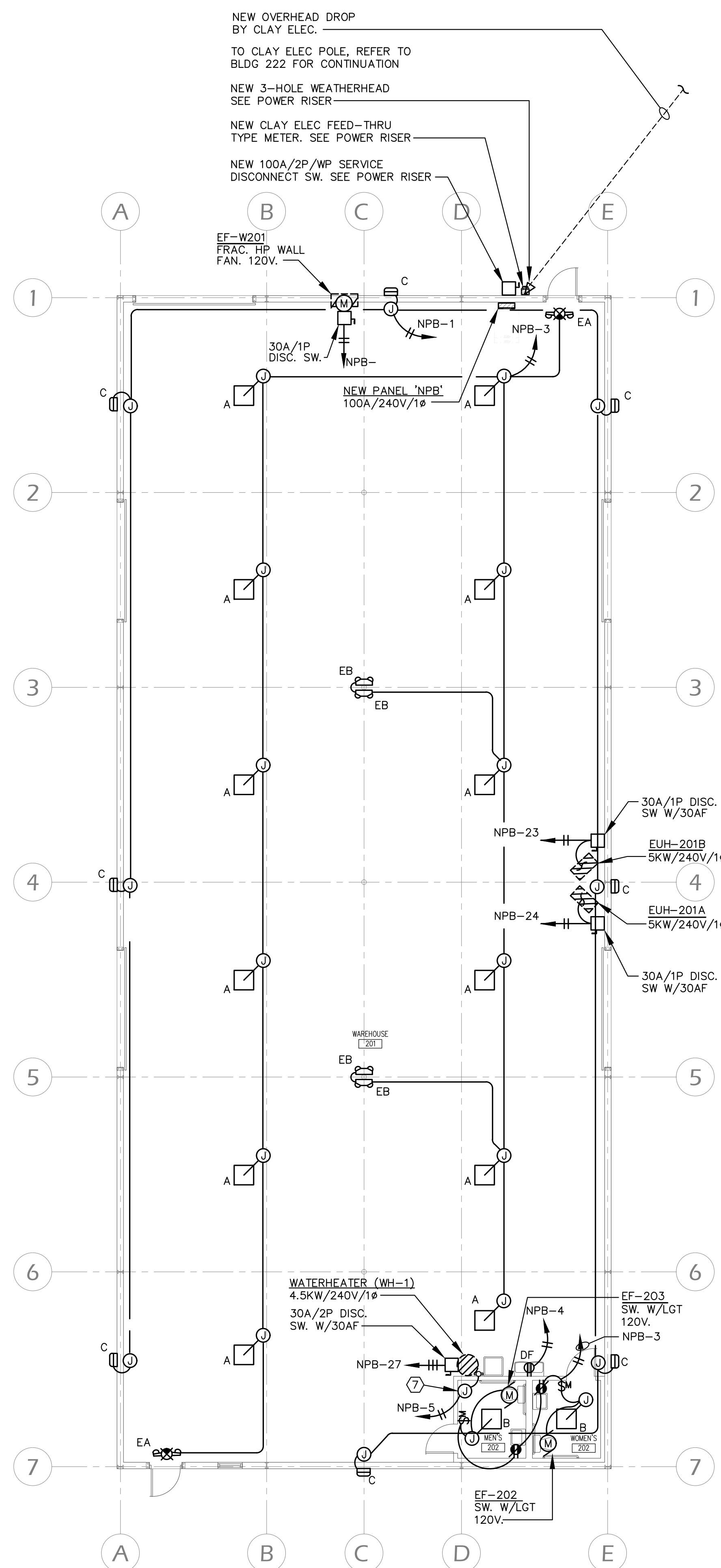
"TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH THIS SECTION AND CHAPTER 633, FLORIDA STATUTES."

ELECTRICAL SHEET INDEX	
SHEET NO.	SHEET TITLE
E1.1	FLOOR PLAN-ELECTRICAL, FIXTURE SCH & NOTES
E1.2	FLOOR PLAN-ELECTRICAL, LEGEND & NOTES
E2.1	POWER RISER, ELEC DETAILS AND SPEC'S

LIGHTING FIXTURE SCHEDULE ①								
MARK	DESCRIPTION	MANUFACTURER	VOLT	LED SOURCE		INPUT WATTS	MTG/INSTALLATION (UNLESS INDICATED OTHERWISE)	NOTES
				LUMENS	TEMP (°K)			
A	2X2 LED LOW BAY, W/OCC SENSOR	LITHONIA# CPHB AL013 MVOLT SWW9 80CRI LSRX6 DWH	120	12K	4K	89	"Y" HANGER	
B	2X2 LED FLAT PANEL, ACRYLIC LENS	LITHONIA# CPX 2X2 AL07 SWW7 M4		3356	35K	29	FLUSH IN CLG	
C	LED WALL PACK, FULL CUT OFF	LITHONIA# TWR1 LED ALO SWW2 UVOLT DDBTXD		5300	4K	36	12" BELOW ROOF LINE	
EA	COMBO EXIT/EGRESS, RED LT, W/90 MIN BATTERY	LITHONIA# ECRG RD M6		-	RED	2	SURFACE	
EB	DUAL HEAD EGRESS UNIT W/90MIN. BATTERY	LITHONIA# ELM4L		-	-	12	10'AFF	

NOTES:

- THE FIXTURE CATALOG NUMBERS GIVEN MAY NOT CONTAIN ALL PARTS & PIECES REQUIRED. CONTRACTOR TO INCLUDE ALL PARTS REQUIRED FOR A FULLY FUNCTIONING FIXTURE INCLUDING (BUT NOT LIMITED TO) HOUSINGS, TRIMS, REFLECTORS, BALLAST, TRANSFORMER(S), DRIVERS, LAMPS etc... IN-ADDITION DIMMER SWITCHES SHALL BE COMPATIBLE WITH FIXTURE PROVIDED.
- LIGHT FIXTURE(S) WITH FIELD-SELECTABLE SETTINGS SHALL BE FIELD VERIFIED TO MATCH FIXTURE LUMENS/WATTS AND KELVIN TEMPERATURE AS SCHEDULED.



FLOOR PLAN- ELECTRICAL (226)
SCALE: 1/8" = 1'-0"

PLAN NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING LIGHT FIXTURES.
- ALL LIGHT FIXTURES ARE TYPE 'A' UNLESS OTHERWISE INDICATED.
- ALL EXIT SIGNS ARE TYPE 'EA' UNLESS OTHERWISE INDICATED.
- ALL SENSORS LOCATED IN AREAS SUCH AS BREAK ROOMS & MECHANICAL ROOMS SHALL BE PROGRAMMED AS VACANCY TYPE SENSORS. ALL SENSORS LOCATED IN AREAS SUCH AS OPEN AREAS, CORRIDORS & RESTROOMS SHALL BE PROGRAMMED AS OCCUPANCY TYPE SENSORS.
- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND REQUIREMENTS OF ALL HVAC EQUIPMENT. IF CONDENSATE PUMP(S) ARE REQUIRED, TIE TO NEAREST 120V OUTLET.
- PROVIDE TAMPER RESISTANT RECEPTACLES PER NEC 406.12.
- FROM J-BOX PROVIDE 120V. CONNECTION TO CIRCULATION PUMP (CP-1), COORDINATE EXACT LOCATION WITH SUPPLIER PRIOR TO ROUGH-IN.

Revisions:

Date: 6.6.2025

File: ELEC

FLOOR PLAN-
ELECTRICAL
& NOTES

6/5/25
4022ELEC

E1.1

Maxxim Construction at:

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PANEL-NPA(222)												
SERVING		AWG SIZE	KVA LOAD	AMP	CKT	L1	L2	CKT	AMP	KVA LOAD	AWG SIZE	SERVING
LGT- WALL PACKS	12	0.5	20	1				2	20	1.7	12	LTS-WAREHOUSE
LGT/REC/FAN- TOILETS	12	0.6	20	3				4	20	0.2	12	REC- DRINKING FOUNTAIN
CIRC PUMP (CP-1)	12	0.1	20	5				6	20	-	-	SPARE
SPARE	-	-	20	7				8	20	-	-	
-	-	-	20	9				10	20	-	-	
-	-	-	20	11				12	20	-	-	
-	-	-	20	13				14	20	-	-	
-	-	-	20	15				16	20	-	-	
-	-	-	20	17				18	20	-	-	
-	-	-	20	19				20	20	-	-	
-	-	-	20	21				22	20	-	-	
WALL HEATER	10	5.0	30	23				24	30	5.0	10	WALL HEATER
WATER HEATER (WH-1)	10	4.5	30	25				26	30	N/A	10	SURGE PROTECTION (SPD)
WATER HEATER (WH-1)	10	4.5	30	27				28	30	N/A	10	SURGE PROTECTION (SPD)
WATER HEATER (WH-1)	10	4.5	30	29				30	30	N/A	10	SURGE PROTECTION (SPD)
KVA LOAD- 17.6												

PANEL-NPA(222)												
SERVING		AWG SIZE	KVA LOAD	AMP	CKT	L1	L2	CKT	AMP	KVA LOAD	AWG SIZE	SERVING
LGT- WALL PACKS	12	0.5	20	1				2	20	1.7	12	LTS-WAREHOUSE
LGT/REC/FAN- TOILETS	12	0.6	20	3				4	20	0.2	12	REC- DRINKING FOUNTAIN
CIRC PUMP (CP-1)	12	0.1	20	5				6	20	-	-	SPARE
SPARE	-	-	20	7				8	20	-	-	
-	-	-	20	9				10	20	-	-	
-	-	-	20	11				12	20	-	-	
-	-	-	20	13				14	20	-	-	
-	-	-	20	15				16	20	-	-	
-	-	-	20	17				18	20	-	-	
-	-	-	20	19				20	20	-	-	
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WATER HEATER (WH-1)	10	4.5	30	29				30	30	N/A	10	SURGE PROTECTION (SPD)
KVA LOAD- 17.6												

PANEL SCHEDULE(S) NOTES:

- FROM SPD CIRCUIT BREAKER TO SPD DEVICE- KEEP CONDUCTOR LENGTHS TO A MINIMUM.
- WIRE/BREAKER SIZES ARE FOR REFERENCE ONLY. PRIOR TO ROUGH-IN FIELD VERIFY EXACT EQUIPMENT SELECTION AND PROVIDE WIRE AND BREAKER SIZE & TYPE TO MATCH MECHANICAL EQUIPMENT REQUIREMENTS.
- EXTEND BRANCH CIRCUIT THRU TIME CLOCK.
- ALL CIRCUIT BREAKERS SERVING RECEPTACLES FOR DRINKING WATER FOUNTAINS SHALL BE GFI TYPE "NEC 422.52"
- HANDLE TIES SHALL BE USED FOR ALL BRANCH BREAKERS WHICH SHARE A NEUTRAL CONDUCTOR. MULTI-POLE BREAKERS SHALL BE PROVIDED FOR ALL 208 OR 480 LOADS HANDLE TIES NOT PERMITTED UNLESS USED FOR COMPLIANCE WITH NEC.

BLDG 222

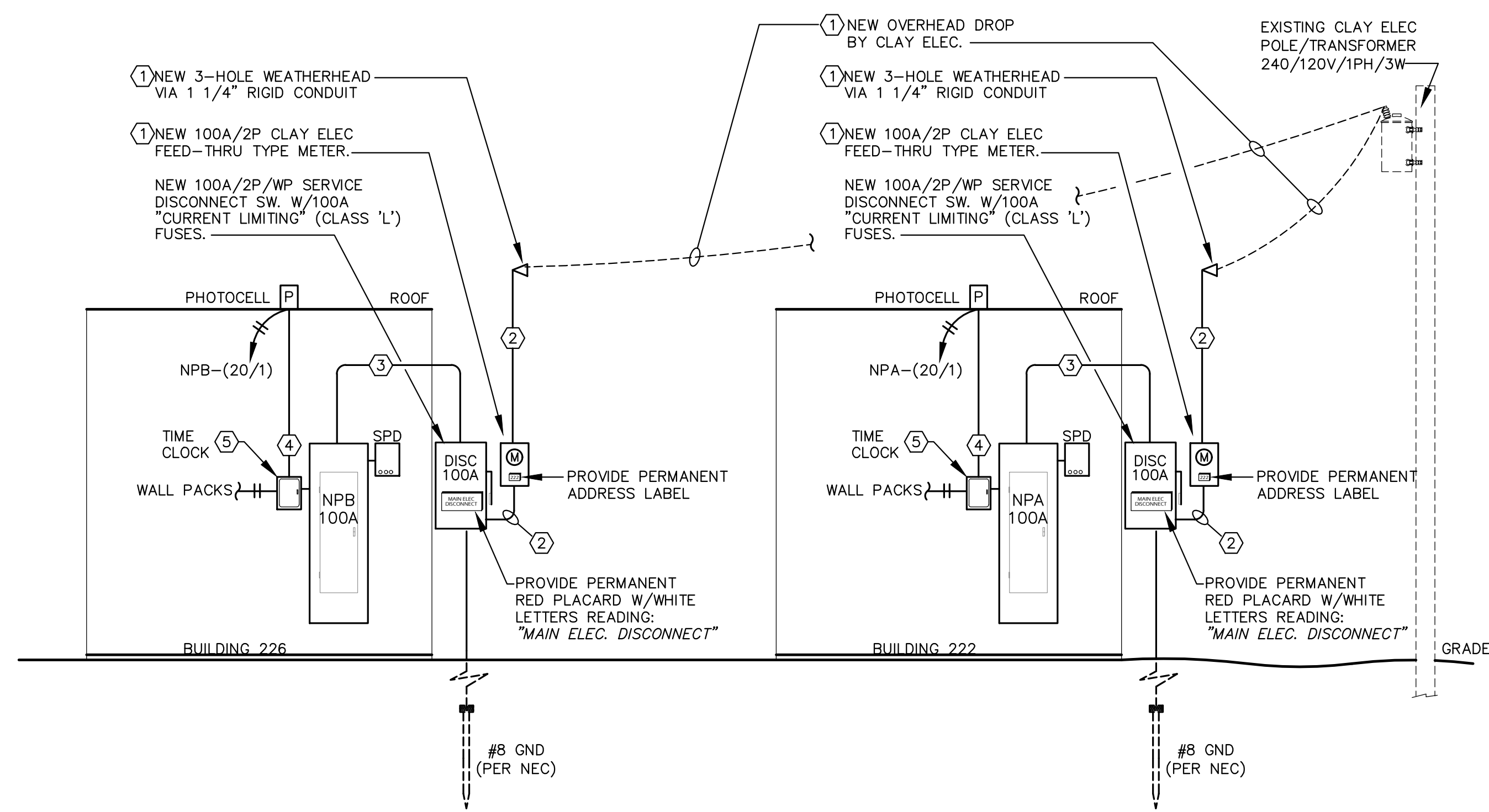
LOAD STUDY
(FOR UTILITY COORDINATION)

LOAD	KVA
LIGHTING	2.2
RECEPTACLES	0.8
WATER HEAT	4.5
SPACE HEATERS	10.0
1Ø MOTORS	-
MISCELLANEOUS	0.1
TOTAL	17.6

BLDG 226

LOAD STUDY
(FOR UTILITY COORDINATION)

LOAD	KVA
LIGHTING	2.2
RECEPTACLES	0.8
WATER HEAT	4.5
SPACE HEATERS	10.0
1Ø MOTORS	-
MISCELLANEOUS	0.1
TOTAL	17.6



POWER RISER
NO SCALE

RISER NOTES:

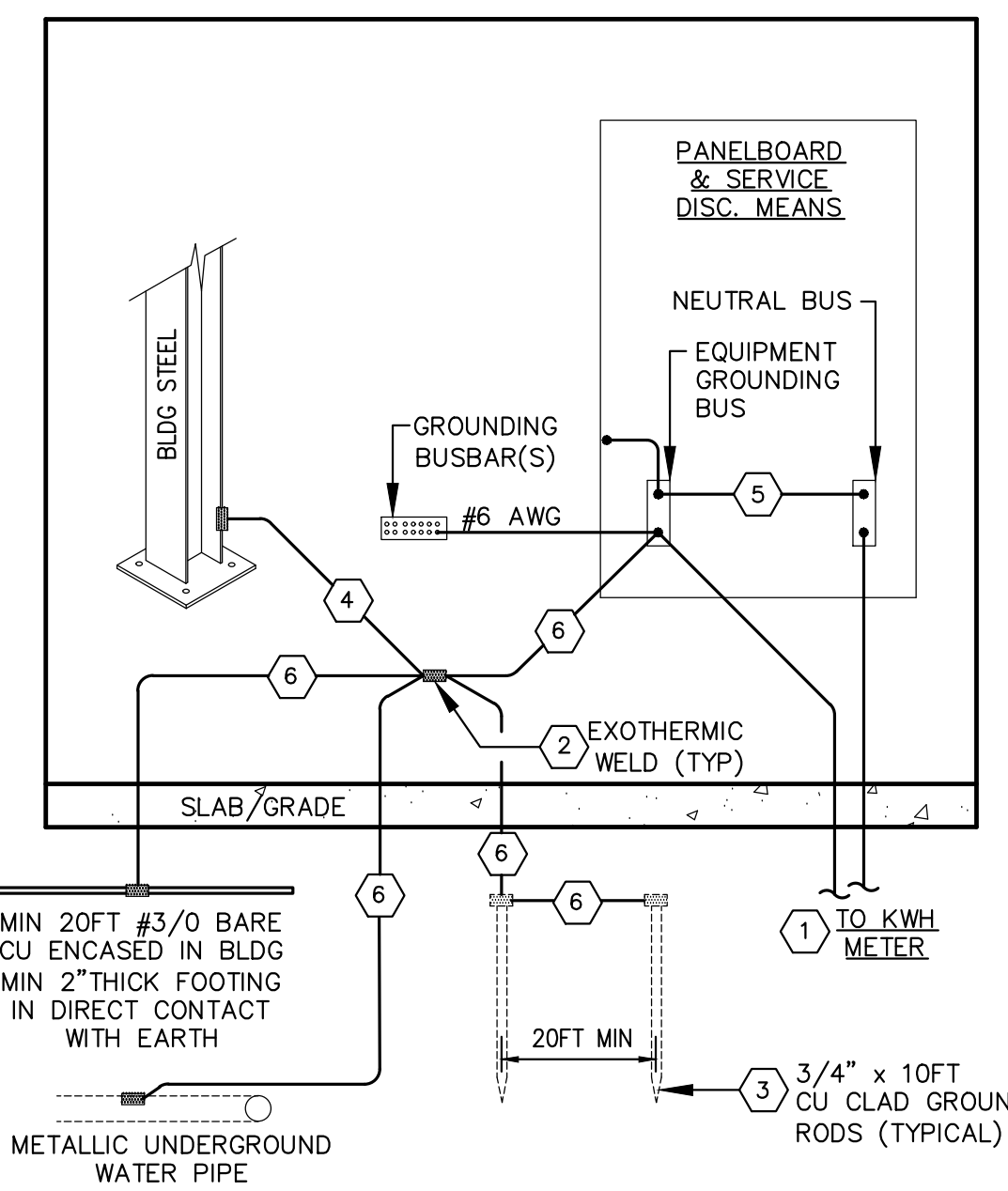
- PROVIDE SECONDARY WEATHERHEAD, PAD, METER & ADDRESS LABEL PER CLAY ELEC RULES & REGS. COORDINATION WITH CLAY ELEC WILL BE REQUIRED.
- PROVIDE (100A): 1 1/4" C. (3-#3 DROP BY CLAY ELEC.)
- PROVIDE (100A): 3-#3 & 1#8(0)-1 1/4" C.
- PROVIDE PHOTOCELL ON ROOF. FACE PHOTOCELL NORTH CLEAR OF ANY OBSTRUCTIONS SUCH AS; ROOF TOP EQUIP/PARAPET WALLS ETC. PROVIDE 120V CIRCUIT AND CONNECT FOR OPERATION VIA TIME CLOCK.
- TIME CLOCK, 120V/30AMP, ASTRO DIAL, WITH SKIP-A-DAY FEATURE. SEE SPECIFICATIONS.
- SURGE PROTECTION DEVICE (SPD) SEE SPECIFICATIONS.

ELECTRICAL LEGEND

- WALL MOUNTED LIGHTING FIXTURE (WALLPACK)
- EMERGENCY BATTERY LIGHTING FIXTURE
- EXIT SIGN LIGHTING FIXTURE
- 2X2 HIGH-BAY LIGHTING FIXTURE
- 2X2 LAY-IN LIGHTING FIXTURE
- LOW VOLTAGE CIRCUIT/CONDUIT
- CIRCUIT/CONDUIT UNDERFLOOR/GRADE W/GROUND
- CIRCUIT/ CONDUIT W/GROUND
- BRANCH CIRCUIT HOMERUN W/GROUND
- SWITCH SINGLE POLE
- MOTOR RATED SWITCH
- MOTION SENSOR SWITCH
- DUPLEX RECEPTACLE
- DUPLEX GFI RECEPTACLE- HORIZ. 2" ABOVE BACKSPASH
- PANELBOARD (PNL)
- JUNCTION BOX
- DISCONNECT (ENCL SIZE/POLES/FUSE/NEMA)
- MOTOR
- FUSED DISC (ENCL SIZE/POLES/FUSE/NEMA)

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR/GRADE
- EF EXHAUST FAN
- EWC ELECTRIC WATER COOLER
- GFI GROUND FAULT INTERRUPT
- GND GROUND
- MW MILLWORK
- T/C TIME CLOCK
- TR TAMPER RESISTANT
- SPD SURGE PROTECTION DEVICE
- UH UNIT HEATER
- WH WATER HEATER
- WP WEATHERPROOF
- XFMR TRANSFORMER



DETAIL NOTES:

- NEUTRAL AND EQUIPMENT GROUNDING CONDUCTOR (GND). ROUTED WITH SERVICE ENTRANCE CONDUCTORS- REFER TO POWER RISER FOR WIRE SIZE.
- ALL SERVICE GROUNDING CONNECTIONS SHALL BE DONE WITH EXOTHERMIC WELDS.
- AFTER GROUNDING SYSTEM IS INSTALLED, GROUND RESISTANCE SHALL BE MEASURED, TO ASSURE THAT GROUND VALUE OF 10 OHM MAXIMUM RESISTANCE IS ACHIEVED. IF NOT, ADDITIONAL GROUNDING SHALL BE PROVIDED TO MEET SPECIFIC VALUE.
- GROUNDING ELECTRODE CONDUCTOR PER NEC TABLE 250.66.
- MAIN BONDING JUMPER SIZE PER NEC 250-66.
- #3/0 AWG GROUNDING ELECTRODE CONDUCTOR.

Revisions:

Date: 6.6.2025

File: ELEC

**POWER RISER
PNL SCH
& LEGEND**

E2.1