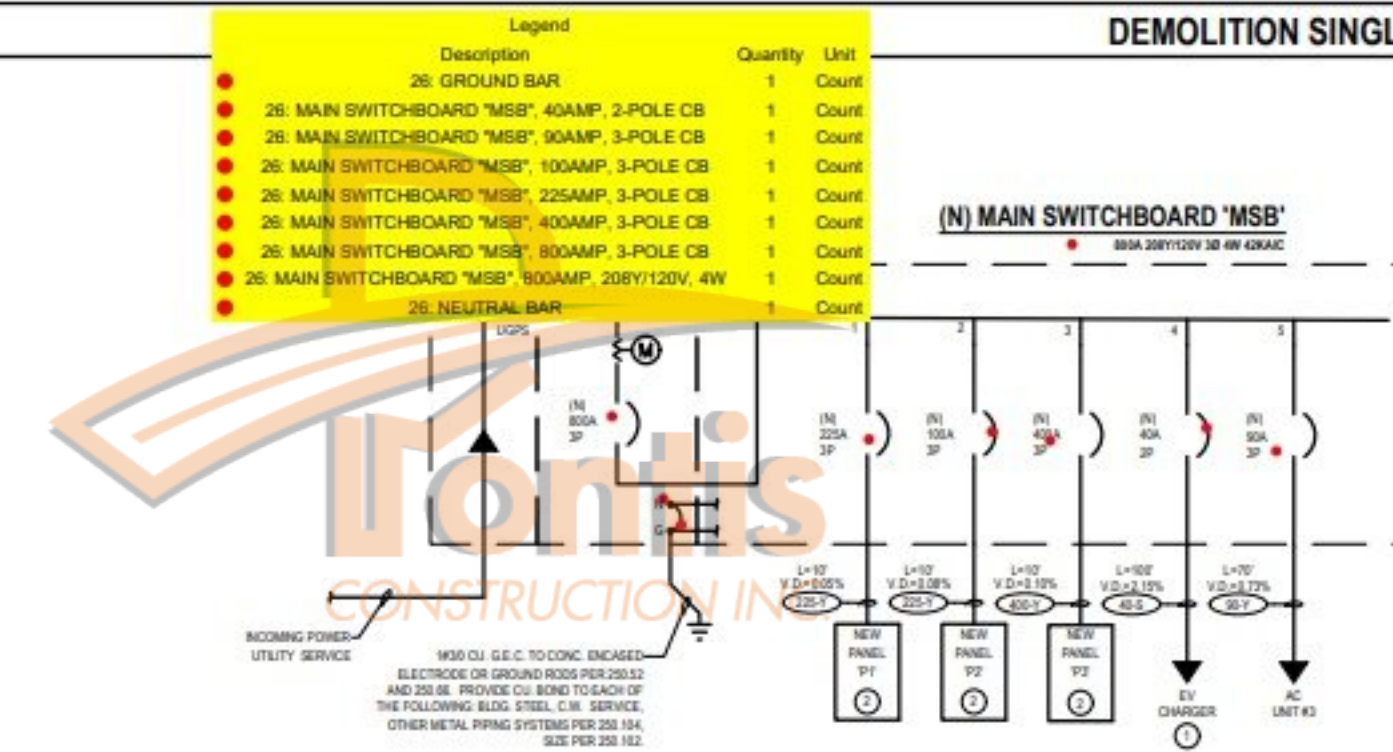


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PHOTOVOLTAIC COMPLIANCE CALCS - PRESCRIPTIVE METHOD

E CALCS - PRESCRIPTIVE METHOD



REMODEL SINGLE LINE DIAGRAM

- | |
|------------------|
| DEMOLITION NOTES |
|------------------|

CONSTRUCTION NOTES

1. PROVIDE CHARGE POINT 400 SERIES LEVEL 2 ELECTRIC VEHICLE CHARGING STATION. REFER TO SITE PLAN FOR LOCATION.
2. PANELBOARD TO BE PROVIDED WITH PROVISIONS FOR FUTURE METERING OF THE ELECTRICAL ENERGY OF EACH BRANCH CIRCUITS BY MEASURING AND REPORTING THE USAGE OF LOAD TYPES UNDER 2002 CALIFORNIA ENERGY CODE (30.5b) AND TABLE 130.5-B. PROVIDE PROVISIONS FOR FUTURE INTEGRATION OF CTs, ETC. INTO THE PANELBOARD.

**RIVERSIDE
HOMELESS SHELTER**

**CITY OF
RIVERSIDE**

2800 HULEN PLACE
RIVERSIDE, CA 92507

[illegible]

REGISTRATION SIGNATURE: _____



SHEET TITLE:

SINGLE LINE DIAGRAM

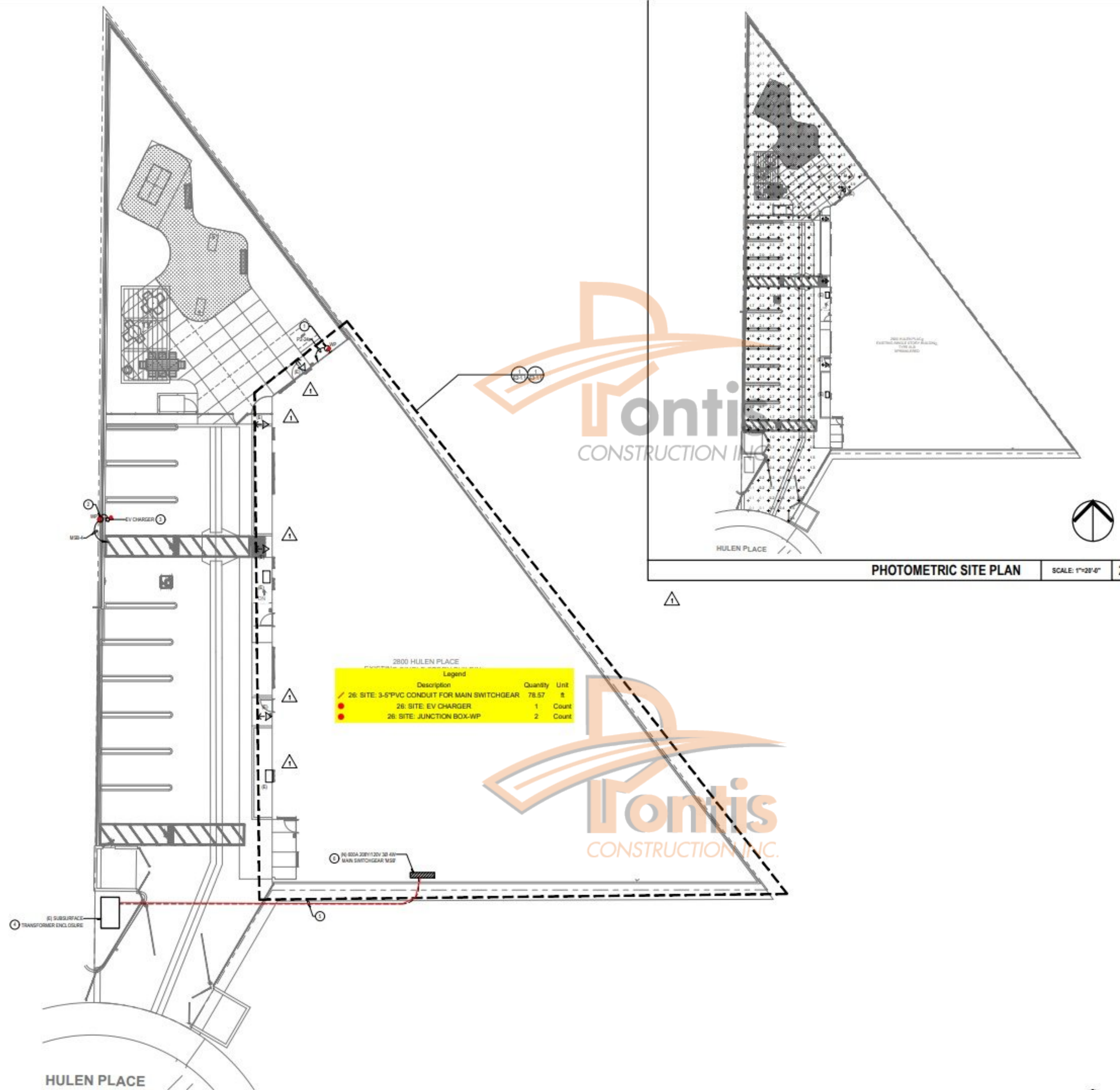
NUMBER:

E0-1.3

WD PROJ. #	DRAWN BY:	CHECKED	DATE
22854	I.G. / J.F.	J.F.	07/07/23

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13-007



GENERAL NOTES

- ELECTRICAL CONTRACTOR MUST OBTAIN APPROVED CONSTRUCTION DRAWINGS FROM THE RESPECTIVE UTILITY COMPANIES AND INCLUDE ALL MATERIAL AND WORK AS INDICATED THEREIN IN THE BID PRICE. IF UTILITY DRAWINGS ARE NOT AVAILABLE WHEN BIDS ARE SUBMITTED, SO INDICATE AND ADVISE ELECTRICAL ENGINEER OF RECORD ACCORDINGLY.
- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATION OF UTILITY PANELS, CONDUIT, AND TRANSFORMERS WITH RESPECTIVE UTILITY COMPANIES PRIOR TO START OF ANY SITE WORK.
- ALL UTILITY SERVICES SHALL BE INSTALLED PER THE UTILITY COMPANY REQUIREMENTS. VERIFY FINAL CONSTRUCTION REQUIREMENTS WITH UTILITY COMPANY SERVICE PLANNERS.
- THE CONTRACTOR SHALL INSPECT AND VERIFY ALL FIELD CONDITIONS PRIOR TO INSTALLATION OF UTILITY SERVICES.
- COORDINATE TRENCH ROUTING AND EQUIPMENT LOCATIONS WITH EXISTING CONDITIONS AND NEW WORK.
- UTILITY SERVICE INFORMATION SHOWN IS FOR BIDDING PURPOSES ONLY. ACTUAL CONSTRUCTION DOCUMENTS SHALL BE OBTAINED FROM THE APPROPRIATE UTILITY COMPANY REPRESENTATIVE.
- THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY REPRESENTATIVE TO ESTABLISH PRE-CONSTRUCTION COORDINATION, OBTAIN ALL NECESSARY METERS AND/OR APPROVALS, AND SCHEDULE UTILITY WORK TO COORDINATE WITH THE CONSTRUCTION SCHEDULE.
- ALL SITE BRANCH CIRCUIT WIRING SHALL BE #10 AWG. OR LARGER.
- CONTRACTOR SHALL VERIFY EXISTING BUILDING FOOTING PRIOR TO INSTALLATION OF STUB-UP CONDUITS FOR NEW WALL MOUNTED JUNCTION BOX TO AVOID ANY INTERFERENCE.
- ALL POWER UTILITY WORK SHALL BE IN COMPLIANCE WITH THESE DRAWINGS AND THE REQUIREMENTS OF THE SERVING UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SERVING UTILITY TO RECEIVE COMPLETE INFORMATION ON THEIR REQUIREMENTS PRIOR TO THE SUBMISSION OF THE BID. THE ACT OF SUBMITTING THE BID SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO INSTALL SERVICE IN COMPLIANCE WITH THE SERVING UTILITY AND THE CONTRACT DOCUMENTS.
- ALL SITE UNDERGROUND CONDUIT TO BE 1" MIN. UNLESS OTHERWISE NOTED.
- SUPPORT CONDUITS EVERY 10'-0" AND WITHIN 3'-0" OF ANY JUNCTION BOX OR TERMINATION.
- CONTRACTOR IS TO CONTACT UTILITY INSPECTOR LISTED ON FINAL UTILITY APPROVED PLANS TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO ALL UTILITY CONSTRUCTION.
- ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R.

CONSTRUCTION NOTES

- FOR IRRIGATION CONTROLLER, VERIFY EXACT LOCATION WITH LANDSCAPE DRAWINGS PRIOR TO INSTALLATION.
- FOR EV CHARGING STATION, VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO CONSTRUCTION.
- MAKE CONNECTION TO ELECTRIC VEHICLE CHARGING STATION PER THE MANUFACTURER'S REQUIREMENTS. VERIFY CHARGER LOCATION WITH ARCHITECT PRIOR TO CONSTRUCTION, TYPICAL.
- POINT OF CONNECTION TO POWER UTILITY COMPANY. VERIFY EXACT LOCATION WITH UTILITY SERVICE PLANNER AND IN FIELD.
- POWER UTILITY SECONDARY CONDUITS. PROVIDE 3-5" CONDUITS AS SPECIFIED BY UTILITY COMPANY. UNLESS NOTED OTHERWISE, VERIFY SIZE AND QUANTITY OF CONDUITS REQUIRED WITH UTILITY COMPANY PRIOR TO BID. ALL WORK TO BE DONE FROM UTILITY CO. APPROVED PLANS.
- UNDERGROUND PULL SECTION PER POWER UTILITY SERVICE REQUIREMENTS. SEE SINGLELINE DIAGRAM(S) FOR FURTHER INFORMATION. PROVIDE MINIMUM CLEARANCES AS REQUIRED BY THE SERVING UTILITY COMPANY.



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DESIGN WEST ENGINEERING
MECHANICAL ELECTRICAL PLUMBING CONSULTANTS



6725 Stonewall Drive
San Bernardino, CA 92408
Phone: 909.490.0700
Fax: 909.490.0775
Email: dave@designwesteng.com

As these drawings are prepared, the engineer has not conducted a field inspection of the site. The engineer is not responsible for the accuracy of the information provided on these drawings. The engineer is not responsible for the accuracy of the information provided on these drawings. The engineer is not responsible for the accuracy of the information provided on these drawings.

RIVERSIDE
HOMELESS SHELTER

CITY OF
RIVERSIDE

2800 HULEN PLACE
RIVERSIDE, CA 92507

ISSUED FOR:
PLAN CHECK RESPONSE 01 10/09/2023
PLAN CHECK RESPONSE 02 02/19/2024

REVISIONS:
PLAN CHECK RESPONSE 01 10/09/2023
PLAN CHECK RESPONSE 02 02/19/2024



SHEET TITLE:
ELECTRICAL SITE PLAN

SHEET NUMBER:
E0-2.1

WD PROJ # 22854 | DRAWN BY AN | CHECKED LM | DATE 07/07/23

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ELECTRICAL SITE PLAN

SCALE: 1"=10'-0"

1

**RIVERSIDE
HOMELESS SHELTER**

**CITY OF
RIVERSIDE**
2800 HULEN PLACE
RIVERSIDE, CA 92507

ISSUED FOR:
PLAN CHECK RESPONSE 01 12/02/2017

REVISIONS	
1. PLAN CHECK RESPONSE 01	12/02/2017

REVISIONS	
1. PLAN CHECK RESPONSE 01	12/02/2017



SHEET TITLE:

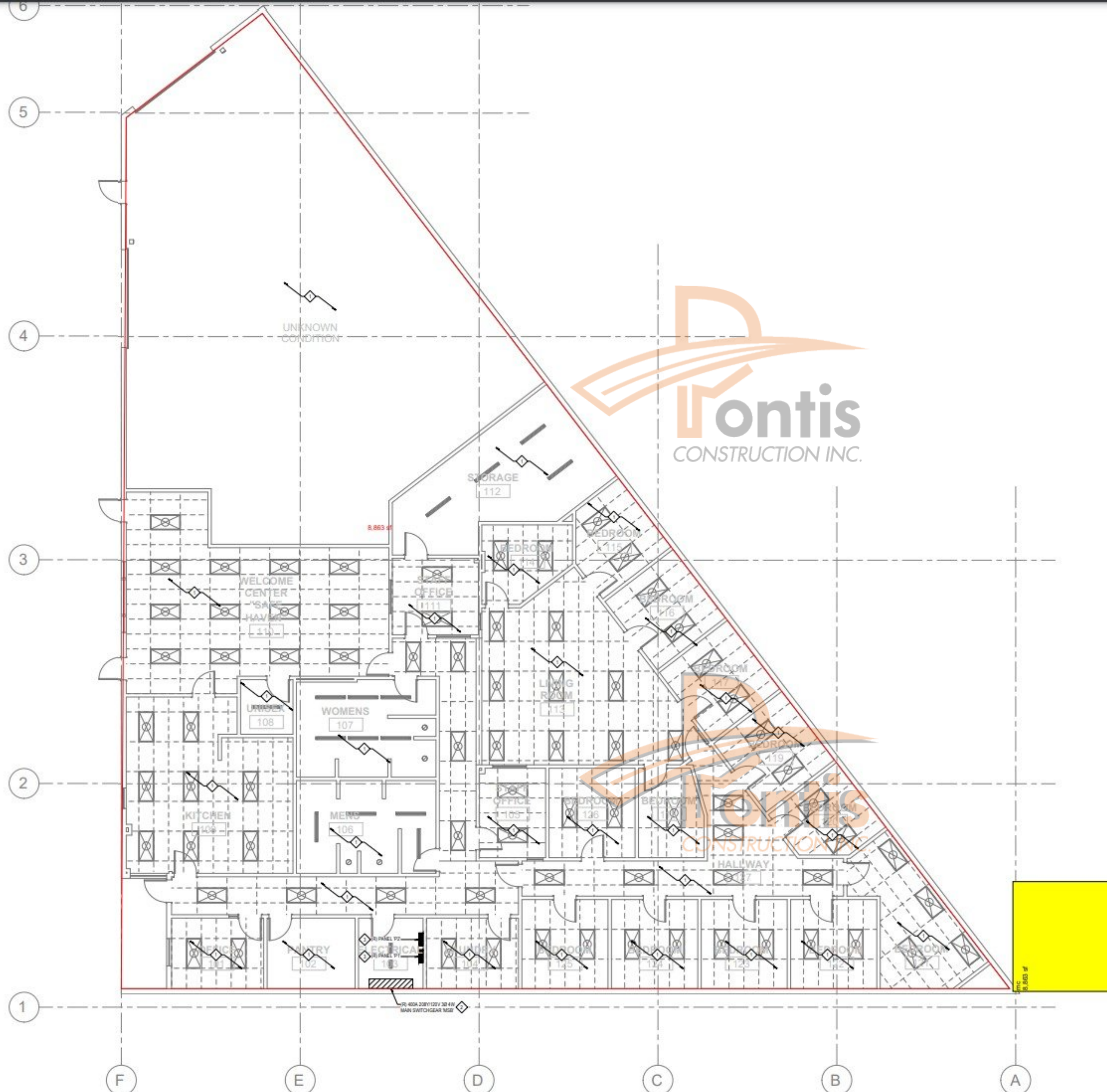
**ELECTRICAL
DEMOLITION PLAN**

SHEET NUMBER:

E1-1.1

WD PROJ #	DRAWN BY	CHECKED	DATE
22854	I.G. / J.F.	J.F.	07/07/23

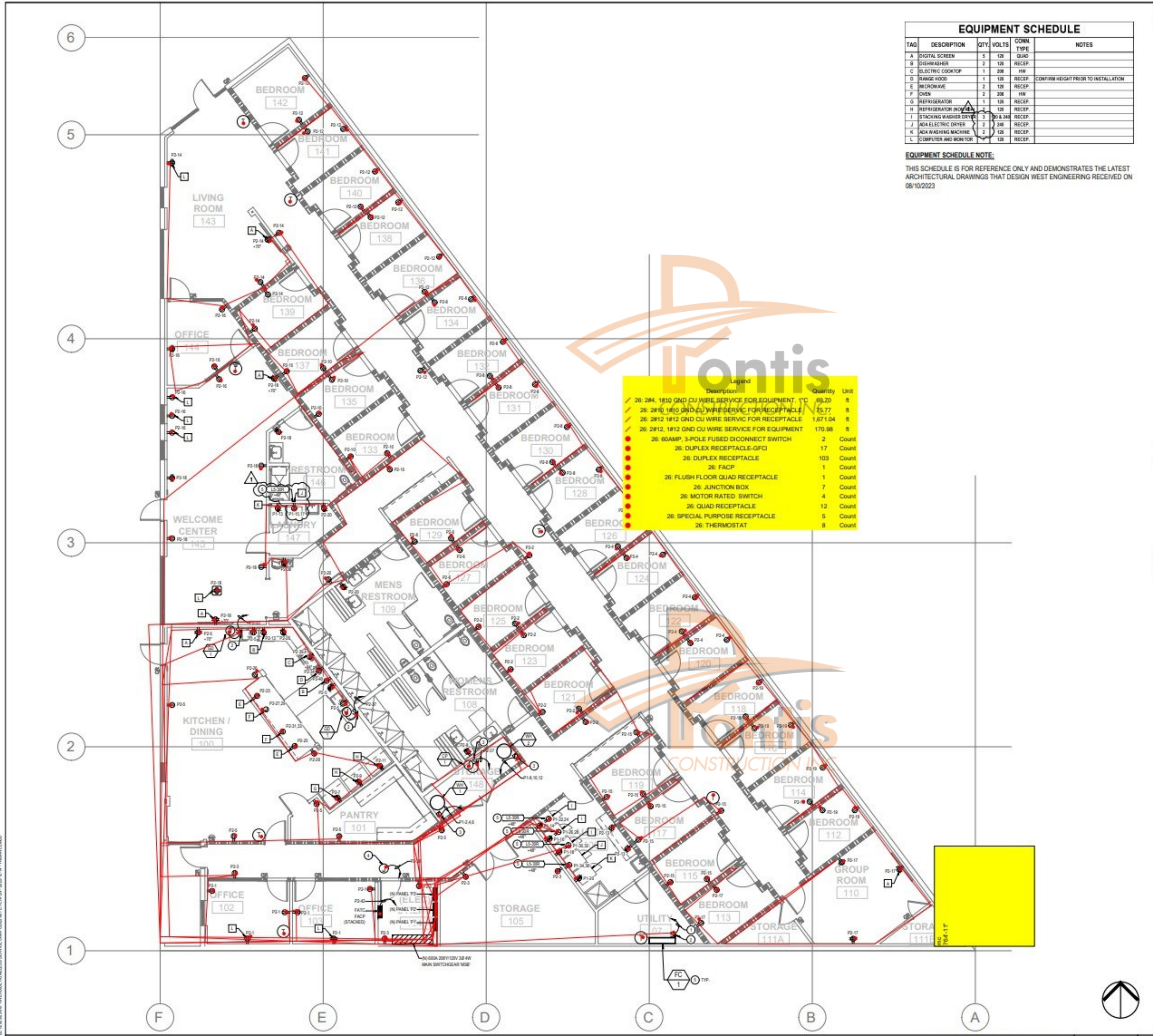
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ELECTRICAL DEMOLITION PLAN

3/16" = 1'-0"

1



EQUIPMENT SCHEDULE				
TAG	DESCRIPTION	QTY	VOLTS	CONNL TYPE
A	DIGITAL SCREEN	5	120	QUAD
B	DISHWASHER	2	120	RECEP
C	ELECTRIC COOKTOP	1	208	HW
D	RANGE HOOD	1	120	RECEP
E	MICROWAVE	2	120	RECEP
F	OVEN	2	208	HW
G	REFRIGERATOR	1	120	RECEP
H	REFRIGERATOR (NO FREEZER)	1	120	RECEP
I	STACKING WASHER DRYER	3	240 & 240	RECEP
J	ADA ELECTRIC DRYER	2	240	RECEP
K	ADA WASHING MACHINE	2	120	RECEP
L	COMPUTER AND MONITOR	120	120	RECEP

EQUIPMENT SCHEDULE NOTE:
THIS SCHEDULE IS FOR REFERENCE ONLY AND DEMONSTRATES THE LATEST ARCHITECTURAL DRAWINGS THAT DESIGN WEST ENGINEERING RECEIVED ON 08/10/2023

Description	Quantity	Unit
26: 284, 1810 GND CU WIRE SERVICE FOR EQUIPMENT, 1" C	59.20	ft
26: 2810 1810 GND CU WIRE SERVICE FOR RECEPTACLE	15.77	ft
26: 2812 1812 GND CU WIRE SERVICE FOR RECEPTACLE	1,671.04	ft
26: 2812, 1812 GND CU WIRE SERVICE FOR EQUIPMENT	170.98	ft
26: 60AMP, 3-POLE FUSED DISCONNECT SWITCH	2	Count
26: DUPLEX RECEPTACLE-GFCI	17	Count
26: DUPLEX RECEPTACLE	103	Count
26: FACP	1	Count
26: FLUSH FLOOR QUAD RECEPTACLE	1	Count
26: JUNCTION BOX	7	Count
26: MOTOR RATED SWITCH	4	Count
26: QUAD RECEPTACLE	12	Count
26: SPECIAL PURPOSE RECEPTACLE	5	Count
26: THERMOSTAT	8	Count

GENERAL NOTES

- COORDINATE POWER AND DATA DEVICE LOCATIONS AND DEVICE PLANT COLOR WITH ARCHITECT.
- NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN A SPACE EXTENDING FROM FLOOR TO A HEIGHT OF 6' ABOVE THE EQUIPMENT. (SEE 110.26)(1).
- ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R.

WESTGROUP DESIGNS
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DESIGN WEST ENGINEERING
MECHANICAL • ELECTRICAL • ENERGY CONSULTANTS

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RIVERSIDE HOMELESS SHELTER

CITY OF RIVERSIDE
2800 HULEN PLACE
RIVERSIDE, CA 92507

ISSUED FOR:
PLAN CHECK RESPONSE 01
12/08/2023

CONSTRUCTION NOTES

- FAN COIL TO BE POWERED BY HEAT PUMP (ON ROOF). REFER TO MECHANICAL PLANS FOR WIRING INFORMATION.
- PROVIDE AND INSTALL MOTOR RATED SNAP SWITCH.
- PROVIDE AND INSTALL 30A 3P H.D. NEMA 1 RATED FUSED DISCONNECT. FUSING PER EQUIPMENT MANUFACTURERS REQUIREMENTS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR.
- BOX FOR SMOKE FIRE DAMPER ACTUATOR. VERIFY EXACT LOCATION OF OUTLET BOX WITH MECHANICAL CONTRACTOR. WIRE ALL FINAL CONNECTIONS TO EQUIPMENT. PROVIDE LOCKABLE BREAKER AT PANELBOARD.
- PROVIDE 12" C. FROM HVAC EQUIPMENT TO THERMOSTAT LOCATION IDENTIFIED ON THE MECHANICAL DRAWINGS. PROVIDE CONDUIT AND OUTLET BOXES AS REQUIRED. COORDINATE EXACT LOCATION OF THERMOSTAT OUTLET BOX WITH MECHANICAL SYSTEM CONTRACTOR.
- CONTRACTOR SHALL CONTACT EQUIPMENT MANUFACTURER IN ORDER TO VERIFY THE NEMA PLUG CONFIGURATION FOR THE DESIGNATED EQUIPMENT BEFORE COMMENCING THE ROUGH-IN INSTALLATION.

REVISIONS:

PLAN CHECK RESPONSE 01
12/08/2023

REGISTRATION SIGNATURE:

SHEET TITLE:
POWER & SIGNAL PLAN

SHEET NUMBER:
E2-1.1

WD PROJ # 22854 | DRAWN BY: I.G. / J.F. | CHECKED: J.F. | DATE: 07/07/23

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DETAILED BREAKDOWN TAKEOFF & ACCURATE PRICING

Project ID: 2800 HULEN PLACE RIVERSIDE, CA 92507

Scope: ELECTRICAL

Date: 7/4/2024

TOTAL LABOR HC Hourly rate

2934.92 100.00

TOTAL
MATERIAL
COST
\$ 102,413.73



SR #	DESCRIPTION	QUANTIT Y	UNIT	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	LABOR HOUR	HOURLY WAGE	LABOR COST	UNIT MAT. COST	MATERIAL COST	SUB COST
DIV-1		GENERAL REQUIREMENTS										
1	Permits	1	LS	0%	1	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
2	Supervision and Coordination	1	LS	0%	1	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
3	Submittals and Shop Drawings	1	LS	0%	1	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
4	Final Cleaning	1	LS	0%	1	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
5	Mobilization Costs	1	LS	0%	1	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
6	Temporary Control & Facilities	1	LS	0%	1	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
7	Scaffolding	1	LS	0%	1	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
											SUBTOTAL \$	
DIV-02		EXISTING CONDITION										
	DEMOLISH											
8	Remove All Light Fixtures, Wall Devices And Control Devices Also Remove Conduit And Condu	8863	SF	10%	9749	0.045	438.72	\$ 100.00	\$ 43,871.85		\$ -	\$ 43,871.85
9	Disconnect And Remove All Existing Fire Alarm Devices And Associate Wiring	8863	SF	10%	9749	0.048	467.97	\$ 100.00	\$ 46,796.64		\$ -	\$ 46,796.64
10	Disconnect And Remove All Fire Alarm Equipment	2	EA	0%	2	1.000	2.00	\$ 100.00	\$ 200.00		\$ -	\$ 200.00
11	Remove Existing 400A Service	1	EA	0%	1	2.500	2.50	\$ 100.00	\$ 250.00		\$ -	\$ 250.00
12	Remove Existing Panel Board And Associated Feeder	2	EA	0%	2	2.000	4.00	\$ 100.00	\$ 400.00		\$ -	\$ 400.00
DIV-26		SITE ELECTRICAL										
	CONDUIT											
13	3-5"Pvc Conduit For Main Switchgear	80	LF	10%	88	0.100	8.80	\$ 65.00	\$ 572.00	\$ 3.20	\$ 281.60	\$ 853.60
	OUTLET											
14	Ev Charger	1	LF	10%	1	8.000	8.80	\$ 65.00	\$ 572.00	\$ 1,132.00	\$ 1,245.20	\$ 1,817.20
15	Junction Box-Wp	2	LF	10%	2	1.000	2.20	\$ 65.00	\$ 143.00	\$ 72.00	\$ 158.40	\$ 301.40
DIV-26		ELECTRICAL										
	CONDUIT											
16	3/4" Emt Conduit	9280	LF	10%	10208	0.062	632.90	\$ 100.00	\$ 63,289.60	\$ 1.04	\$ 10,616.32	\$ 73,905.92
17	1" Emt Conduit	580	LF	10%	638	0.070	44.66	\$ 100.00	\$ 4,466.00	\$ 1.64	\$ 1,046.32	\$ 5,512.32
	CONDUCTOR											
18	2#12, 1#12 Gnd Cu Wire Service For Lighting	3480	LF	10%	3828	0.040	153.12	\$ 100.00	\$ 15,312.00	\$ 0.48	\$ 1,837.44	\$ 17,149.44
19	2#12, 1#12 Gnd Cu Wire Service For Receptacle	2877	LF	10%	3165	0.040	126.59	\$ 100.00	\$ 12,658.80	\$ 0.48	\$ 1,519.06	\$ 14,177.86
20	2#10, 1#10 Gnd Cu Wire Service For Receptacle	255	LF	10%	281	0.050	14.03	\$ 100.00	\$ 1,402.50	\$ 0.64	\$ 179.52	\$ 1,582.02
21	3#12, 1#12 Gnd Cu Wire Service For Equipment	545	LF	10%	600	0.040	23.98	\$ 100.00	\$ 2,398.00	\$ 0.48	\$ 287.76	\$ 2,685.76
22	2#8, 1#10 Gnd Cu Wire Service For Equipment	50	LF	10%	55	0.065	3.60	\$ 100.00	\$ 360.15	\$ 1.02	\$ 56.52	\$ 416.66
23	3#4, 1#8 Gnd Cu Wire Service For Equipment	88	LF	10%	97	0.070	6.78	\$ 100.00	\$ 677.91	\$ 1.60	\$ 154.95	\$ 832.86
24	2#4, 1#8 Gnd Cu Wire Service For Equipment	80	LF	10%	88	0.070	6.16	\$ 100.00	\$ 616.00	\$ 1.60	\$ 140.80	\$ 756.80
25	3#6, 1#10 Gnd Cu Wire Service For Equipment	75	LF	10%	83	0.062	5.12	\$ 100.00	\$ 511.50	\$ 0.97	\$ 80.03	\$ 591.53
26	3#8, 1#10 Gnd Cu Wire Service For Equipment	345	LF	10%	380	0.065	24.67	\$ 100.00	\$ 2,466.75	\$ 1.02	\$ 387.09	\$ 2,853.84
27	225-Y Feeder From Main Switchboard To Panel (Feeder description is not given in plan)	20	LF	10%	22	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
28	400-Y Feeder From Main Switchboard To Panel (Feeder description is not given in plan)	10	LF	10%	11	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
29	40-Y Feeder From Main Switchboard To Ev Charger (Feeder description is not given in plan)	100	LF	10%	110	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
30	90-Y Feeder From Main Switchboard To Ac Unit (Feeder description is not given in plan)	70	LF	10%	77	0.000	0.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
31	Cat5E/Cat6E Cable For Data/Tele Outlet	455	LF	10%	501	0.055	27.53	\$ 100.00	\$ 2,752.75	\$ 0.84	\$ 420.42	\$ 3,173.17
32	Rj6 Coaxial Cable For Tv Outlet	370	LF	10%	407	0.060	24.42	\$ 100.00	\$ 2,442.00	\$ 0.75	\$ 305.25	\$ 2,747.25
33	2#12 Thwn Wire Service For Fire Alarm Devices	1296	LF	10%	1426	0.040	57.02	\$ 100.00	\$ 5,702.40	\$ 0.48	\$ 684.29	\$ 6,386.69
	GROUNDING											
34	Ground Bar	1	EA	0%	1	1.000	1.00	\$ 100.00	\$ 100.00	\$ 122.00	\$ 122.00	\$ 222.00
35	Neutral Bar	1	EA	0%	1	1.000	1.00	\$ 100.00	\$ 100.00	\$ 122.00	\$ 122.00	\$ 222.00
36	1#3/0 Cu Grounding Conductor	10	LF	10%	11	0.063	0.69	\$ 100.00	\$ 69.30	\$ 0.98	\$ 10.78	\$ 80.08

\$ 395,213

	LIGHTING FIXTURE											
37	Halo Commercial, 4" Square Recessed Light, Cooper Lighting Solutions, Prs410D010-S4M12-413	196	EA	0%	196	0.850	166.60	\$ 100.00	\$ 16,660.00	\$ 105.00	\$ 20,580.00	\$ 37,240.00
38	4Ft Led Strip Light, Cooper Lighting Solution - Metalux, 48Snled-Ld5-1881-Lc-Unv-L835-Cdi-U,	2	EA	0%	2	1.000	2.00	\$ 100.00	\$ 200.00	\$ 145.00	\$ 290.00	\$ 490.00
39	Seem 4 Led Suspended, Focal Point, Fsm4Ls-FI-875Lf-35K-1C-Unv, Wh-4Ft, 31Watt	1	EA	0%	1	1.500	1.50	\$ 100.00	\$ 150.00	\$ 166.00	\$ 166.00	\$ 316.00
40	Led Strip Light - Snled Series 8Ft, Cooper Lighting Solution - Metalux, 8Tsnled-Ld5-6081-Lc-Unv	1	EA	0%	1	1.650	1.65	\$ 100.00	\$ 165.00	\$ 188.00	\$ 188.00	\$ 353.00
41	Seem 4 Led Grid Ceiling, Focal Point, Fsm4L-Bw-1000Lf-35K-1C-Unv-Wh-4Ft, 35Watt	32	EA	0%	32	1.450	46.40	\$ 100.00	\$ 4,640.00	\$ 142.00	\$ 4,544.00	\$ 9,184.00
42	Ledelite-Trugroove Recessed, Signify - Langley Ca, 3901L94015Qxx04, 14.8Watt	29	EA	0%	29	1.700	49.30	\$ 100.00	\$ 4,930.00	\$ 122.00	\$ 3,538.00	\$ 8,468.00
43	Fabricated White Painted Metal Housing, Formed White Painted Metal Circuit Board, Each Board	12	EA	0%	12	1.860	22.32	\$ 100.00	\$ 2,232.00	\$ 153.00	\$ 1,836.00	\$ 4,068.00
44	Surface Mounte Downlight, Prudential Lighting, 56Watt Led	2	EA	0%	2	2.500	5.00	\$ 100.00	\$ 500.00	\$ 212.00	\$ 424.00	\$ 924.00
45	Define 4 Direct Recessed With Satin Flush Diffuser, Cooper Lighting Solutions - Neo-Ray, 26.4 W	3	EA	0%	3	1.500	4.50	\$ 100.00	\$ 450.00	\$ 161.00	\$ 483.00	\$ 933.00
46	Exit Light	10	EA	0%	10	1.000	10.00	\$ 100.00	\$ 1,000.00	\$ 111.00	\$ 1,110.00	\$ 2,110.00
	LIGHTING CONTROL											
47	Motor Rated Switch	5	EA	0%	5	0.850	4.25	\$ 100.00	\$ 425.00	\$ 18.00	\$ 90.00	\$ 515.00
48	Low Voltage Dimmer Switch	45	EA	0%	45	0.950	42.75	\$ 100.00	\$ 4,275.00	\$ 24.00	\$ 1,080.00	\$ 5,355.00
49	Ceiling Mounted Occupancy Sensor	56	EA	0%	56	1.500	84.00	\$ 100.00	\$ 8,400.00	\$ 88.00	\$ 4,928.00	\$ 13,328.00
50	Wall Mounted Occupancy Sensor	8	EA	0%	8	1.600	12.80	\$ 100.00	\$ 1,280.00	\$ 102.00	\$ 816.00	\$ 2,096.00
	POWER RECEPTACLE											
51	Duplex Receptacle	103	EA	0%	103	0.550	56.65	\$ 100.00	\$ 5,665.00	\$ 12.00	\$ 1,236.00	\$ 6,901.00
52	Duplex Receptacle-Gfci	21	EA	0%	21	0.290	6.09	\$ 100.00	\$ 609.00	\$ 65.00	\$ 1,365.00	\$ 1,974.00
53	Flush Floor Quad Receptacle	1	EA	0%	1	0.750	0.75	\$ 100.00	\$ 75.00	\$ 18.00	\$ 18.00	\$ 93.00
54	Quad Receptacle	12	EA	0%	12	0.850	10.20	\$ 100.00	\$ 1,020.00	\$ 24.00	\$ 288.00	\$ 1,308.00
55	Special Purpose Receptacle	5	EA	0%	5	0.950	4.75	\$ 100.00	\$ 475.00	\$ 34.00	\$ 170.00	\$ 645.00
	DISCONNECT SWITCH											
56	100Amp, 3-Pole Fused Disconnect Switch	1	EA	0%	1	1.000	1.00	\$ 100.00	\$ 100.00	\$ 72.00	\$ 72.00	\$ 172.00
57	30Amp, 3-Pole Fused Disconnect Switch	12	EA	0%	12	0.800	9.60	\$ 100.00	\$ 960.00	\$ 44.00	\$ 528.00	\$ 1,488.00
58	60Amp, 3-Pole Fused Diconnect Switch	4	EA	0%	4	0.950	3.80	\$ 100.00	\$ 380.00	\$ 60.00	\$ 240.00	\$ 620.00
	PANEL & CIRCUIT BREAKER											
59	Main Switchboard "Msb", 800Amp, 208Y/120V, 4W	1	EA	0%	1	35.000	35.00	\$ 100.00	\$ 3,500.00	\$ 7,392.00	\$ 7,392.00	\$ 10,892.00
60	100Amp, 3-Pole Circuit Breaker	1	EA	0%	1	0.950	0.95	\$ 100.00	\$ 95.00	\$ 44.00	\$ 44.00	\$ 139.00
61	225Amp, 3-Pole Circuit Breaker	1	EA	0%	1	1.300	1.30	\$ 100.00	\$ 130.00	\$ 86.00	\$ 86.00	\$ 216.00
62	400Amp, 3-Pole Circuit Breaker	1	EA	0%	1	1.650	1.65	\$ 100.00	\$ 165.00	\$ 102.00	\$ 102.00	\$ 267.00
63	40Amp, 2-Pole Circuit Breaker	1	EA	0%	1	0.850	0.85	\$ 100.00	\$ 85.00	\$ 28.00	\$ 28.00	\$ 113.00
64	800Amp, 3-Pole Circuit Breaker	1	EA	0%	1	2.000	2.00	\$ 100.00	\$ 200.00	\$ 122.00	\$ 122.00	\$ 322.00
65	90Amp, 3-Pole Circuit Breaker	1	EA	0%	1	1.000	1.00	\$ 100.00	\$ 100.00	\$ 38.00	\$ 38.00	\$ 138.00
66	Panel-P1, 225Amp, 208Y/120V, 3Ph, 4Wire	1	EA	0%	1	22.000	22.00	\$ 100.00	\$ 2,200.00	\$ 2,190.00	\$ 2,190.00	\$ 4,390.00
67	20Amp, 1-Pole Circuit Breaker	23	EA	0%	23	0.450	10.35	\$ 100.00	\$ 1,035.00	\$ 14.00	\$ 322.00	\$ 1,357.00
68	30Amp, 2-Pole Circuit Breaker	5	EA	0%	5	0.650	3.25	\$ 100.00	\$ 325.00	\$ 24.00	\$ 120.00	\$ 445.00
69	60Amp, 3-Pole Circuit Breaker	2	EA	0%	2	0.800	1.60	\$ 100.00	\$ 160.00	\$ 42.00	\$ 84.00	\$ 244.00
70	Panel-P2, 225Amp, 208Y/120V, 3Ph, 4Wire	1	EA	0%	1	22.000	22.00	\$ 100.00	\$ 2,200.00	\$ 2,190.00	\$ 2,190.00	\$ 4,390.00
71	20Amp, 1-Pole Circuit Breaker	34	EA	0%	34	0.000	0.45	\$ 100.00	\$ 45.00	\$ 14.00	\$ 476.00	\$ 521.00
72	20Amp, 2-Pole Circuit Breaker	1	EA	0%	1	0.000	0.55	\$ 100.00	\$ 55.00	\$ 18.00	\$ 18.00	\$ 73.00
73	50Amp, 2-Pole Circuit Breaker	1	EA	0%	1	0.000	0.82	\$ 100.00	\$ 82.00	\$ 34.00	\$ 34.00	\$ 116.00
74	60Amp, 3-Pole Circuit Breaker	1	EA	0%	1	0.000	0.90	\$ 100.00	\$ 90.00	\$ 42.00	\$ 42.00	\$ 132.00
75	Panel-P3, 400Amp, 208Y/120V, 3Ph, 4Wire	1	EA	0%	1	30.000	30.00	\$ 100.00	\$ 3,000.00	\$ 4,120.00	\$ 4,120.00	\$ 7,120.00
76	20Amp, 1-Pole Circuit Breaker	1	EA	0%	1	0.450	0.45	\$ 100.00	\$ 45.00	\$ 12.00	\$ 12.00	\$ 57.00
77	20Amp, 3-Pole Circuit Breaker	7	EA	0%	7	0.550	3.85	\$ 100.00	\$ 385.00	\$ 18.00	\$ 126.00	\$ 511.00
78	35Amp, 2-Pole Circuit Breaker	1	EA	0%	1	0.700	0.70	\$ 100.00	\$ 70.00	\$ 24.00	\$ 24.00	\$ 94.00
79	35Amp, 3-Pole Circuit Breaker	4	EA	0%	4	0.750	3.00	\$ 100.00	\$ 300.00	\$ 32.00	\$ 128.00	\$ 428.00
80	50Amp, 3-Pole Circuit Breaker	1	EA	0%	1	0.800	0.80	\$ 100.00	\$ 80.00	\$ 38.00	\$ 38.00	\$ 118.00
81	60Amp, 3-Pole Circuit Breaker	1	EA	0%	1	0.860	0.86	\$ 100.00	\$ 86.00	\$ 43.00	\$ 43.00	\$ 129.00
	METER											
82	800Amp Meter	1	EA	0%	1	2.000	2.00	\$ 100.00	\$ 200.00	\$ 677.00	\$ 677.00	\$ 877.00
	MISC. ITEMS											
83	Junction Box	7	EA	0%	7	1.000	7.00	\$ 100.00	\$ 700.00	\$ 55.00	\$ 385.00	\$ 1,085.00
	COMMUNICATION OUTLET											
84	Wireless Access Point	7	EA	0%	7	0.600	4.20	\$ 100.00	\$ 420.00	\$ 90.00	\$ 630.00	\$ 1,050.00
85	Combo Data/Telephone Outlet	18	EA	0%	18	0.480	8.64	\$ 100.00	\$ 864.00	\$ 32.00	\$ 576.00	\$ 1,440.00
86	Tv Outlet	5	EA	0%	5	0.540	2.70	\$ 100.00	\$ 270.00	\$ 38.00	\$ 190.00	\$ 460.00
87	Card Reader	4	EA	0%	4	0.850	3.40	\$ 100.00	\$ 340.00	\$ 88.00	\$ 352.00	\$ 692.00

GENERAL SUMMARY

Prepared for: **RIVERSIDE HOMELESS SHELTER**
Project ID: **2800 HULEN PLACE RIVERSIDE, CA 92507**
Scope: **ELECTRICAL**
No. Of Floors: **3 BUILDINGS**
Date: **4-Jul-24**

CONSTRUCTION INC.



BUILDING GSF 20,800

DIVISION NO.		DESCRIPTION	TOTAL DIV. COST
1000		GENERAL REQUIREMENT	\$ -
26000		ELECTRICAL	\$ 395,213
TOTAL TRADE COST			\$ 395,213
OVERHEAD AND PROFIT			15%
MATERIAL MARKUPS			15%
TAX			8.250%
TOTAL TRADE COST			\$ 546,382