



City of Chipley

Land Use Compliance Certificate

Fee Amount \$

100 PD 11/17/24



Verification provided for (Owner's Name): Waffle House Inc. _____

Project Site Address: 1680 Main St. Chipley, FL 32428 _____

Phone Number: 850-638-8270 _____

Contractor Name/Address: PxT Infrastructure Solutions LLC. /461 From Rd. Paramus, NJ 07652

Contractor Phone #: 888-501-3050 _____ Parcel I.D. Number: 00000000-00-2341-0007 _____

City of Chipley Future Land Use Designation

Low Density Residential		Neighborhood Commercial	
Medium Density Residential		Historic Commercial	
High Density Residential		Industrial	
Historic		Recreational	
Commercial	X	Public/Semi Public/Educational	


Flood Zone: _____ Yes ___X___ No Zone

Type ___N/A___

Asbestos: _____ Yes ___X___ No

Scope of work (Please provide details of all work): Installation of (2) new 180 kW DC Fast Chargers with associated equipment for new Electrical service to power the chargers.

A site inspection has been performed on the above development site within the City of Chipley, Florida. It is hereby verified that all site development standards meet the City's land use, zoning and comprehensive planning requirements.



Applicant

11/7/23

Date

City Official Verifying Compliance

Date

Notice to Applicant: This certificate must be presented to the Washington County Building Official and is requisite to issuance of a "Certificate of Occupancy" for your construction project.



Print Receipt	Void Receipt	Close Receipt	UBS	STS	FMS
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Money Received

	Amount	Type	Payment Info
	100.00	PP	VISA: 6413 / AUTH: 149550533

Provider Fees Paid: \$3.00

Distributions

	Type	Amount	Apply To	Description	For	Discount Pen Forgive
	FMSD	100.00	DIST CD: 2550	PLANNING & ZONING FEES		0.00

Operator Code: JANET**Receipt Code:** CD3007693**Receipt Date:** 01/17/24☐ **Voided****Distributions:** 100.00**Money:** 100.00**Change Due:** 0.00 **From:** PAUL MORRISON**Email Address:****Destination Phone:**

IMPORTANT NOTICE

The Property Appraiser makes every effort to produce the most accurate information possible. No warranties, expressed or implied are provided for the data herein, its use or interpretation. The assessment information is from the last certified tax roll. All other data is subject to change. This website is **NOT TO BE USED AS AN OFFICIAL RECORD OR FOR FINANCING PURPOSES, INSURANCE PURPOSES, PROPERTY OWNERSHIP (Deeds are the official record of title), ELIGIBILITY FOR ANY PROGRAM, AND/OR ADDRESS VERIFICATION.** If you need address verification, please contact the E-911 Addressing Coordinator at (850) 638-6325.

Maps have been compiled from the most authentic information available and is to be used for assessment purposes only. Washington County Property Appraiser's Office assumes **NO** responsibility for the errors and/or omission contained herein. **THIS MAP IS NOT A SURVEY**
Washington County, FL

Parcel Summary

Parcel ID	00000000-00-2341-0007
Location Address	1680 MAIN ST CHIPLEY 32428
Brief Tax Description	17 4 13 .60 OR 337 P 613 PRCL DESC IN OR 337 P 613 "DIE" (Note: Not to be used on legal documents.)
Property Use Code	RESTAURANT/CAFE (2100)
Sec/Twp/Rng	17-4-13
Tax District	Chipley (2)
Millage Rate	20.6504
Acreage	0.602
Homestead	N

[View Map](#)

*The Property Use code is a Department of Revenue code. For zoning information please contact the Planning and Zoning department at 850-415-5093.

Owner Information

Primary Owner
WAFFLE HOUSE INC
PO BOX 6450
NORCROSS, GA 30091

Valuation

	2023 Final Values
Building Value	\$116,754
Extra Features Value	\$17,627
Land Value	\$132,500
Land Agricultural Value	\$0
Agricultural (Market) Value	\$0
Just (Market) Value	\$266,881
Assessed Value	\$266,881
Exempt Value	\$0
Taxable Value	\$266,881
Save Our Homes or AGL Amount	\$0

"Just (Market) Value" description - This is the value established by the Property Appraiser for ad valorem purposes. This value does not represent anticipated selling price.

Land Information

Land Use	Number of Units	Unit Type	Frontage	Depth
001000 - COMMERCIAL	125	FF	125	210

Building Information

Type	FAST FOOD	Heat	FORCED AIR DUCTED
Total Area	1,788	Air Conditioning	CENTRAL
Heated Area	1,692	Bathrooms	0
Exterior Walls	CONC BLK; GLASS THRM	Bedrooms	0
Roof Cover	BUILT-UP	Stories	0
Interior Walls	PLASTER; CERAMIC TL	Actual Year Built	1999
Frame Type	MASONRY		
Floor Cover	CORK/VTILE		

Extra Features

Code	Description	Length x Width	Units
1851	ASPHALT PAVING COMM	185 x 65 x	12,025
1857	CONCRETE PAVING COM	78 x 6 x	468
1857	CONCRETE PAVING COM	12 x 12 x	144
1857	CONCRETE PAVING COM	27 x 6 x	162
1857	CONCRETE PAVING COM	36 x 3 x	108
1857	CONCRETE PAVING COM	18 x 15 x	270

Sales

Multi Parcel	Sale Date	Sale Price	Instrument	Book/Page	Vacant/Improved	Grantor	Grantee
N	2/1/1999	\$140,000	WD	337/613	Vacant	APPLEAIR LMTD TO WAFFLE HOUSE	

Tax Collector Site

[Click here to view the Tax Collector website.](#)

Generate Owner List by Radius

Distance:

100

Feet

▼

Use Address From:

☒ Owner

☐ Property

Select export file format:

Address labels (5160)

▼

☒ Show All Owners

☐ Show Parcel ID on Label

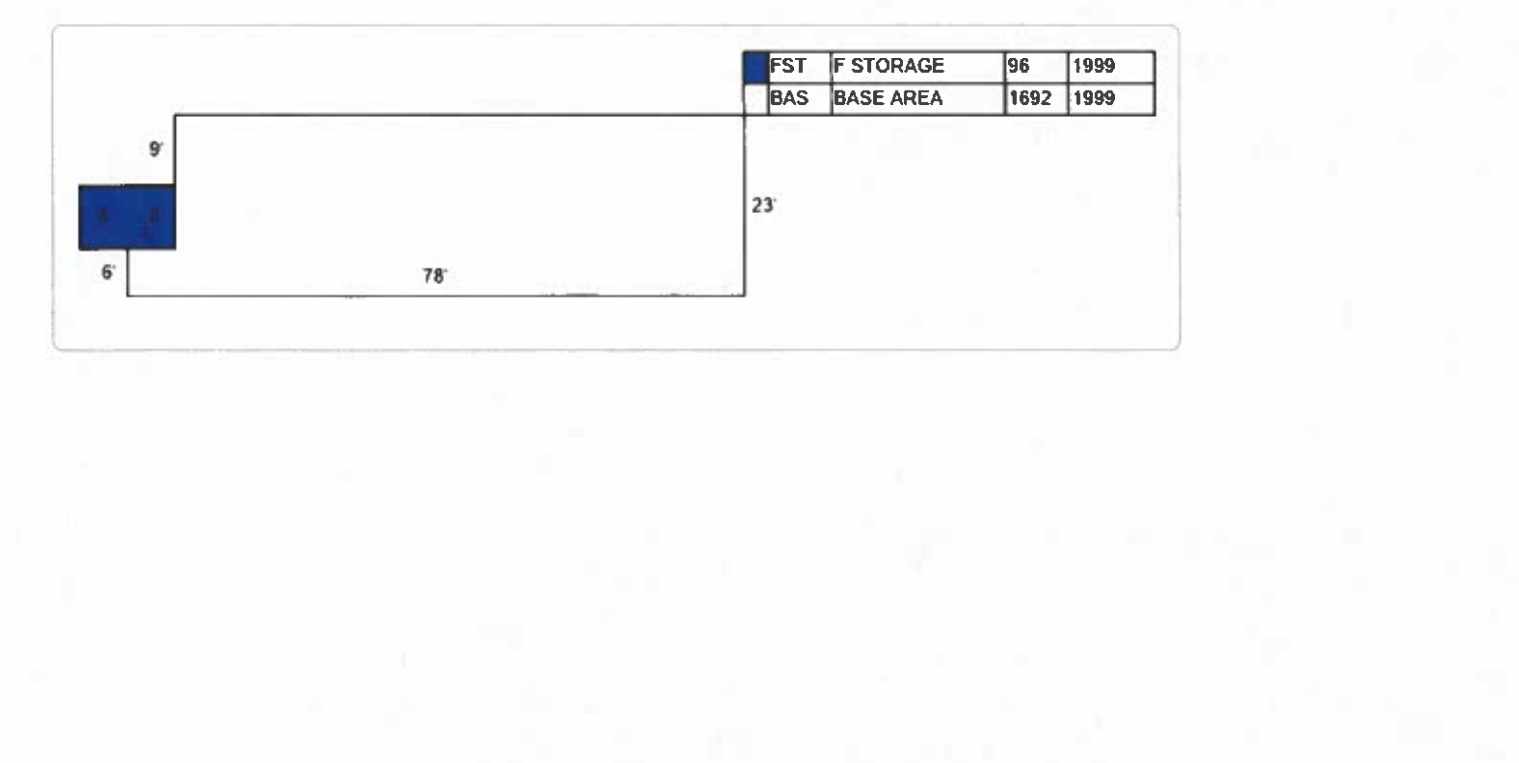
Skip Labels

0

International mailing labels that exceed 5 lines are not supported on the Address labels (5160).
For international addresses, please use the xlsx, csv or tab download formats.

Download

Sketches



Map



Washington County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

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[Last Data Upload: 1/17/2024, 11:10:07 AM](#)

[Contact Us](#)

Developed by



NWFWMD Report

Geographical Information

Latitude/Longitude: 30.75262,-85.55105
 Address: Waffle House, 1680 Main St, Chipley, FL, 32428, USA
 Parcel ID: 00000000-00-2341-0007
 Firm Panel (Preliminary): N/A
 Firm Panel (Effective): 12133C0070D

Effective SFHA Flood Map (Effective Issue Date: 7/4/2011)



Flood Information

Flood Zone Information

Preliminary Flood Zone

Location of Interest: N/A
 Parcel: N/A
 Base Flood Information*: N/A

Effective Flood Zone

Location of Interest: X
 Parcel: X:100%;
 Base Flood Information*: N/A

*The computed elevation to which floodwater is anticipated to rise during the base flood (100 Year Flood). Base Flood Elevations (BFEs) are shown on Flood Insurance Rate Maps (FIRMs) and on the flood profiles. The BFE is the regulatory requirement for the elevation or floodproofing of structures. The relationship between the BFE and a structure's elevation determines the flood insurance premium. Datum of measurement is NAVD1988.

Zone VE: A coastal area inundated by 100-year flooding and subject to a velocity hazard (wave action) where BFEs have been determined. **Zone AE:** An area inundated by 100-year flooding, for which BFEs have been determined. **Zone AO/AH:** An area inundated by 100-year flooding; (AO) Sheet flow, ponding, or shallow flooding where Base Flood Depths are provided; (AH) Shallow flooding base floodplain where BFEs have been determined. **Zone A:** An area inundated by 100-year flooding, for which no BFEs have been determined. **Zone 0.2PCT (0.2 PCT ANNUAL CHANCE FLOOD HAZARD/X500):** An area inundated by 500-year flooding an area inundated by 100-year flooding with average depths of less than 1 foot or with drainage areas less than 1 square mile or an area protected by levees from 100-year flooding. **Zone X:** An area of minimal flood hazard.

Disclaimer: Although derived directly from a variety of sources, including the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Maps (FIRMs), the District's digital elevation model, the counties' digital parcel maps and data from other governmental sources, the data provided through this portal is for informational purposes only. The user is advised to be aware that for flood insurance or regulatory determinations, or for supporting an application for a Letter of Map Change (LOMC), only the official and latest FEMA FIRM and Flood Insurance Study (FIS) report should be consulted. Also, all elevation data submitted in support of a LOMC application must be certified by a licensed land surveyor, engineer, or architect. The NWFWMD, FEMA, its agents, and partners shall not be held responsible for the misuse or misinterpretation of the information presented in this portal.

1680 MAIN ST.
CHIPLEY, FL 32428

* QTY. 2 - TERRA 184 (180kW) DC FAST CHARGING STATIONS (AND REQUIRED INFRASTRUCTURE) AT THE SPECIFIED LOCATIONS

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE GOVERNING LOCAL AUTHORITIES. NOTHING IN THESE PLANS ARE TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

- * FLORIDA BUILDING CODE
- * NATIONAL ELECTRIC CODE 2017

ANY INFORMATION SHOWN ON THE SITE DESIGN PLAN IS FOR SCHEMATIC PURPOSES ONLY. DETAILS INDICATED ON THESE PLANS WAS COMPLETED BASED ON INFORMATION PROVIDED TO RAMAKER AS PART OF A SEPARATE SITE SURVEY PERFORMED BY OTHERS. ANY / ALL EXISTING CONDITIONS (INCLUDING BUT NOT LIMITED TO THE LOCATION OF UTILITY LINES, PROPERTY LINES, SETBACKS, EASEMENTS, ETC.) AND PROPOSED EQUIPMENT INSTALLATION LOCATIONS SHALL BE CONFIRMED AND COORDINATED ON SITE WITH THE PROPERTY OWNER PRIOR TO BEGINNING CONSTRUCTION.

CHARGER LOCATIONS

PAUL MORRISON
DIRECTOR, ENGINEERING & CONSTRUCTION
PXT INFRASTRUCTURE SOLUTIONS
EMAIL: pmorrison@pxt-usa.com

RAMAKER & ASSOCIATES, INC.
855 COMMUNITY DRIVE
SAUK CITY, WI 53563
PHONE: (608) 643-4100
CONTACT: KEITH BOHNSACK
EMAIL: kbohnsack@ramaker.com

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

GENERAL:
A1 TITLE SHEET
A2 GENERAL SPECIFICATIONS
A3 ELECTRICAL SPECIFICATIONS

PLANS:
B1 ENLARGED SITE PLANS
B2 ENLARGED EQUIPMENT & ELECTRICAL SERVICE PLANS
B3 NEC2020 AND GENERAL NOTES
B4 SINGLE LINE DIAGRAM OF ELECTRICAL LAYOUT

DETAILS:

D1	DATASHEET - CHARGING STATION(S)
D2	DATASHEET - SWITCHGEAR CABINET
D3	SITE DETAILS
D4	SITE DETAILS
D5	SITE DETAILS
D6	SITE DETAILS

blink

PxT
INFRASTRUCTURE
SOLUTIONS



(608) 643-4100 www.ramaker.com

C	D10/22/4	REVISED ELECTRICAL DESIGN	
B	8/21/23	REVISED LAYOUT & SWITCHING	
A	8/12/23	REVISED ELECTRICAL DETAILS	
MARK	DATE	DESCRIPTION	
ISSUE	TYPE	PRJ. BINARY	DATE ISSUED 10/10/2023
PROJECT FILE			
CHIPLEY, FL WAFFLE			
HOUSE			
- EV CHARGING INSTALL			
PROJECT INFORMATION			
1680 MAIN ST.			
CHIPLEY, FL 32426			
SHEET TITLE			
TITLE SHEET			
PROJECT NUMBER		59472	
OWNER		A I	

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DRAFT BY: BSW DECEMBER 16, 2020

GENERAL SPECIFICATIONS

1. NOTES TO SUBCONTRACTOR:

- ALL ORIGINAL PERMITS MUST BE POSTED ON SITE BEFORE WORK CAN COMMENCE. ALL PERMITS ARE REQUIRED TO BE IN A NOTICEABLE LOCATION FOR REVIEW BY THE PERMITTING JURISDICTION.
- THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
- IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
- THE SUBCONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- CONSTRUCTION SUBCONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION SUBCONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION SUBCONTRACTOR FURTHER AGREES TO INDemnIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
- ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.
- ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
- ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE LANDOWNER AND THE ENGINEER.
- THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS. SUBCONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.
- SUBCONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
- THE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE.
- CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO THE PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.
- ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
- SEEDING AND MULCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAIN AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
- PERMITS: THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
- RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
- THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR EXISTING UTILITIES BELIEVED TO BE IN THE WORKING AREA. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. THE SUBCONTRACTOR SHALL CONTACT THE LOCAL JURISDICTIONS DIGGERS HOTLINE BEFORE DIGGING OR DRILLING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SUBCONTRACTOR'S EXPENSE.
- ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
- SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
- SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

2. SITE NOTES

- PROMPTLY INFORM THE ENGINEER OF ANY ERROR OR DISCREPANCY DISCOVERED IN THESE DRAWINGS OR SPECIFICATIONS OR CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATIONS IN ORDER THAT ADJUSTMENTS CAN BE MADE.
- THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS AND/OR RIGHT-OF-WAYS ASSOCIATED WITH UTILITIES, ROADS, DRAINAGE AREAS, ETC. SHOWN OR OTHERWISE.
- CONTRACTOR TO REPAIR/REPLACE ANY PORTIONS OF EXISTING SIDEWALK / PARKING LOT DAMAGED BY CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO OWNER.
- ALL DEMOLITION DEBRIS, INCLUDING THAT FROM CLEARING ACTIVITIES TO BE DISPOSED OF OFF SITE AND SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

3. GENERAL

- COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH MANUFACTURER / EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL AND TELEPHONE SERVICES WITH THE PROPERTY REPRESENTATIVE, AND UTILITY COMPANIES. ROUTING OF CONDUITS MAY BE MODIFIED TO MEET SITE REQUIREMENTS. EXACT CONDUIT ROUTING TO BE DETERMINED IN THE FIELD.
- ALL WIRING AND EQUIPMENT SHOWN ON ELECTRICAL SHEETS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL PORTION OF CONTRACT UNLESS OTHERWISE NOTED.
- UNINTERRUPTED ELECTRICAL SERVICE FOR EXISTING EQUIPMENT SHALL BE MAINTAINED DURING THE INSTALLATION OF THE WORK DESCRIBED UNDER THESE DOCUMENTS. TEMPORARY EQUIPMENT, CABLES AND WHATEVER ELSE IS NECESSARY SHALL BE PROVIDED AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE. TEMPORARY SERVICE FACILITIES, IF REQUIRED AT ANY TIME, SHALL NOT BE DISCONNECTED OR REMOVED UNTIL NEW SERVICE EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE OR SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSION IN WRITING STATING THE DATE, TIME, ETC. THE SERVICE WILL BE INTERRUPTED AND THE AREAS AFFECTED. THIS REQUEST SHALL BE MADE IN SUFFICIENT TIME FOR PROPER ARRANGEMENTS TO BE MADE. WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.
- COORDINATE NEW WORK WITH OTHER TRADES AND VERIFY EXISTING CONDITIONS TO AVOID INTERFERENCE.
- THE INSTALLATION MUST COMPLY WITH NEC AND ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS AND RACEWAY ROUTING SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR DIRECTIONS FROM LOCAL AHA (AUTHORITY HAVING JURISDICTION).
- CONTRACTOR SHALL PAY ALL PERMITS AND FEES REQUIRED.
- ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARDS REFERENCED BELOW:
 - ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
 - ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS)
 - ETL (ELECTRICAL TESTING LABORATORY)
 - ICCA (INSULATED CABLE ENGINEERS ASSOCIATION)
 - IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
 - MBFI (NATIONAL BOARD OF FIRE UNDERWRITERS)
 - NESIC (NATIONAL ELECTRICAL SAFETY CODE)
 - NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION)
 - NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
 - UL (UNDERWRITER'S LABORATORY)
- CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADJUST WORK TO CONFORM WITH ACTUAL SITE CONDITIONS SO THAT ELECTRICAL DEVICES AND EQUIPMENT WILL BE LOCATED AND READILY ACCESSIBLE. QUANTITIES LISTED IN MATERIAL LISTS ON THE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE HIS OWN TAKEOFF FOR MATERIAL QUANTITY AND TYPES BASED ON ACTUAL SITE CONDITIONS, IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS TO INSTALL EQUIPMENT FURNISHED BY OTHERS. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) CLIENT'S REPRESENTATIVE OF ANY CONFLICTS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK, IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- ALL FLOORS WHERE PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CORE DRILLED AND THEN FIREPROOFED.

4. JOB COMPLETION

- AT THE COMPLETION OF THE JOB THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL WORK AREA, RESTORING ANY DAMAGED OR DEFACED SURFACES OF FIXTURES OR EQUIPMENT TO THEIR ORIGINAL CONDITION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SYSTEMS UNLESS THE OWNER SPECIFICALLY REQUESTS THAT THEY BE LEFT IN PLACE.
- THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY TEST ALL NEW ELECTRICAL SYSTEMS, INCLUDING THOSE INSTALLED BY OTHERS AND WIRING BY ELECTRICAL CONTRACTOR. CORRECT ALL FAULTY CONDITIONS AT NO EXTRA COST. ALL PANELS SHALL BE BALANCED SO THAT THERE IS NO MORE THAN 10% DIFFERENCE IN PHASE CURRENTS UNDER NORMAL OPERATING CONDITIONS. MODIFY PANEL SCHEDULES AS REQUIRED.
- THE CONTRACTOR SHALL DEMONSTRATE TO THE OWNER THAT ALL ELECTRICAL DEVICES AND SYSTEMS ARE FULLY FUNCTIONAL, AND SHALL GIVE INSTRUCTIONS IN THEIR OPERATION AS REQUESTED.
- THE CONTRACTOR SHALL OBTAIN AND GIVE TO THE OWNER, AN UNDERWRITER'S CERTIFICATE COVERING ALL NEW ELECTRICAL EQUIPMENT. THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES NOTED BY THE INSPECTOR, AT NO EXTRA COST, UNTIL SUCH CERTIFICATE IS RECEIVED.
- ALL WORK SHALL BE GUARANTEED TO BE FULLY OPERATIONAL AND FREE OF DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE.

PREPARED FOR:

blink

PxT

INFRASTRUCTURE SOLUTIONS



RAMAKER
employees owned
(608) 643-4100 www.ramaker.com

Continuation of Sheet

C	DUO BSH4 REVISED ELECTRICAL DESIGN
D	RE: W222 REVISED LAYOUT & SWITCHGEAR
A	REVISIONS REVISED ELECTRICAL DETAILS
DATE	DESCRIPTION
DATE	DATE
10/11/2023	

PROJECT TITLE
CHIPLEY, FL WAFFLE HOUSE
- EV CHARGING INSTALL -

PROJECT INFORMATION
1680 MAIN ST.
CHIPLEY, FL 32426

SHEET TITLE
GENERAL SPECIFICATIONS

PROJECT NUMBER
59472

DRAWING NUMBER
A2

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ELECTRICAL SPECIFICATIONS

1. GENERAL CONDITIONS

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY ELECTRICAL EQUIPMENT NECESSARY TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR INSTALLATION OF ELECTRICAL WORK.
- ALL ELECTRICAL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, UNDERWRITERS LABORATORIES, BOARD OF UNDERWRITERS, OSHA, NFMA, NFPA, MALL STANDARDS AND ALL AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PAY FOR AND OBTAIN ALL REQUIRED PERMITS AND CERTIFICATES OF REQUIRED ORDINANCES, AND DELIVER THEM TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THIS WORK. THE CONTRACTOR SHALL PERFORM THIS PRIOR TO SUBMITTING HIS PROPOSAL. SUBMITTING A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT, OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
- UPON REVIEW OF THE DRAWINGS PRIOR TO SUBMITTING HIS PROPOSAL, THE ELECTRICAL CONTRACTOR SHALL INFORM THE ARCHITECT AND/OR ENGINEER OF ANY DISCREPANCIES WITHIN THE DRAWINGS AND REQUEST CLARIFICATION CONCERNING THE DISCREPANCIES. LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS SHOULD SUCH PROCEDURE NOT BE FOLLOWED.
- THE CONTRACTOR SHALL COORDINATE THIS WORK WITH OTHER CONTRACTORS WHOSE WORK MIGHT AFFECT THIS INSTALLATION. THE CONTRACTOR SHALL ARRANGE ALL PARTS OF THIS WORK AND EQUIPMENT IN PROPER RELATION TO THE WORK AND EQUIPMENT OF OTHERS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDUIT, OUTLET BOXES, POKE-THRU SERVICE FITTINGS REQUIRED TO FACILITATE THE INSTALLATION OF COMMUNICATION WIRING AND DEVICES.
- THE DRAWINGS INDICATE THE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. VERIFY SCALE WITH ARCHITECTURAL DRAWINGS. THE EXACT LOCATION AND ELEVATION OF ALL LIGHTING FIXTURES, SWITCHES, RECEPTACLES, ETC. SHALL BE DETERMINED FROM THE ARCHITECT'S DRAWINGS.

2. SCOPE OF WORK

- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, TOOLS, SUPERVISION, ETC. REQUIRED TO INSTALL COMPLETE OPERATIONAL ELECTRICAL SYSTEMS AS DESCRIBED IN THESE PLANS AND SPECIFICATIONS. SUCH INSTALLATIONS SHALL INCLUDE, BUT ARE NOT SPECIFICALLY LIMITED TO THE FOLLOWING:
- INSTALLATION OF RACEWAY AND CIRCUIT WIRING.
- CUTTING, CHANNELLING, CORING AND CHASING REQUIRED TO ACCOMMODATE THE INSTALLATION OF ELECTRICAL WORK AND ROUGH PATCHING.
- INSTALLATION OF CONDUIT, JUNCTION BOXES, PULL BOXES, ETC. REQUIRED FOR THE AFOREMENTIONED EQUIPMENT.

3. RACEWAYS

- WHERE CONDUIT IS USED, 3/4" MINIMUM CONDUIT SHALL BE PROVIDED.
- ALL CONDUITS INSTALLED OUTDOORS SHALL BE RIGID GALVANIZED WITH THREADED CONNECTIONS. ALL CONDUITS INSTALLED UNDERGROUND OR IN CONCRETE SLABS SHALL BE RIGID PVC WITH A SEPARATE GROUNDING CONDUCTOR AND CONCRETE ENCASMENT WHERE REQUIRED.
- WHEREVER CONDUITS PASS THROUGH FLOORS OR FIRE RATED PARTITIONS, SLEEVES SHALL BE INSTALLED. SLEEVES SHALL BE GROUNDED IN PLACE IN THE SUPPORTING WALL OR FLOOR. THE SPACE BETWEEN THE SLEEVE AND CONDUIT SHALL BE PACKED WITH AN APPROVED, NONCOMBUSTIBLE, FIRE STOPPING MATERIAL. ALL NEW HOLES SHALL BE CORE DRILLED. NO CHOPPING SHALL BE PERMITTED, EXCEPT AS APPROVED BY THE PROJECT MANAGER.
- FLEXIBLE CONDUIT SHALL BE USED TO MAKE FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, RECESSED LIGHTING FIXTURES, EXPANSION JOINTS OR WHERE THE INSTALLATION OF RIGID CONDUIT IS IMPRACTICAL.
- INSTALL CONDUIT CONTINUOUS BETWEEN BOXES AND CABINETS WITH NO MORE THAN FOUR 90 DEGREE BENDS. SECURELY FASTEN IN PLACE WITH STRAPS, HANGERS, AND STEEL SUPPORTS AS REQUIRED.

4. PANELBOARDS

- A TYPEWRITTEN DIRECTORY OF CIRCUITS SHALL BE INSTALLED INSIDE OF EACH PANELBOARD DOOR. THE LIST SHALL INCLUDE AS-BUILT CONDITIONS INCLUDING ALL TYPES OF DEVICES SERVED BY EACH CIRCUIT. EACH PANEL SHALL BE EXTERNALLY TAGGED WITH PERMANENT PHENOLIC PLATE INDICATING PANEL IDENTIFICATION AND VOLTAGE.
- PHASE LEGS OF PANELS SHALL BE BALANCED. ANY PANEL FOUND WITH UNBALANCED LOADS SHALL HAVE ITS CIRCUITS REARRANGED AS REQUIRED TO BALANCE PHASE LEGS.
- CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE. CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER AND BE COMPATIBLE WITH THE PANELBOARD.
- CIRCUIT BREAKERS SHALL BE QUICK-MAKE, QUICK-BREAK COMPENSATED FOR AMBIENT TEMPERATURES AND SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000 AMPERES SYMMETRICAL OR HIGHER WHERE NOTED ON PANEL SCHEDULE.
- CIRCUIT BREAKERS SHALL BE OF THE "THERMAL-MAGNETIC" TYPE HAVING BIMETALLIC ELEMENT FOR TIME DELAY OVERLOAD PROTECTION AND MAGNETIC ELEMENT FOR SHORT CIRCUIT PROTECTION.
- CIRCUIT BREAKERS AND FUSES SHALL BE SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EQUIPMENT BEING SERVED. VERIFY EQUIPMENT REQUIREMENTS AS NECESSARY PRIOR TO INSTALLATION OF BRANCH CIRCUIT OVERCURRENT PROTECTION.

5. DISCONNECT SWITCHES

- THE CONTRACTOR SHALL SUPPLY AND INSTALL DISCONNECT SWITCHES AS SHOWN ON THE PLANS, OR AS OTHERWISE REQUIRED BY CODE, WHETHER SHOWN ON PLANS OR NOT.
- ALL SWITCHES SHALL BE HEAVY DUTY QUICK-MAKE QUICK-BREAK TYPE, RATED AS REQUIRED. EACH SWITCH SHALL HAVE A SUFFICIENT NUMBER OF POLES TO INTERRUPT ALL UNGROUNDED CONDUCTORS.
- UNLESS OTHERWISE NOTED, INDOOR SWITCHES SHALL BE PROVIDED WITH NEMA 1 ENCLOSURES, OUTDOOR SWITCHES WITH NEMA 3R ENCLOSURES.

6. WIRE AND CABLE

- ALL CONDUCTORS SHALL BE SOFT ANNEALED 99% PURE INSULATED COPPER. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION AND RATED 90 DEGREE CELCIUS UNLESS OTHERWISE NOTED. SERVICE ENTRANCE CONDUCTORS SHALL BE TYPE USE-2, RHW-2 OR XHHW-2.
- THE MINIMUM WIRE SIZE FOR BRANCH CIRCUITS SHALL BE #12 AWG. LAYOUT OF BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS SHALL BE FOR MAXIMUM ECONOMY AND EFFICIENCY.
- FACTORY COLOR CODING SHALL CONFORM TO THE BUILDING STANDARD OR AS REQUIRED BY THE UTILITY COMPANY.
- TAG ALL FEEDERS IN ALL PULL BOXES AND IN ALL GUTTER SPACE AND WIREWAYS THROUGH WHICH THEY PASS.

7. PULL BOXES, JUNCTION BOXES AND OUTLET BOXES

- PULL BOXES, JUNCTION BOXES AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD GAUGE SHEET STEEL.
- PROVIDE PULL BOXES AND JUNCTION BOXES IN RACEWAYS TO ASSURE THAT CABLES ARE NOT DAMAGED WHEN THEY ARE PULLED AND TO FULFILL MINIMUM CODE REQUIREMENTS.
- PULL BOXES AND JUNCTION BOXES SHALL BE SIZED SO THAT THE MINIMUM BENDING RADII CRITERIA SPECIFIED FOR THE WIRES AND CABLE ARE MAINTAINED.
- PROVIDE AND INSTALL ALL REQUIRED JUNCTION AND PULL BOXES REGARDLESS WHETHER INDICATED ON DRAWINGS OR NOT.

8. GROUNDING

- ALL ELECTRICAL SYSTEMS SHALL BE GROUNDED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, THE LOCAL UTILITY COMPANY AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION. PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUITS, SUPPORTS, CABINETS, PANELBOARDS AND SYSTEM GROUNDING NEUTRAL.
- A SEPARATE GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FLEXIBLE AND NONMETALLIC CONDUITS SIZED IN ACCORDANCE WITH THE EQUIPMENT GROUNDING CONDUCTOR TABLE OF THE NATIONAL ELECTRICAL CODE.
- GROUND CLAMPS SHALL BE LISTED SPECIFICALLY FOR GROUNDING. WHERE GROUNDING CONDUCTOR IS ENCLOSED IN CONDUIT, GROUND CLAMP SHALL GROUND BOTH CONDUCTOR AND CONDUIT.
- ALL GROUND CONNECTIONS TO BUILDING SHALL BE MADE USING TWO-HOLE CONNECTORS. PROVIDE STAINLESS STEEL BOLTS AND LOCK WASHERS ON ALL MECHANICAL GROUND CONNECTIONS.
- ALL EQUIPMENT SURFACES TO BE BONDED TO GROUNDING SYSTEM SHALL BE STRIPPED OF ALL PAINT AND DIRT. CONNECTIONS TO VARIOUS METALS SHALL BE OF A TYPE AS TO CAUSE A GALVANIC OR CORROSIVE REACTION. AREA SHALL BE REPAINTED FOLLOWING BONDING.
- ANY METALLIC ITEM WITHIN 6" OF GROUND CONDUCTORS MUST BE CONNECTED TO THE GROUNDING SYSTEM.
- EXTERIOR, ABOVE GRADE GROUND CONNECTIONS SHALL BE FURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTI-OXIDE COMPOUND.
- ALL MATERIALS AND LABOR REQUIRED FOR THE GROUNDING SYSTEM AS INDICATED ON THE PLANS AND DETAILS, AND AS DESCRIBED HEREIN SHALL BE FURNISHED BY THIS CONTRACTOR UNLESS OTHERWISE NOTED.
- PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE. BONDING JUMPS WITH APPROVED GROUND FITTINGS SHALL BE INSTALLED AT ALL RACEWAYS, EQUIPMENT ENCLOSURES, PULL BOXES, ETC. TO MAINTAIN GROUND CONTINUITY WHERE REQUIRED BY CODE.

9. GENERAL ELECTRICAL SERVICE NOTES

- ALL ELECTRICAL SYSTEMS SHALL BE GROUNDED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, THE LOCAL UTILITY COMPANY AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION. PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUITS, SUPPORTS, CABINETS, PANELBOARDS AND SYSTEM GROUNDING NEUTRAL.
- SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS MUST BE LEGIBLY FIELD-MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT, INCLUDING THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. (PER ARTICLE 110.24(A) OF THE NEC)
- CODE REQUIRED CLEARANCES IN FRONT OF AND AROUND ALL SERVICE EQUIPMENT MUST BE MAINTAINED AT ALL TIMES (PER ARTICLE 110 OF THE NEC)

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Continued on Next

C	10/08/24	REVISED ELECTRICAL DESIGN
B	08/15/23	REVISED LAYOUT & SWITCHGEAR
A	11/28/22	REVISED ELECTRICAL DETAILS

DATE	DESCRIPTION
01/01/2023	PROJECT START
01/01/2023	PROJECT END

PROJECT TITLE
**CHIPLEY, FL WAFFLE
HOUSE
- EV CHARGING INSTALL -**

PROJECT INFORMATION
1680 MAIN ST.
CHIPLEY, FL 32428

SHEET TITLE
ELECTRICAL SPECIFICATIONS

PROJECT NUMBER	59472
ISSUE	A3

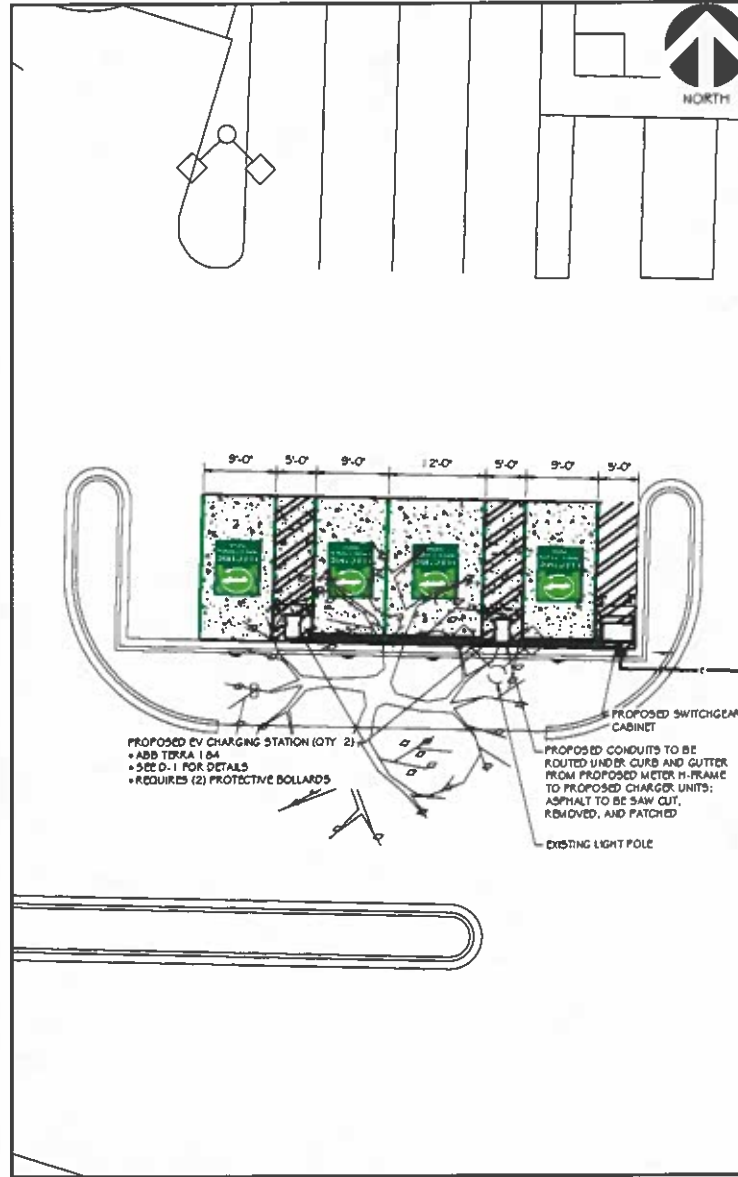
EXISTING SITE INFORMATION

ANY INFORMATION SHOWN ON THE SITE DESIGN PLAN IS FOR SCHEMATIC PURPOSES ONLY. DETAILS INDICATED ON THESE PLANS WAS COMPLETED BASED ON INFORMATION PROVIDED TO RAMAKER AS PART OF A SEPARATE SITE SURVEY PERFORMED BY OTHERS. ANY / ALL EXISTING CONDITIONS (INCLUDING BUT NOT LIMITED TO THE LOCATION OF UTILITY LINES, PROPERTY LINES, SETBACKS, EASEMENTS, ETC.) AND PROPOSED EQUIPMENT INSTALLATION LOCATIONS SHALL BE CONFIRMED AND COORDINATED ON SITE WITH THE PROPERTY OWNER PRIOR TO BEGINNING CONSTRUCTION.



AERIAL SITE PLAN

Scale: 1" = 50' 1



EQUIPMENT PLAN

Scale: 1" = 15' 2

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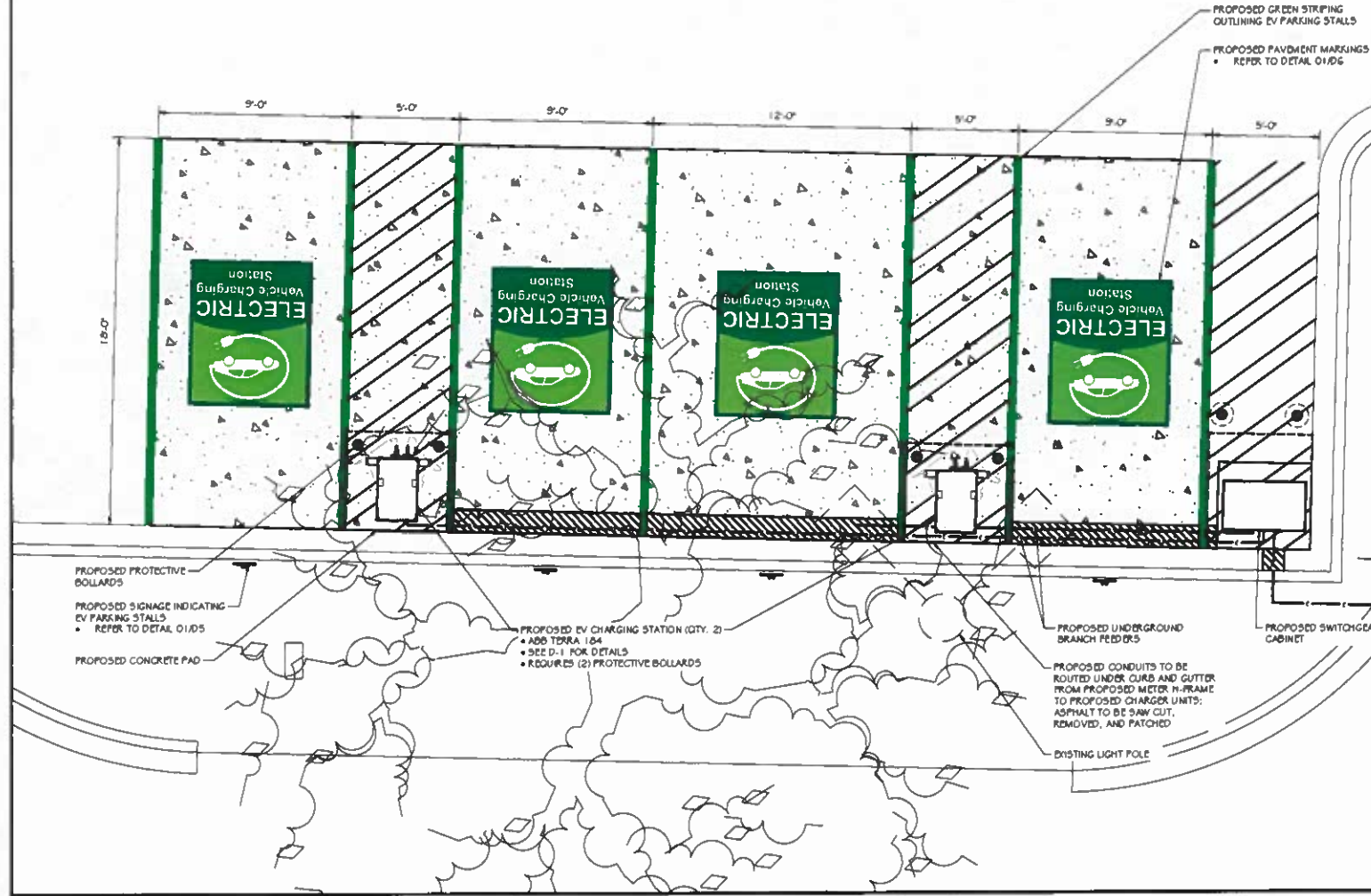
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C	01/09/24	REVISED ELECTRICAL DESIGN
B	12/19/23	REVISED LAYOUT & SWITCHGEAR
A	11/29/23	REVISED ELECTRICAL DETAILS
DATE	DESCRIPTION	DATE
01/09/24	PRELIMINARY	01/09/2023
PROJECT FILE		
CHIPLEY, FL WAFFLE HOUSE		
- EV CHARGING INSTALL -		
PROJECT INFORMATION		
1630 MAIN ST.		
CHIPLEY, FL 32426		

SHEET TITLE
ENLARGED SITE PLANS

SCALE:
AS NOTED

PROJECT NUMBER 59472
SHEET NUMBER B1



ENLARGED EQUIPMENT PLAN

Scale: 1" = 5'

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Continuation of Sheet

C	PROPOSED	REVISED ELECTRICAL DESIGN		
B	REVISION	REVISED UNDERGROUND SWITCHGEAR		
A	REVISION	REVISED ELECTRICAL DESIGN		
DATE	DESCRIPTION	DATE	ISSUED	BY
01/08/2023	PROJ. INITIATION	01/08/2023		
PROJECT TITLE				
CHIPLEY, FL WAFFLE HOUSE				
- EV CHARGING INSTALL -				
PROJECT INFORMATION				
1680 MAIN ST.				
CHIPLEY, FL 32428				
SHEET TITLE				
ENLARGED EQUIPMENT & ELECTRICAL SERVICE PLANS				
SCALE:				
AS NOTED				
PROJECT NUMBER				
59472				
SHEET NUMBER				
B2				

NECNOTES PER SECTION
DUO SWITCHGEAR PANEL

825.41
OVERCURRENT PROTECTION
ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) INCLUDING BIDIRECTIONAL EVSE AND WIRELESS EQUIPMENT (WPT) MUST BE SIZED NO LESS THAN 125% OF MAXIMUM LOAD OF THE ELECTRIC VEHICLE SUPPLY EQUIPMENT
880.13 b) & 705.12 b) (3)2
A WARNING PLAQUE MUST BE INSTALLED THAT READS:
PV SYSTEM DISCONNECT: DO NOT RE-LOCATE THIS OVERCURRENT DEVICE

705.10
A PERMANENT PLAQUE MUST BE INSTALLED TO INDICATE THE LOCATION OF EACH POWER SOURCE
CAUTION:
MULTIPLE SOURCES OF POWER:
SOLAR POWER DISCONNECT LOCATED AT PV CANOPY MAIN MAST
BATTERY POWER DISCONNECT LOCATED AT BATTERY ENCLOSURE SIDE

705.11 a)
THE SUM OF THE SUPPLY-SIDE POWER SOURCE OUTPUT CURRENT RATINGS, ARE NOT PERMITTED TO EXCEED THE AMPACITY OF THE SERVICE CONDUCTORS.

705.12
ELECTRIC POWER SOURCE OUTPUT CIRCUITS ARE PERMITTED TO BE CONNECTED TO THE LOAD SIDE SERVICE EQUIPMENT.

705.12 c)
PLACE MARKING IN EQUIPMENT THAT READS:
PANEL BOARD IS ENERGIZED FROM TWO SOURCES OF AC POWER
BATTERY 100AMP
SOLAR 5-42AMP
705.12 b) (3)1
THE FEEDER AMPACITY MUST NOT BE LESS THAN THE SUM OF THE PRIMARY SOURCE OVERCURRENT DEVICE PLUS 125%
OF THE POWER SOURCES OUTPUT CURRENT RATING
FEEDER=18A+(7*1.25)=15.42A
FEEDER=420A
705.12 b) (3)1
BUSBAR=18A+(7*1.25)=15.42A
BUSBAR=420A

705.30 a)
POWER SOURCE OUTPUT CIRCUIT CONDUCTORS MUST BE PROVIDED WITH OVERCURRENT PROTECTION

EVERCO 805-80128A GESS CABINET

705.11 b)
SUPPLY-SIDE POWER SOURCE OUTPUT CIRCUIT CONDUCTORS MUST BE SIZED IN ACCORDANCE WITH 705.28 BUT MUST NOT BE SMALLER THAN 8AWG COPPER

250.8
OBJECTIONABLE CURRENT
ARRANGED TO PREVENT OBJECTIONABLE CURRENT ELECTRICAL SYSTEMS AND EQUIPMENT MUST BE INSTALLED IN A MANNER THAT PREVENTS NEUTRAL OR CIRCUIT CURRENT FROM FLOWING ON METAL PARTS.

250.24 c) 7); 250.122 f)
PARALLEL CONDUCTORS
WHERE CIRCUIT CONDUCTORS ARE INSTALLED IN PARALLEL IN ACCORDANCE WITH 310.15 C) AN EQUIPMENT GROUNDING CONDUCTOR OF THE WIRE TYPE MUST BE INSTALLED IN EACH RACEWAY.

705.28 b) 3) 2)
NEUTRAL CONDUCTOR USED SOLELY FOR INSTRUMENTATION PERMITTED TO BE SIZED IN ACCORDANCE WITH TABLE 250-100 C)1

250.28 d)
MAIN AND SYSTEM BONDING JUMPERS OF THE WIRE TYPE MUST NOT BE SIZED SMALLER THAN THE SPECIFIED IN TABLE 250-102 C)1, BASED ON THE SIZE / AREA OF THE PHASE CONDUCTOR

250.142 b)
THE NEUTRAL CONDUCTOR IS NOT PERMITTED TO BE CONNECTED TO THE EQUIPMENT GROUNDING CONDUCTOR ON THE LOAD SIDE OF THE SERVICE DISCONNECT

THE NEUTRAL SWITCH IS OPEN WHEN THE GRID IS AVAILABLE AND VICE VERSA.

SOLAR CARPORT

690.8 b)
THE MAX PV SOURCE CIRCUIT DC CURRENT IS EQUAL TO THE SHORT-CIRCUIT CURRENT RATINGS MARKED ON THE MODULES IN PARALLEL X 125%
MAX PV SOURCE CIRCUIT CURRENT = 12.08A X 125% = 15.11A X 4= 61.45A

690.8 b)1)
PV CIRCUIT CONDUCTOR MUST HAVE AN AMPACITY OF NO LESS THAN 125% OF THE CURRENT AS DETERMINED BY 690.8 A)

SOLAR CARPORT (CONTD)

690.8 b)1)
PV OUTPUT CIRCUIT WITHOUT CORRECTION AND ADJUSTMENT AMPACITY=(80.45A)(125%)+75.56A
4AWG RATED 85A AT 75C (TABLE 310.15 B)16)
690.8 b)2) PV OUTPUT CIRCUIT WITH CORRECTION AND ADJUSTMENT
TEMPERATURE 31-40 C = 0.88% AT 75C
3 CURRENT-CARRYING CONDUCTORS = 100% (TABLE 310.15 C)1)
4AWG AMPACITY = 85A(0.88X1)+74.8A
NOT OK FOR 75.56A
2 AWG = 115A(0.88X1)+101.2A
OK FOR 75.56A

690.8 b)1)
INVERTER OUTPUT CIRCUIT SIZING
CONDUCTOR AMPACITY = INVERTER NAMEPLATE RATING X 125%
AMPACITY=(2.17A)(125%)+2.71A
4AWG RATED 20A AT 75C (TABLE 310.15 B)16)
690.8 b)2) PV OUTPUT CIRCUIT WITH CORRECTION AND ADJUSTMENT
TEMPERATURE 31-40 C = 0.88% AT 100% (TABLE 310.15 C)1)
4AWG AMPACITY = 20A(0.88X1)+17.6A
OK FOR 2.71A
AND OK FOR 2 INVERTERS 5.42A

690.8 b)
OVERCURRENT DEVICE RATING FOR PVDC MUST BE LISTED FOR PV SYSTEMS

705.40
LISTED INTERACTIVE INVERTER
WHEN ONE OR MORE PHASES OPEN, THE POWER PRODUCTION MUST AUTOMATICALLY DISCONNECT FROM ALL PHASES UNTIL ALL THE PHASES ARE RESTORED.

TRANSFORMER 800 VOLTS

450.30
TRANSFORMERS HAVING A SECONDARY VOLTAGE NOT EXCEEDING 1000V WITH PRIMARY OVERCURRENT PROTECTION ONLY MUST HAVE THE PRIMARY OVERCURRENT PROTECTIVE DEVICE SIZED IN ACCORDANCE WITH THE TABLE 450.3 B)
PRIMARY PROTECTION FOR TRANSFORMER OVER 1A IS SIZED AT 125% OF THE PRIMARY CURRENT.

450.14
A TRANSFORMER MUST HAVE A DISCONNECT LOCATED WITHIN 8' OF THE TRANSFORMER UNLESS THE DISCONNECT LOCATION IS FIELD MARKED ON THE TRANSFORMER AND THE DISCONNECT IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION IN ACCORDANCE WITH 110.25

ELECTRICAL SERVICE EQUIPMENT NOTES

SINGLE LINE DIAGRAM IS FOR REFERENCE PURPOSES ONLY. CONSULT WITH L&T DIGITAL ENERGY SOLUTIONS ALONG WITH THE EQUIPMENT MANUFACTURERS / SUPPLIERS FOR SPECIFIC INTEGRATION REQUIREMENTS BETWEEN COMPONENTS.

CURRENT TRANSFORMERS MAY BE LOCATED INTERNAL TO THE TRANSFORMER ENCLOSURE AND MAY NOT REQUIRE STAND ALONE ENCLOSURE. VERIFY WITH LOCAL UTILITY COMPANY PRIOR TO BEGINNING INSTALLATION.

SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS MUST BE LEGIBLY FIELD-MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT, INCLUDING THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. (PER ARTICLE 110.24A) OF THE NEC.

THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREES TOTAL) BETWEEN PULL POINTS, FOR EXAMPLE, CONDUIT BODIES AND BOXES BODIES AND CONDUIT BODIES USED AS PULL OR JUNCTION BOXES SHALL COMPLY WITH ARTICLE 314.28 OF THE NEC.

THE TRANSFORMER SHALL BE MOUNTED OFF THE GROUND (FOR RAIN PURPOSES) AND A MINIMUM OF 6" OFF OF THE WALL (VERIFY MANUFACTURER VENTILATION REQUIREMENTS - PER ARTICLE 450.3 OF THE NEC)
CODE REQUIRED CLEARANCES IN FRONT OF AND AROUND ALL SERVICE EQUIPMENT MUST BE MAINTAINED AT ALL TIMES (PER ARTICLE 110) OF THE NEC.

ALL WORK WILL COMPLY WITH 2020 NEC.

ALL ENCLOSURES MUST BE NEMA 3R RATED.

MB - NEUTRAL BUS, OB - GROUND BUS, MBJ - MAIN BONDING JUMPER AS PER NEC.

PV & BATTERY LOAD DISCONNECT SWITCHES SHOULD BE IN SEPARATE ENCLOSURES, EXTERNAL, ACCESSIBLE, LOCKABLE WITH A KEA PADLOCK AND NEAR THE METER. PV DISCONNECTS ARE REQUIRED TO BE AC (AT FACILITY VOLTAGE) AND MUST BE A SWITCH OR BREAKER. BATTERY LOAD DISCONNECT CAN EITHER BE AC OR DC (48 VDC OR BELOW) AND LOW VOLTAGE RAPID SHUTDOWN DEVICES ARE ALLOWED. IF THE DISCONNECT SWITCH CANNOT BE LOCATED VISIBLY REASONABLY NEAR THE METER, ENSURE THERE IS A SIGN (PROVIDED BY THE CONTRACTOR) AT THE METER (RED, APPROXIMATELY 8"X4", W/ WHITE LETTERING MADE OF METAL, HARD PLASTIC OR WEATHERPROOF VINYL) INDICATING WHERE THE DISCONNECT SWITCH IS LOCATED EXTERNALLY AND ACCESSIBLY ON THE BUILDING, THE DESCRIPTION ON THE SIGN MAY BE TEXT OR A VISUAL DEPICTION AND THE SWITCH WILL STILL NEED TO MEET THE OTHER ABOVE STATED

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Continuation of Sheet

NO.	DATE	DESCRIPTION	DATE ISSUED	OF
1	01/02/24	REVISED ELECTRICAL DESIGN		1
2	01/02/24	REVISED LAYOUT & SWITCHGEAR		1
3	01/02/24	REVISED ELECTRICAL DETAILS		1

CHIPLEY, FL WAFFLE
HOUSE
- EV CHARGING INSTALL -
PROJECT INFORMATION
1680 MAIN ST.
CHIPLEY, FL 32428

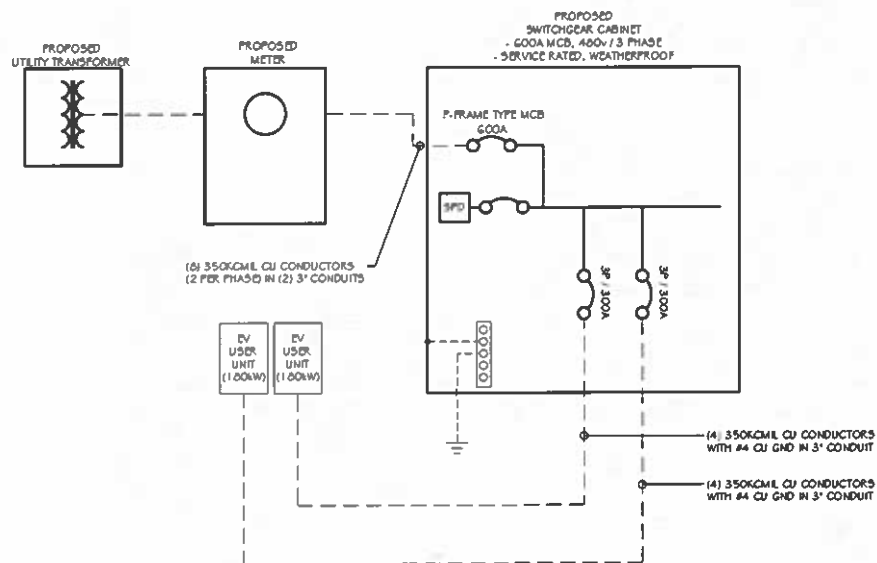
SHEET TITLE
NEC2020 AND
GENERAL NOTES

SCALE:
AS NOTED

PROJECT NUMBER
59472
DATE
B3

NEC2020 AND GENERAL NOTES

n.t.s.



SINGLE LINE DIAGRAM OF ELECTRICAL LAYOUT

n.t.s.

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Continued on p. 25

C	01/02/24	REVISED ELECTRICAL DESIGN
D	28/12/23	REVISED LAYOUT + SWITCHGEAR
A	1/2/23	REVISED ELECTRICAL DETAILS
MARKS	DATE	DESCRIPTION
ISSUE	PRELIMINARY	DATE 10/10/2023

PROJECT NAME
CHIPLEY, FL WAFFLE
HOUSE
- EV CHARGING INSTALL -
PROJECT INFORMATION
1680 MAIN ST.
CHIPLEY, FL 32426

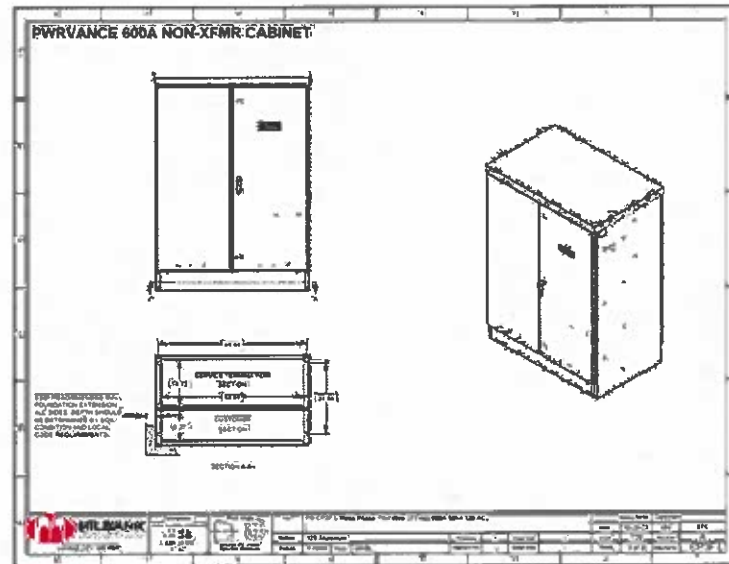
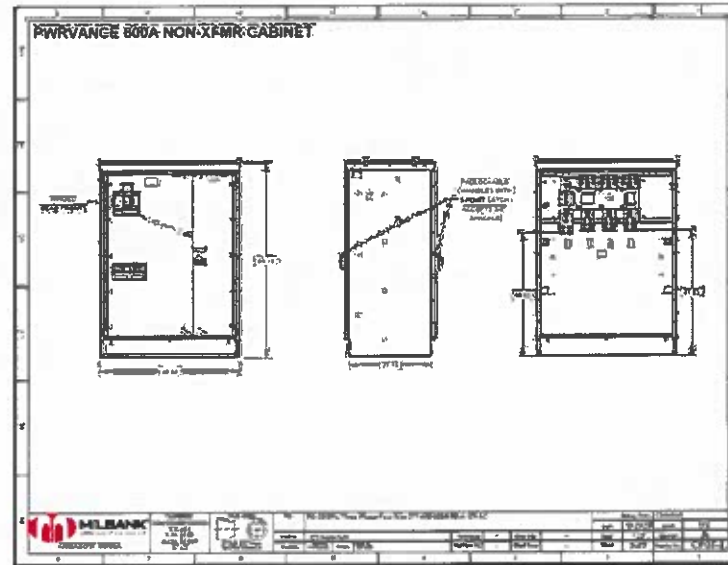
SHEET TITLE

SINGLE LINE DIAGRAM OF
ELECTRICAL LAYOUT

SCALE:
AS NOTED

PROJECT NUMBER	59472
SHEET NUMBER	B4

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SWITCH GEAR DATA SHEET

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C	01/02/24	REVISED ELECTRICAL DESIGN
B	01/02/23	REVISED LAYOUT & SWITCHGEAR
A	01/02/23	REVISED ELECTRICAL DETAILS
MARK	DATE	DESCRIPTION
ISSUE PHASE	PRELIMINARY	DATE ISSUED 10/01/2023

PROJECT TITLE
CHIPLEY, FL WAFFLE
HOUSE
- EV CHARGING INSTALL

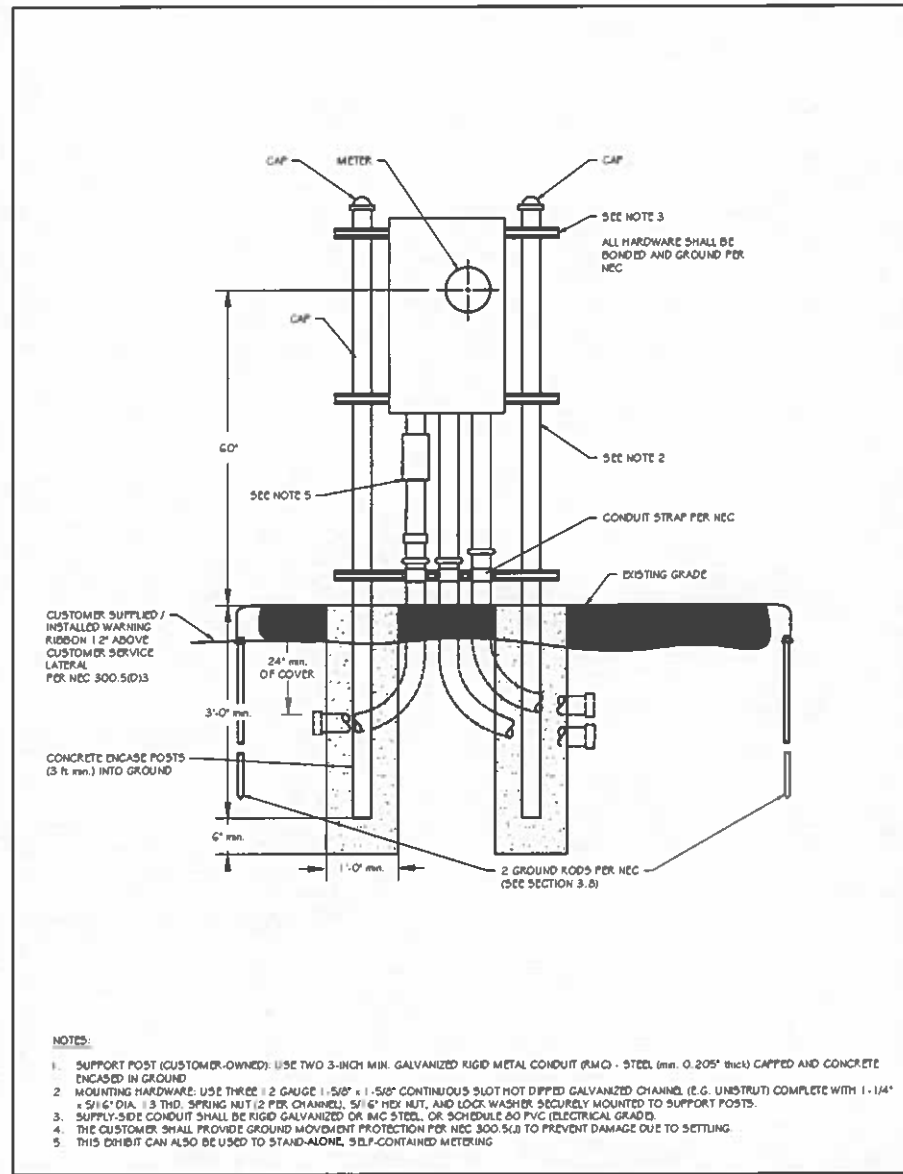
PROJECT INFORMATION
1680 MAIN ST.
CHIPLEY, FL 32428

SHEET TITLE

DATA SHEETS
- SWITCHGEAR CABINET -

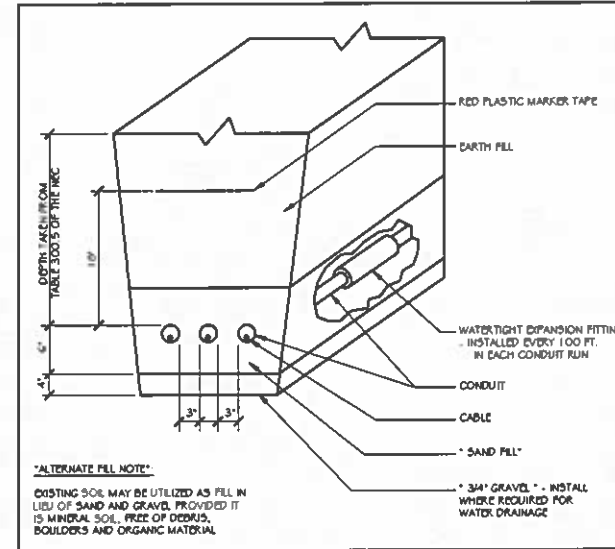
SCALE:
AS NOTED

PROG	59472
ISSU	D2



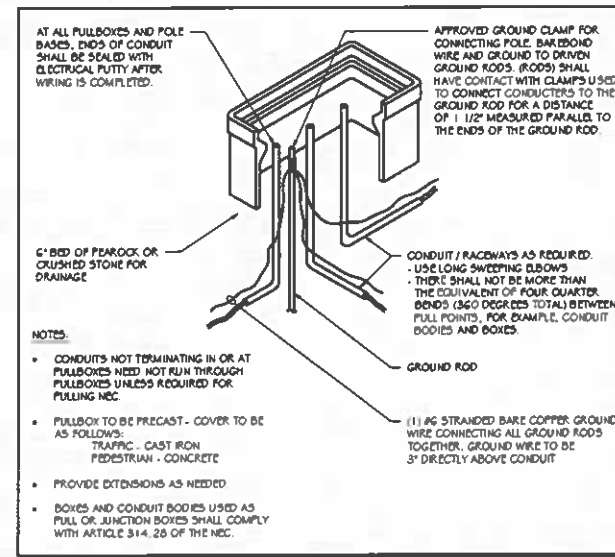
GENERAL UTILITY UNDERGROUND SERVICE INSTALLATION

n.t.s. 1



TYPICAL CONDUIT BURIAL DEPTH REQUIREMENTS

n.t.s. 2



TYPICAL ELECTRICAL PULL-BOX REQUIREMENTS

n.t.s. 3

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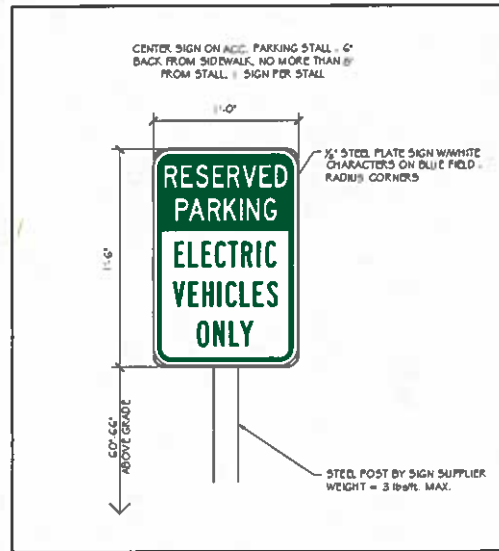
Continuation of Sheet

MARK	DATE	DESCRIPTION	DATE	BY
C	01/02/24	REVISED ELECTRICAL DESIGN		
D	01/02/24	REVISED LAYOUT & SWITCHGEAR		
A	01/02/24	REVISED ELECTRICAL DETAILS		
DATE	01/02/24	DATE	01/02/24	
PROJECT TITLE	CHIPLEY, FL WAFFLE HOUSE - EV CHARGING INSTALL			
PROJECT INFORMATION	1680 MAIN ST. CHIPLEY, FL 32426			

SHEET TITLE
SITE DETAILS

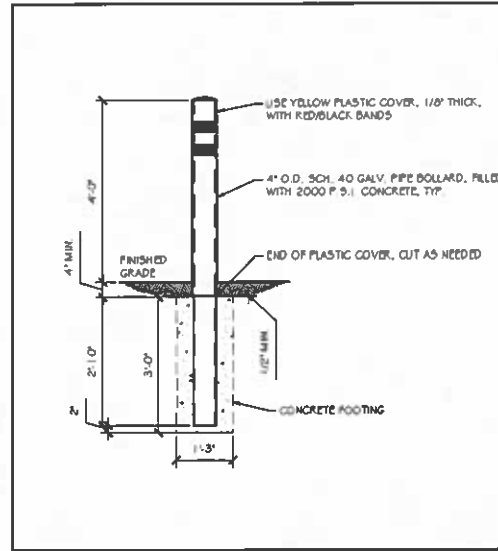
SCALE:
AS NOTED

PROJECT NUMBER
59472
DRAWING NUMBER
D3



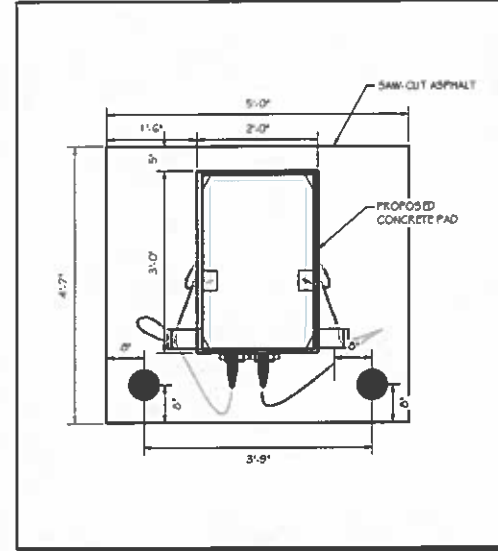
EV CHARGING SIGNAGE DETAIL

n.t.s. | 1



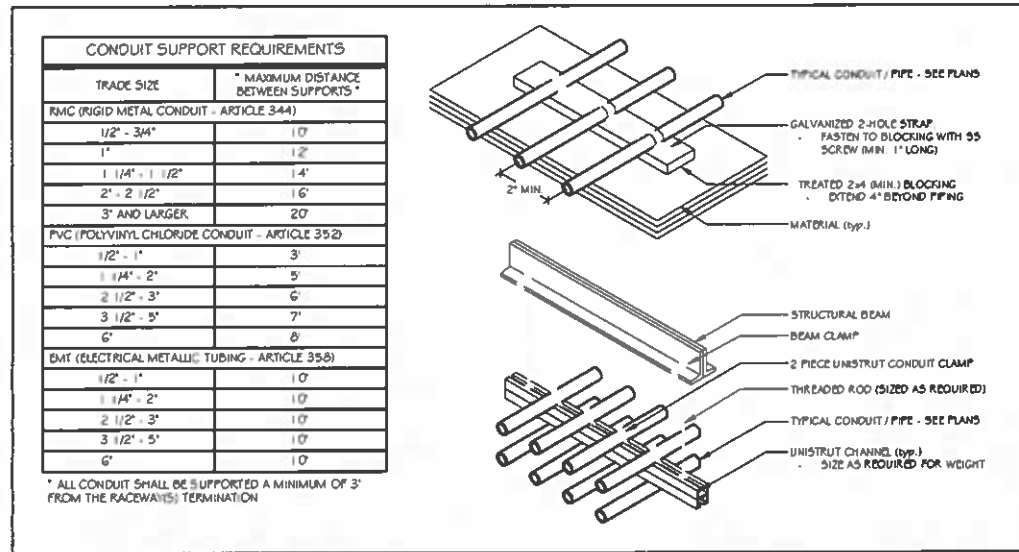
TYPICAL BOLLARD DETAIL

n.t.s. | 2



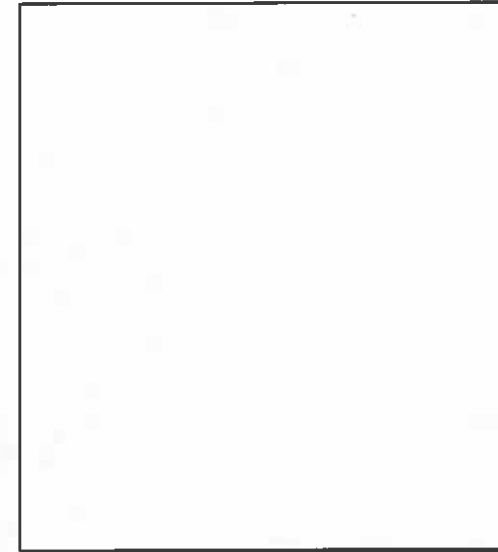
CONCRETE PAD PLAN DETAILS

n.t.s. | 3



CONDUIT SUPPORT REQUIREMENTS

n.t.s. | 4



DETAIL NOT USED

n.t.s. | 5

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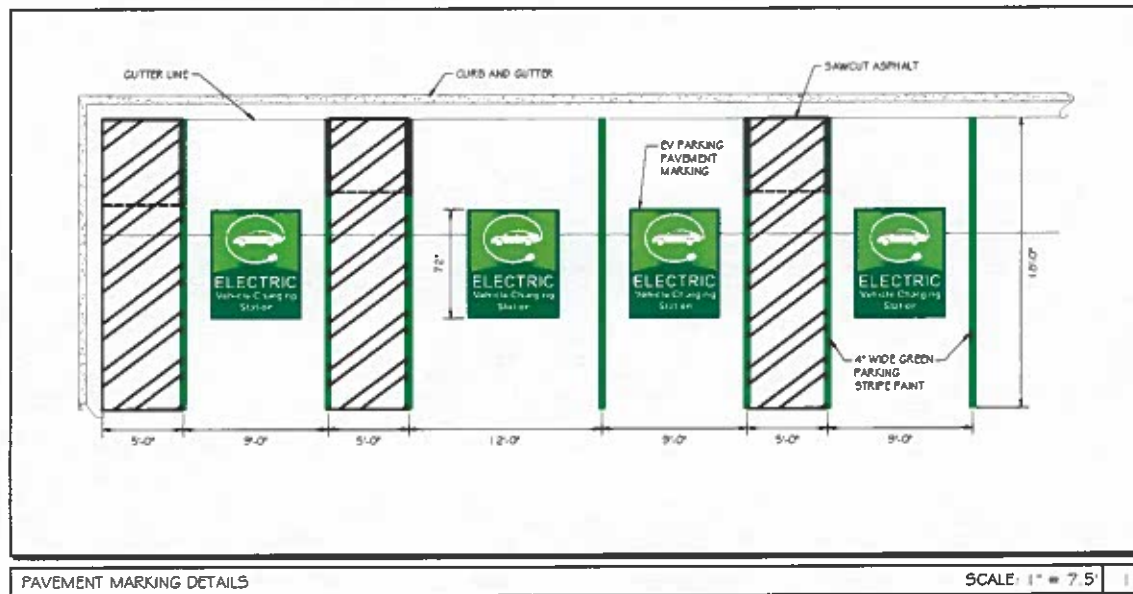
Continuation of Sheet

C	01/08/24	REVISED ELECTRICAL DESIGN
D	02/15/23	REVISED LAYOUT & SWITCHGEAR
A	03/23/23	REVISED ELECTRICAL DETAILS
MARK	DATE	DESCRIPTION
ISSUE	PROLIMINARY	DATE ISSUED 10/10/2023
PROJECT TITLE	CHIPLEY, FL WAFFLE HOUSE	
PROJECT INFORMATION	- EV CHARGING INSTALL -	
	1680 MAIN ST. CHIPLEY, FL 32426	

SHEET TITLE
 SITE DETAILS

SCALE:
 AS NOTED

PROJECT NUMBER 59472
 DRAW NUMBER D4



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Capitulum 6-8

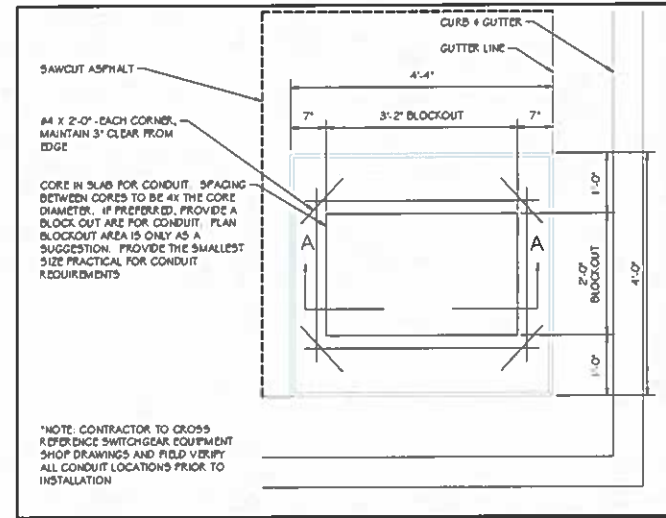
C	01/08/24	REVISED ELECTRICAL DESIGN	
B	12/15/23	REVISED LAYOUT + SWITCHING	OK
A	1/28/24	REVISED ELECTRICAL DESIGN	
MARK	DATE	DESCRIPTION	
ISSUE	PRELIMINARY	DATE	1/01/2023
PHASE		STATUS	
PROJECT TITLE			
CHIPLEY, FL WAFFLE HOUSE			
- EV CHARGING INSTALL -			
PROJECT INFORMATION			
1680 MAIN ST			
CHIPLEY, FL 32428			
SHEET TITLE			
SITE DETAILS			
PROJECT NUMBER			
59472			
D5			

STRUCTURAL GENERAL NOTES

- 1.0 GENERAL CONDITIONS
- 1.1 DESIGN & CONSTRUCTION OF ALL WORK SHALL CONFORM TO LOCAL BUILDING CODES, ACI 318-14. IN CASE OF CONFLICT BETWEEN THE CODES, STANDARDS, REGULATIONS, SPECIFICATIONS, GENERAL NOTES AND/OR MANUFACTURER'S REQUIREMENTS, USE THE MOST STRINGENT PROVISIONS.
- 1.2 IT IS THE EXPRESS INTENT OF PARTIES INVOLVED IN THIS PROJECT THAT THE CONTRACTOR OR SUBCONTRACTOR OR INDEPENDENT CONTRACTOR OR THE RESPECTIVE EMPLOYEES SHALL EXCULPATE THE ARCHITECT, THE ENGINEER, TECH. CONSTRUCTION MANAGER, THE OWNER, & THEIR AGENTS FROM ANY LIABILITY WHATSOEVER & HOLD THEM HARMLESS AGAINST LOSS, DAMAGES, LIABILITY OR ANY EXPENSE ARISING IN ANY MATTER FROM THE WRONGFUL OR NEGLIGENT ACT, OR FAILURE TO CARRY METHODS, TECHNIQUES OR PROCEDURES OR FAILURE TO CONFORM TO THE STATE SCAFFOLDING ACT IN CONNECTIONS WITH THE WORK.
- 1.3 DO NOT SCALE DRAWINGS
- 1.4 VERIFY ALL EQUIPMENT MOUNTING DIMENSIONS PER MANUFACTURER DRAWINGS
- 1.5 DESIGN LOADS ARE:

SNOW LOAD	25 PSF
CABINET SIZE	60" H, 24" W, 36" D
- CABINET PLUS EQUIPMENT WEIGHT: 1200 LBS
- 2.0 FOR DESIGN & ANALYSIS OF THE FOUNDATION, THE MINIMUM NET SOIL BEARING CAPACITY SHALL BE ASSUMED TO BE 1500 PSF
- 3.0 CONCRETE
- 3.1 MEET OR EXCEED THE FOLLOWING CODES & STANDARDS:

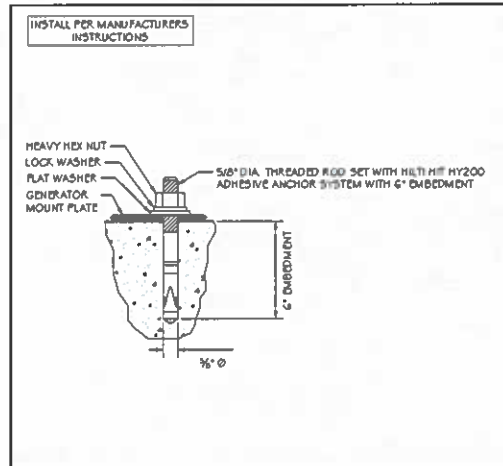
DESIGN	ACI 318-11
CONSTRUCTION	ACI 301
DETAILING	CRSI MANUAL OF STANDARD PRACTICE
REINF. STEEL	ASTM A 615 GRADE 60, DEFORMED
MIXING	ASTM C 94 READY MIX CONCRETE
AIR ENTRAINMENT	ACI 318 AND ASTM C-260
AGGREGATE	ASTM C 33 AND C 330 (FOR LIGHT WEIGHT)
- 3.2 CONCRETE STRENGTH AT 28 DAYS SHALL BE 3000 PSI MINIMUM
- 3.3 DO NOT FIELD BEND OR WELD TO GRADE 60 REINFORCED STEEL
- 3.4 PROVIDE AIR ENTRAINMENT CONCRETE WITH AIR CONTENT OF 5 TO 7% FOR ALL CONCRETE EXPOSED TO EARTH OR WEATHER.
- 3.5 MAXIMUM AGGREGATE SIZE: 3/4"
- 3.6 DO NOT USE IN ADMIXTURE WATER OR OTHER CONSTITUENTS OF CONCRETE WHICH HAS CALCIUM CHLORIDE
- 3.7 MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS SHOWN ON PLAN
- 4.0 FOUNDATION & EXCAVATION NOTES
- 4.1 SLABS SHALL BE CONSTRUCTED UPON UNDISTURBED, NATURAL SUBGRADE OR COMPACTED GRANULAR FILL
- 4.2 ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED PRIOR FOUNDATION & SLAB SUBGRADE & BACKFILL AREAS, & THEN BACKFILLED WITH ACCEPTABLE GRANULAR FILL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D 1557).
- 4.3 THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST, OR ICE FROM PENETRATING ANY FOOTING OR STRUCTURAL SUBGRADE BEFORE & AFTER PLACING OF CONCRETE, AND UNTIL SUCH CONCRETE HAS FULLY CURED



ELECTRICAL EQUIPMENT FOUNDATION PLAN

n.t.s.

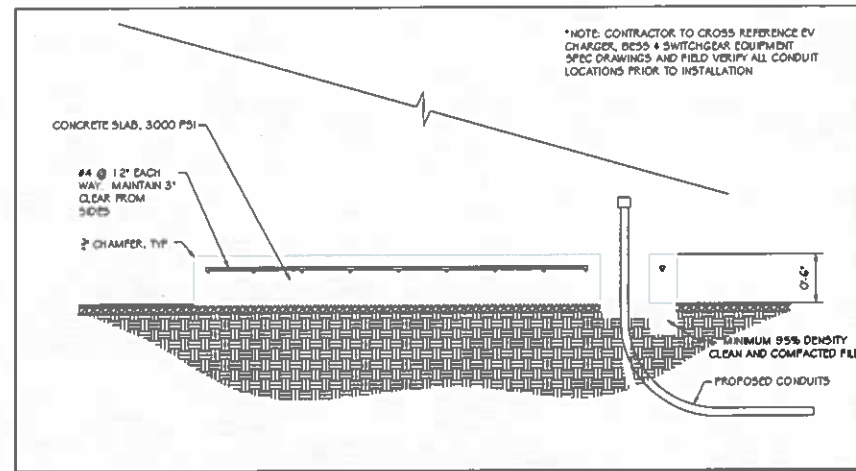
1



ANCHOR BOLT DETAIL

n.t.s.

2



SECTION A-A

n.t.s.

3

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Calculation Sheet

C	CHIPLEY REVISED ELECTRICAL DESIGN	
B	1/21/23 REVISED LAYOUT & SWITCHGEAR	
A	1/12/23 REVISED ELECTRICAL DETAILS	
DATE	DESCRIPTION	DATE
01/01/2023	PRELIMINARY	01/01/2023
PROJECT TITLE		
CHIPLEY, FL WAFFLE HOUSE - EV CHARGING INSTALL		
PROJECT INFORMATION		
1680 MAIN ST. CHIPLEY, FL 32428		
SHEET TITLE		
SITE DETAILS		
PROJECT NUMBER		
59472		
DATE		
06		