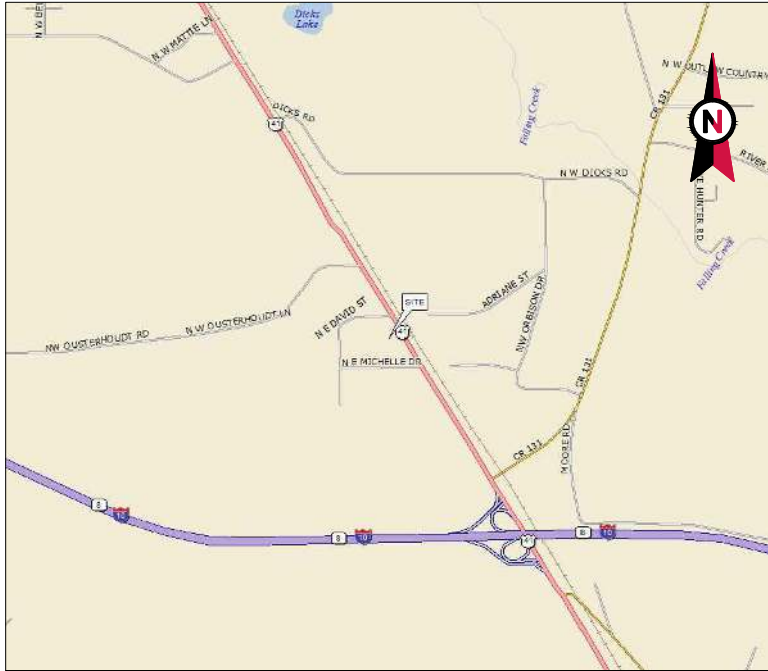




VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: LAKE CITY
ATC SITE NUMBER: 370667
VERIZON WIRELESS SITE NAME: LAKE CITY ATC
VERIZON WIRELESS SITE NUMBER: 5000957580
VERIZON WIRELESS FUZE PID: 17252856
SITE ADDRESS: 5348 NW US HWY 41
LAKE CITY, FL 32055-5550



LOCATION MAP

VERIZON WIRELESS COLLOCATION PLAN

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2023 FLORIDA BUILDING CODE, 8TH EDITION 2. ANSI/TIA-222-H 3. 8TH EDITION FLORIDA FIRE PREVENTION CODE 4. 2020 NATIONAL ELECTRICAL CODE (NFPA 70) 5. CITY/COUNTY ORDINANCES DESIGN CRITERIA FOR TOWER STRUCTUAL ANALYSIS: ULTIMATE WIND SPEED: 118 MPH (3-SECOND GUST) SERVICE WIND SPEED: 60 MPH RISK CATEGORY: II EXPOSURE CATEGORY: B TOPOGRAPHIC CATEGORY: 1 INFORMATION PROVIDED BY STRUCTURAL ANALYSIS BY AMERICAN TOWER CORPORATION, DATED SEPTEMBER 19, 2024.	<u>SITE ADDRESS:</u> 5348 NW US HWY 41 LAKE CITY, FL 32055-5550 COUNTY: COLUMBIA <u>REGISTERED COORDINATES:</u> LATITUDE: 30° 15' 14.80" N NAD 83 LONGITUDE: 82° 40' 55.40" W <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 30.25421 LONGITUDE: -82.6818 GROUND ELEVATION: 138' AMSL <u>ZONING INFORMATION:</u> JURISDICTION: COLUMBIA COUNTY PARCEL ID: 023S1601936000	VERIZON WIRELESS IS PROPOSING THE FOLLOWING WORK TO BE COMPLETED ON AN EXISTING 340' GUYED TOWER: <u>TOWER WORK:</u> INSTALL (3) SECTOR FRAME MOUNT(S), (9) ANTENNA(S), (6) RRU(s), (1) OVP(s), AND (2) 6x12 (1.43") HYBRID CABLE(S). <u>GROUND WORK:</u> INSTALL (2) CONCRETE PAD(S), (1) ICE BRIDGE(S), (1) EQUIPMENT CABINET(S), (1) 30KW GENERATOR(S), (1) OVP(s), (1) GPS ANTENNA(S), (1) UTILITY METER(S), (1) DISCONNECT(S), (1) ATS/AC ILC(S), (1) FIBER JUNCTION BOX(ES), (1) LED WORK LAMP(S), (1) H-FRAME(S), AND UNDERGROUND POWER AND TELCO IN JOINT TRENCH.	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	G-001		TITLE SHEET	0	12/10/24	KAG	
	G-002		GENERAL NOTES	0	12/10/24	KAG	
			SITE SURVEY				
	C-001		OVERALL SITE PLAN	0	12/10/24	KAG	
	C-101		EXISTING DETAILED SITE PLAN	0	12/10/24	KAG	
	C-102		PROPOSED DETAILED SITE PLAN	0	12/10/24	KAG	
	C-201		TOWER ELEVATION	0	12/10/24	KAG	
	C-401		ANTENNA INFORMATION & SCHEDULE	0	12/10/24	KAG	
	C-501		CONSTRUCTION DETAILS	0	12/10/24	KAG	
UTILITY COMPANIES POWER COMPANY: FLORIDA POWER & LIGHT PHONE: (800) 226-3545 TELEPHONE COMPANY: AT&T PHONE: (800) 331-0500	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> TEP OPCO, LLC 326 TRYON RD RALEIGH, NC 27603-3530	<u>APPLICANT:</u> VERIZON WIRELESS <u>PROPERTY OWNER:</u> SOUTHERN STONE COMMUNICATIONS OF FLORIDA LLC DAYTONA BEACH, FL 32117	C-502	CONSTRUCTION DETAILS	0	12/10/24	KAG
	PROJECT TEAM		C-503	CONSTRUCTION DETAILS	0	12/10/24	KAG
			C-504	CONSTRUCTION DETAILS	0	12/10/24	KAG
	PROJECT LOCATION DIRECTIONS		C-505	CONSTRUCTION DETAILS	0	12/10/24	KAG
			C-506	CONSTRUCTION DETAILS	0	12/10/24	KAG
	PROJECT NOTES 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).		C-507	CONSTRUCTION DETAILS	0	12/10/24	KAG
			E-101	GROUNDING PLAN & NOTES	0	12/10/24	KAG
			E-102	ONE-LINE & PANEL SCHEDULE	0	12/10/24	KAG
			E-501	GROUNDING DETAILS	0	12/10/24	KAG
			E-502	GROUNDING DETAILS	0	12/10/24	KAG
R-601 TO R-605			SUPPLEMENTAL				
							



TEP OPCO LLC
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
FL COA#: 31011

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, LLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, LLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY.

ATC SITE NUMBER: 370667			
ATC SITE NAME: LAKE CITY			
VERIZON WIRELESS SITE NAME: LAKE CITY ATC			
SITE ADDRESS: 5348 NW US HWY 41 LAKE CITY, FL 32055-5550			
REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	PSG	10/09/24
D	100% CONSTRUCTION	KAG	12/10/24

DIGITAL/ELECTRONIC SEAL:
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY JOSHUA H. CARDEN, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SEAL: OPCO, LLC31011





DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

TITLE SHEET

SHEET NUMBER: G-001	REVISION: 0
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GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL

A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)

B. AC/TELCO INTERFACE BOX (PPC)

C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)

D. TOWERS, MONOPOLES

E. TOWER LIGHTING

F. GENERATORS & LIQUID PROPANE TANK

G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING

H. ANTENNAS (INSTALLED BY OTHERS)

I. TRANSMISSION LINE

J. TRANSMISSION LINE JUMPERS

K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS

L. TRANSMISSION LINE GROUND KITS

M. HANGERS

N. HOISTING GRIPS

O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.
- STRUCTURAL STEEL NOTES:
1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:

A. ASTM A-572, GRADE 50 - ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE

B. ASTM A-36 - ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.

C. ASTM A-500, GRADE B - HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)

D. ASTM A-325, TYPE SC OR N - ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS

E. ASTM F-1554 07 - ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:

A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.

B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1.

- REPAIR ALL WELDS AS NECESSARY.
- C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
- E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
- G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING ½" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
- H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
- I. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND VERIZON PROJECT MANAGER IN WRITING
- SPECIAL CONSTRUCTION
- ANTENNA INSTALLATION NOTES:
1. WORK INCLUDED:

A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL

B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON SPECIFICATIONS.

C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.

D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.

E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.

F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.

G. ANTENNA AND COAXIAL CABLE GROUNDING:

2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPlice WEATHERPROOFING KIT #221213 OR EQUAL.

3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS).

CONCRETE AND REINFORCING STEEL NOTES:

1. DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF ALL APPLICABLE CODES INCLUDING: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS", AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."

2. MIX DESIGN SHALL BE APPROVED BY VERIZON REP PRIOR TO PLACING CONCRETE.

3. CONCRETE SHALL BE NORMAL WEIGHT, 6 % AIR ENTRAINED (+/- 1.5%) WITH A SLUMP RANGE OF 3-6" AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI UNLESS OTHERWISE NOTED.

4. THE FOLLOWING MATERIALS SHALL BE USED:

PORTLAND CEMENT: ASTM C150, TYPE 2

REINFORCEMENT: ASTM A185, PLAIN STEEL WELDED WIRE FABRIC

REINFORCEMENT BARS: ASTM A615, GRADE 60, DEFORMED

NORMAL WEIGHT AGGREGATE: ASTM C33

WATER: ASTM C 94/C 94M

WELDED WIRE FABRIC: ASTM A185

ADMIXTURES:

-WATER-REDUCING AGENT: ASTM C 494/C 494M, TYPE A

-AIR-ENTERING AGENT: ASTM C 260/C 260M

-SUPERPLASTICIZER: ASTM C494, TYPE F OR TYPE G

-RETARDING: ASTM C 494/C 494M, TYPE B

5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE NO LESS THAN 3".
6. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH ACI 301 SECTION 4.2.4, UNLESS NOTED OTHERWISE.

7. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL, OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR APPROVAL FROM AN ATC ENGINEER WHEN DRILLING HOLES IN CONCRETE.

8. ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN "METHOD 1" OF ACI 301.

9. DO NOT WELD OR TACK WELD REINFORCING STEEL.

10. ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.

11. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.

12. DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.

13. FOR COLD-WEATHER (ACI 306) AND HOT-WEATHER (ACI 301M) CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS, MINIMUM.

14. ALL CONCRETE SHALL HAVE A "SMOOTH FORM FINISH."

15. SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS OR AS ACCEPTED BY THE ENGINEER. UNLESS OTHERWISE SHOWN OR NOTED REINFORCING STEEL SHALL BE SPLICED TO DEVELOP ITS FULL TENSILE CAPACITY (CLASS A) IN ACCORDANCE WITH ACI 318.

16. DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).

17. ALL SLAB CONSTRUCTION SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS SHOWN IN THE CONTRACT DRAWINGS.

18. LOCATION OF ALL CONSTRUCTION JOINTS ARE SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONFORMANCE WITH ACI 318, AND ACCEPTANCE OF THE ENGINEER. DRAWINGS SHOWING LOCATION OF DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED WITH REINFORCING STEEL PLACEMENT DRAWINGS.

19. SPLICES OF WWF, AT ALL SPLICED EDGES, SHALL BE SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRE PLUS 2 INCHES, NOR LESS THAN 6".

20. BAR SUPPORTS SHALL BE ALL-GALVANIZED METAL WITH PLASTIC TIPS.

21. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE TO PREVENT DISPLACEMENT BY CONSTRUCTION TRAFFIC OR CONCRETE. TIE WIRE SHALL BE OF SUFFICIENT STRENGTH FOR INTENDED PURPOSE, BUT NOT LESS THAN NO. 18 GAUGE.

22. SLAB ON GROUND: COMPACT STRUCTURAL FILL TO 95% DENSITY AND THEN PLACE 6" GRAVEL BENEATH SLAB.

ELECTRICAL NOTES:

1. ELECTRICAL WORK SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL WORK COMPLIES WITH ALL APPLICABLE LOCAL AND STATE CODES AND NATIONAL ELECTRICAL CODE.

2. ALL SUGGESTED ELECTRICAL ELEMENTS (SUCH AS BREAKER SIZES, WIRE SIZES, CONDUITS SIZES) ARE FOR ZONING PURPOSES ONLY. IT IS THE RESPONSIBILITY TO OF THE ELECTRICAL CONTRACTOR TO CONFIRM COMPLIANCE WITH LOCAL ELECTRICAL CODES AND PASS ALL APPLICABLE AND NECESSARY INSPECTIONS. IN SOME EVENTS, IT MAY BE NECESSARY TO PERFORM AN ELECTRICAL LOAD STUDY TO VERIFY THE CAPACITY OF THE EXISTING SERVICE. THIS IS NOT THE RESPONSIBILITY OF ATC. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

3. CONTRACTOR SHALL FIELD LOCATE ALL BELOW GRADE GROUNDING CABLES AND UTILITY LINES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ALL UTILITIES AND GROUNDING LINES THAT MAY BECOME DISTURBED OR CONFLICTING IN THE COURSE OF CONSTRUCTION.
- ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
-
- TEP OPCO LLC
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
FL COA#: 31011
- TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, LLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, LLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY.
- ATC SITE NUMBER:
370667
ATC SITE NAME:
LAKE CITY
VERIZON WIRELESS SITE NAME:
LAKE CITY ATC
SITE ADDRESS:
5348 NW US HWY 41
LAKE CITY, FL 32055-5550
- | REV. | DESCRIPTION | BY | DATE |
|------|-------------------|-----|----------|
| A | PRELIMINARY | PSG | 10/09/24 |
| B | 100% CONSTRUCTION | KAG | 12/10/24 |
| | | | |
| | | | |
| | | | |
- DIGITAL/ELECTRONIC SEAL:
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED
AND SEALED BY JOSHUA H. CARDEN, P.E. ON
THE DATE ADJACENT TO THE SEAL.
- PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED AND THE
SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.
-
-
- | | |
|----------------|---------------|
| DATE DRAWN: | 12/10/24 |
| ATC JOB NO: | 14873543 |
| CUSTOMER NAME: | LAKE CITY ATC |
| CUSTOMER ID: | 5000957580 |
- GENERAL NOTES
- | | |
|------------------------|----------------|
| SHEET NUMBER:
G-002 | REVISION:
0 |
|------------------------|----------------|

BOUNDARY SURVEY

IN SECTION 2, TOWNSHIP 03 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA
FOR: GLOBAL TOWER, LLC

PROPERTY DESCRIPTIONS

PARENT PARCEL
(OFFICIAL RECORD BOOK 922, PAGE 1108)

LOT 1, BLOCK A, OF NORTHWOOD ACRES, AN UNRECORDED SUBDIVISION MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA; THENCE SOUTH 89°29'39" WEST ALONG THE SOUTH LINE OF SAID SECTION 2, FOR 617.23 FEET TO AN INTERSECTION WITH THE WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41; THENCE NORTH 31°33'11" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 1315.13 FEET; THENCE NORTH 31°31'26" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 284.52 FEET TO THE NORTHEAST CORNER OF THE "DUC" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 1044, PAGE 733 OF THE PUBLIC RECORDS OF SAID COLUMBIA COUNTY SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THE "RTG MEDIA" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 922, PAGE 1108 OF SAID PUBLIC RECORDS; THENCE SOUTH 89°29'34" WEST ALONG THE NORTH LINE OF SAID "DUC" PARCEL AND ALONG THE SOUTH LINE OF SAID "RTG MEDIA" PARCEL FOR 228.99 FEET; THENCE NORTH 03°30'26" WEST FOR 29.86 FEET TO THE POINT OF BEGINNING; THENCE NORTH 08°38'26" WEST FOR 107.00 FEET; THENCE NORTH 81°21'34" EAST FOR 60.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 35.00 FEET; THENCE NORTH 81°21'34" EAST FOR 50.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 72.00 FEET; THENCE SOUTH 81°21'34" WEST FOR 110.00 FEET TO SAID POINT OF BEGINNING.

CONTAINING 0.65 ACRES, MORE OR LESS.

ALSO:

BEGIN AT THE SOUTHEAST CORNER OF NW 1/4 OF SE 1/4 AND RUN WEST 140 YARDS, NORTH 105 YARDS, EAST 140 YARDS, SOUTH 105 YARDS, TO THE POINT OF BEGINNING, LESS ROAD RIGHT-OF-WAY, SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

TOWER PARCEL
(PREPARED BY THIS OFFICE)

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA; THENCE SOUTH 89°29'39" WEST ALONG THE SOUTH LINE OF SAID SECTION 2, FOR 617.23 FEET TO AN INTERSECTION WITH THE WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41; THENCE NORTH 31°33'11" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 1315.13 FEET; THENCE NORTH 31°31'26" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 284.52 FEET TO THE NORTHEAST CORNER OF THE "DUC" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 1044, PAGE 733 OF THE PUBLIC RECORDS OF SAID COLUMBIA COUNTY SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THE "RTG MEDIA" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 922, PAGE 1108 OF SAID PUBLIC RECORDS; THENCE SOUTH 89°29'34" WEST ALONG THE NORTH LINE OF SAID "DUC" PARCEL AND ALONG THE SOUTH LINE OF SAID "RTG MEDIA" PARCEL FOR 228.99 FEET; THENCE NORTH 03°30'26" WEST FOR 29.86 FEET TO THE POINT OF BEGINNING; THENCE NORTH 08°38'26" WEST FOR 107.00 FEET; THENCE NORTH 81°21'34" EAST FOR 60.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 35.00 FEET; THENCE NORTH 81°21'34" EAST FOR 50.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 72.00 FEET; THENCE SOUTH 81°21'34" WEST FOR 110.00 FEET TO SAID POINT OF BEGINNING.

CONTAINING 10,020 SQUARE FEET, MORE OR LESS.

20' WIDE INGRESS AND EGRESS EASEMENT
(PREPARED BY THIS OFFICE)

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, LYING WITHIN 10 FEET OF BOTH SIDES OF A CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA; THENCE SOUTH 89°29'39" WEST ALONG THE SOUTH LINE OF SAID SECTION 2, FOR 617.23 FEET TO AN INTERSECTION WITH THE WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41; THENCE NORTH 31°33'11" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 1315.13 FEET; THENCE NORTH 31°31'26" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 284.52 FEET TO THE NORTHEAST CORNER OF THE "DUC" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 1044, PAGE 733 OF THE PUBLIC RECORDS OF SAID COLUMBIA COUNTY SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THE "RTG MEDIA" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 922, PAGE 1108 OF SAID PUBLIC RECORDS; THENCE SOUTH 89°29'34" WEST ALONG THE NORTH LINE OF SAID "DUC" PARCEL AND ALONG THE SOUTH LINE OF SAID "RTG MEDIA" PARCEL FOR 228.99 FEET; THENCE NORTH 03°30'26" WEST FOR 29.86 FEET TO THE POINT OF BEGINNING; THENCE NORTH 08°38'26" WEST FOR 107.00 FEET; THENCE NORTH 81°21'34" EAST FOR 60.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 35.00 FEET; THENCE NORTH 81°21'34" EAST FOR 50.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 72.00 FEET; THENCE SOUTH 81°21'34" WEST FOR 110.00 FEET TO SAID POINT OF BEGINNING.

CONTAINING 2,808 SQUARE FEET, MORE OR LESS.

10' WIDE UTILITY EASEMENT
(PREPARED BY THIS OFFICE)

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, LYING WITHIN 10 FEET OF BOTH SIDES OF A CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA; THENCE SOUTH 89°29'39" WEST ALONG THE SOUTH LINE OF SAID SECTION 2, FOR 617.23 FEET TO AN INTERSECTION WITH THE WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41; THENCE NORTH 31°33'11" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 1315.13 FEET; THENCE NORTH 31°31'26" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 284.52 FEET TO THE NORTHEAST CORNER OF THE "DUC" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 1044, PAGE 733 OF THE PUBLIC RECORDS OF SAID COLUMBIA COUNTY SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THE "RTG MEDIA" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 922, PAGE 1108 OF SAID PUBLIC RECORDS; THENCE SOUTH 89°29'34" WEST ALONG THE NORTH LINE OF SAID "DUC" PARCEL AND ALONG THE SOUTH LINE OF SAID "RTG MEDIA" PARCEL FOR 228.99 FEET; THENCE NORTH 03°30'26" WEST FOR 29.86 FEET TO THE POINT OF BEGINNING; THENCE NORTH 08°38'26" WEST FOR 107.00 FEET; THENCE NORTH 81°21'34" EAST FOR 60.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 35.00 FEET; THENCE NORTH 81°21'34" EAST FOR 50.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 72.00 FEET; THENCE SOUTH 81°21'34" WEST FOR 110.00 FEET TO SAID POINT OF BEGINNING.

CONTAINING 995 SQUARE FEET, MORE OR LESS.

LEGEND

- INDICATES GUY ANCHOR
- INDICATES PLACED 1/2" REBAR WITH GEOLINE LB 7082 CAP
- INDICATES CONCRETE MONUMENT FOUND AS NOTED
- INDICATES OVERHEAD UTILITY LINE
- INDICATES WOOD UTILITY POLE
- INDICATES 4' FIELD FENCE
- (---) INDICATES RECORD DESCRIPTION DATA
- ⊙ INDICATES SATELLITE DISH
- ⊙ SATELLITE DISH NOTE: INDICATED SATELLITE DIAMETER IN FEET, ACROSS DISH

GEOLINE SURVEYING, INC. LB 7082
DAVID G. SHORT
FLORIDA PROFESSIONAL SURVEYOR AND MAPPER
CERTIFICATE OF REGISTRATION NO. 3022

GEOLINE
SURVEYING, INC.

Professional Land Surveyors
15430 NW 104th Terrace, Suite A
Alachua, Florida 32615
(386)418-0500 Fax (386)462-9988
geoline@geolineinc.com

DESIGNED: FLOYD CURTIS
DRAWN: FLOYD CURTIS
CHECKED: DAVID SHORT

SCALE: 1" = 40'
DATE: JANUARY 16, 2007
PROJECT # 291-80

GLOBAL TOWER SITE # FL 5035
LAKE CITY SITE, COLUMBIA COUNTY, FLORIDA

SHEET # 291-80

SHEET # 1 OF 1

FLOOD NOTE

ACCORDING TO MY INTERPRETATIONS OF COMMUNITY PANEL NO. 120070 0125
8 OF THE FLOOD INSURANCE RATE MAPS FOR COLUMBIA COUNTY, FLORIDA,
DATED 1/05/89 THE SUBJECT PROPERTY IS IN FLOOD ZONE "X". E. AREAS
DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN.

TOWER LOCATION INFORMATION

340.741' MONOPOLE TOWER
ON A 0.6' CONCRETE CAISSON
NAD 83
LATITUDE = 30°15'15.14" N ±15'
LONGITUDE = 82°40'54.49" W ±15'

NAD 27
LATITUDE = 30°15'14.31" N ±15'
LONGITUDE = 82°40'55.04" W ±15'

GROUND ELEVATION AT BASE OF TOWER = 137.1' ±3' NAVD88
GROUND ELEVATION AT BASE OF TOWER = 137.9' ±3' NGVD29

TOP OF TOWER HEIGHT ABOVE GROUND = 341.3' ±1'
ELEVATION OF TOP OF TOWER = 478.4' ±3' NAVD88
ELEVATION OF TOP OF TOWER = 479.2' ±3' NGVD29

TOP OF HIGHEST APPURTENANCE HEIGHT ABOVE GROUND = 343.7' ±1'
ELEVATION OF TOP OF HIGHEST APPURTENANCE = 480.8' ±3' NAVD88
ELEVATION OF TOP OF HIGHEST APPURTENANCE = 481.6' ±3' NGVD29

PROPERTY DESCRIPTIONS

GUY ANCHOR EASEMENT "A"
(PREPARED BY THIS OFFICE)

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, LYING WITHIN 15 FEET OF BOTH SIDES OF A CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

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CONTAINING 2,091 SQUARE FEET, MORE OR LESS.

GUY ANCHOR EASEMENT "B"
(PREPARED BY THIS OFFICE)

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, LYING WITHIN 15 FEET OF BOTH SIDES OF A CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA; THENCE SOUTH 89°29'39" WEST ALONG THE SOUTH LINE OF SAID SECTION 2, FOR 617.23 FEET TO AN INTERSECTION WITH THE WESTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 41; THENCE NORTH 31°33'11" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 1315.13 FEET; THENCE NORTH 31°31'26" WEST ALONG SAID WEST RIGHT-OF-WAY LINE FOR 284.52 FEET TO THE NORTHEAST CORNER OF THE "DUC" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 1044, PAGE 733 OF THE PUBLIC RECORDS OF SAID COLUMBIA COUNTY SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THE "RTG MEDIA" PARCEL AS PER DESCRIPTION RECORDED IN OFFICIAL RECORD BOOK 922, PAGE 1108 OF SAID PUBLIC RECORDS; THENCE SOUTH 89°29'34" WEST ALONG THE NORTH LINE OF SAID "DUC" PARCEL AND ALONG THE SOUTH LINE OF SAID "RTG MEDIA" PARCEL FOR 228.99 FEET; THENCE NORTH 03°30'26" WEST FOR 29.86 FEET TO THE POINT OF BEGINNING; THENCE NORTH 08°38'26" WEST FOR 107.00 FEET; THENCE NORTH 81°21'34" EAST FOR 60.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 35.00 FEET; THENCE NORTH 81°21'34" EAST FOR 50.00 FEET; THENCE SOUTH 08°38'26" EAST FOR 72.00 FEET; THENCE SOUTH 81°21'34" WEST FOR 110.00 FEET TO SAID POINT OF BEGINNING.

CONTAINING 2,413 SQUARE FEET, MORE OR LESS.

GUY ANCHOR EASEMENT "C"
(PREPARED BY THIS OFFICE)

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, LYING WITHIN 15 FEET OF BOTH SIDES OF A CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

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CONTAINING 1,722 SQUARE FEET, MORE OR LESS.

POINT OF COMMENCEMENT
SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF
SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST

(S 89°29'39" W) SLUTH LINE OF SECTION 2, TOWNSHIP 3 SOUTH, RANGE 16 EAST (81°23')

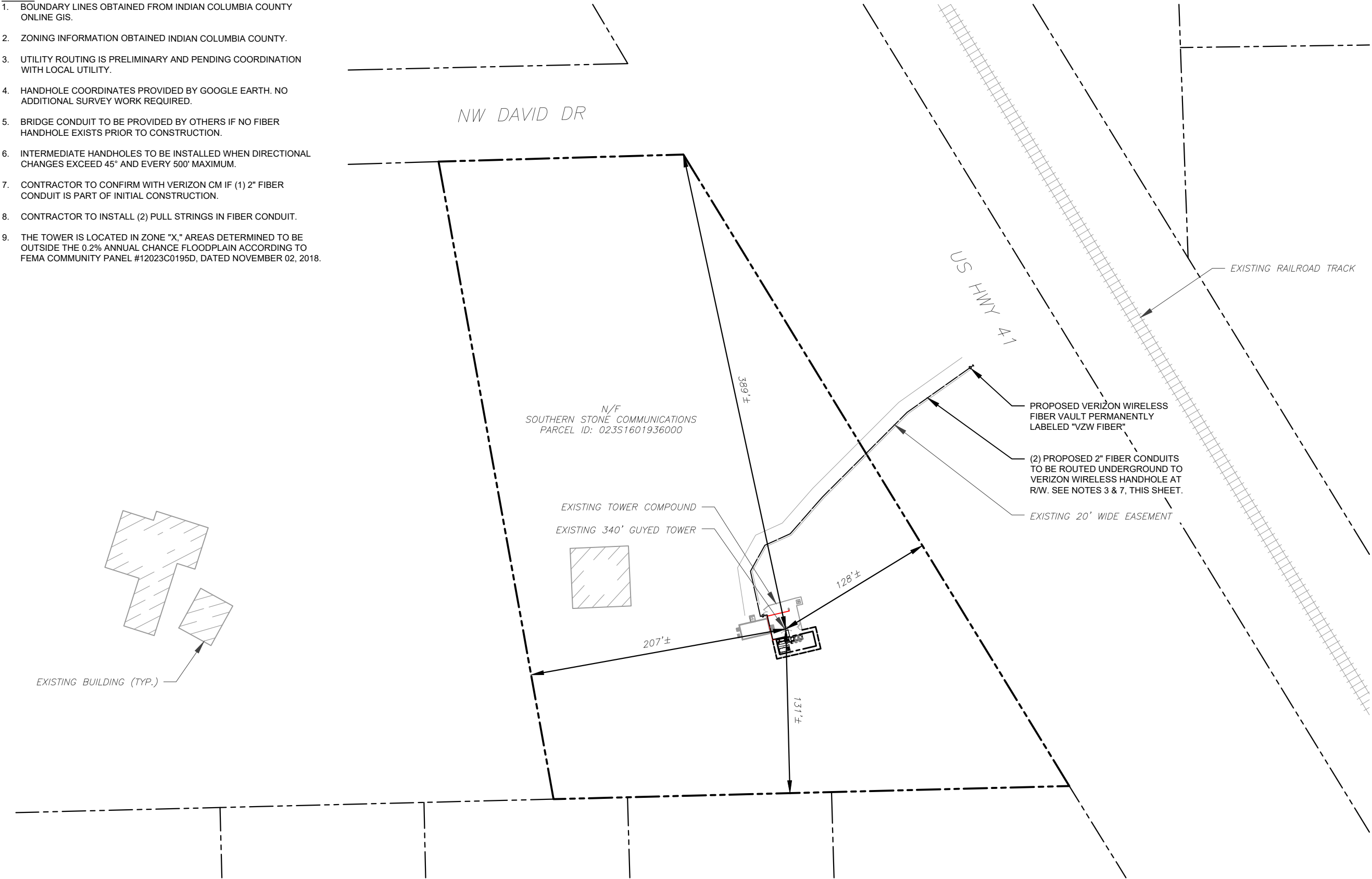
SURVEYOR'S NOTES

- BEARINGS HEREON ARE REFERENCED TO THE ASSUMED BEARING OF S 89°29'34" W ALONG THE SOUTH LINE OF THE PARENT PARCEL.
- NO ABOVE-GROUND OR BELOW-GROUND UTILITIES OR IMPROVEMENTS WERE LOCATED EXCEPT AS SHOWN HEREON.
- THE BOUNDARY SURVEY SHOWN HEREON IS BASED ON ACTUAL FIELD MEASUREMENTS AND OBSERVATIONS DATED JANUARY 16, 2007.
- REPRODUCTIONS OF THIS SKETCH ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- THE PURPOSE OF THIS SURVEY IS TO ESTABLISH AND DESCRIBE A LEASE PARCEL AND ASSOCIATED EASEMENTS. THIS IS NOT A BOUNDARY SURVEY OF THE PARENT PARCEL.
- LATITUDE AND LONGITUDE VALUES DEPICTED HEREON WERE ESTABLISHED WITH A TRIMBLE PRO XR GPS RECEIVER EQUIPPED WITH A COAST GUARD BEACON RECEIVER FOR REAL TIME CORRECTION.
- ELEVATIONS DEPICTED HEREON ARE BASED UPON GPS OBSERVATIONS MADE WITH AN ASHTACH LOCUS RECEIVER THAT WERE POST PROCESSED WITH CORS DATA FILES AND ARE REFERENCED TO THE NAVD88 DATUM.

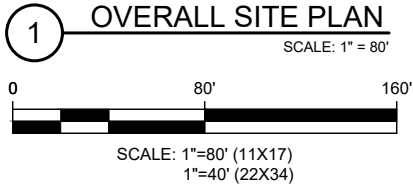
VICINITY MAP
NOT TO SCALE

LOCATION MAP
NOT TO SCALE

- NOTES:
- BOUNDARY LINES OBTAINED FROM INDIAN COLUMBIA COUNTY ONLINE GIS.
 - ZONING INFORMATION OBTAINED INDIAN COLUMBIA COUNTY.
 - UTILITY ROUTING IS PRELIMINARY AND PENDING COORDINATION WITH LOCAL UTILITY.
 - HANDHOLE COORDINATES PROVIDED BY GOOGLE EARTH. NO ADDITIONAL SURVEY WORK REQUIRED.
 - BRIDGE CONDUIT TO BE PROVIDED BY OTHERS IF NO FIBER HANDHOLE EXISTS PRIOR TO CONSTRUCTION.
 - INTERMEDIATE HANDHOLES TO BE INSTALLED WHEN DIRECTIONAL CHANGES EXCEED 45° AND EVERY 500' MAXIMUM.
 - CONTRACTOR TO CONFIRM WITH VERIZON CM IF (1) 2" FIBER CONDUIT IS PART OF INITIAL CONSTRUCTION.
 - CONTRACTOR TO INSTALL (2) PULL STRINGS IN FIBER CONDUIT.
 - THE TOWER IS LOCATED IN ZONE "X," AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #12023C0195D, DATED NOVEMBER 02, 2018.



LEGEND	
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING LEASE AREA



TEP OPCO LLC
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
FL COA#: 31011

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, LLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, LLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY.

ATC SITE NUMBER:
370667

ATC SITE NAME:
LAKE CITY

VERIZON WIRELESS SITE NAME:
LAKE CITY ATC

SITE ADDRESS:
5348 NW US HWY 41
LAKE CITY, FL 32055-5550

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	PSG	10/09/24
0	100% CONSTRUCTION	KAG	12/10/24

DIGITAL/ELECTRONIC SEAL:
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY JOSHUA H. CARDEN, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

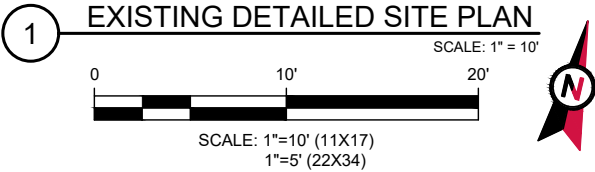
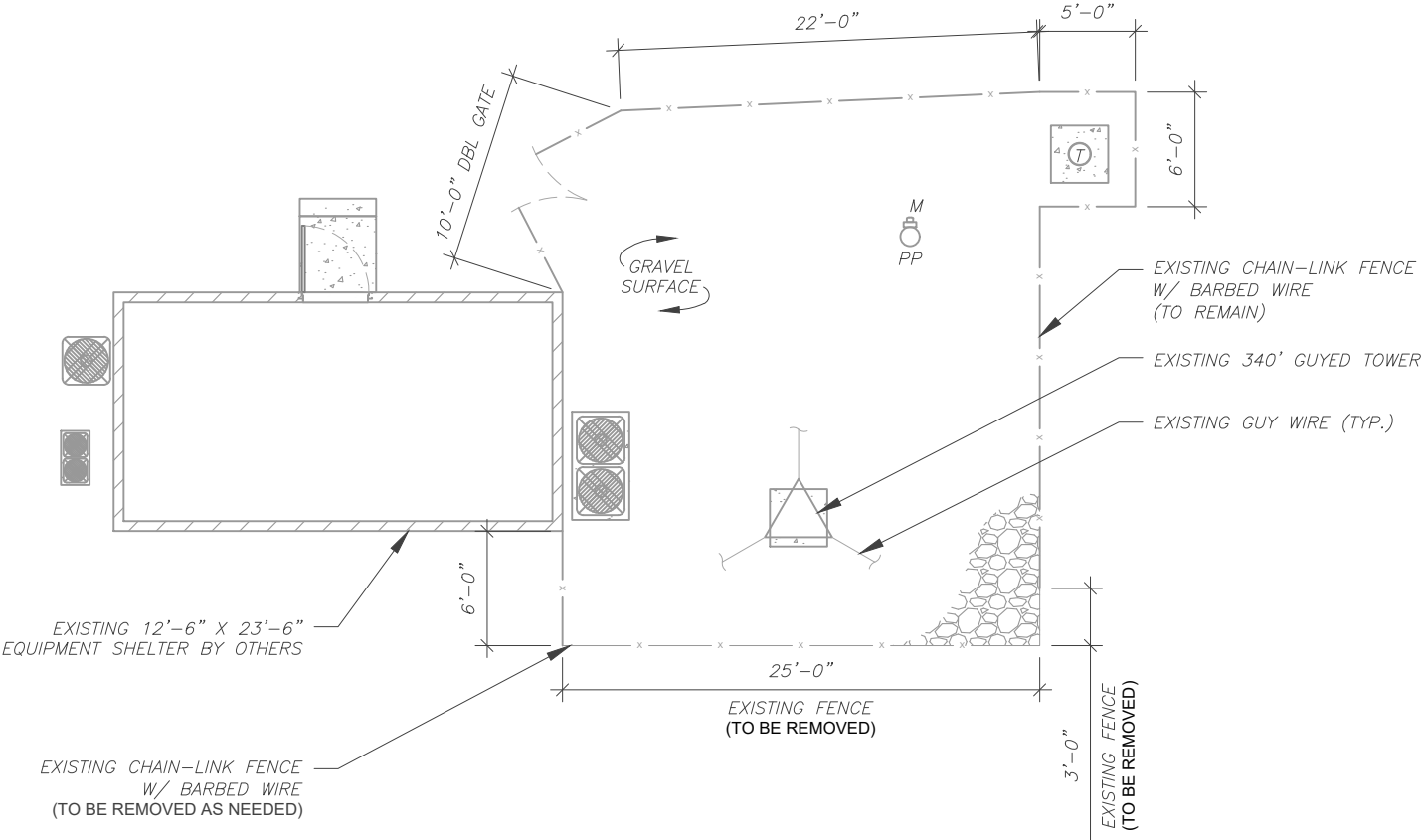
OVERALL SITE PLAN

SHEET NUMBER:	REVISION:
C-001	0

SITE PLAN NOTE:

THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

LEGEND	
⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
— x —	CHAINLINK FENCE



TEP OPCO LLC
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
FL COA#: 31011

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ATC SITE NUMBER:
370667

ATC SITE NAME:
LAKE CITY

VERIZON WIRELESS SITE NAME:
LAKE CITY ATC

SITE ADDRESS:
5348 NW US HWY 41
LAKE CITY, FL 32055-5550

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	PSG	10/09/24
0	100% CONSTRUCTION	KAG	12/10/24

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DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

EXISTING DETAILED
SITE PLAN

SHEET NUMBER: C-101	REVISION: 0
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SITE PLAN NOTES:

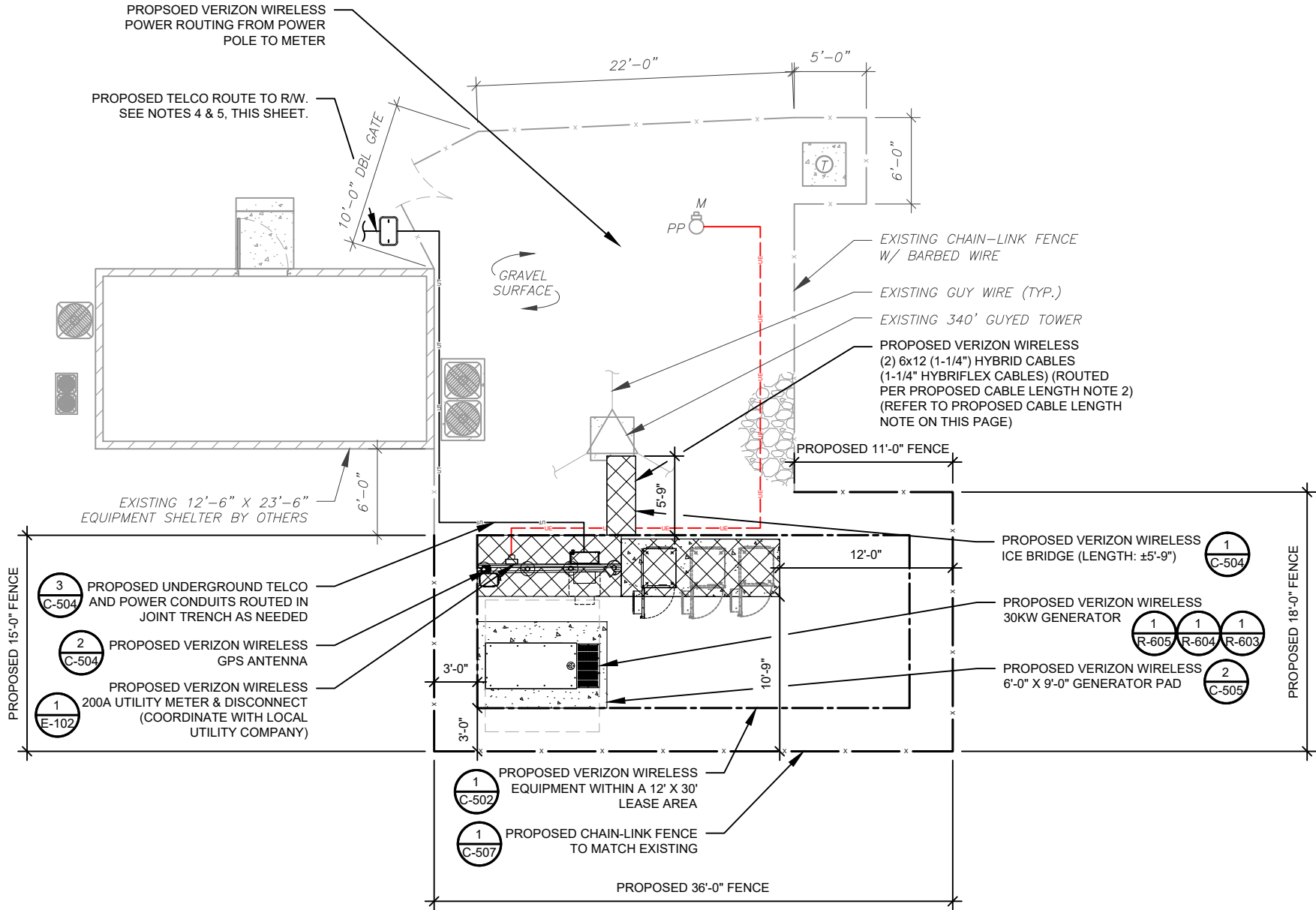
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE VERIZON REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.
4. CONTRACTOR TO CONFIRM WITH VERIZON CM IF (1) 2" FIBER CONDUIT IS PART OF INITIAL CONSTRUCTION.
5. CONTRACTOR TO INSTALL (2) PULL STRINGS IN FIBER CONDUIT.

LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
— x —	CHAINLINK FENCE

PROPOSED CABLE NOTES:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **235'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).



1 PROPOSED DETAILED SITE PLAN
SCALE: 1" = 10'
0 10' 20'
SCALE: 1"=10' (11X17)
1"=5' (22X34)



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LAKE CITY ATC

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LAKE CITY, FL 32055-5550

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CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

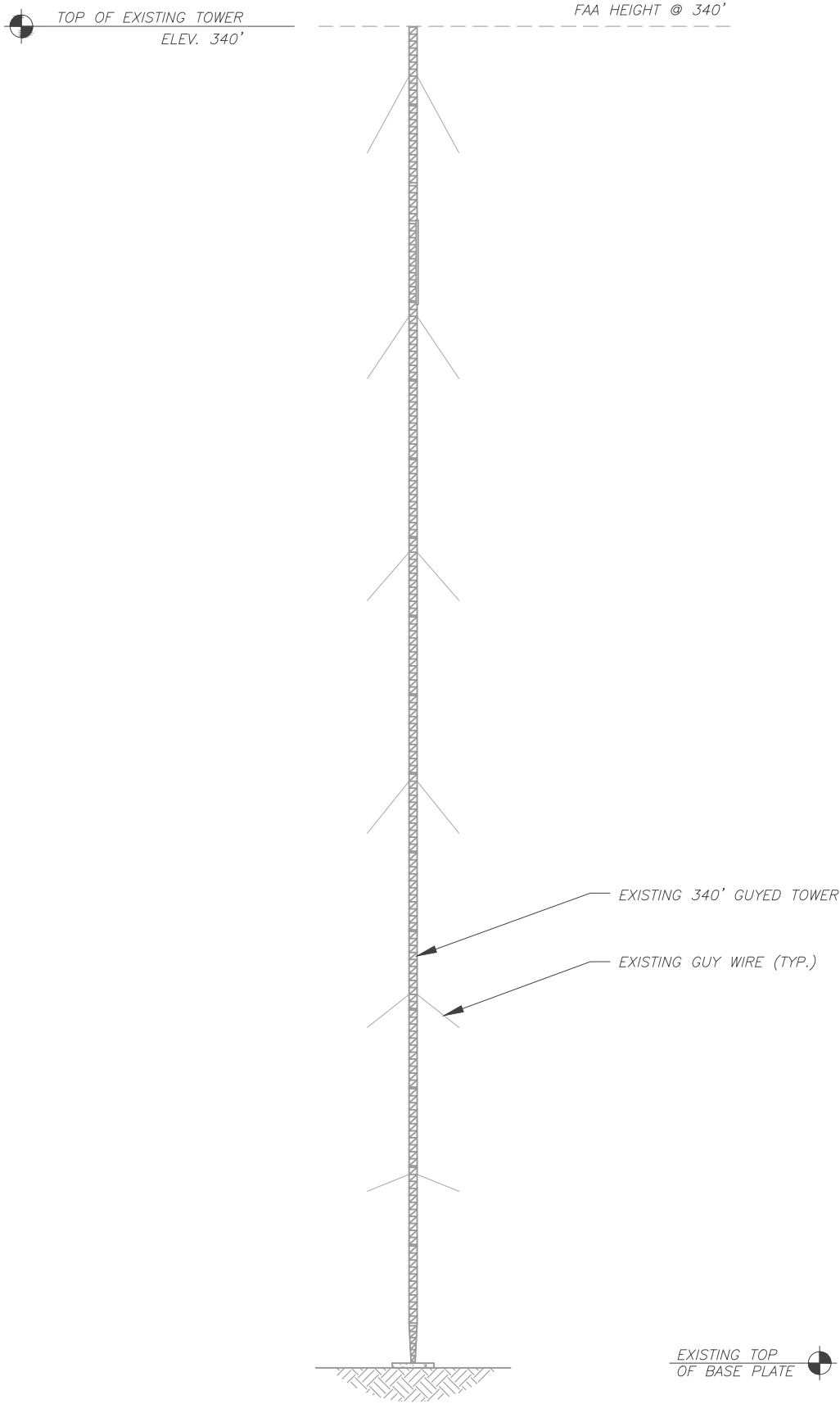
PROPOSED DETAILED EQUIPMENT PLAN

SHEET NUMBER:

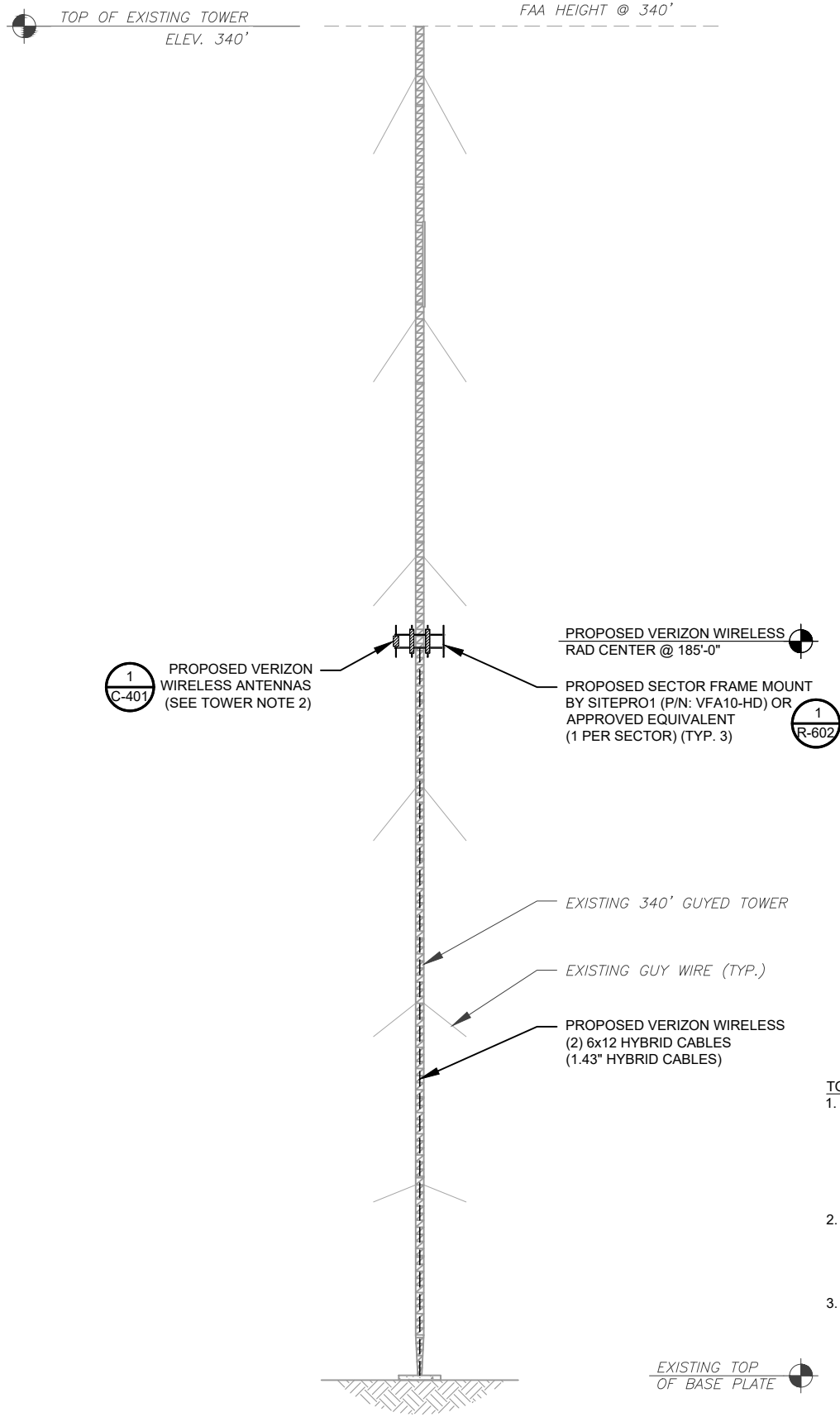
C-102

REVISION:

0



1 EXISTING TOWER ELEVATION
SCALE: N.T.S.



2 PROPOSED TOWER ELEVATION
SCALE: N.T.S.

ATC HAS NOT ANALYZED THE PROPOSED ANTENNA MOUNT(S) TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR PROPOSED CARRIER LOADING.

ATC IS CURRENTLY FILED FOR FAA HEIGHT AT TOP OF TOWER.

- TOWER NOTES:**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
 - WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
 - ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).
 - TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



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LAKE CITY ATC

SITE ADDRESS:
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LAKE CITY, FL 32055-5550

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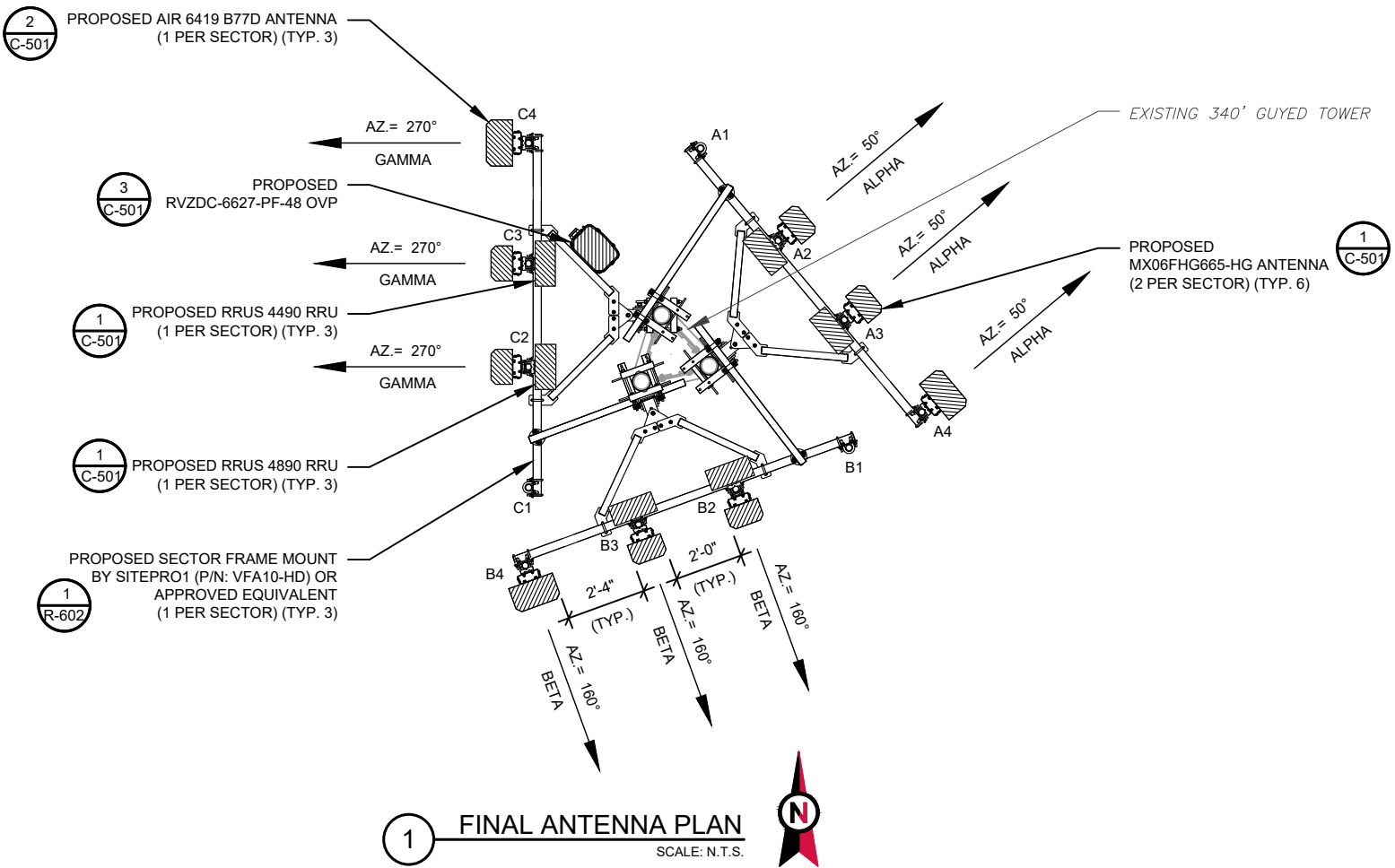
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DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

TOWER ELEVATION	
SHEET NUMBER: C-201	REVISION: 0

ATC HAS NOT ANALYZED THE PROPOSED ANTENNA MOUNT(S) TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR PROPOSED CARRIER LOADING.



1 FINAL ANTENNA PLAN
SCALE: N.T.S.

FINAL ANTENNA SCHEDULE									
LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	185°	50°	A1	-	-	*	-	-	-
			A2	MX06FHG665-HG	LTE 700/5G 850/LTE 850/ LTE 1900/LTE AWS/LTE AWS3	*	ADD	(1) RRUS 4890	ADD
			A3	MX06FHG665-HG	LTE 700/5G 850/LTE 850/ LTE 1900/LTE AWS/LTE AWS3	*	ADD	(1) RRUS 4490	ADD
			A4	AIR 6419 B77D	5G L-SUB6	*	ADD	-	-
BETA	185°	160°	B1	-	-	*	-	-	-
			B2	MX06FHG665-HG	LTE 700/5G 850/LTE 850/ LTE 1900/LTE AWS/LTE AWS3	*	ADD	(1) RRUS 4890	ADD
			B3	MX06FHG665-HG	LTE 700/5G 850/LTE 850/ LTE 1900/LTE AWS/LTE AWS3	*	ADD	(1) RRUS 4490	ADD
			B4	AIR 6419 B77D	5G L-SUB6	*	ADD	-	-
GAMMA	185°	270°	C1	-	-	*	-	-	-
			C2	MX06FHG665-HG	LTE 700/5G 850/LTE 850/ LTE 1900/LTE AWS/LTE AWS3	*	ADD	(1) RRUS 4890	ADD
			C3	MX06FHG665-HG	LTE 700/5G 850/LTE 850/ LTE 1900/LTE AWS/LTE AWS3	*	ADD	(1) RRUS 4490	ADD
			C4	AIR 6419 B77D	5G L-SUB6	*	ADD	-	-
1. CONFIRM WITH VERIZON WIRELESS REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.									
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.									
* - SEE RFDS FOR VALUES									

CABLE LENGTHS FOR JUMPERS
FIBER DISTRIBUTION/OVP TO RRU: 15'
RRU TO ANTENNA: 10'

2 ANTENNA SCHEDULE

PROPOSED FIBER DISTRIBUTION/OVP BOX		PROPOSED CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RVZDC-6627-PF-48 OVP	ADD	-	(2) 6x12 [(2) 1.43"]	ADD

TEP OPCO LLC

326 TRYON ROAD

RALEIGH, NC 27603-3530

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ATC SITE NUMBER: 370667			
ATC SITE NAME: LAKE CITY			
VERIZON WIRELESS SITE NAME: LAKE CITY ATC			
SITE ADDRESS: 5348 NW US HWY 41 LAKE CITY, FL 32055-5550			
REV.	DESCRIPTION	BY	DATE
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0	100% CONSTRUCTION	KAG	12/10/24

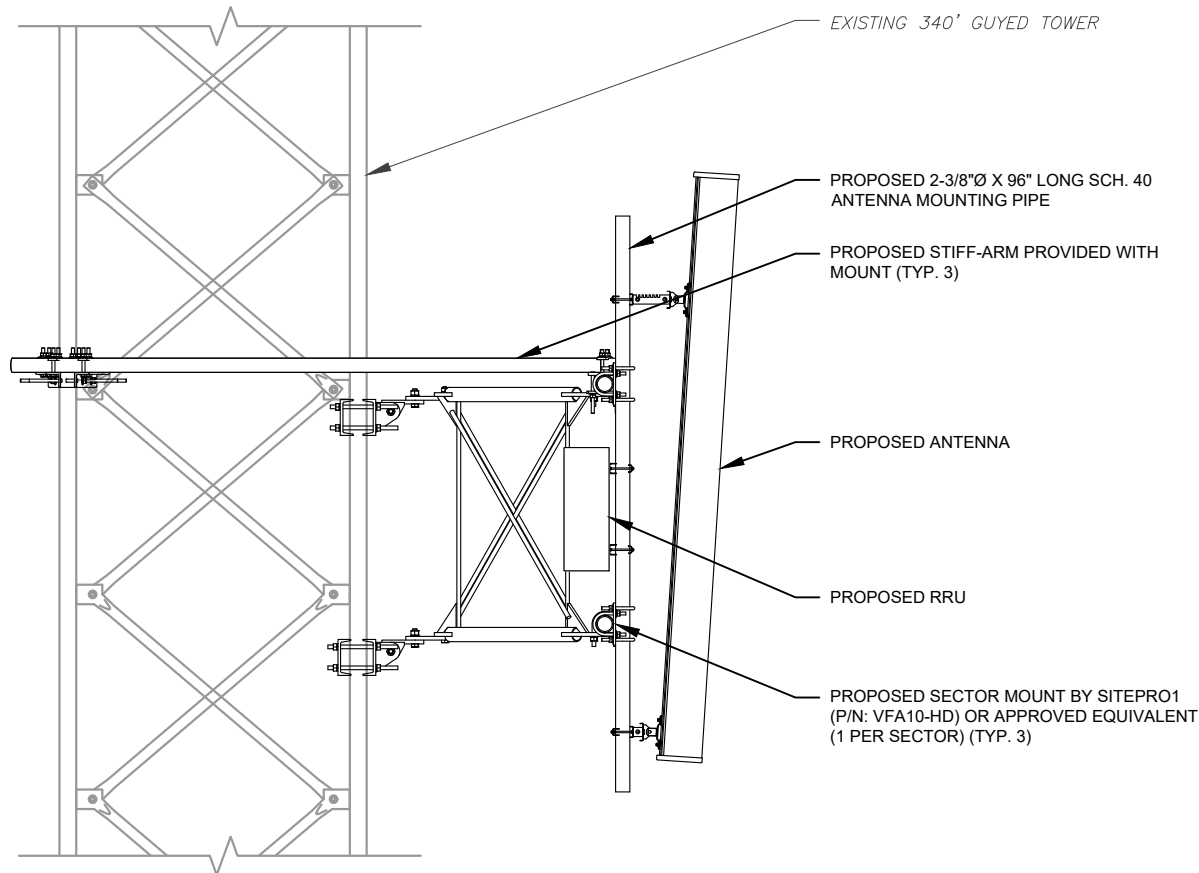
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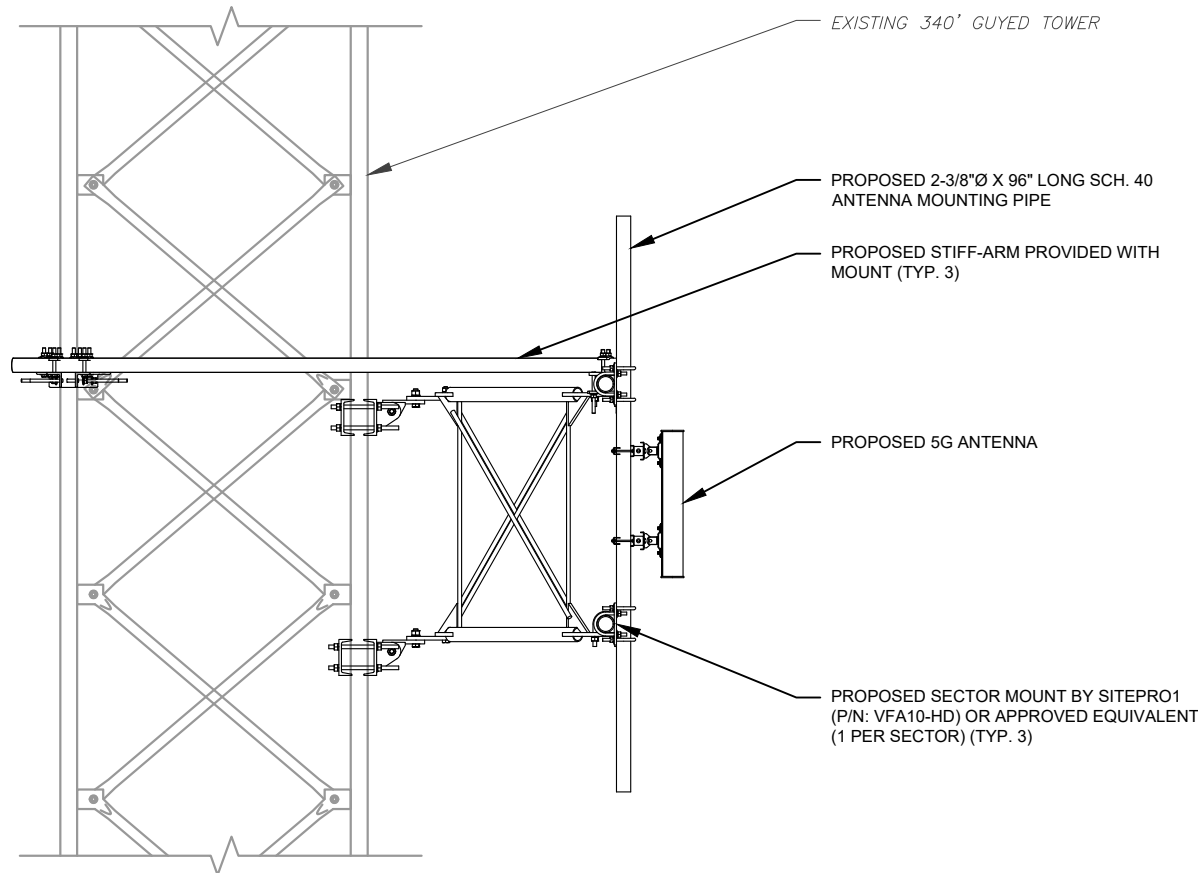


DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

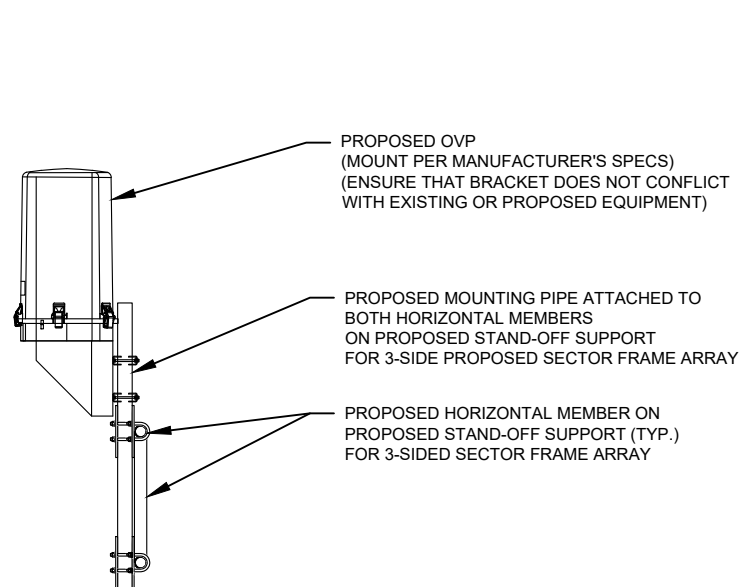
ANTENNA INFORMATION & SCHEDULE	
SHEET NUMBER: C-401	REVISION: 0



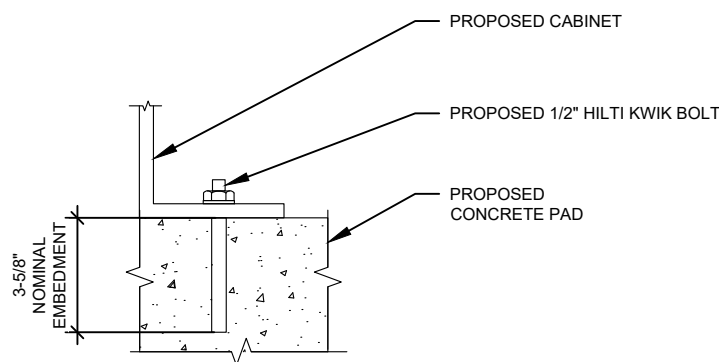
1 PROPOSED ANTENNA MOUNTING DETAIL
SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

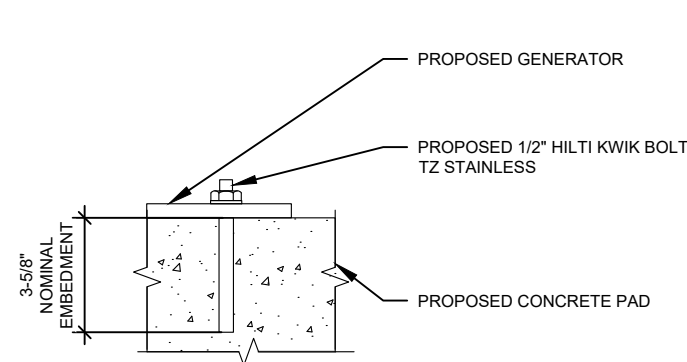


3 PROPOSED OVP MOUNTING DETAIL
SCALE: N.T.S.



4 CABINET ATTACHMENT DETAIL
SCALE: N.T.S.

NOTE:
INSTALL HILTI KWIK BOLT ANCHORS STRICTLY PER
INSTALLATION INSTRUCTIONS INCLUDED WITH PRODUCT OR
FOUND ONLINE AT WWW.US.HILTI.COM. PROPER
INSTALLATION IS CRITICAL FOR FULL PERFORMANCE.



5 GENERATOR ATTACHMENT DETAIL
SCALE: NOT TO SCALE

NOTE:
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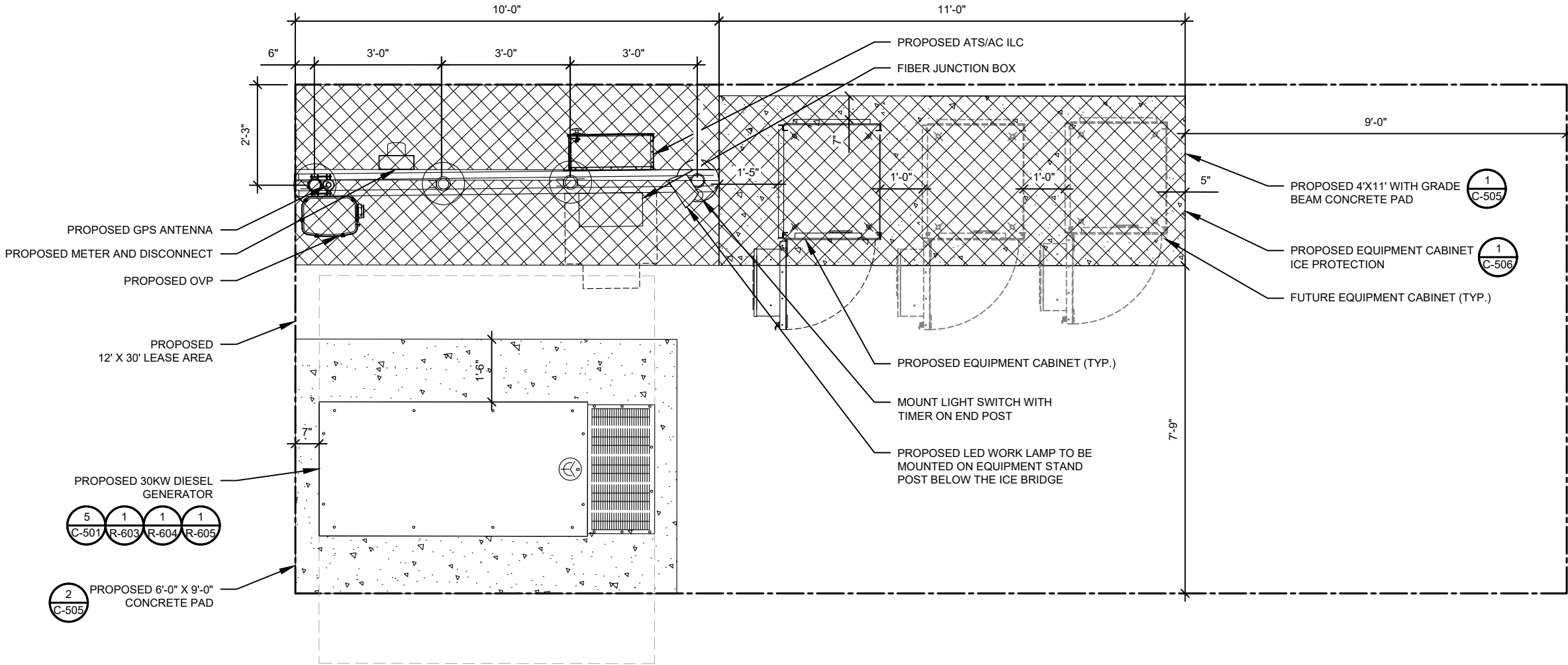
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DATE DRAWN:	12/10/24
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CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

CONSTRUCTION
DETAILS

SHEET NUMBER:	REVISION:
C-501	0



1 DETAILED EQUIPMENT LAYOUT
SCALE: NOT TO SCALE

VERIZON WIRELESS PROVIDED EQUIPMENT

- CHARLES INDUSTRIES CUBE-SS4B231PX2 EQUIPMENT WITH BATTERY CHARGER
- RAYCAP OVP-12 (RCMDC-6627-PF-48)

CONTRACTOR PROVIDED EQUIPMENT

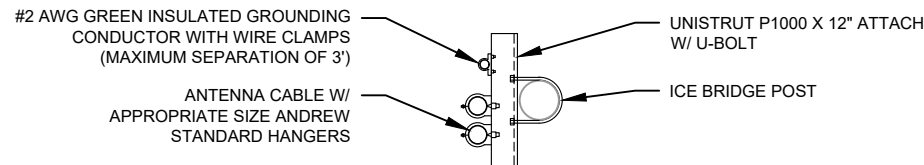
* THIS IS NOT A COMPREHENSIVE LIST. IT SHOULD BE ASSUMED BY THE CONTRACTOR THAT ALL OTHER ITEMS DETAILED IN THIS SET OF DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR.

- 18"X18" FIBER JUNCTION BOX, NEMA 3R CABINET ENCLOSURE WITH WOODEN BACKBOARD, PADLOCK LATCH, AND COMBINATION LOCK (USE FOR DARK FIBER)

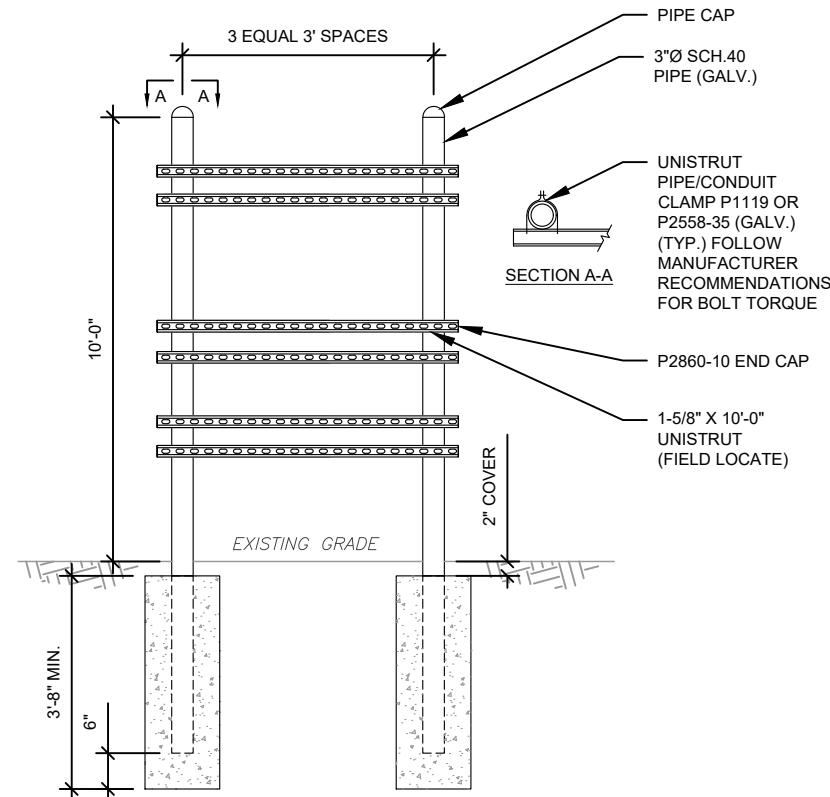
- 26.2" WIDE X 78" TALL X 12.3" DEEP ASCO D300L SERIES POWER TRANSFER LOAD CENTER MODEL AA300G-1PH-N-3R INTEGRATED LOAD CENTER "ILC" WITH COMBINATION PAD LOCK.

- 22" WIDE X 26" TALL X 20" DEEP CHARLES INDUSTRIES CUBE-RL1003C-1 WITH HEAT EXCHANGER (120V) WITH TRIPP-LITE UPS PART #SM1200RML2UTAA INSIDE (ONLY REQUIRED WHEN VZT PROVIDES LIT FIBER. UTILITY COORDINATOR MUST VERIFY IF NEEDED)

- COORDINATE ADDITIONAL ENTRY GATE LOCK(S) WITH CONSTRUCTION MANAGER



2 WAVEGUIDE UNISTRUT
SCALE: NOT TO SCALE



3 TYPICAL H-FRAME AND ICE BRIDGE POST DETAIL
SCALE: NOT TO SCALE



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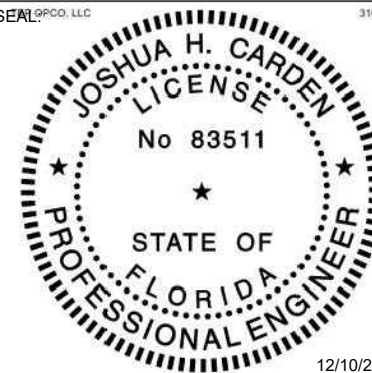
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31011



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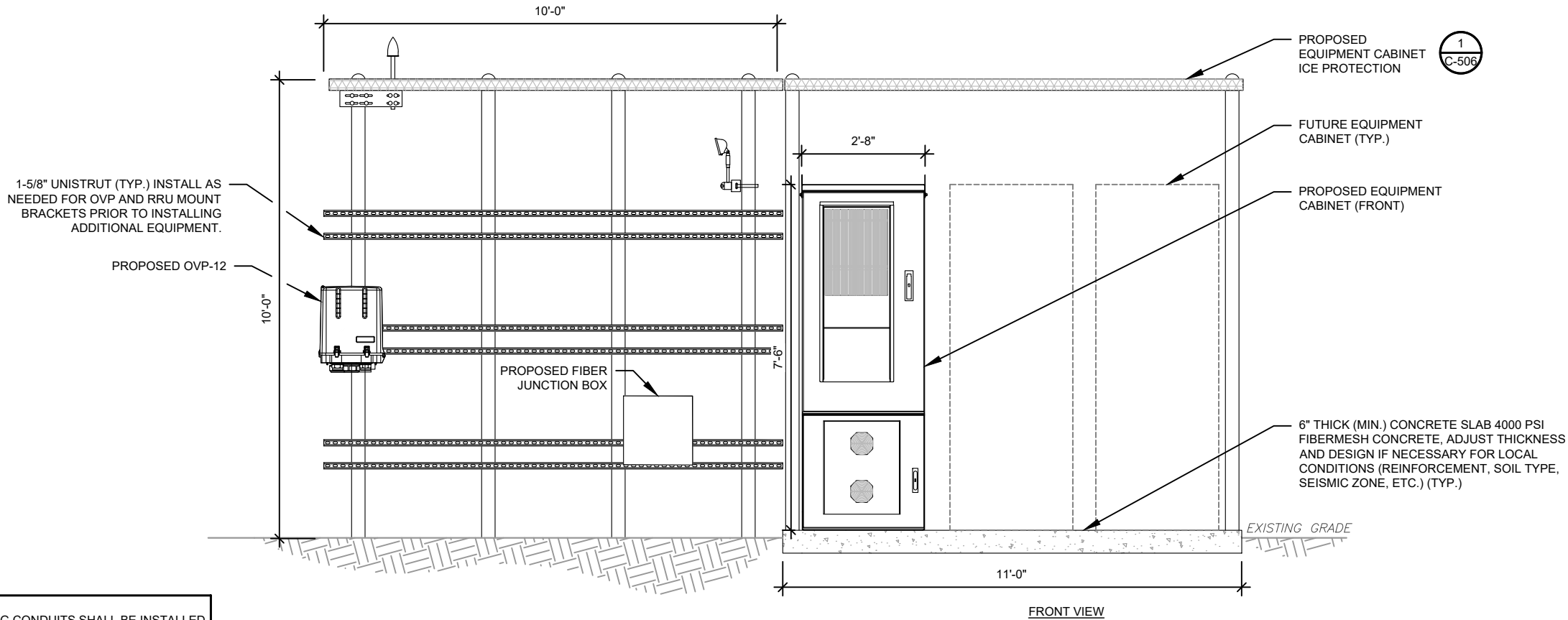
CONSTRUCTION
DETAILS

SHEET NUMBER:

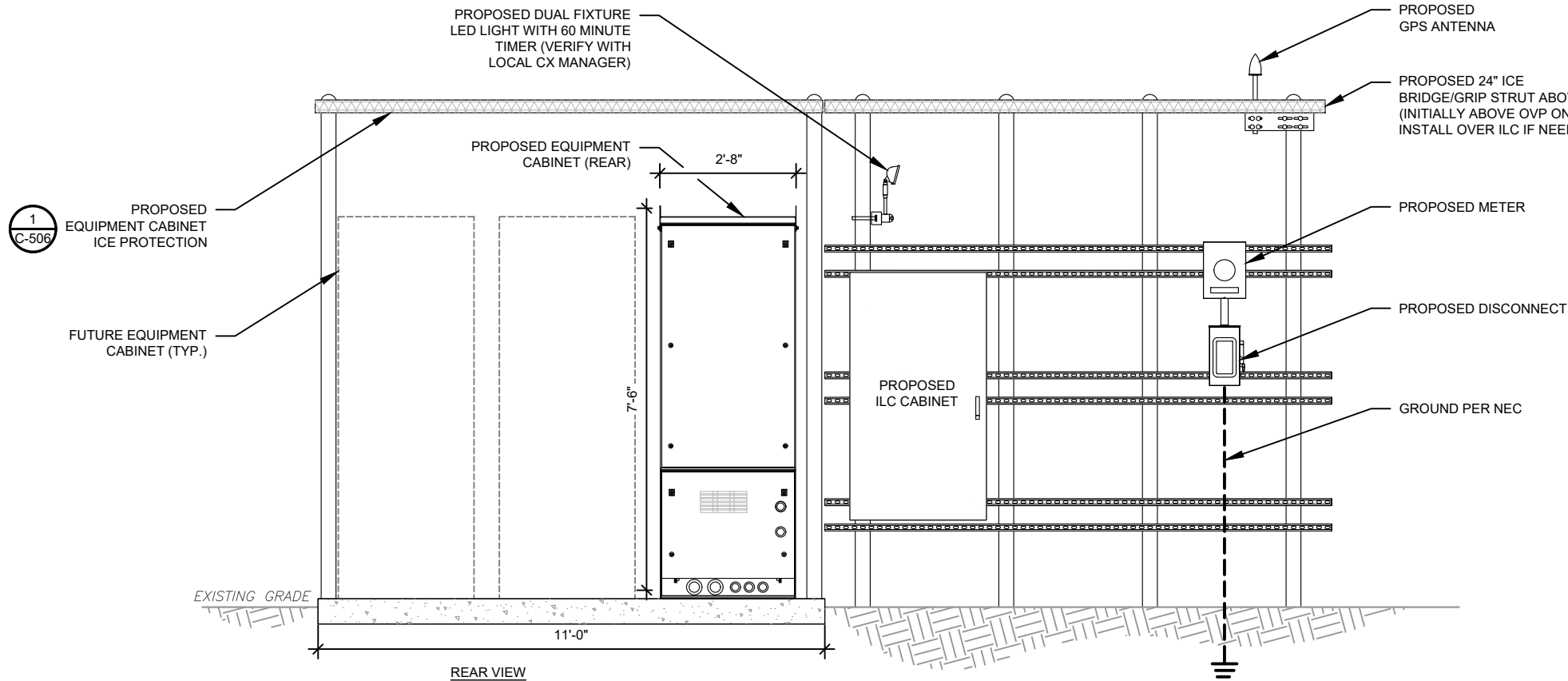
C-502

REVISION:

0



- NOTES:
- INTERCONNECTING CONDUITS SHALL BE INSTALLED AT OR ABOVE GRADE.
 - BOTTOM OF OVP'S SHALL NOT EXCEED 36" ABOVE FINISHED GRADE.



1 DETAILED H-FRAME LAYOUT
SCALE: NOT TO SCALE



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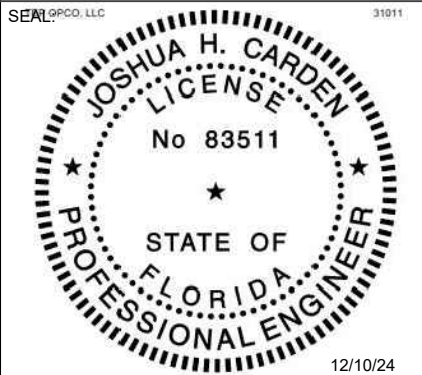
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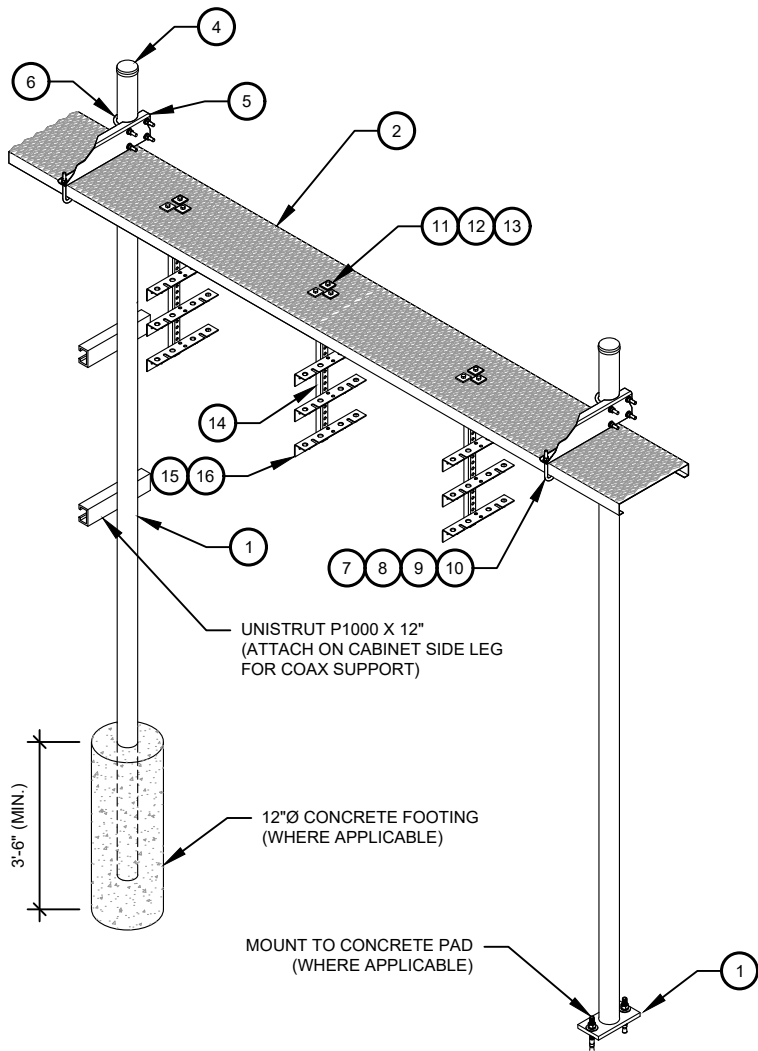


DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

CONSTRUCTION DETAILS	
SHEET NUMBER: C-503	REVISION: 0

CONSTRUCTION NOTE:

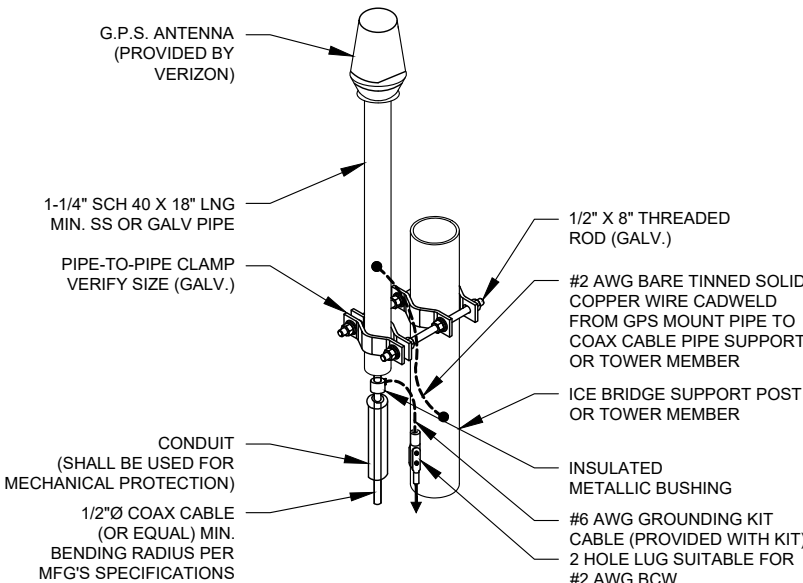
1. INSTALL ICE BRIDGE TO ALLOW 7 FEET CLEARANCE ABOVE GRADE TO LOWEST APPURTENANCE.



WB-K210-B WAVEGUIDE BRIDGE KIT - BILL OF MATERIALS (INCLUDED WITH KIT UNLESS NOTED OTHERWISE)					
ITEM	PART NUMBER	DESCRIPTION	ITEM	PART NUMBER	DESCRIPTION
1	MF126.01 MF-130	10'-4" COLUMN & BASE SHOE* 13'-4" PIPE COLUMN	9	GWL-04	1/2" GALV LOCK WASHER
2	WB-CY210	SAFETY GRATING 24" X 10'	10	GN-04	1/2" GALV HEX NUT
3	WBK110BHK	HARDWARE KIT (ITEMS 4-16)	11	GB-03205	3/8" X 2" GALV BOLT KIT
4	PC-034	PIPE CAP 3-1/2"	12	MT-387	SQUARE WASHER, 1-1/2" X 1-1/2" W/ 7/16" HOLE
5	WBLB243.08	24" WAVEGUIDE BRIDGE SUPPORT BRACKET	13	GWFF-03	3/8" GALV FLAT WASHER
6	GUB-4356	1/2" X 3-5/8" X 6" GALV U-BOLT	14	WBT243.01	VERTICAL TRAPEZE SECTION
7	WB-JB-6	1/2" J-BOLT	15	GB-03105	3/8" X 1" GALV BOLT KIT
8	GWFF-04	1/2" GALV FLAT WASHER	16	WBT243.02	HORIZONTAL TRAPEZE SECTION

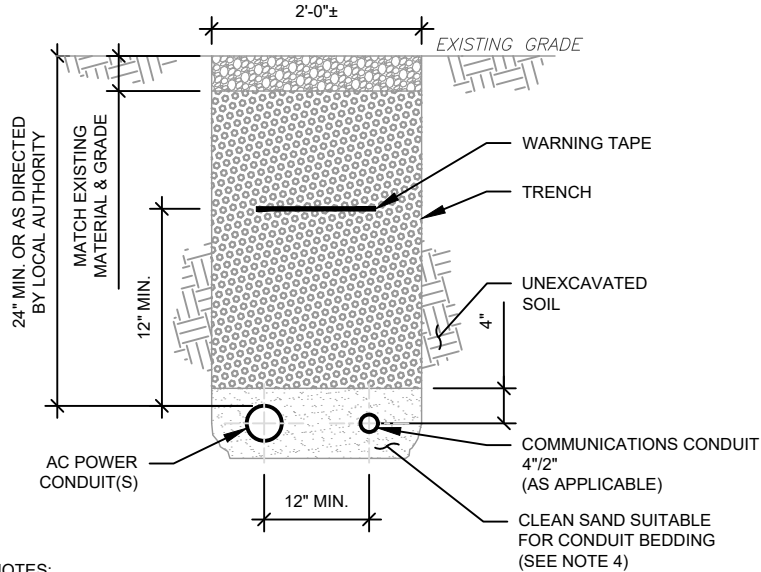
CONTRACTOR SHALL USE PARTS MANUFACTURED BY COMMScope OR APPROVED EQUIVALENT.
*BASE SHOE NOT INCLUDED IN WB-K210-B KIT, ORDER COLUMN SEPARATELY OR KIT WB-K210-S.

1 WAVEGUIDE BRIDGE KIT
SCALE: NOT TO SCALE



- NOTES:
1. GPS SHALL BE PLACED WITH CLEAR SIGHT LINE TO THE SOUTHERN SKY.
2. CONTRACTOR TO SUPPLY COAX FOR GPS UNIT.

2 GPS ANTENNA ATTACHMENT DETAIL
SCALE: NOT TO SCALE



TRENCH NOTES:

1. IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL.
2. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
3. IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.
4. USE COMMUNICATIONS ONLY TRENCH FOR COMMUNICATIONS CONDUIT UNLESS TRAVELING UNDER PATH OF VEHICLE TRAVEL, THEN CONDUIT MUST BE 24" MIN. BELOW GRADE.
5. CONFIRM SPACING AND DEPTH WITH NEC OR LOCAL CODE REQUIREMENTS

3 POWER/TELCO CONDUIT TRENCH DETAILS
SCALE: N.T.S.



TEP OPCO LLC
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
FL COA#: 31011

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370667
ATC SITE NAME:
LAKE CITY
VERIZON WIRELESS SITE NAME:
LAKE CITY ATC
SITE ADDRESS:
5348 NW US HWY 41
LAKE CITY, FL 32055-5550

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	PSG	10/09/24
0	100% CONSTRUCTION	KAG	12/10/24

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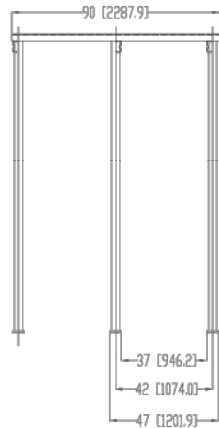
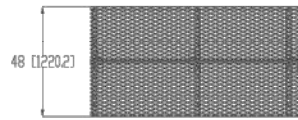
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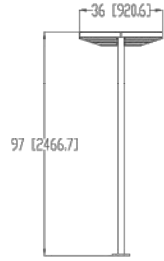
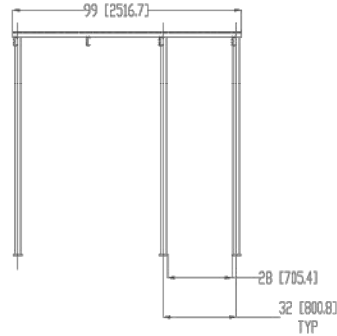
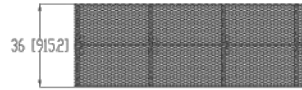
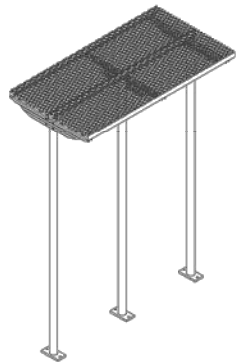
DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

CONSTRUCTION
DETAILS

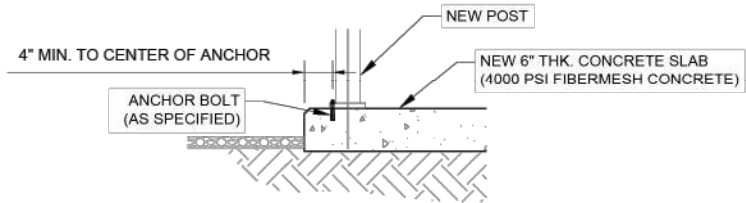
SHEET NUMBER: C-504	REVISION: 0
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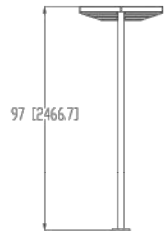
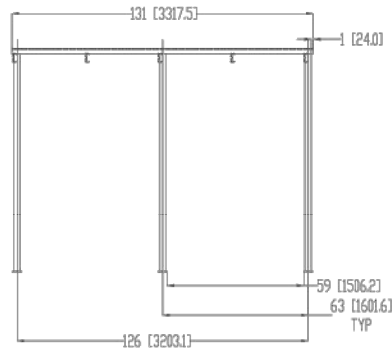
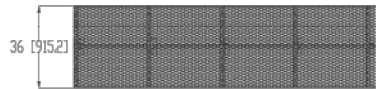
2 CABINETS ICE PROTECTION



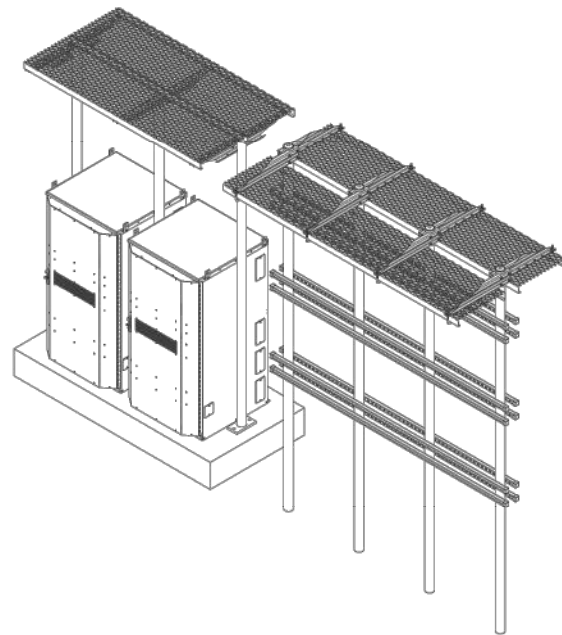
3 CABINETS ICE PROTECTION



POST ANCHOR DETAIL



4 CABINETS ICE PROTECTION



CONCEPTUAL VIEW



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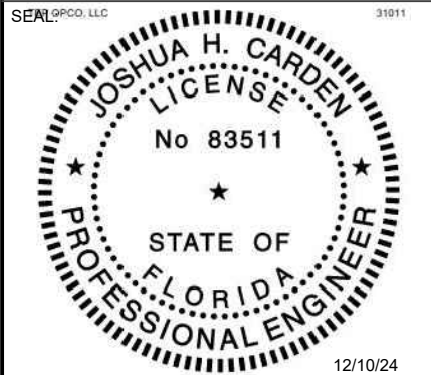
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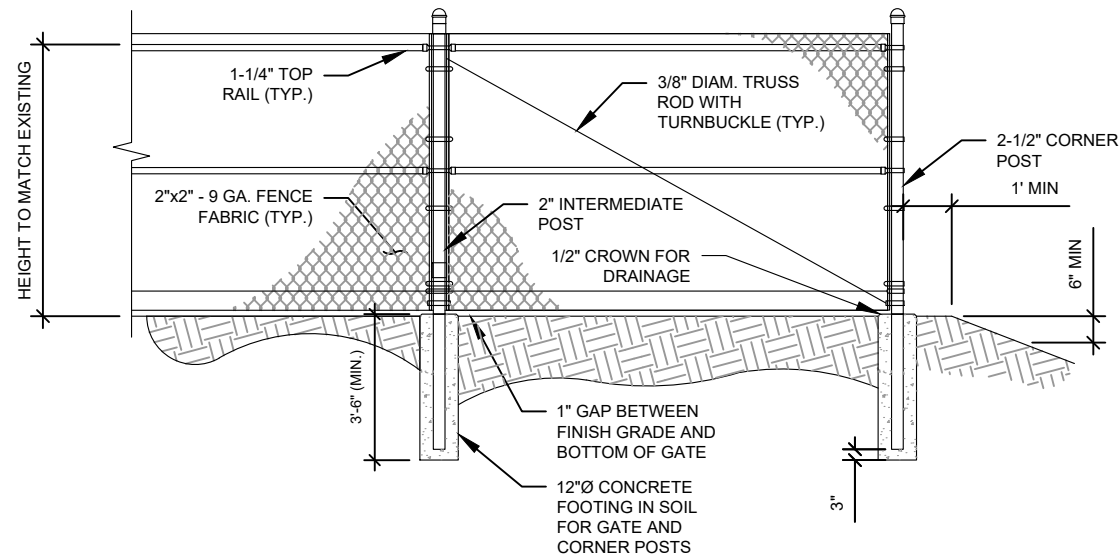
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CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

CONSTRUCTION
DETAILS

SHEET NUMBER: C-506	REVISION: 0
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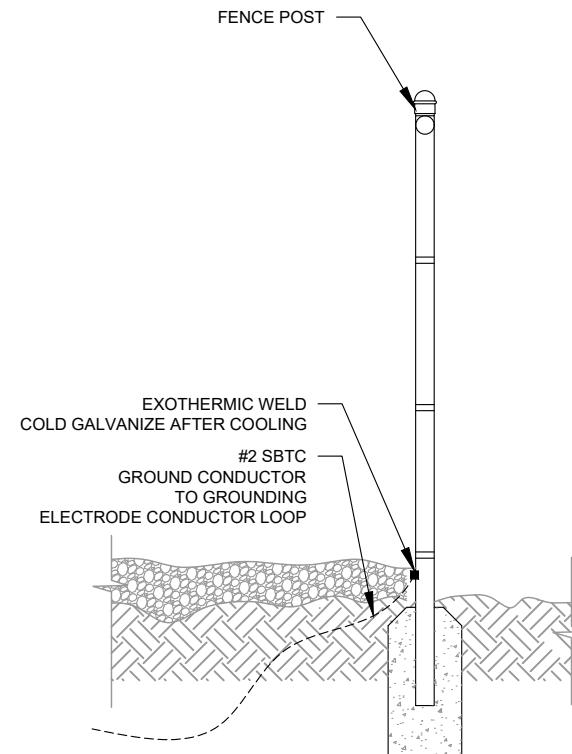
FENCE NOTES:

1. POSTS NOT TO EXCEED A MAXIMUM SEPRATION OF 10 FEET.

AMERICAN TOWER CONSTRUCTION SPECIFICATION:

1. DIVISION 32 EXTERIOR IMPROVEMENTS SECTION 0323113 FOR CHAIN LINK FENCE AND GATES

1 FENCE DETAIL
SCALE: N.T.S.



2 FENCE GROUNDING DETAIL
SCALE: N.T.S.



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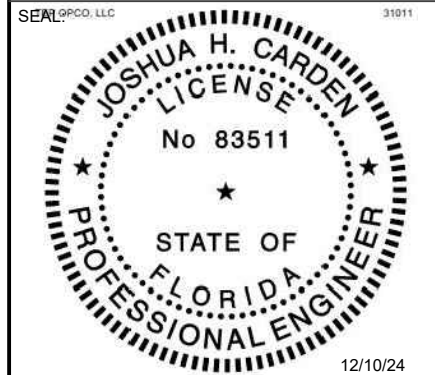
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CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

CONSTRUCTION
DETAILS

SHEET NUMBER:

C-507

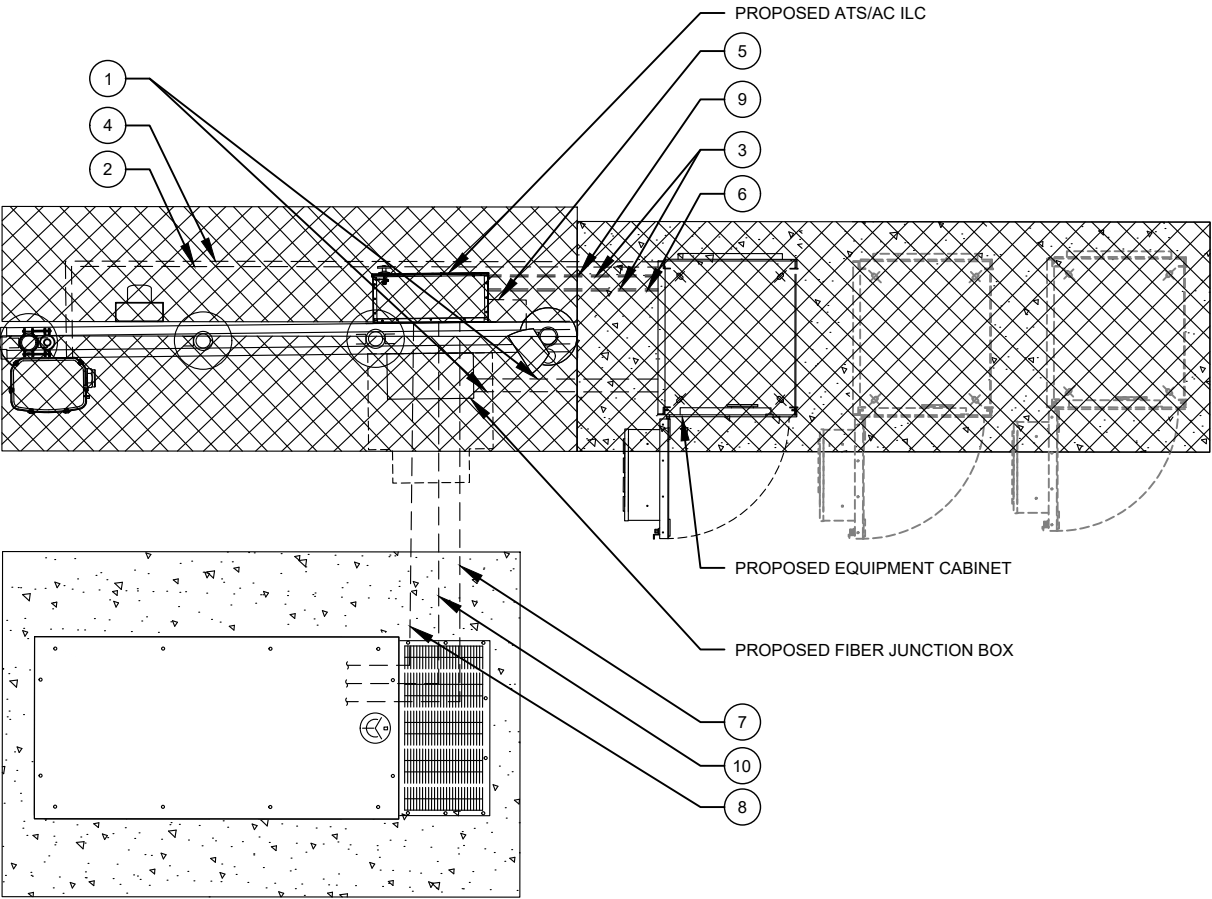
REVISION:

0

CONDUIT KEYED NOTES:

- 1 FIBER CONDUITS
(2) 2" SCH. 40 PVC CONDUIT WITH MULE TAPE FROM TELCO BOX TO THE EQUIPMENT CABINET.
- 2 (1) 1-1/2" LFMC FOR FIBER & ALARM FROM EQUIPMENT CABINET TO OVP
- 3 AC POWER CONDUITS
(2) 1" CONDUIT EACH W/ (6) #8 AWG + (2) #10 GND FROM THE ILC TO THE EQUIPMENT CABINET FOR (4) 30 AMP 2-POLE CIRCUITS.
- 4 (1) 2" LFMC WITH (12) #6 (6 PAIRS) & (6) # 6 G FROM EQUIPMENT CABINET TO OVP.
- 5 (1) 3/4" CONDUIT WITH (2) #12 & (1) #10 G FROM ILC TO GFI RECEPTACLE/LIGHT.
- 6 (1) 1-1/2" CONDUIT WITH PULLSTRING FOR FUTURE RECTIFIER CIRCUITS FROM EQUIPMENT CABINET TO ILC.
- 7 (1) 2" CONDUIT WITH (3) #3/0 & (1) #4 GND FROM THE ILC TO THE GENERATOR.
- 8 (1) 1" CONDUIT WITH (4) #12 & (2) #10 GND FROM ILC TO GENERATOR. (GEN HEATER & BATTERY CHARGER)
- 9 ALARM/MISCELLANEOUS CONDUITS
(1) 1" CONDUIT FROM ILC TO EQUIPMENT CABINET FOR ILC ALARMS.
- 10 (1) 1" CONDUIT FROM ILC TO GENERATOR FOR GEN CONTROLS & ALARMS.

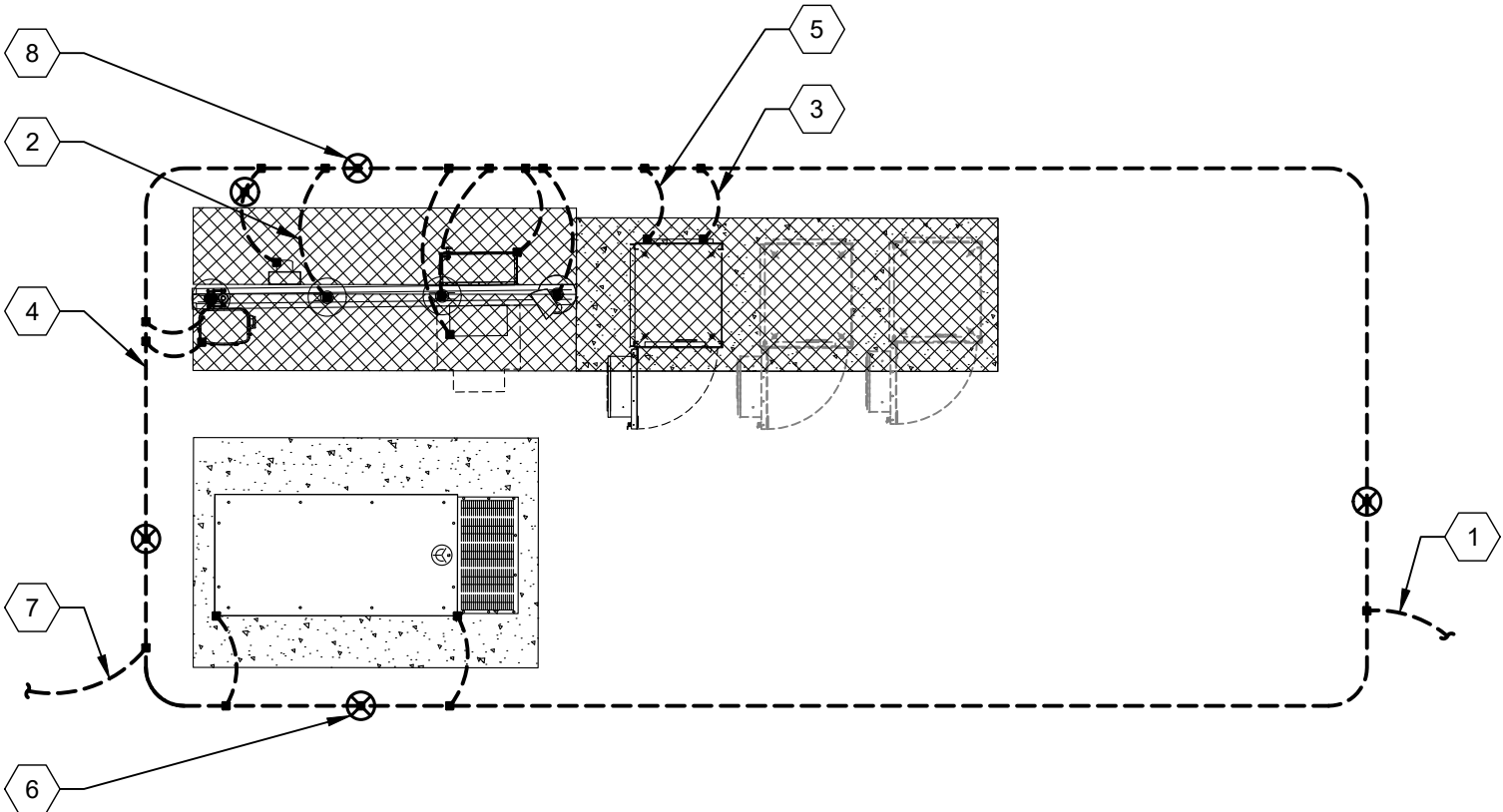
NOTE:
BELOW GRADE CONDUIT SHALL BE SCHEDULE 80 PVC. ABOVE GRADE CONDUIT SHALL BE GALVANIZED RIGID CONDUIT. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO GRC PRIOR TO RISING ABOVE GRADE. ALL BENDS SHALL HAVE MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST AS NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.



1 DETAILED CONDUIT LAYOUT
SCALE: NOT TO SCALE

GROUNDING KEYED NOTES:

- 1 BOND TO TOWER GROUND RING
- 2 #2 AWG BOND FROM VERTICAL H-FRAME AND ICE BRIDGE POST TO EXTERNAL GROUND RING (TYP. EVERY POST).
- 3 EQUIPMENT BOND TO GROUND RING (TYP.).
- 4 #2 GROUND RING
- 5 GROUNDING ELECTRODE CONDUCTOR PER NEC
- 6 GROUNDING ELECTRODE (TYP.)
- 7 BOND TO COMPOUND GROUND RING
- 8 GROUNDING ELECTRODE WITH TEST WELL



2 DETAILED GROUNDING LAYOUT
SCALE: NOT TO SCALE



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DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

GROUNDING PLAN
AND NOTES

SHEET NUMBER: E-101	REVISION: 0
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FIELD VERIFY FEEDER
SIZE IS RATED 200A,
240V, 1PH, 3W ELECTRIC
SERVICE

TO UTILITY POLE

(3) #3/0 CU, 2"C

SERVICE RATED FUSED
DISCONNECT SWITCH

3-#3/0 AWG CU,
1-#6 AWG CU G
2"C

4 AWG MBL
4 AWG GEC

3-#1/0 AWG
6 AWG G
2" CONDUIT
(185 LF MAX)

GEN MAIN
DISCONNECT/
FUSED SWITCH

150A

VERIZON WIRELESS
30KW DIESEL GENERATOR

30KW 120/240V, DIESEL
GENERATOR WITH 150A MAIN
BREAKER. GENERATOR IS IN A
NEMA 3R ENCLOSURE SUPPLIED
WITH 1500W 120V BLOCK HEATER.

NOTE: THE GENERATOR USED IN
CONJUNCTION WITH A 2P ILC
WITH A SOLID NEUTRAL IS NOT A
SEPERATELY DERIVED SYSTEM. AS
SUCH, DO NOT BOND THE NEUTRAL
TO GROUND AT THE GENERATOR.

VERIZON WIRELESS ILC
CABINET WITH 2P/200A
UTILITY BREAKER AND
OPTIONAL 2P/200A CAM
LOCK BREAKER
MECHANICALLY
INTERLOCKED WITH
WALKING BEAM TRANSFER
SWITCH AND 30 BRANCH
LOAD CENTER

1" CONDUIT FOR GEN. CONTROLS & ALARMS

2-#12 AWG
#10 GND
3/4" CONDUIT

4-#12 AWG, 2-#10 GND,
1" CONDUIT (FOR GEN. HEATER & BATT CHARGER)

1" CONDUIT FOR ILC ALARMS

(2) 1" CONDUIT EACH WITH 6-#8 AWG, 2-#10 GND
(INSTALL (2) 1" CONDUIT WITH PULL STRING
FOR FUTURE RECTIFIER CIRCUITS) ROUTE
CONDUIT ABOVE GROUND. SECURE TO
EQUIPMENT FRAME.

PRIMARY
CABINET

12-#6 AWG (6 PAIRS)
6-#6 AWG GND
(1) 2" LFMC

OVP-12

FIBER HANDHOLE/
MEET-ME POINT
AT ROW

(1) 2" CONDUIT FOR
DARK FIBER *
AND (1) 2" CONDUIT
FOR EBH IF NEEDED **

VZW FIBER HANDHOLE
(OR JUNCTION BOX ON
COMMON USE UTILITY
FRAME) IN COMPOUND

(1) 2" CONDUIT
(FOR DARK FIBER OR
EBH AS NEEDED)

VZW EQUIPMENT FRAME
TERMINATION POINT
(18"X18" FIBER JUNCTION
BOX FOR DARK FIBER OR
CHARLES CABINET AS
NEEDED FOR EBH)

(1) 2" RMC STRAIGHT RUN AT
GRADE (CLAMP TO EQUIPMENT
FRAME POSTS), TRANSITION TO 2"
LFMC AT EACH FOR EQUIPMENT
CABINET CONNECTIONS

PRIMARY
CABINET

1-1/2" LFMC FOR
FIBER AND ALARM
(SHIELDED CAT 5)
AS NEEDED

OVP-12

(1) 2" CONDUIT
(FOR EBH IF NEEDED)

EBH DEMARC
(IF REQUIRED.
VERIFY REQUIREMENTS
WITH EBH PROVIDER)

FIBER SINGLE LINE DIAGRAM

NOTES:
* ADD (1) ADDITIONAL 2" CONDUIT FOR DARK FIBER (2 TOTAL) IF REQUIRED BY
LOCAL MARKET FACILITIES. VERIFY PRIOR TO CONSTRUCTION. (ADD 2 PULL STRINGS
TO EACH CONDUIT)
** VERIFY EBH REQUIREMENTS WITH TELCO PROVIDER PRIOR TO CONSTRUCTION.
(ADD 2 PULL STRINGS TO EACH CONDUIT)

ELECTRICAL SINGLE LINE DIAGRAM

NOTES:
1. ALL EQUIPMENT SHALL BE NEMA 3R RATED.
2. ALL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH TIA-222-G AND VERIZON WIRELESS
STANDARDS.
3. CONDUCTOR SIZES AND DISTANCES HAVE BEEN SIZED FOR 3% MAX VOLTAGE DROP. (TOTAL SYSTEM VOLTAGE DROP
ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST DEMAND SHALL NOT EXCEED 5%)
4. WIRE SIZING AND MAXIMUM DISTANCE FROM GENERATOR TO ILC ASSUMES POWER FACTOR OF 0.9.
5. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO RMC PRIOR TO RISING ABOVE GRADE, ALL BENDS SHALL HAVE A
MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT
TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST IF NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND
LOCAL CODE REQUIREMENTS AS REQUIRED.

PANEL DESIGNATION: VZW		TYPE: LIGHTING & APPLIANCE	SYSTEM: 120/240V, 3W, 30 CKT		LOCATION: VZW LEASE AREA	
		MOUNTING: SURFACE	MAIN BREAKER (MB): MLO			
		ENCLOSURE: NEMA 3R	MAIN BUS RATING: 200A		PANEL NOTES: ASCO D300L SERIES	
			MIN. A.I.C. RATING: 65K			

CONNECTED LOAD (kVA)		BRIEF DESCRIPTION	FEEDER OR BRANCH CIRCUIT			FEEDER OR BRANCH CIRCUIT		BRIEF DESCRIPTION	CONNECTED LOAD (kVA)	
			BREAKER			POLE NO.	POLE NO.		BREAKER	
A	B		AMPS	POLES	NO.		NO.			
2.88		RECTIFIER	30	2	1		2	SPACE	0.00	
	2.88				3		4	SPACE		0.00
2.88		RECTIFIER	30	2	5		6	SPACE	0.00	
	2.88				7		8	SPACE		0.00
2.88		RECTIFIER	30	2	9		10	SPACE	0.00	
	2.88				11		12	SPACE		0.00
2.88		RECTIFIER	30	2	13		14	SPACE	0.00	
	2.88				15		16	SPACE		0.00
0.68		GFI RECEPT / LIGHT	20	1	17		18	SPACE	0.00	
	1.92	GEN BLOCK HEATER	20	1	19		20	SPACE		0.00
1.92		BATTERY CHARGER	20	1	21		22	SPACE	0.00	
	0.00	SPACE			23		24	SPACE		0.00
0.00		SPACE			25		26	SPACE	0.00	
	0.00	SPACE			27		28	SPACE		0.00
0.00		SPACE			29		30	SPACE	0.00	
14.1	13.4					A	B	TOTAL		
						14.1	13.4	27.6	CONNECTED LOAD (kVA)	
						14.1	13.4	27.6	DEMAND LOAD (kVA)	
								DERATING FACTOR (80%)		
								DEMANDLOAD SIZING: 147 AMPS		

PANEL SCHEDULE

NOTES:
1. ALL CONDUCTORS ARE TYPE THWN (75°C) COPPER.
2. MAXIMUM LENGTH OF RUN FOR RECTIFIER CIRCUITS IS 50 FT.



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VERIZON WIRELESS SITE NAME:
LAKE CITY ATC

SITE ADDRESS:
5348 NW US HWY 41
LAKE CITY, FL 32055-5550

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	PSG	10/09/24
B	100% CONSTRUCTION	KAG	12/10/24

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SEAL: TEP OPCO, LLC 31011



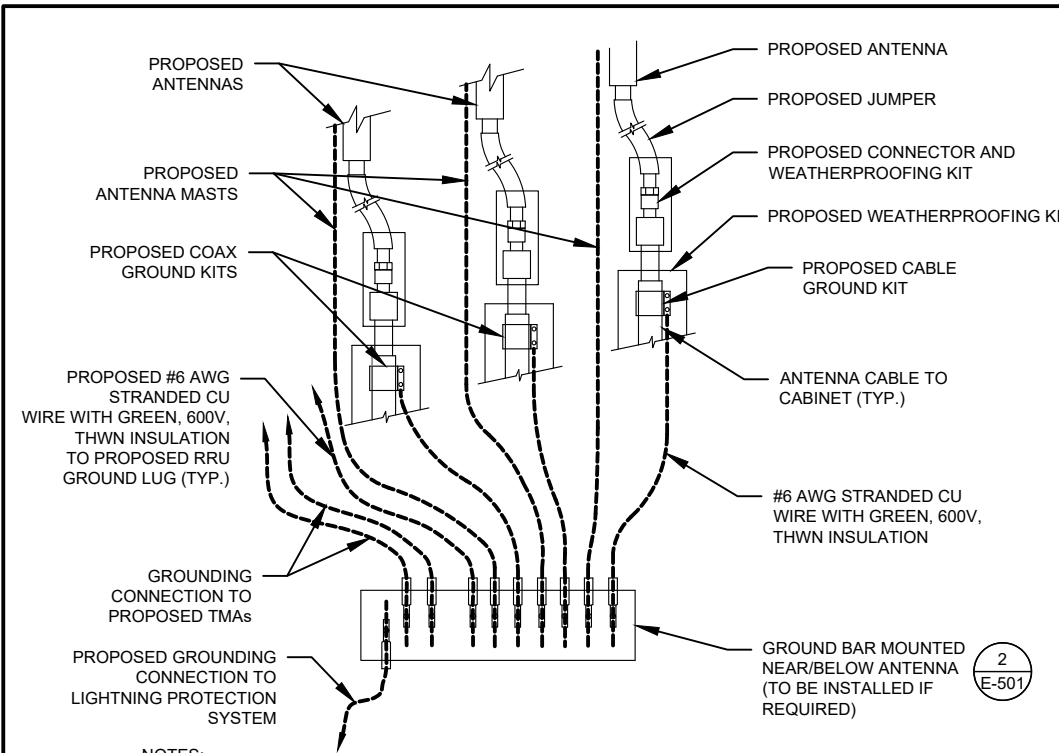
12/10/24



DATE DRAWN:	12/10/24
ATC JOB NO:	14873543
CUSTOMER NAME:	LAKE CITY ATC
CUSTOMER ID:	5000957580

ONE-LINE & PANEL
SCHEDULE

SHEET NUMBER: E-102	REVISION: 0
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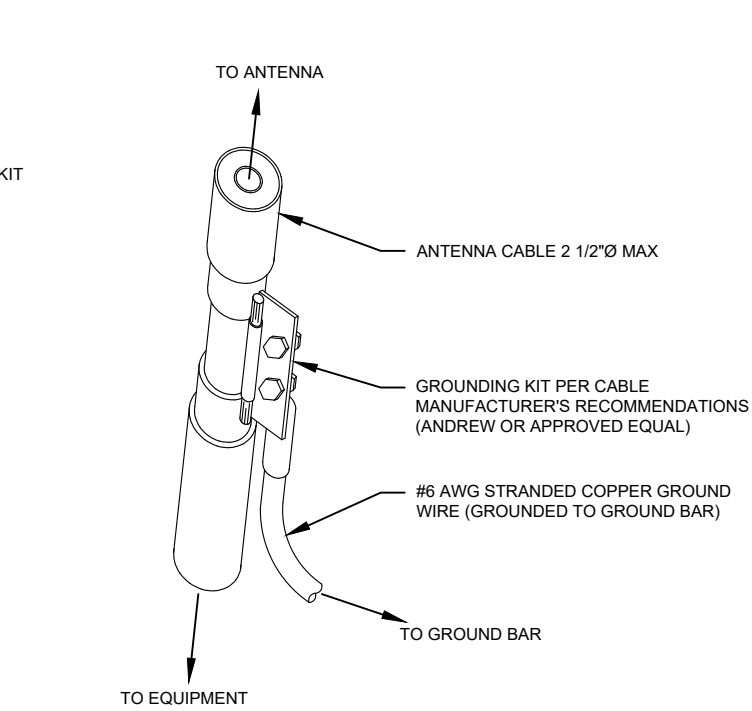


NOTES:

- THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
- SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

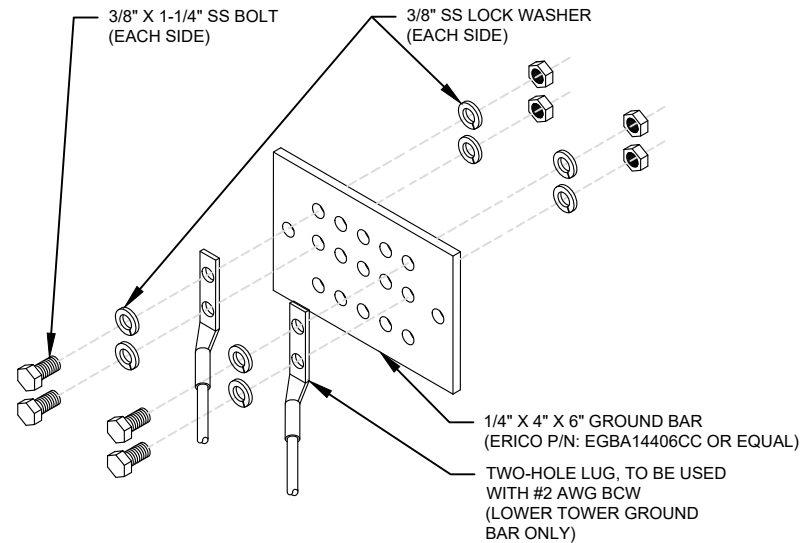


GROUND KIT NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: NOT TO SCALE

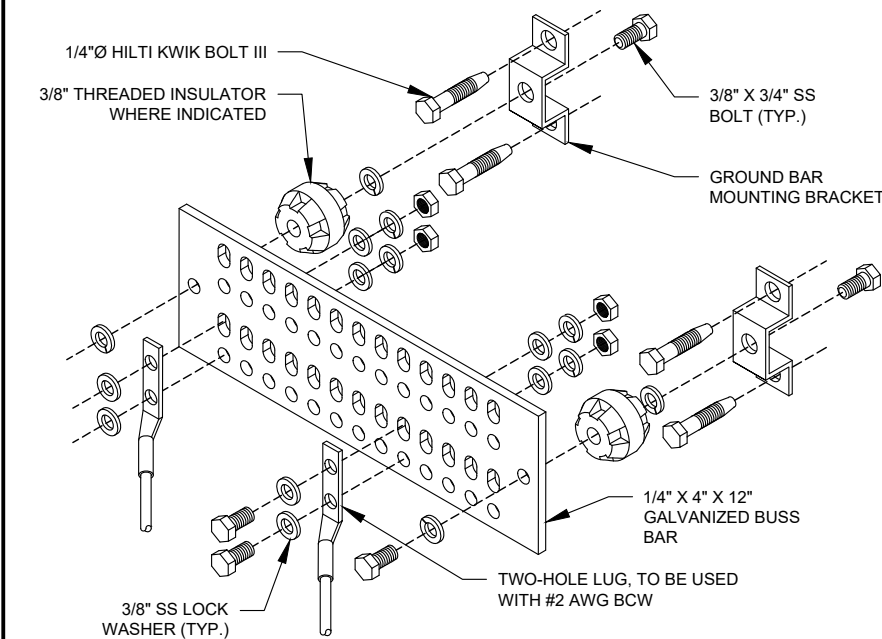


GROUND BAR NOTES:

- GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
- GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

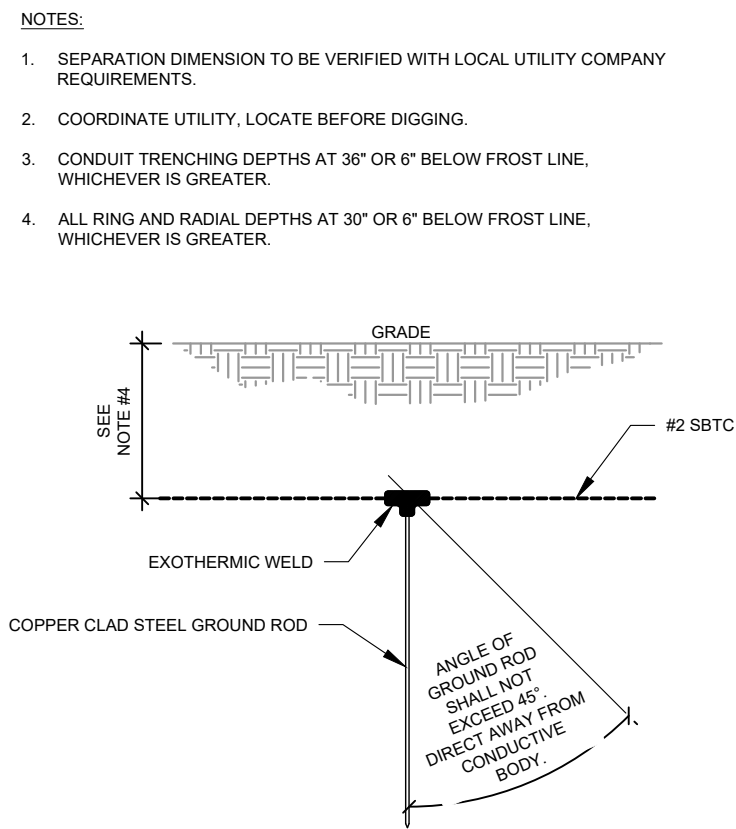


GROUND BAR NOTES

- GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
- GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

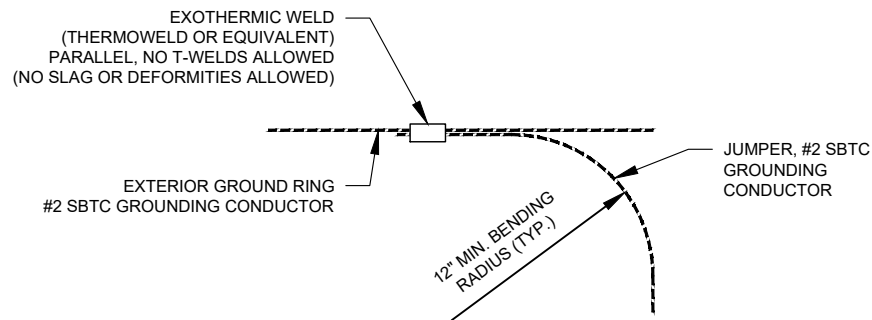
4 MAIN GROUND BAR DETAIL

SCALE: NOT TO SCALE



5 GROUND ROD DETAIL

SCALE: NOT TO SCALE



6 TIE CONNECTION DETAIL

SCALE: NOT TO SCALE



TEP OPCO LLC
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
FL COA#: 31011

TEP IS A FAMILY OF COMPANIES LICENSED TO PROVIDE DIFFERENT SERVICES IN DIFFERENT JURISDICTIONS. DEPENDING ON THE JURISDICTION, PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY, TEP ENGINEERING, LLC, A NORTH CAROLINA PROFESSIONAL LIMITED LIABILITY COMPANY, OR M&H ENGINEERING, LLC, A NEW YORK PROFESSIONAL LIMITED LIABILITY COMPANY. GENERAL CONTRACTOR SERVICES ARE PROVIDED BY TEP OPCO LLC, A DELAWARE LIMITED LIABILITY COMPANY. WE ACQUIRE THE REQUISITE LICENSES IN EACH STATE. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE COMPANY.

ATC SITE NUMBER:
370667

ATC SITE NAME:
LAKE CITY

VERIZON WIRELESS SITE NAME:
LAKE CITY ATC

SITE ADDRESS:

5348 NW US HWY 41
LAKE CITY, FL 32055-5550

REV.	DESCRIPTION	BY	DATE
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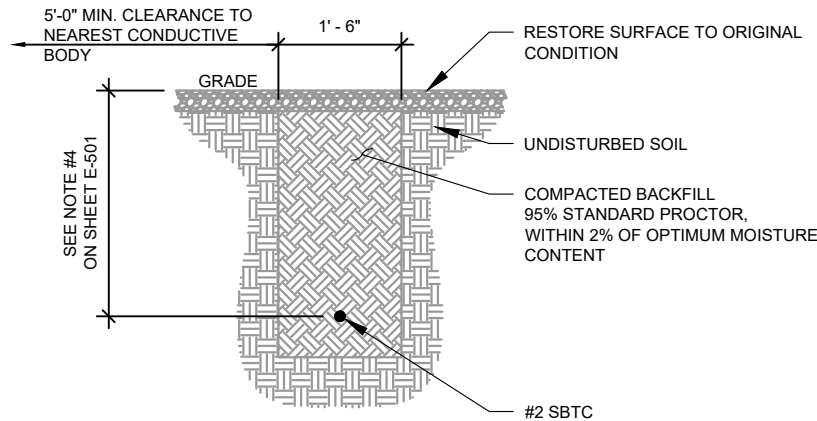
GROUNDING DETAILS

SHEET NUMBER:

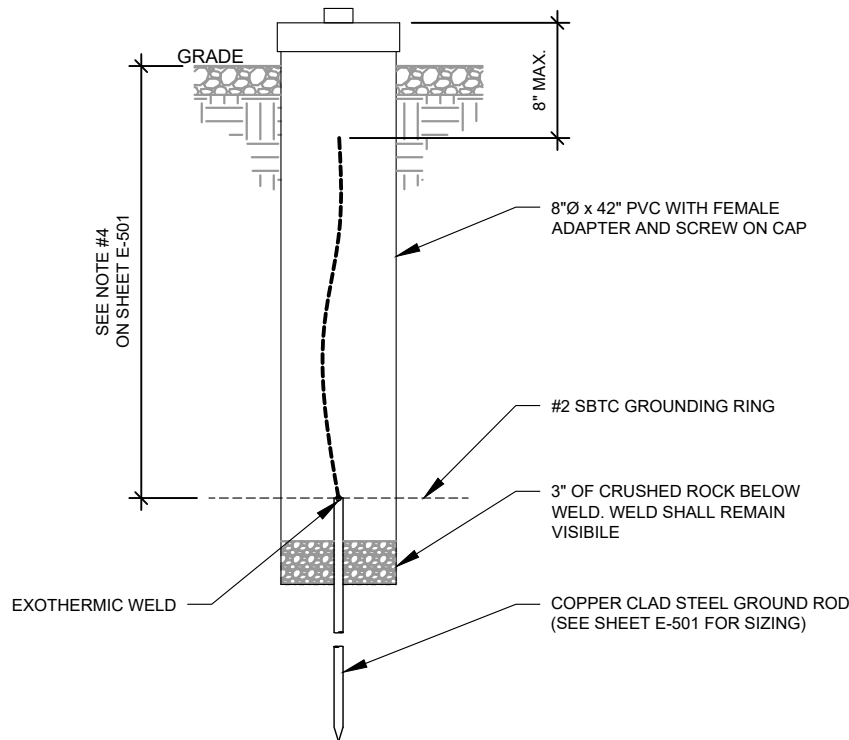
E-501

REVISION:

0



1 GROUND CONNECTION TRENCH DETAIL (STD.)
SCALE: NOT TO SCALE



2 TEST WELL DETAIL
SCALE: NOT TO SCALE



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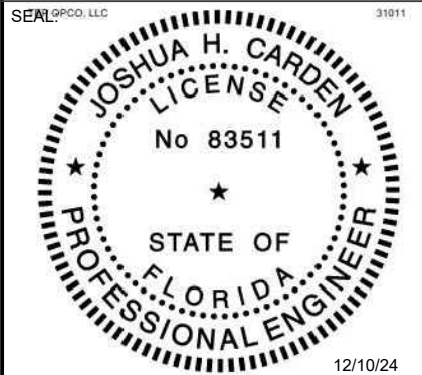
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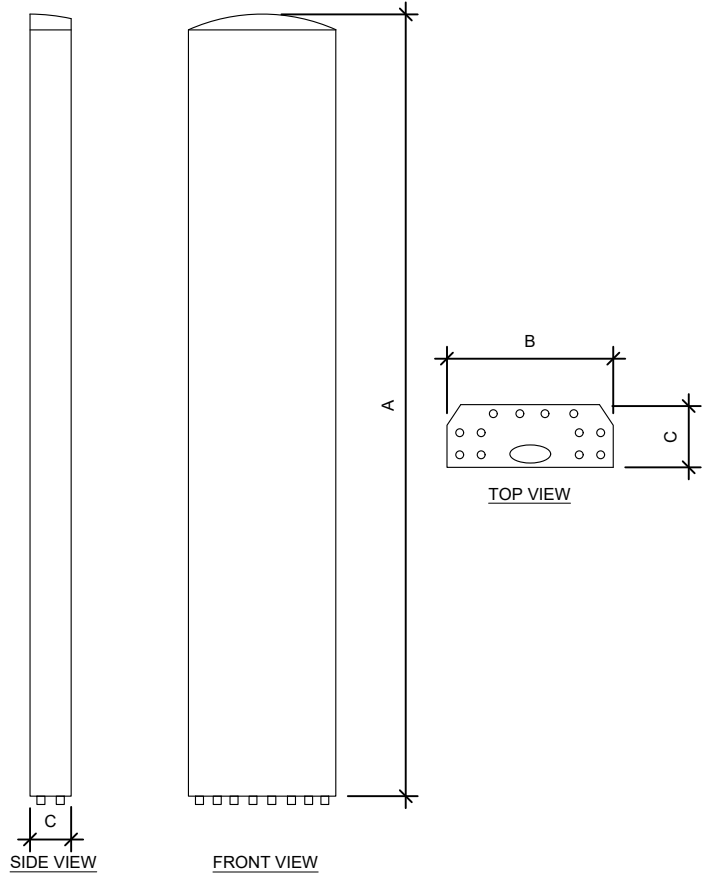
GROUNDING DETAILS

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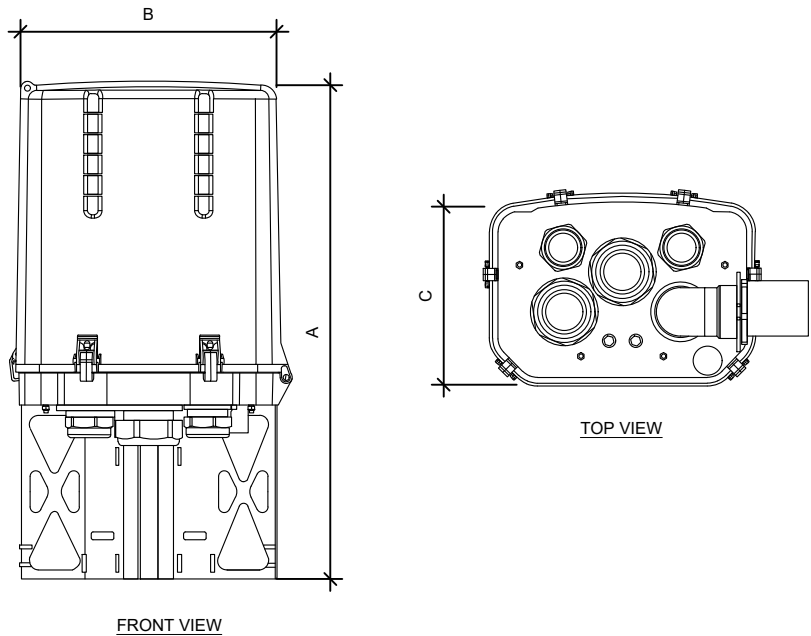
E-502

REVISION:

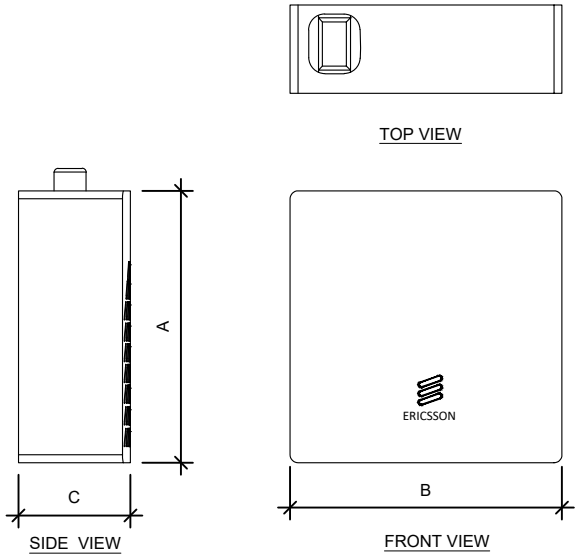
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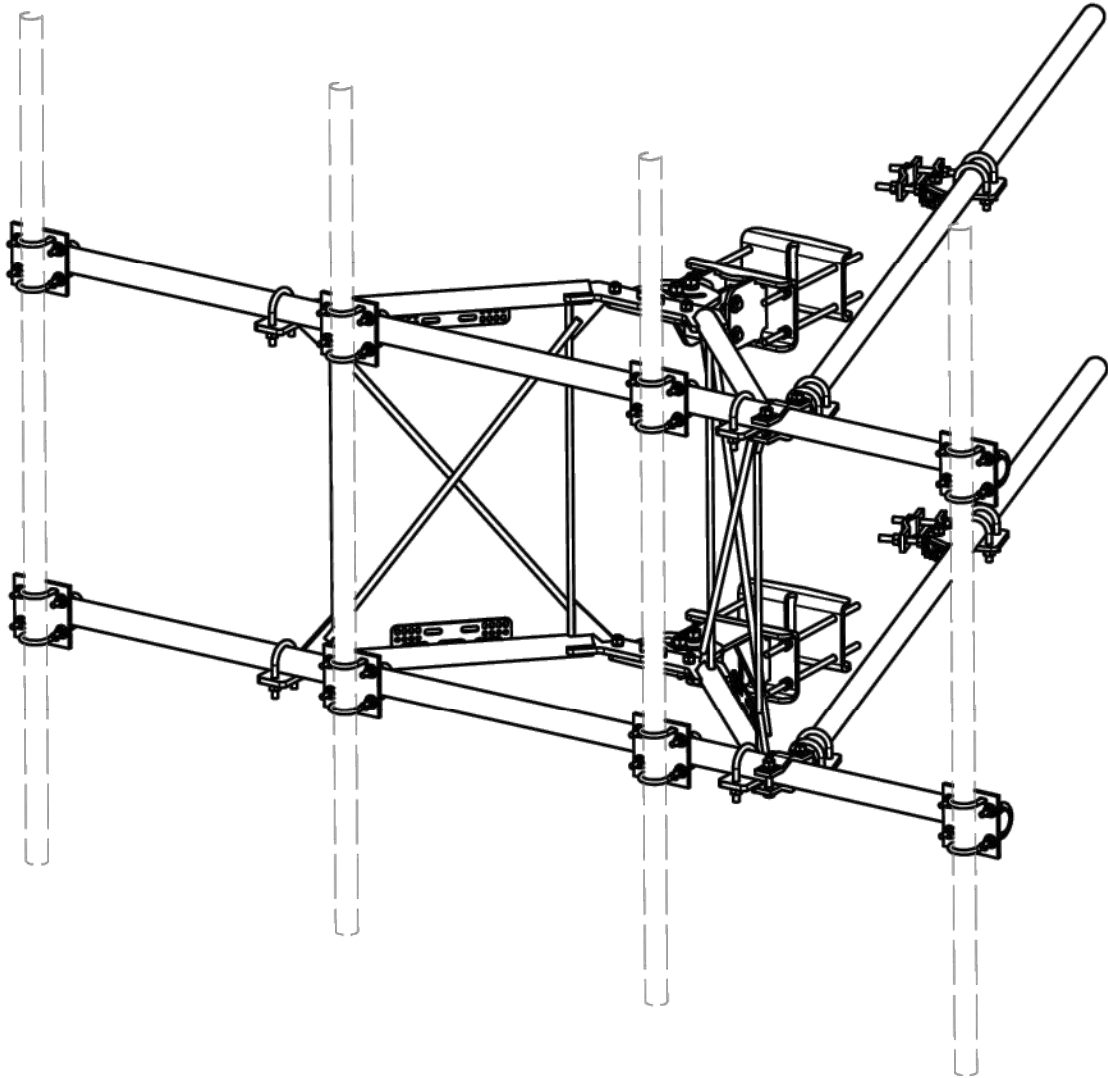
ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
AIR 6419 B77D	31.2"	16.1"	9.1"	63.1
MX06FHG865-HG	72.0"	12.2"	7.5"	41.0



OVP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
RVZDC-6627-PF-48	28.9"	15.7"	10.3"	32.0



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RRUS 4490	20.6"	15.7"	7.0"	68.4
RRUS 4890	20.6"	15.7"	7.2"	69.5



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-VFAW	SUPPORT ARM		71.41	142.81
2	1	X-HDCAMTBW	CLAMP WELDMENT FOR BCAM-HD		33.86	33.86
3	1	X-MHTPHD	MULTI-HOLE TAPER PLATE WELDMENT		36.24	36.24
4	2	X-VFAPL4	VFA-HD PIVOT PLATE	12 in	15.88	31.77
5	2	X-LCBP4	BENT BACKING PLATE	13 in	19.00	38.01
6	1	X-HDCAMSS	ANGLE ADJUSTMENT WELDMENT FOR BCAM-HD		16.39	16.39
7	4	X-SPTB	SLIDING PIPE TIE BACK PLATE	5 1/2 in	5.87	23.49
8	1	X-HDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM-HD		2.58	2.58
9	4	X-TBCA	TIE BACK CLIP ANGLE		2.01	8.02
10	8	SCX2	CROSSOVER PLATE	7 in	4.80	38.37
11	4	MCP	CLAMP HALF 1/2" THICK, 11-5/8" LONG	12 1/16 in	3.59	14.37
12	8	DCP	1/2" THICK, 5-3/4" CNTER TO CENTER CLAMP HALF	8 1/8 in	2.36	18.90
13	2	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	81.50
14	2	P30126	2-7/8" O.D. X 126" SCH. 40 PIPE	126 in	64.63	129.25
15	4	A34212	3/4" x 2-1/2" UNC HEX BOLT (A325)	2 1/2 in	0.48	1.92
16	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
17	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
18	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
19	8	G58R-18	5/8" x 18" THREADED ROD (HDG.)	18 in	0.40	3.19
20	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	4.18
21	4	G58R-8	5/8" x 8" THREADED ROD (HDG.)		0.70	2.79
22	4	X-UB5300	5/8" X 3" X 5-1/4" X 2-1/2" U-BOLT (HDG.)		1.15	4.60
23	8	X-UB5258	5/8" X 2-5/8" X 4-1/2" X 2" U-BOLT (HDG.)		1.00	8.00
24	2	G5807	5/8" x 7" HDG HEX BOLT GR5 FULL THREAD	7 in	0.70	1.41
25	1	G5806	5/8" x 6" HDG HEX BOLT GR5 FULL THREAD	6 in	0.62	0.62
26	8	G5804	5/8" x 4" HDG HEX BOLT GR5		0.44	3.55
27	4	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	1.08
28	8	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	2.50
29	25	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	1.76
30	66	G58LW	5/8" HDG LOCKWASHER		0.03	1.72
31	71	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	9.22
32	32	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.74	23.64
33	16	X-UB1212	1/2" X 2" X 3" X 1-1/4" U-BOLT (HDG.)		0.60	9.56
34	64	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.18
35	64	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.89
36	64	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.58
TOTAL WT. #						713.44

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
BENDS ARE $\pm 1/2$ DEGREE
ALL OTHER MACHINING ($\pm 0.030"$)
ALL OTHER ASSEMBLY ($\pm 0.060"$)

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION

10' 6" HEAVY DUTY
V-FRAME ASSEMBLY
WITH TWO STIFF ARMS

CPD NO.

DRAWN BY

ENG. APPROVAL

CLASS

SUB

DRAWING USAGE

CHECKED BY



Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

Engineering
Support Team:
1-888-753-7446

PART NO.

VFA10-HD

DWG. NO.

VFA10-HD

PAGE
1 OF 5

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO BCAM CONNECTION		CEK	12/14/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/28/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017
REVISION HISTORY				

1 PROPOSED SECTOR FRAME MOUNT DETAIL
SCALE: N.T.S.

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:

R-602

REVISION:

-

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency



Standby Power Rating
30 kW, 38 kVA, 60 Hz

Prime Power Rating*
27 kW, 34 kVA, 60 Hz



*EPA Certified Prime ratings are not available in the US or its Territories

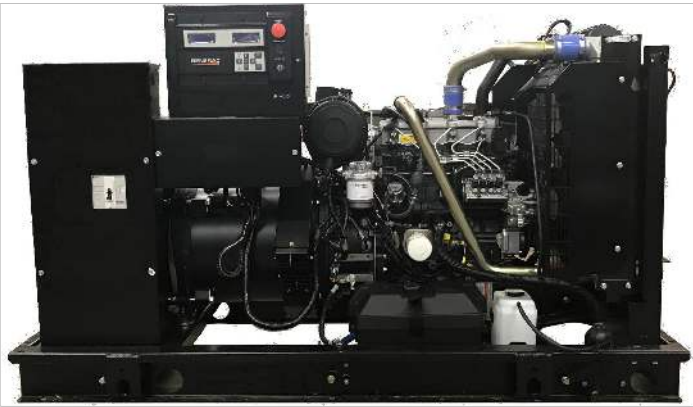


Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL6200, UL1236, UL489, UL142
- CSA C22.2, ULC S601
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, AB1
- ANSI C62.41

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency



STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Unit Only)
- Engine Coolant Heater

FUEL SYSTEM

- Fuel Lockoff Solenoid
- Primary Fuel Filter

COOLING SYSTEM

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

ELECTRICAL SYSTEM

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearing
- Rotor Dynamically Spin Balanced
- Amortisseur Winding (3-Phase Only)
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Unit Only)

ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

FUEL TANKS (If Selected)

- UL 142/ULC S601
- Double Wall
- Normal and Emergency Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Digital H Control Panel- Dual 4x20 Display

Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)

- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

SPEC SHEET

1 of 6

SPEC SHEET

2 of 6

SUPPLEMENTAL

SD030 | 2.2L | 30 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Heater
- Critical Silencer (Open Set Only)
- Radiator Stone Guard
- Level 1 Fan and Belt Guards (Enclosed Units Only)

FUEL SYSTEM

- NPT Flexible Fuel Line

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- Extended Factory Testing
- 8 Position Load Center
- Pad Vibration Isolation

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Isolation Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Door Open Alarm Switch
- Enclosure Heater
- Damper Alarm Contacts

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Indication and Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 100 dB Alarm Horn
- Ground Fault Annunciation
- 120V GFCI and 240V Outlets
- Remote Communication - Modem
- 10A Engine Run Relay

FUEL TANKS (Size On Last Page)

- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- 19 in (482.6 mm) Fill Extension
- Overfill Protection Valve
- 5 Gallon Spill Box Return Hose
- 5 Gallon Spill Box
- Tank Risers
- Fuel Level Switch and Alarm
- 12' Vent System
- Fire Rated Stainless Steel Fuel Hose

SD030 | 2.2L | 30 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Perkins
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	4
Type	In-Line
Displacement - in³ (L)	135 (2.22)
Bore - in (mm)	3.3 (84)
Stroke - in (mm)	3.9 (100)
Compression Ratio	23.3:1
Intake Air Method	Turbocharged
Cylinder Head	Cast Iron
Piston Type	Aluminum
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.5%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-Flow
Crankcase Capacity - qt (L)	11.2 (10.6)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Type	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Speed - RPM	1,980
Fan Diameter - in (mm)	18 (457)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Fuel Specifications	ASTM
Fuel Filtering (Microns)	5
Fuel Inject Pump	Distribution Injection Pump
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line - in (mm)	0.31 (7.9) ID
Fuel Return Line - in (mm)	0.2 (4.8) ID

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	K0035124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase Only)
Telephone Interference Factor (TIF)	< 50

Standard Excitation	Synchronous Brushless
Bearings	Single Sealed
Coupling	Direct via Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

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SUPPLEMENTAL

SHEET NUMBER:

R-604

REVISION:

-

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency



OPERATING DATA

POWER RATINGS

Standby		
Single-Phase 120/240 VAC @1.0pf	30 kW	Amps: 125
Three-Phase 120/208 VAC @0.8pf	30 kW	Amps: 104
Three-Phase 120/240 VAC @0.8pf	30 kW	Amps: 90
Three-Phase 277/480 VAC @0.8pf	30 kW	Amps: 45
Three-Phase 346/600 VAC @0.8pf	30 kW	Amps: 36

MOTOR STARTING CAPABILITIES (skVA)

skVA vs. Voltage Dip					
120/240 VAC 1Ø	30%	277/480 VAC 3Ø	30%	208/240 VAC 3Ø	30%
A0035044N21	20	K0035124Y21	61	K0035124Y21	46
A0040044N21	24	K0040124Y21	76	K0040124Y21	58
A0050044N21	31	K0050124Y21	98	K0050124Y21	75

FUEL CONSUMPTION RATES*

Fuel Pump Lift- ft (m)	Diesel - gph (Lph)	
	Percent Load	Standby
3 (1)	25%	1.0 (3.7)
	50%	1.4 (5.2)
	75%	2.0 (7.5)
	100%	2.8 (10.5)
* Fuel supply installation must accommodate fuel consumption rates at 100% load.		
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)		
16.6 (63)		

COOLING

Standby		
Coolant Flow	gpm (Lpm)	14.9 (56.2)
Coolant System Capacity	gal (L)	2.5 (9.5)
Heat Rejection to Coolant	BTU/hr (kW)	128,638 (136)
Inlet Air	cfm (m³/hr)	2,800 (4,757)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 0199280SSD	
Maximum Additional Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)

COMBUSTION AIR REQUIREMENTS

Standby
Flow at Rated Power - cfm (m³/min)
88 (2.5)

ENGINE

Standby		
Rated Engine Speed	RPM	1,800
Horsepower at Rated kW**	hp	49
Piston Speed	ft/min (m/min)	1,181 (360)
BMEP	psi (kPa)	159 (1,096)

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 0187500SSB
Prime - See Bulletin 0187510SSB

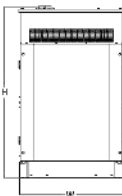
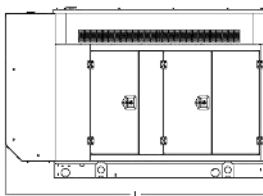
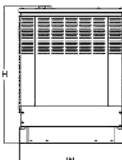
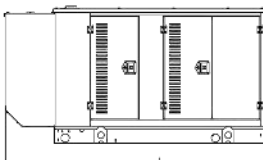
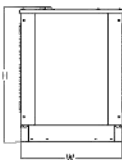
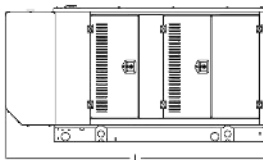
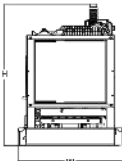
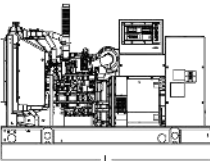
EXHAUST

Standby		
Exhaust Flow (Rated Output)	cfm (m³/min)	296.6 (8.4)
Max. Allowable Backpressure (Post Turbocharger)	inHg (kPa)	1.5 (5.1)
Exhaust Temperature (Rated Output)	°F (°C)	892 (478)

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DIMENSIONS AND WEIGHTS*



OPEN SET

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	76.0 (1,930) x 37.4 (950) x 44.8 (1,138)	1,456 - 1,641 (661 - 745)
19	54 (204)	76.0 (1,930) x 37.4 (950) x 57.8 (1,468)	1,936 - 2,121 (879 - 963)
47	132 (500)	76.0 (1,930) x 37.4 (950) x 69.8 (1,773)	2,166 - 2,351 (983 - 1,067)
67	190 (719)	76.0 (1,930) x 37.4 (950) x 79.3 (2,014)	2,380 - 2,565 (1,081 - 1,165)
75	211 (799)	76.0 (1,930) x 37.4 (950) x 81.8 (2,078)	2,375 - 2,560 (1,078 - 1,162)
107	300 (1,136)	92.9 (2,360) x 37.4 (950) x 85.3 (2,167)	2,438 - 2,623 (1,106 - 1,190)

WEATHER PROTECTED ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)	
			Steel	Aluminum
No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)	372 (169)	241 (109)
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)		
67	190 (719)	94.8 (2,409) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	76.0 (1,930) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	92.9 (2,360) x 38.0 (965) x 90.0 (2,287)		

LEVEL 1 SOUND ATTENUATED ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)	
			Steel	Aluminum
No Tank	-	112.5 (2,857) x 38.0 (965) x 49.5 (1,258)	505 (229)	338 (153)
19	54 (204)	112.5 (2,857) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	112.5 (2,857) x 38.0 (965) x 74.5 (1,893)		
67	190 (719)	112.5 (2,857) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	112.5 (2,857) x 38.0 (965) x 90.0 (2,287)		

LEVEL 2 SOUND ATTENUATED ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)	
			Steel	Aluminum
No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)	510 (231)	341 (155)
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	94.8 (2,409) x 38.0 (965) x 74.5 (1,893)		
67	190 (719)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)		

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

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