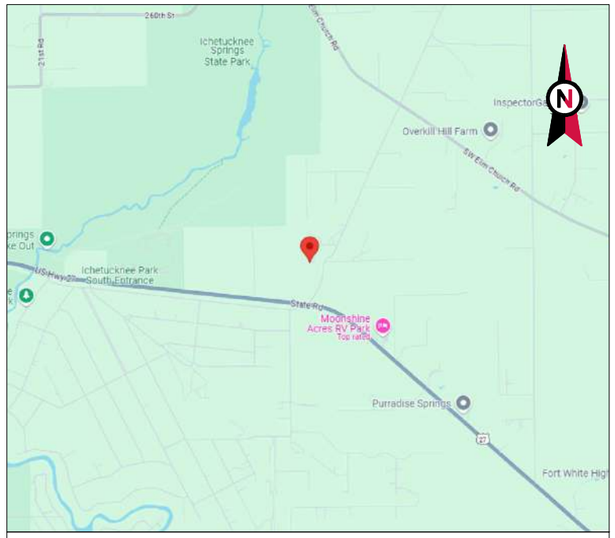


VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: FT WHITE WEST FL
ATC SITE NUMBER: 282213
T-MOBILE SITE NAME: 9JK2275A
T-MOBILE SITE NUMBER: 9JK2275A
SITE ADDRESS: 338 SW LENOX GLEN
FORT WHITE, FL 32038
SITE CLASS: MONOPOLE

LOCATION MAP

T-MOBILE COVERAGE STRATEGY COLLOCATION PLAN
67E5D998E 6160 CONFIGURATION

COMPLIANCE CODE

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. 8TH ED (2023) FLORIDA BUILDING CODE
2. ANSI/TIA-222-H
3. 2023 FLORIDA FIRE PREVENTION CODE, 8TH EDITION (NFPA 1, 2021 W/ AMND)
4. NATIONAL ELECTRICAL CODE (NFPA 70, NEC 2020)
5. BASIC WIND SPEED FOR TOWER STRUCTURAL ANALYSIS: 120 MPH (3-SECOND GUST)
6. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: PROGRESS ENERGY OF FL
PHONE: (877) 372-8477

TELEPHONE COMPANY: UNKNOWN
PHONE: N/A

811 Know what's below. Call before you dig.

PROJECT SUMMARY

SITE ADDRESS:

338 SW LENOX GLEN
FORT WHITE, FL 32038
COUNTY: COLUMBIA

GEOGRAPHIC COORDINATES:

LATITUDE: 29.95363427
29° 57' 13.083" N
LONGITUDE: -82.75314003
82° 45' 11.304" W
GROUND ELEVATION: 61' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

T-MOBILE
5901 BENJAMIN CENTER
DRIVE, SUITE 110 A-B
TAMPA, FL 33634

ENGINEER:

SMW ENGINEERING
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
CONTACT: JEREMY SHARIT, PE
PHONE: 205-397-6781
SMW PROJECT # 25-5240

PROPERTY OWNER:

WAYNE N. DESMARAIS
265 SW LENOX GLEN
FORT WHITE,FL 32038

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES INSTALLING EQUIPMENT CABINETS AND A GENERATOR ON PROPOSED CONCRETE PAD INSIDE A 10' X 15' GROUND SPACE WITHIN THE EXISTING COMPOUND, AND INSTALLING NEW EQUIPMENT AND MOUNTS ON THE EXISTING TOWER.

TOWER SCOPE:
INSTALL (1) PLATFORM, (6) ANTENNAS, (6) RRU'S, (1) MICROWAVE, (2) ODU'S, (1) 3/8" COAX, (1) 0.19" FIBER AND (2) 2.00" HYBRID TRUNK 6/24 4AWG 70M CABLES

GROUND SCOPE:
INSTALL (1) CONCRETE PAD, (1) CANOPY, (1) ICE BRIDGE, (1) GPS ANTENNA, (2) H-FRAMES, (1) PPC, (4) LED WORK LIGHTS, (1) TELCO BOX, (1) FIBER MANAGEMENT BOX, (1) ENCLOSURE 6160 CABINET, AND (1) B160 BATTERY CABINET

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).

PROJECT LOCATION DIRECTIONS

TAKE I-75 TO EXIT 399 AND TRAVEL WEST ON 441/HWY27 TO SW JUNCTION RD AND MAKE A RIGHT ONTO SW JUNCTION RD TO SW LENOX GLEN AND MAKE A LEFT ONTO LENOX GLEN TO ACCESS AT BACK OF DIRT ROAD

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	05/29/25	ZDS
G-002	GENERAL NOTES	0	05/29/25	ZDS
--	SURVEY			
C-101	DETAILED SITE PLAN	0	05/29/25	ZDS
C-102	DETAILED EQUIPMENT PLAN	0	05/29/25	ZDS
C-201	TOWER ELEVATION	0	05/29/25	ZDS
C-401	ANTENNA INFORMATION & SCHEDULE	0	05/29/25	ZDS
C-501	MOUNT DETAILS	0	05/29/25	ZDS
C-502	CONSTRUCTION DETAILS	0	05/29/25	ZDS
C-503	CONSTRUCTION DETAILS	0	05/29/25	ZDS
E-101	GROUNDING PLAN AND NOTES	0	05/29/25	ZDS
E-501	GROUNDING DETAILS	0	05/29/25	ZDS
E-601	PANEL SCHEDULE & ONE-LINE DIAGRAM	0	05/29/25	ZDS
	SUPPLEMENTAL SHEETS (12 PAGES)			

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, T-MOBILE "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 T-MOBILE 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 T-MOBILE REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE T-MOBILE REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE T-MOBILE 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 T-MOBILE 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 T-MOBILE 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 T-MOBILE 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 T-MOBILE 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 T-MOBILE REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY T-MOBILE MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH T-MOBILE SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO T-MOBILE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO T-MOBILE 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 T-MOBILE 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. WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29. COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30. 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.
31. 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.
32. 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 T-MOBILE REP. ANY WORK FOUND BY THE T-MOBILE REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
33. 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.
34. T-MOBILE FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE T-MOBILE 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.
35. T-MOBILE 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 T-MOBILE 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 T-MOBILE PROJECT MANAGER IN WRITING

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
   - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY T-MOBILE 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 T-MOBILE 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 T-MOBILE 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.

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NUMBER:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

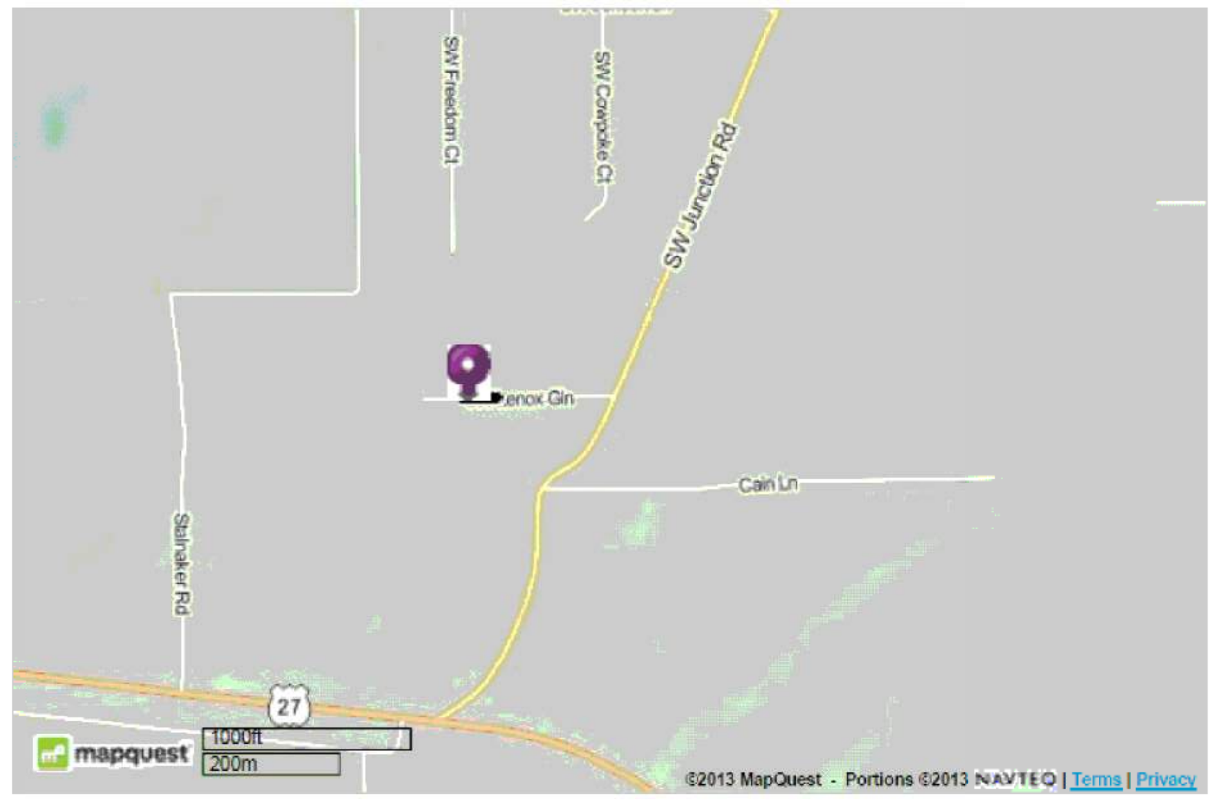
T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

LOCATION MAP
NOT TO SCALE



PROPOSED TOWER LOCATION INFORMATION

LATITUDE = 29°57'12.96"NORTH (NAD83) ±15'
LONGITUDE = 82°45'11.31" WEST (NAD83) ±15'
MEAN SEA LEVEL AT CENTER OF SITE = 61 NAVD88 ±3'

THIS SURVEY IS CERTIFIED TO AND SPECIFICALLY MADE FOR

AT&T
MORRISON HERSHFIELD

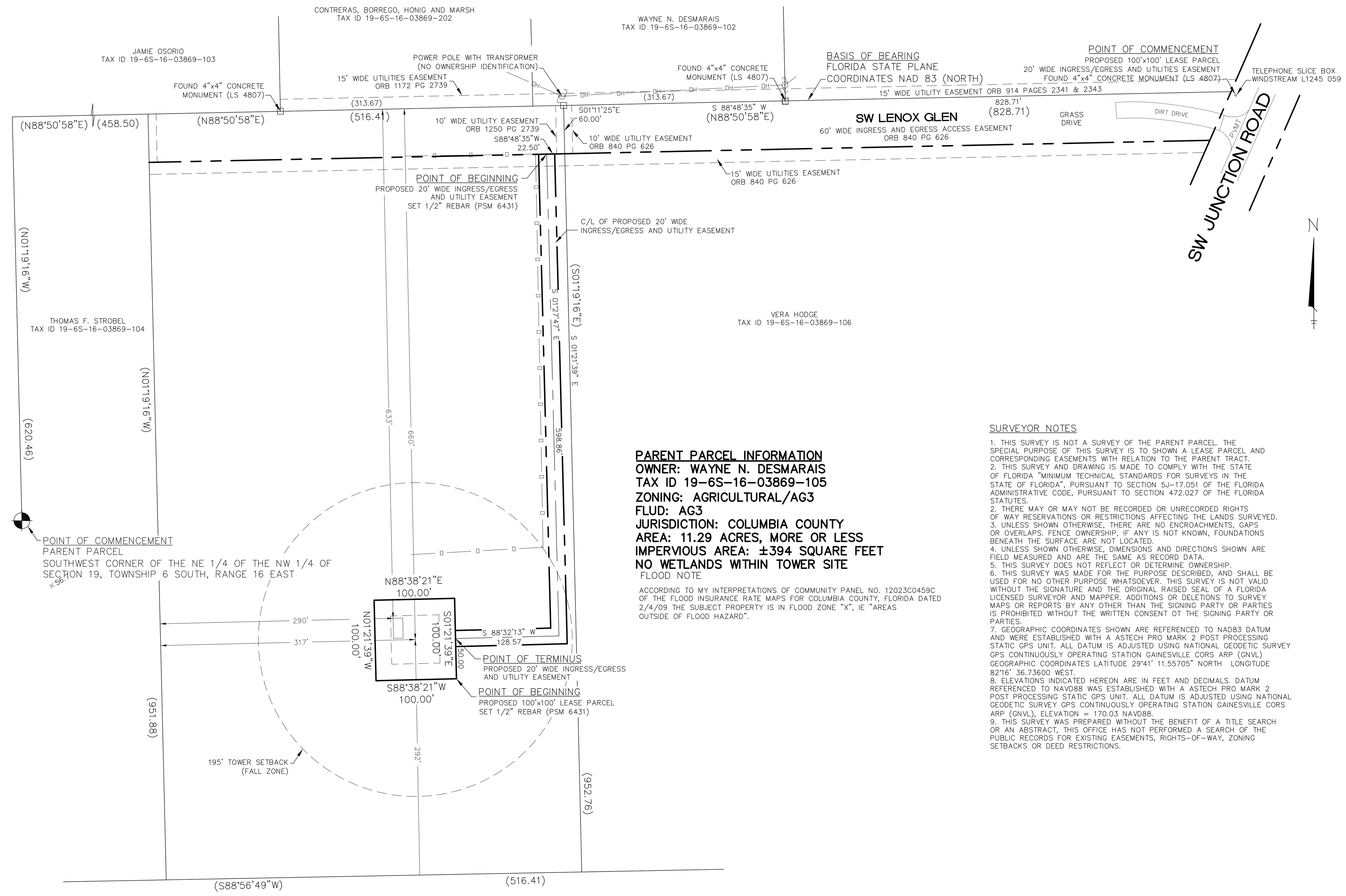
DATE OF FIELD SURVEY: AUGUST 20, 2013

JON E. BRUNNER – STATE OF FLORIDA
PROFESSIONAL SURVEYOR & MAPPER 6431

JON E. BRUNNER LICENSE No. 6431 STATE OF FLORIDA PROFFESSIONAL SURVEYOR & MAPPER

INDICATES OAK TREE AND DIAMETER 3'–4' ABOVE GROUND LEVEL

GRAPHIC SCALE IN FEET
10 0 5 10 20 40
1 inch = 20 feet



PARENT PARCEL INFORMATION

OWNER: WAYNE N. DESMARAIS
TAX ID 19–6S–16–03869–105
ZONING: AGRICULTURAL/AG3
FLUD: AG3
JURISDICTION: COLUMBIA COUNTY
AREA: 11.29 ACRES, MORE OR LESS
IMPERVIOUS AREA: ±394 SQUARE FEET
NO WETLANDS WITHIN TOWER SITE

FLOOD NOTE

ACCORDING TO MY INTERPRETATIONS OF COMMUNITY PANEL NO. 12023C0459C OF THE FLOOD INSURANCE RATE MAPS FOR COLUMBIA COUNTY, FLORIDA DATED 2/4/09 THE SUBJECT PROPERTY IS IN FLOOD ZONE "X", IE "AREAS OUTSIDE OF FLOOD HAZARD".

SURVEYOR NOTES

1. THIS SURVEY IS NOT A SURVEY OF THE PARENT PARCEL. THE SPECIAL PURPOSE OF THIS SURVEY IS TO SHOWN A LEASE PARCEL AND CORRESPONDING EASEMENTS WITH RELATION TO THE PARENT TRACT.
2. THIS SURVEY AND DRAWING IS MADE TO COMPLY WITH THE STATE OF FLORIDA "MINIMUM TECHNICAL STANDARDS FOR SURVEYS IN THE STATE OF FLORIDA", PURSUANT TO SECTION 5J–17.051 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.
2. THERE MAY OR MAY NOT BE RECORDED OR UNRECORDED RIGHTS OF WAY RESERVATIONS OR RESTRICTIONS AFFECTING THE LANDS SURVEYED.
3. UNLESS SHOWN OTHERWISE, THERE ARE NO ENCROACHMENTS, GAPS OR OVERLAPS. FENCE OWNERSHIP, IF ANY IS NOT KNOWN, FOUNDATIONS BENEATH THE SURFACE ARE NOT LOCATED.
4. UNLESS SHOWN OTHERWISE, DIMENSIONS AND DIRECTIONS SHOWN ARE FIELD MEASURED AND ARE THE SAME AS RECORD DATA.
5. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
6. THIS SURVEY WAS MADE FOR THE PURPOSE DESCRIBED, AND SHALL BE USED FOR NO OTHER PURPOSE WHATSOEVER. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY ANY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OT THE SIGNING PARTY OR PARTIES.
7. GEOGRAPHIC COORDINATES SHOWN ARE REFERENCED TO NAD83 DATUM AND WERE ESTABLISHED WITH A ASTECH PRO MARK 2 POST PROCESSING STATIC GPS UNIT. ALL DATUM IS ADJUSTED USING NATIONAL GEODETIC SURVEY GPS CONTINUOUSLY OPERATING STATION GAINESVILLE CORS ARP (GNVL) GEOGRAPHIC COORDINATES LATITUDE 29°41' 11.55705" NORTH LONGITUDE 82°16' 36.73600 WEST.
8. ELEVATIONS INDICATED HEREON ARE IN FEET AND DECIMALS. DATUM REFERENCED TO NAVD88 WAS ESTABLISHED WITH A ASTECH PRO MARK 2 POST PROCESSING STATIC GPS UNIT. ALL DATUM IS ADJUSTED USING NATIONAL GEODETIC SURVEY GPS CONTINUOUSLY OPERATING STATION GAINESVILLE CORS ARP (GNVL), ELEVATION = 170.03 NAVD88.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH OR AN ABSTRACT, THIS OFFICE HAS NOT PERFORMED A SEARCH OF THE PUBLIC RECORDS FOR EXISTING EASEMENTS, RIGHTS–OF–WAY, ZONING SETBACKS OR DEED RESTRICTIONS.

JOHN D. AND VENELEAN B. SIMPKINS
TAX ID 19–6S–16–03873–000

DESCRIPTIONS

PARENT PARCEL
(OFFICIAL RECORDS BOOK 1250 PAGE 2739)

LOT 5

A PART OF THE EAST 1/2 OF THE NW 1/4 OF SECTION 19, TOWNSHIP 6 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF THE NE 1/4 OF SAID NW 1/4 AND RUN N 1 DEGREE 19'16" W., ALONG THE WEST LINE THEREOF, 620.46 FEET; THENCE N 88 DEGREES 50'58" E., 458.50 FEET FOR A POINT OF BEGINNING; THENCE CONTINUE N 88 DEGREES 50'58" E., 516.41 FEET; THENCE S 1 DEGREE 19'16" E., 952.76 FEET; THENCE S. 88 DEGREES 56'49" W., 516.41 FEET; THENCE N 1 DEGREE 19'16" W., 951.88 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

SUBJECT TO AN INGRESS AND EGRESS EASEMENT OVER AND ACROSS THE NORTH 60.00 FEET THEREOF.

SUBJECT TO UTILITIES EASEMENT OVER AND ACROSS THE EAST 10.00 FEET AND THE WEST 10.00 FEET AND THE SOUTH 15.00 FEET OF THE NORTH 75.00 FEET THEREOF.

PROPOSED 100'x100' LEASE PARCEL
(description prepared by this office)

Being a 100 foot by 100 foot lease parcel of land in Section 19, Township 6 South, Range 16 East, Columbia County, Florida, said parcel lying within the bounds of the Wayne N. Desmarais property as recorded in official records book 1250, page 2739, of the Public Records of Columbia County, Florida, and being more particularly described as follows:

Commencing at an existing 4"X4" concrete monument (designated LB 4807), said monument being the Northeast corner of the Hodges property as recorded in official records book 840, page 626, proceed thence along said Hodge property North line South 88°48'35" West, (basis of bearing being Florida State Plane Coordinate NAD83 North zone), a distance of 828.71 feet to an existing 4'X4" concrete monument (designated LS 4708), said monument being the Northeast corner of the property which this is a part of; thence along the East line of said property South 01°21'39" East, for a distance of 60.00 feet; thence South 88°48'35" West, for a distance of 22.50 feet; thence South 01°27'47' East, for a distance of 598.86 feet; thence South 88°32'13" West, for a distance of 128.57 feet; thence South 01°21'39" East, for a distance of 50.00 feet to a new 1/2" rebar (designated PSM 6431), the Point of Beginning; proceed thence South 88°38'21" West, for a distance of 100.00 feet to a new 1/2" rebar (designated PSM 6431); thence North 01°21'39" West, for a distance of 100.00 feet to a new 1/2" rebar (designated PSM 6431); thence North 88°38'21" East, for a distance of 100.00 feet to a new 1/2" rebar (designated PSM 6431); thence South 01°21'39" East, for a distance of 100.00 feet to the Point of Beginning.

containing 0.23 acre, more or less or ±10,000 square feet

PROPOSED 20' WIDE INGRESS/EGRESS AND UTILITIES EASEMENT
(description prepared by this office)

Being a 20 wide ingress/egress and utilities easement crossing over, under and through a parcel of land in Section 19, Township 6 South, Range 16 East, Columbia County, Florida, said easement within the bounds of the Wayne N. Desmarais property as recorded in official records book 1250, page 2739, of the Public Records of Columbia County, Florida, and lying within 10 feet of a center line being more particularly described as follows:

Commencing at an existing 4"X4" concrete monument (designated LB 4807), said monument being the Northeast corner of the Hodges property as recorded in official records book 840, page 626, proceed thence along said Hodge property North line South 88°48'35" West, (basis of bearing being Florida State Plane Coordinate NAD83 North zone), a distance of 828.71 feet to an existing 4'X4" concrete monument (designated LS 4708), said monument being the Northeast corner of the property which this is a part of; thence along the East line of said property South 01°21'39" East, for a distance of 60.00 feet; thence South 88°48'35" West, for a distance of 22.50 feet to the Point of Beginning; proceed thence along the center line of this easement South 01°27'47' East, for a distance of 598.86 feet to a point, thence South 88°32'13" West, for a distance of 128.57 feet to the Point of Terminus.

containing 0.33 acre, more or less or ±14,549 square feet.

GRAPHIC SCALE IN FEET
50 0 25 50 100 200
1 inch = 100 feet

LEGEND

C/L	CENTERLINE	SEC	SECTION
PB	PLAT BOOK	TWP	TOWNSHIP
EOP	EDGE OF PAVEMENT	RNG	RANGE
ORB	OFFICIAL RECORD BOOK	NGVD29	NATIONAL GEODETIC VERTICAL DATUM 1929
PG	PAGE	NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988
R/W	RIGHT OF WAY	BM	BENCH MARK
(symbol)	POWER POLE	CB	CONCRETE BLOCK
–OH–	OVERHEAD WIRES	CONC	CONCRETE
○	CORNER MARKER RECOVERED AS NOTED	CM	CONCRETE MONUMENT
●	SET 5/8" REBAR WITH CAP (PSM 6431)	EL	ELEVATION (VERTICAL CONTROL)
△	NAIL RECOVERED AS NOTED	PU&DE	PUBLIC UTILITIES & DRAINAGE EASEMENT
▲	SET NAIL AND DISK (PSM 6431)	FND	FOUND
PCP	PERMANENT CONTROL POINT	IP	IRON PIPE
PC	POINT OF CURVE	IR	IRON ROD
PT	POINT OF TANGENCY	ID	IDENTIFICATION
PRC	POINT OF REVERSE CURVE	PLS	PROFESSIONAL LAND SURVEYOR
PCC	POINT OF COMPOUND CURVE	RLS	REGISTERED LAND SURVEYOR
PI	POINT OF INTERSECTION	LB	LICENSED BUSINESS
CLF	CHAIN LINK FENCE	L	LENGTH OF ARC
WF	WOOD FENCE	N/D	NAIL AND DISK
WWF	WOVE WIRE FENCE	PVMT	PAVEMENT
A/C	AIR CONDITIONER	POC	POINT OF COMMENCEMENT
(---)	INDICATES RECORD DATA	POB	POINT OF BEGINNING
×0.0'	INDICATES GROUND ELEVATION	R	RADIUS OF CURVE
FLUD	FUTURE LAND USE DESIGNATION	AGL	ABOVE GROUND LEVEL
		S/W	SIDEWALK

REVISION NO.	DATE	DESCRIPTION
4	11/13/13	COUNTY COMMENTS.
5	11/25/13	CORRECTED WEST SHELTER TIE–LINE.
1	9/4/13	LEASE PARCEL AND EASEMENT REVISED. TOWER LOCATION MOVED.
2	9/5/13	LEASE PARCEL AND EASEMENT REVISED. TOWER LOCATION MOVED.
3	9/11/13	ADDITIONAL TOPOGRAPHY AND TREES LOCATED WITHIN PROPOSED LEASE AREA.

F.B/P.	529/23	DATE:	8/21/13
DRAWN BY:	JEB	SCALE:	1"=20'/100'
CHECKED BY:	JEB	DWG. #	116–13

BRUNNER HAGEN
801 Carolin Street Melbourne, FL 32901
phone (321)728–1961 fax (321) 728–1960
info@brunner–hagen.com
LAND SURVEYORS CONSULTING ENGINEERS
LB No. 7864 CA No. 29254

MAP OF BOUNDARY SURVEY FOR:
AT&T
10579344 Fort White West
338 SE Lenox Glen
Fort White, Florida

PROJECT NO: 116–13
SEC. 19
TWP. 6 S.
RNG. 16 E.

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.

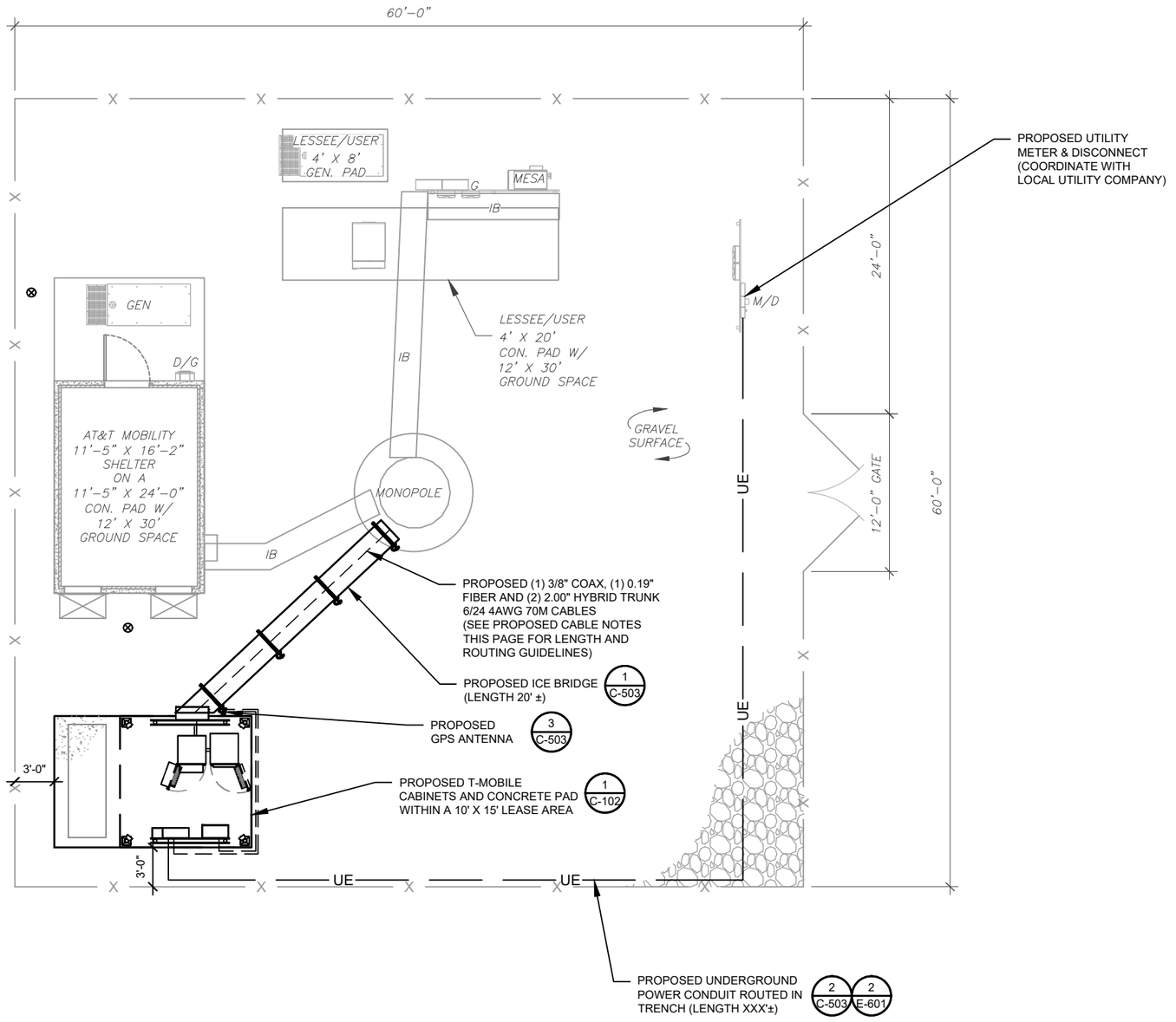
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE T-MOBILE REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.

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
———	CHAINLINK FENCE

PROPOSED CABLE NOTES:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **220'**. 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. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

DETAILED SITE PLAN

SHEET NUMBER: C-101
REVISION: 0

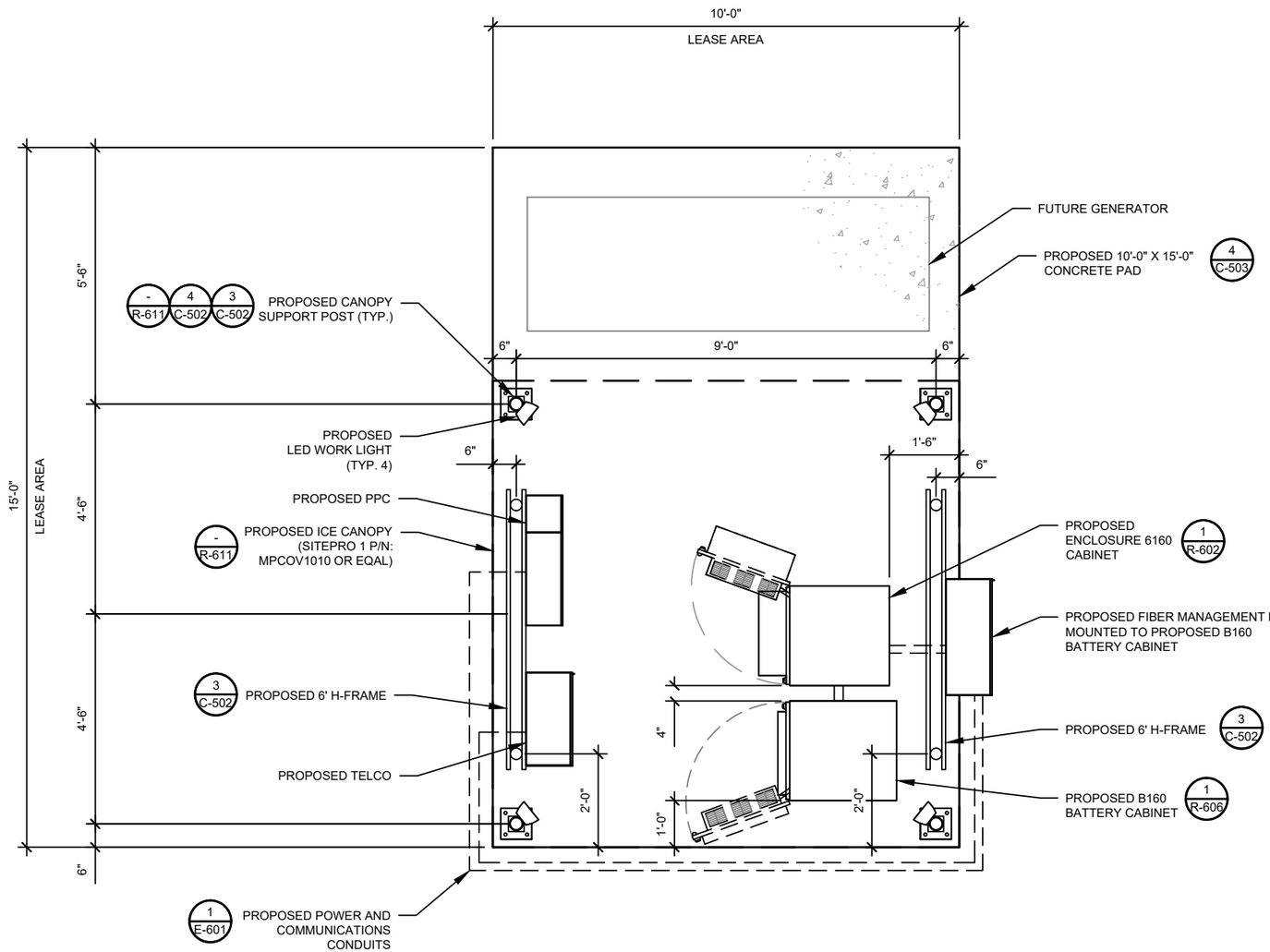
SITE PLAN / ELECTRICAL NOTES:

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 T-MOBILE 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. ALL CONDUITS SHALL BE INSTALLED UNDERGROUND AND PER APPLICABLE NEC AND LOCAL REQUIREMENTS UNLESS SHOWN OTHERWISE ON THESE PLANS. ANY CONDUITS INSTALLED ABOVE GRADE SHALL BE SECURED PER NEC 344 (MAX INTERVAL 10') AND THE ENTIRE CONDUIT SHALL BE PAINTED SAFETY/REFLECTIVE YELLOW OR ORANGE TO INCREASE VISIBILITY AND REDUCE TRIP HAZARDS.



1 PROPOSED GROUND EQUIPMENT LAYOUT

GRAPHIC SCALE

3 0 1.5' 3

(IN FEET)
1 UNIT = 3 FEET

N

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213

ATC SITE NAME:
FT WHITE WEST FL

T-MOBILE SITE NAME:
9JK2275A

SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

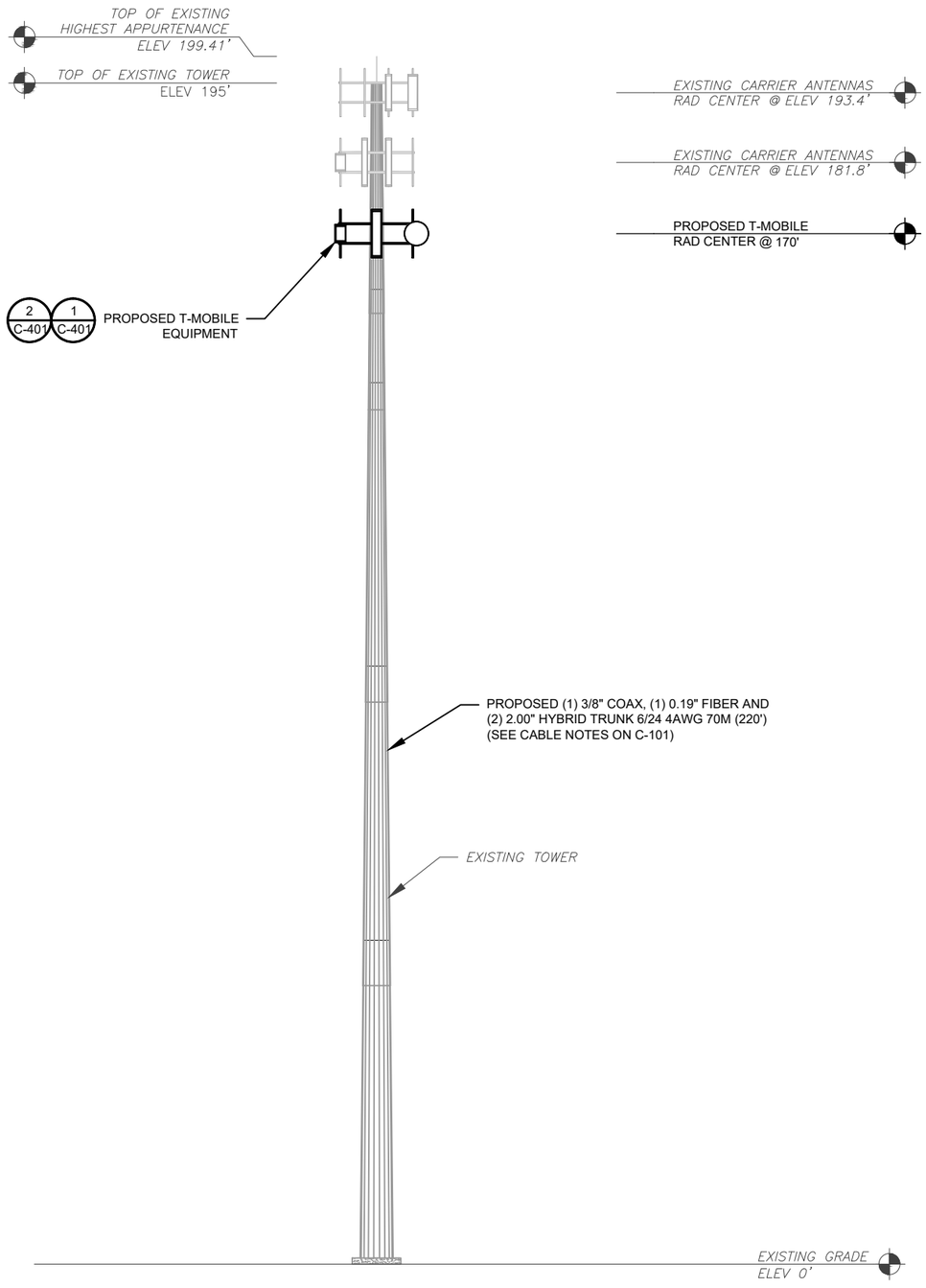
T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

DETAILED EQUIPMENT PLAN

SHEET NUMBER:	REVISION:
C-102	0

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 05/08/2025, THE PROPOSED MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



1 TOWER ELEVATION
SCALE: N.T.S.

ALL ELEVATIONS REFLECT ABOVE GROUND LEVEL (A.G.L.)

TOWER NOTE:

1. 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.
2. 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.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
4. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213

ATC SITE NAME:
FT WHITE WEST FL

T-MOBILE SITE NAME:
9JK2275A

SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

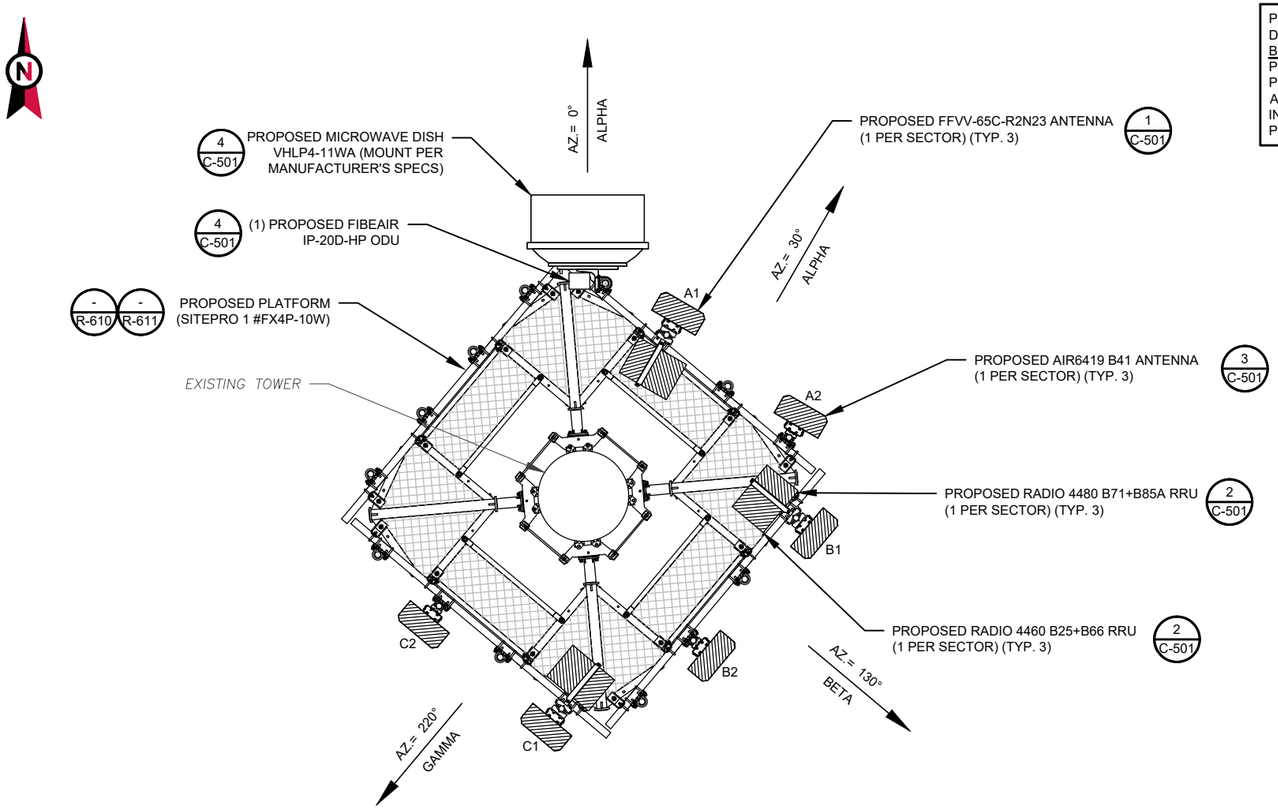
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0



1 FINAL ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 05/08/2025, THE PROPOSED MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

FINAL ANTENNA/ COAX SCHEDULE

SECTOR	ANT.	MODEL #	RAD CENTER	AZIMUTH	ADDITIONAL TOWER MOUNTED EQUIPMENT	CABLE DESCRIPTION
ALPHA	MW	VHLP4-11 W/A	170'	0°	FIBEAIR IP-20D-HP	(1) 3/8" COAX, (1) 0.19" FIBER AND (2) 2.00" HYBRID TRUNK 6/24 4AWG 70M (220')
	A1	FFVV-65C-R2N23		30°	RADIO 4480 B71+B85 RADIO 4460 B25+B66	
	A2	AIR 6419 B41		30°	-	
BETA	B1	FFVV-65C-R2N23		130°	RADIO 4480 B71+B85 RADIO 4460 B25+B66	
	B2	AIR 6419 B41		130°	-	
GAMMA	C1	FFVV-65C-R2N23		220°	RADIO 4480 B71+B85 RADIO 4460 B25+B66	
	C2	AIR 6419 B41		220°	-	

1. GC TO VERIFY THE FINAL RFDS MATCHES THE FINAL CONSTRUCTION DRAWINGS. GC TO NOTIFY ATC PM OF ANY DISCREPANCY PRIOR TO INSTALLING THE EQUIPMENT.
2. GC TO CAP ALL UNUSED PORTS.
3. GC TO CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

2 ANTENNA SCHEDULE

RF JUMPER LENGTH
MONOPOLE = 15'± GUYED / SELF SUPPORT = FACE WIDTH + 15'
REFER TO FINAL RFDS FOR TYPE AND QUANTITY

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

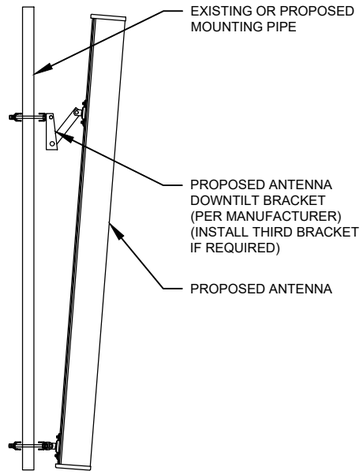
ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

ANTENNA INFORMATION & SCHEDULE

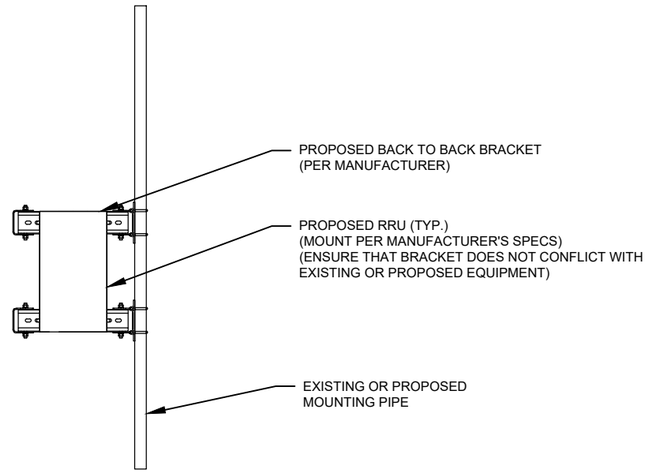
SHEET NUMBER:	REVISION:
C-401	0

EXISTING/PROPOSED MOUNTS AND/OR MOUNT MODIFICATIONS NOT SHOWN FOR CLARITY. REFER TO ANTENNA PLANS, MOUNT ANALYSES AND/OR MOUNT MODIFICATION DOCUMENTS FOR ADDITIONAL DETAIL.

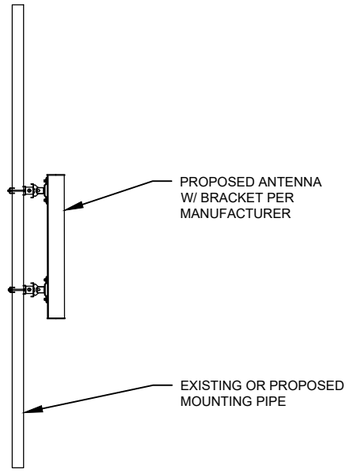
PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 05/08/2025, THE PROPOSED MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



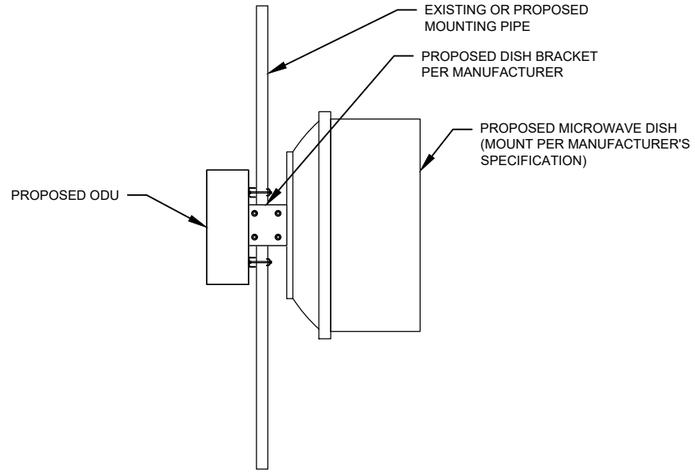
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



2 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



3 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



4 PROPOSED MW ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

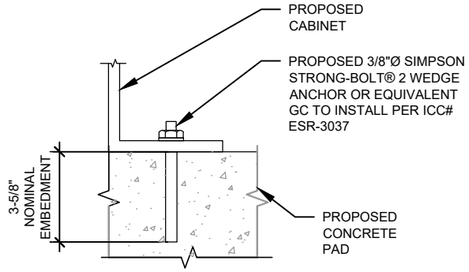
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

MOUNT DETAILS

SHEET NUMBER:	REVISION:
C-501	0

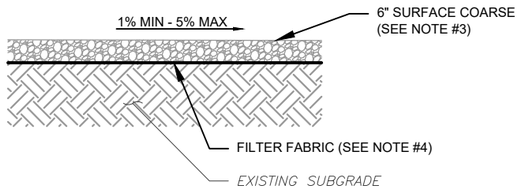


NOTE:

INSTALL SIMPSON STRONG-TIE® STRONG-BOLT® 2 WEDGE ANCHOR(S) STRICTLY PER INSTALLATION INSTRUCTIONS INCLUDED WITH PRODUCT OR FOUND ONLINE AT WWW.STRONGTIE.COM. PROPER INSTALLATION IS CRITICAL FOR FULL PERFORMANCE.

1 CABINET ATTACHMENT DETAIL

SCALE: N.T.S.



NOTES:

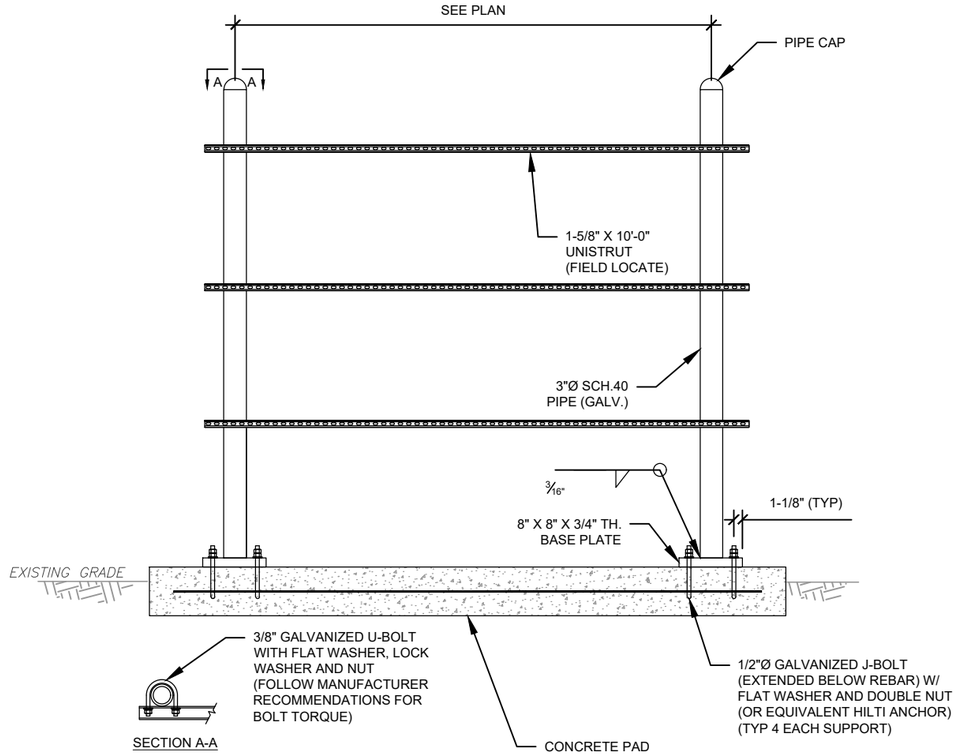
1. CONTRACTOR TO CONTACT ALL UTILITIES FOR LOCATION OF UNDERGROUND SERVICES. SERVICE LOCATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
2. REMOVE ALL UNSUITABLE OR DELETERIOUS MATERIAL AS REQUIRED. COMPACT UNDERLYING SOIL TO 90% OF MAXIMUM DENSITY. REPLACE REMOVED SOIL WITH 8" LIFTS OF GRANULAR "B" MATERIAL TO A DEPTH OF 4" BELOW PROPOSED GRADE. COMPACT TO MINIMUM 95% OF MAXIMUM DRY DENSITY ALL COMPACTION SHALL BE IN ACCORDANCE WITH THE MOST RECENT IBC. REVIEW WITH PROJECT MANAGER AND GEOTECT PRIOR TO CONSTRUCTION.
3. SURFACE COARSE OF GRANULAR "A" MATERIAL SHALL CONSIST OF EVENLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL, WITH 100% PASSING THROUGH 3/4" SIEVE AND NOT MORE THAN 5% PASSING THROUGH #4 SIEVE.
4. PROVIDE GEOTEXTILE FABRIC UNDER WASHED CHIPPED STONE COMPOUND UNLESS NOTED OTHERWISE. WOVEN GEOTEXTILE:US FABRICS: US 230 OR APPROVED EQUIVALENT. CONTRACTOR MAY SUBMIT DESIGN ALTERNATIVE AS OUTLINED IN THE AMERICAN TOWER MASTER SPECIFICATIONS.

2 COMPOUND CROSS SECTION

SCALE: N.T.S.

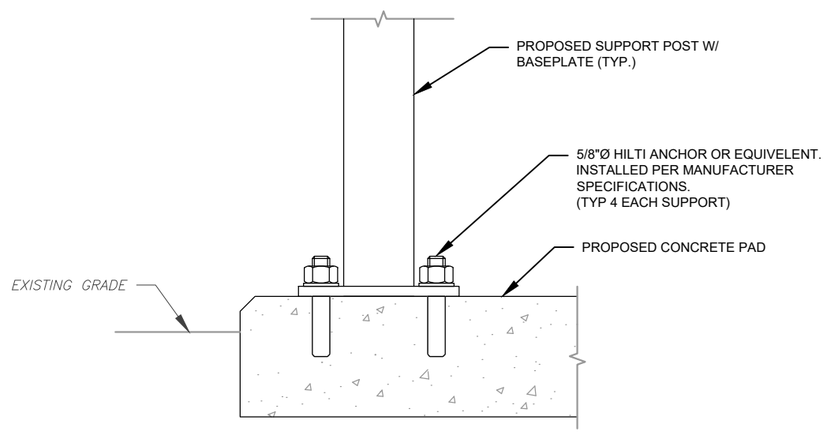
H-FRAME NOTES:

1. IF IT IS NECESSARY TO EXTEND THE H-FRAME, AN ADDITIONAL POST WILL ALWAYS BE REQUIRED.
2. PROPOSED UNISTRUTS TO BE FIELD CUT AND SHOULD NOT EXTEND MORE THAN 6 INCHES BEYOND THE LAST POST.
3. SPRAY ENDS OF UNISTRUT WITH COLD GALVANIZING SPRAY PAINT, ALLOW TO DRY, THEN COVER WITH RUBBER PROTECTIVE CAPS FOR SAFETY.
4. UNISTRUT TO BE CUT FLUSH WITH NO SHARP OR JAGGED EDGES.
5. ALL PROPOSED HARDWARE TO BE MOUNTED PER MANUFACTURERS SPECS.



3 TYPICAL H-FRAME DETAIL

SCALE: N.T.S.



4 CANOPY / H-FRAME SUPPORT ANCHOR DETAIL

SCALE: N.T.S.

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

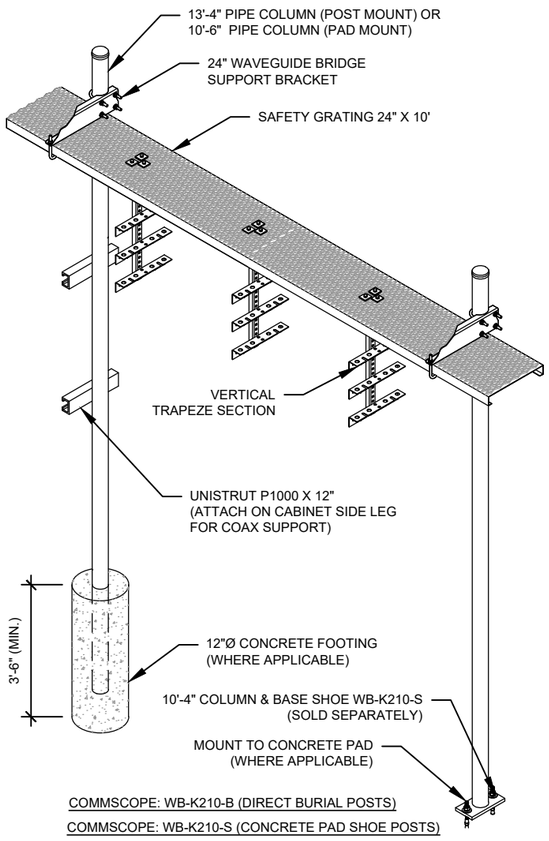
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-502	0



COMMSCOPE: WB-K210-B (DIRECT BURIAL POSTS)

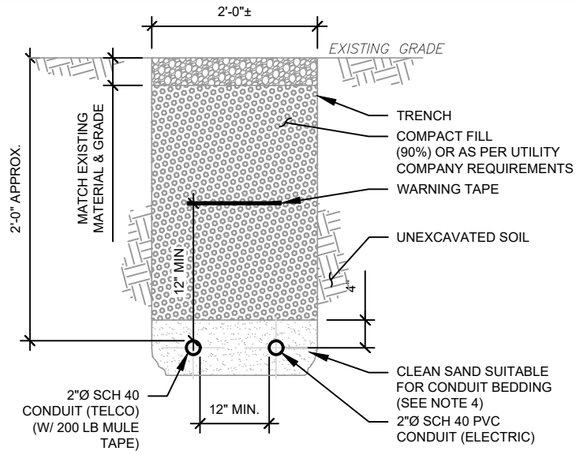
COMMSCOPE: WB-K210-S (CONCRETE PAD SHOE POSTS)

CONSTRUCTION NOTE:

1. INSTALL ICE BRIDGE TO ALLOW 7 FEET CLEARANCE ABOVE GRADE TO LOWEST APPURTENANCE.
2. INSTALL PER MANUFACTURES SPECIFICATION.

1 WAVEGUIDE BRIDGE KIT

SCALE: N.T.S.

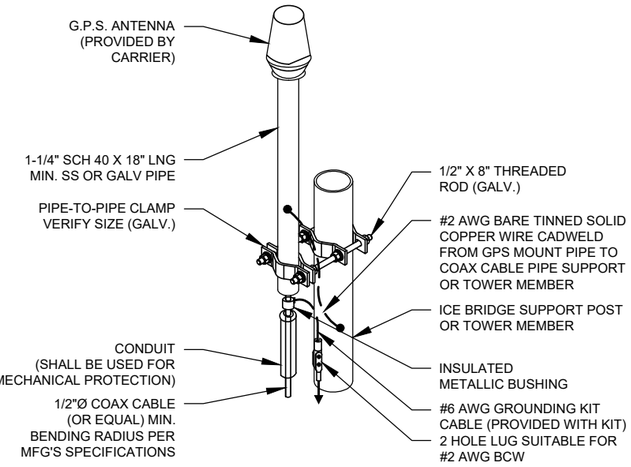


TRENCH NOTES:

1. IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL.
2. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL. 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. CONCRETE ENCASE CONDUIT WHEN TRENCHING UNDER SITE ACCESS ROAD.

2 TELCO AND POWER CONDUIT JOINT TRENCH

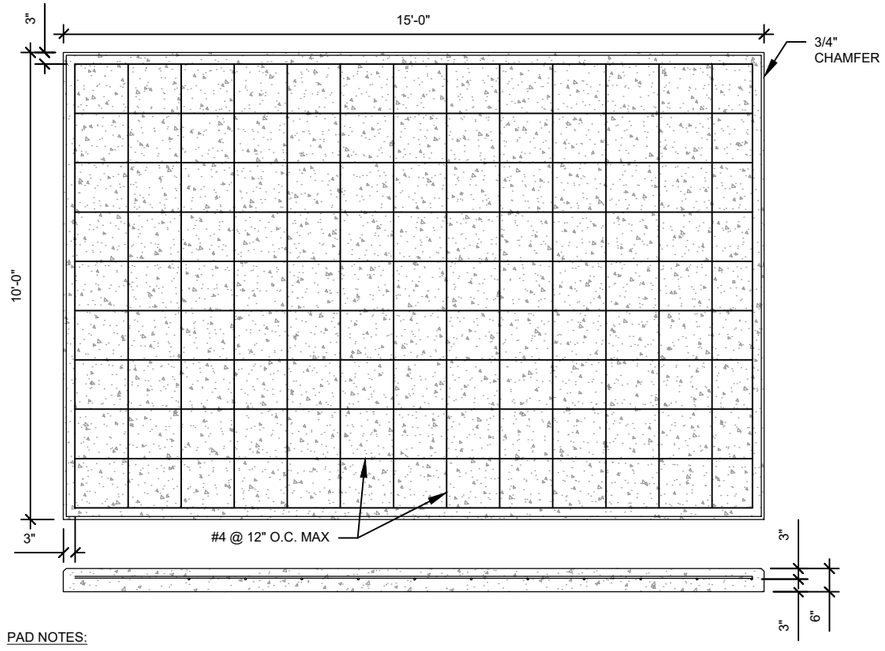
SCALE: N.T.S.



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

3 GPS ANTENNA ATTACHMENT DETAIL

SCALE: N.T.S.

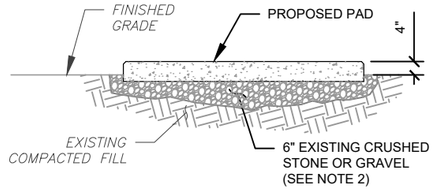


PAD NOTES:

1. PADS SHALL BE PRE-CAST MATCHING THIS DESIGN WHERE ALLOWED BY LOCAL JURISDICTION.
2. REFER TO CONCRETE & REINFORCED STEEL NOTES ON SHEET G-002 & ATC SPEC 033000 FOR CAST-IN-PLACE PADS.

4 REINFORCED PAD LAYOUT

SCALE: N.T.S.



PAD NOTES:

1. SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. DELETRIOUS MATERIAL AND ORGANICS SHALL BE REMOVED.
2. MECHANICALLY COMPACT FOOTPRINT OF PAD PLUS 2' PERIMETER.
3. USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR EQUIPMENT ANCHORAGE.
4. FOR SIZE AND LOCATION OF ANCHORS AND OTHER REQUIREMENT, SEE EQUIPMENT VENDOR DRAWINGS.

5 GRAVEL PREPARATION

SCALE: N.T.S.

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213

ATC SITE NAME:
FT WHITE WEST FL

T-MOBILE SITE NAME:
9JK2275A

SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-503	0

GROUNDING NOTES:

1. ALL EQUIPMENT ENCLOSURES, DEVICES AND CONDUITS SHALL BE GROUNDED TO CONFORM WITH THE LATEST REQUIREMENTS OF THE NEC BY THE INSTALLATION OF A SEPARATE, GREEN, INSULATED GROUND CONDUCTOR FOR ALL FEEDER AND BRANCH CIRCUITS. GROUND CONDUCTORS SHALL BE OF THE SIZE INDICATED ON THE DRAWINGS. GROUND CONDUCTORS SHALL BE CONTINUOUS IN LENGTH AND SHALL BE BONDED TO EACH ENCLOSURE THEY PASS THROUGH. CONDUIT SHALL NOT BE USED AS A GROUNDING CONDUCTOR.

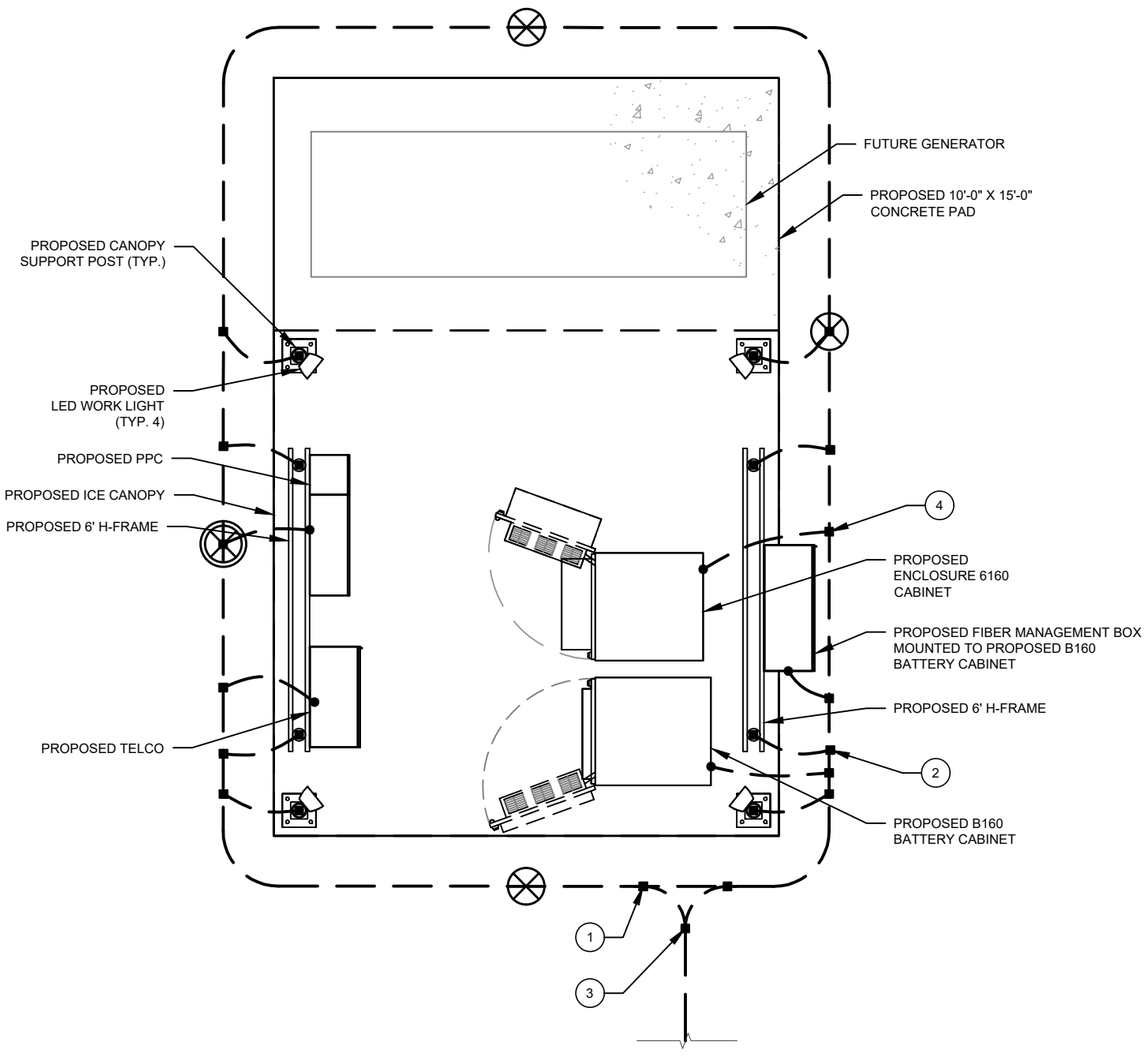
2. GROUNDING CONDUCTORS SHALL:
   - A. BE #2 AWG SOLID BARE TINNED COPPER (SBTC) FOR ALL GROUNDING SYSTEM WIRE UNLESS OTHERWISE NOTED, OR OTHERWISE REQUIRED BY CODE.
   - B. BE MINIMUM 12" BEND RADIUS. KEEP NUMBER OF BENDS TO A MINIMUM.
   - C. AVOID LONG BONDING CONNECTION RUNS. MAKE DIRECT AS POSSIBLE.
   - D. NOT HAVE ANY U-SHAPED RUNS.
   - E. BE IN NON-METALLIC CONDUIT ONLY, IF IN CONDUIT.
   - F. BE PLACED THROUGH NON-METALLIC SLEEVES IN FLOORS, WALLS, CEILINGS, ETC.
   - G. PROTECTED IN NON-METALLIC CONDUIT WHERE EXPOSED ABOVE GRADE.

2. INSTALL ALL GROUNDING RINGS AND RADIALS WITH CONDUCTIVE CEMENT, SANKOSHA AS DISTRIBUTED BY ELECTRIC MOTION COMPANY, INC., WINSTED, CT 06098, OR AS SPECIFICALLY INDICATED. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

3. GROUND RINGS SHALL BE:
   - A. MINIMUM 30" BELOW GRADE, OR BELOW FROST LINE WHICHEVER IS DEEPER.
   - B. MINIMUM 2' FROM FOUNDATIONS, FOOTINGS, OTHER GROUNDING SYSTEMS AND ALL CONDUCTIVE OBJECTS.
   - C. WITH MINIMUM 12" BEND RADII.
   - D. WITH ALL CONNECTIONS IN CONTACT WITH EARTH, BONDED BY EXOTHERMIC WELDING.
   - E. BONDED TO A SINGLE POINT GROUND (SPG) WITH A SINGLE WIRE AS INDICATED ON DRAWINGS.

4. GROUND RODS SHALL BE:
   - A. MINIMUM 5/8" DIAMETER.
   - B. MINIMUM 10' LONG.
   - C. COPPER-CLAD GALVANIZED STEEL OR STAINLESS STEEL.
   - D. PLACED IN UNDISTURBED SOIL AND BELOW THE FROST LINE.
   - E. INSTALLED WITH MINIMUM SEPARATION DISTANCE OF TWICE THE DEPTH OF THE ROD(S), OR AS INDICATED ON DRAWINGS.
   - F. MINIMUM TWO (2) RODS ON THE TOWER RING OR ONE (1) PER LEG WHICHEVER IS LARGER, MINIMUM FOUR (4) RODS ON EVERY EQUIPMENT BUILDING RING WITH ONE AT EACH CORNER OR AS INDICATED, MINIMUM ONE (1) ROD FOR POWER SERVICE GROUNDING ELECTRODE, AND MINIMUM ONE (1) ROD AT END OF EACH RADIAL.

5. CONDUCTIVE OBJECTS, SUCH AS FENCES, SHALL BE BONDED TO THE GROUNDING SYSTEM IF WITHIN 20' OF THE TOWER GROUNDING SYSTEM, OR 5' OF ANY OTHER GROUNDED COMPONENT.



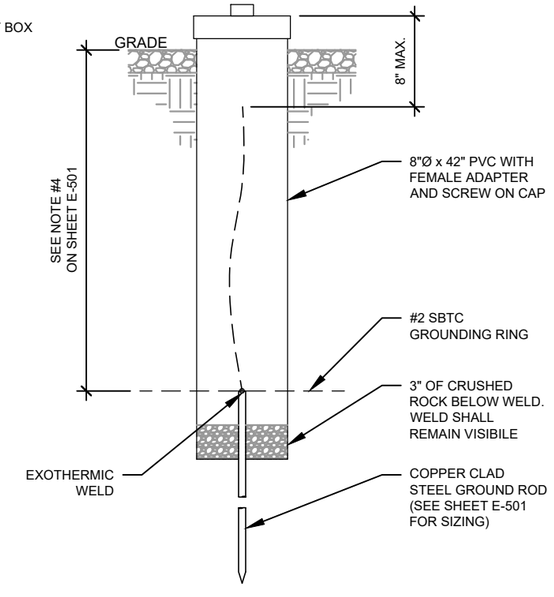
1 DETAILED GROUNDING PLAN
SCALE: N.T.S.

GROUNDING PLAN LEGEND:

- EXISTING GROUND WIRE
- GROUND WIRE
- EXOTHERMIC WELD
- MECHANICAL WELD
- 5/8"Ø X 10' COPPER GROUND ROD
- TEST WELL

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. #2 AWG SBTC BOND FROM TOWER GROUND RING TO EQUIPMENT.
4. EQUIPMENT BOND TO GROUND RING (TYP.)
5. 6" BUSS BAR



2 TEST WELL DETAIL
SCALE: N.T.S.

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

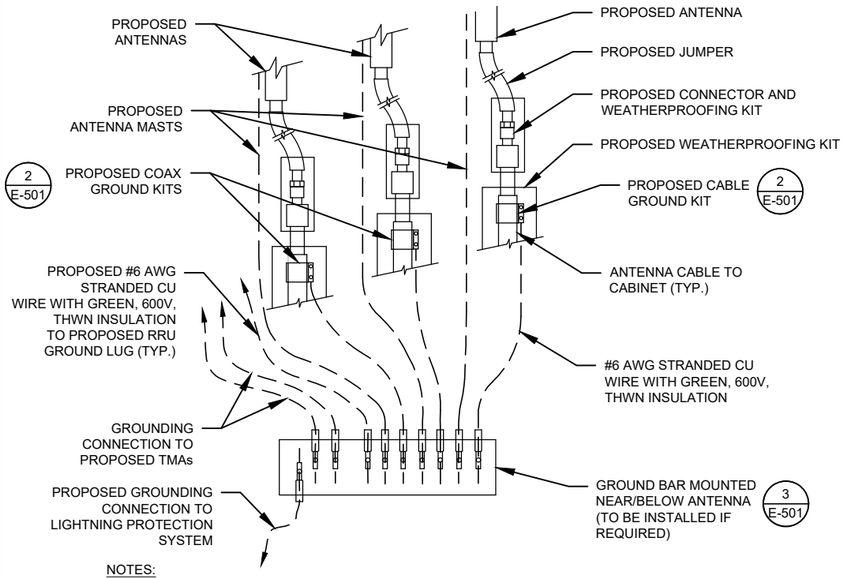
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

GROUNDING PLAN AND NOTES

SHEET NUMBER:	REVISION:
E-101	0

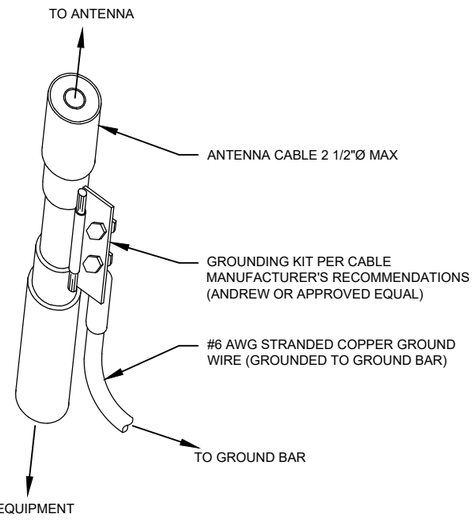


NOTES:

1. 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.
2. SITE GROUNDING SHALL COMPLY WITH T-MOBILE GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH T-MOBILE 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.

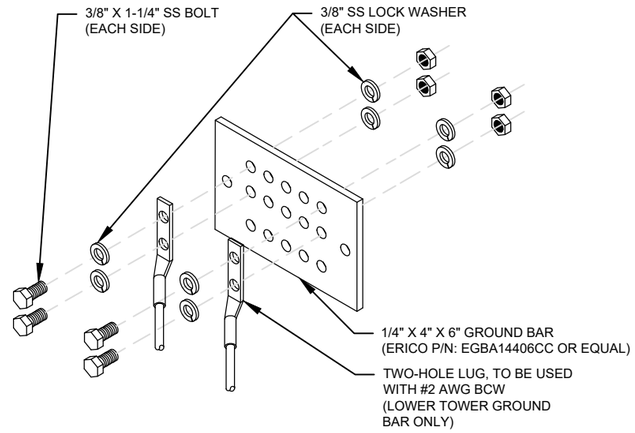


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.

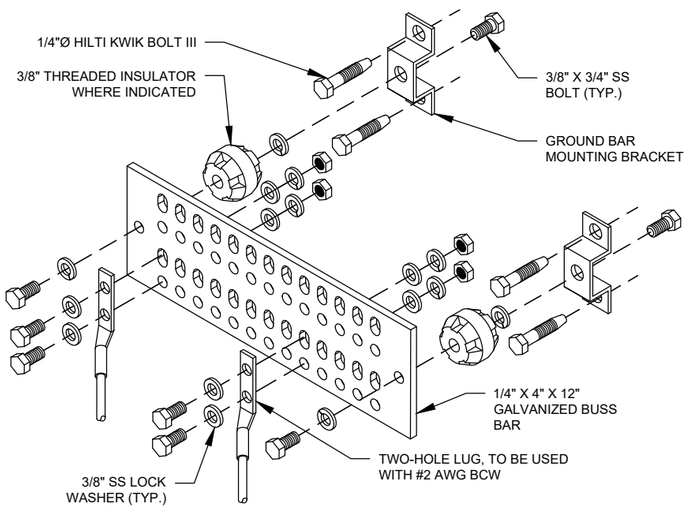


GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

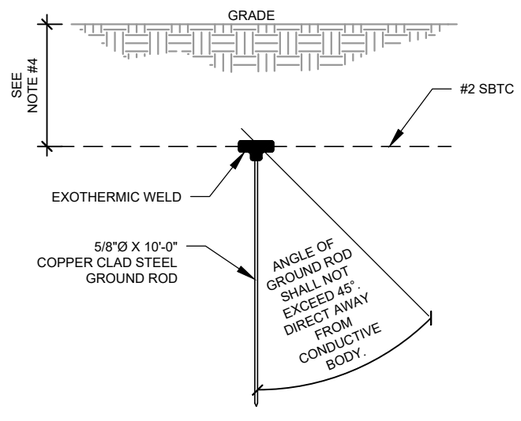


GROUND BAR NOTES

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

4 MAIN GROUND BAR DETAIL

SCALE: N.T.S.

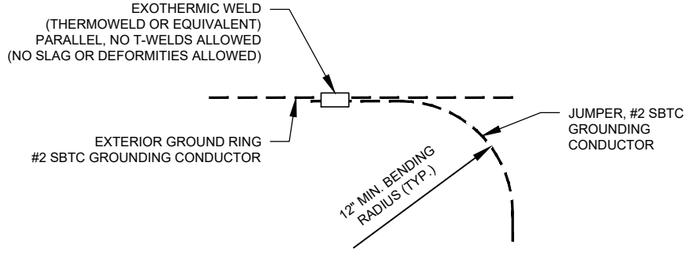


NOTES:

1. SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS.
2. COORDINATE UTILITY, LOCATE BEFORE DIGGING.
3. CONDUIT TRENCHING DEPTHS AT 36" OR 6" BELOW FROST LINE, WHICHEVER IS GREATER.
4. ALL RING AND RADIAL DEPTHS AT 30" OR 6" BELOW FROST LINE, WHICHEVER IS GREATER.

5 GROUND ROD DETAIL

SCALE: N.T.S.



6 TIE CONNECTION DETAIL

SCALE: N.T.S.

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

T-Mobile

ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

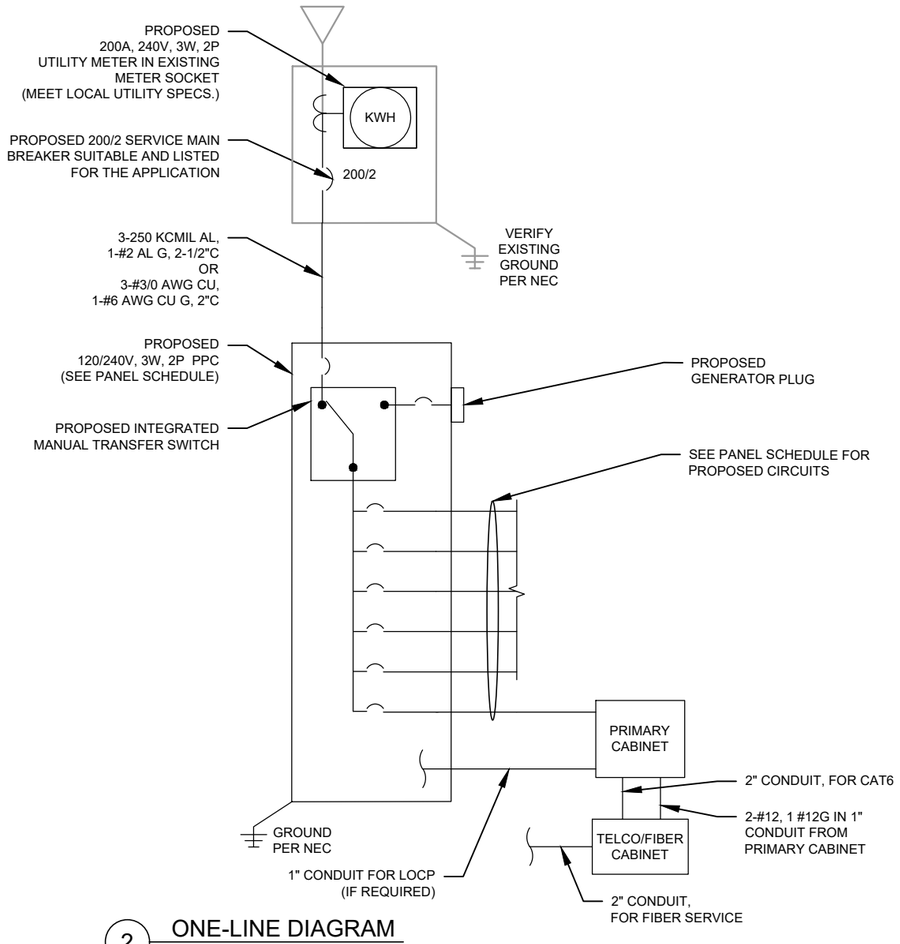
PANEL DESIGNATION:	TMO	TYPE:	LIGHTING & APPLIANCE	SYSTEM:	120/240V, 1Ø, 3W, 24 CKT	LOCATION:	TMO LEASE EQUIPMENT AREA
		MOUNTING:	SURFACE	MAIN BREAKER (MB):	200A		
		ENCLOSURE:	NEMA 3R	MAIN BUS RATING:	200A	PANEL NOTES:	PROPOSED
				MIN. A.I.C. RATING:	N/A		

CONNECTED LOAD (kVA) A	CONNECTED LOAD (kVA) B	BRIEF DESCRIPTION	FEEDER OR BRANCH CIRCUIT BREAKER AMPS	BREAKER POLES	CIRCUIT WIRE	CIRCUIT GND	CIRCUIT COND.	POLE NO.	CIRC. NOTES
0.01		SURGE	60	2	3-#6	#10	1"	1	
	0.01							3	
7.50		ENCLOSURE 6160 V2	150	2	2-#3/0	#6	2"	5	
	7.50							7	
0.00								9	
	0.00							11	
0.00								13	
	0.00							15	
0.00								17	
	0.00							19	
0.00								21	
	0.00							23	
7.5	7.5							A	B
								7.8	8.0
								7.8	8.0

CIRC NOTES	POLE NO.	CIRCUIT COND.	CIRCUIT GND	CIRCUIT WIRE	BREAKER POLES	BREAKER AMPS	BRIEF DESCRIPTION	CONNECTED LOAD (kVA) A	CONNECTED LOAD (kVA) B
	2	1/2"	#12	2-#12	1	20	GFI	0.18	
	4	1/2"	#12	2-#12	1	20	LIGHT		0.50
	6	1/2"	#12	2-#12	1	20	AAV GFI	0.15	
	8								0.00
	10							0.00	
	12								0.00
	14							0.00	
	16								0.00
	18							0.00	
	20								0.00
	22							0.00	
	24								0.00
	TOTAL							0.3	0.5
	15.9	CONNECTED LOAD (kVA)							
	15.9	DEMAND LOAD (kVA)							

DERATING FACTOR (80%)
DEMANDLOAD SIZING: *83 AMPS*

1 PANEL SCHEDULE



2 ONE-LINE DIAGRAM

STANDARD CONDUIT USE TABLE			
CONDUIT TYPE	USE CASE	LOCATION	USE CASE EXAMPLE
RMC (METALLIC)	AC, DC COMM	ABOVE GROUND	ABOVE GROUND PPC TO SSC
PVC	AC POWER	UNDERGROUND	UNDERGROUND PPC TO SSC OR BACKHAUL TRANSPORT HUB TO SSC
LFMC	AC, DC, COMM	MAX 6' PER CONDUIT RUN, ABOVE GROUND ONLY	TIGHT LOCATIONS BETWEEN HUB AND CONDUIT BUT NOT TO BE USED WHERE IT CAN BE STEPPED ON
EMT	INDOOR AC, DC COMM	INDOOR NOT EXPOSED TO THE OUTDOOR ENVIRONMENT (MUST BE DRY)	CIRCUIT PANEL TO JUNCTION BOX
LFNC	GROUND WIRE	CONCEALING AND PROTECTING BTCW RISERS ONLY	GROUND RING TO MGB OR SSC

EXCEPTION CONDUIT USE TABLE			
CONDUIT TYPE	USE CASE	LOCATION	USE CASE EXAMPLE
EMT (NOT PREFERRED)	OUTDOOR DC, COMM	OUTDOOR WHEN USED WITH WATERTIGHT HUBS ONLY	BETWEEN EQUIPMENT AND BATTERY CABINET OR EQUIPMENT TO EQUIPMENT CABINETS FOR INTER CABINET CONNECTION
RMC NONMETALLIC (ALUMINUM)	OUTDOOR/INDOOR PER NEC GUIDLINES	ABOVE GROUND	MAT BE USED AS A LOWER COST ALTERNATIVE TO METALLIC RMC, MUST MEET OR EXCEED FEDERAL SPEC: WW-C-540C, UL-6A, ANSI C80.5, NEC 344.10 (A) ALLOWS THE USE OF EITHER ALUMINUM OR GALVANIZED FITTINGS

3 CONDUIT USE TABLES

NOTE:
1. ALL EQUIPMENTS' SHORT-CIRCUIT CURRENT RATING SHALL EXCEED AVAILABLE FAULT CURRENT PER UTILITY
2. CONTRACTOR TO INSTALL HANDHOLES AT EVERY 3RD 90° TURN

AMERICAN TOWER®

SMW ENGINEERING GROUP, LLC
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 www.smweng.com

REV.	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	ZDS	05/16/25
0	FOR CONSTRUCTION	ZDS	05/29/25

ATC SITE NUMBER:
282213
ATC SITE NAME:
FT WHITE WEST FL
T-MOBILE SITE NAME:
9JK2275A
SITE ADDRESS:
GA# 32053
338 SW LENOX GLEN
FORT WHITE, FL 32038

SEAL:

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY JEREMY D SHARIT, PE (#751337) USING A DIGITAL SIGNATURE IN ACCORDANCE IN ACCORDANCE WITH FAC 61G15-23.004, WITH A DIGITAL CERTIFICATION ISSUED BY ENTRUST INC. PLEASE REFERENCE SHEET T1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

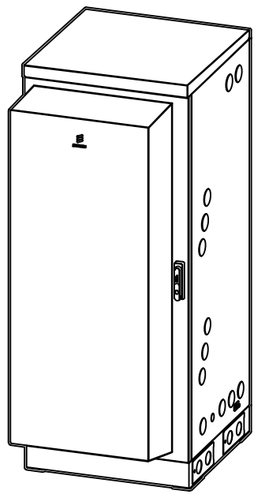
T-Mobile

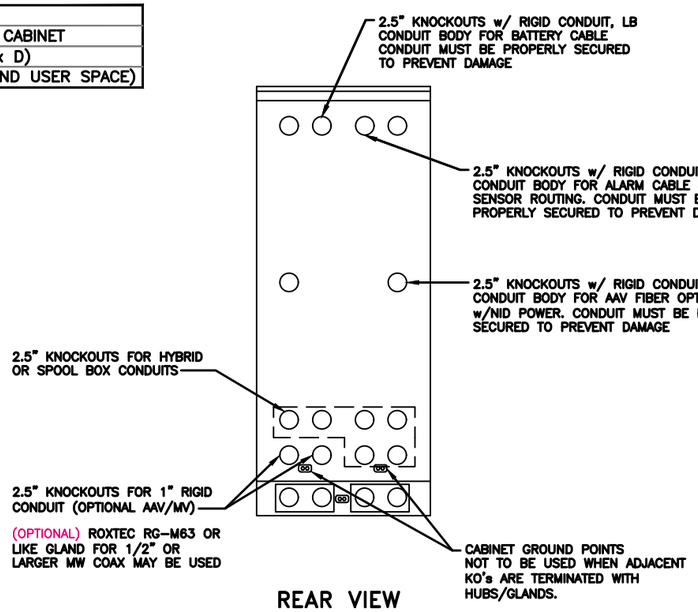
ATC PROJ. #:	15133535_D2
CUST. ID:	9JK2275A
CUST. #:	9JK2275A

PANEL SCHEDULE & ONE-LINE DIAGRAM

SHEET NUMBER:	REVISION:
E-601	0

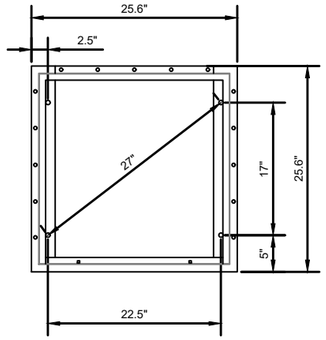
MANUFACTURER:	ERICSSON
MODEL:	UT_E6160_AC_V2 – SITE SUPPORT CABINET
DIMENSIONS:	63" x 25.6" x 33.46" (H x W x D)
WEIGHT:	434.31 LBS (EMPTY POWER RACK AND USER SPACE)





REAR VIEW

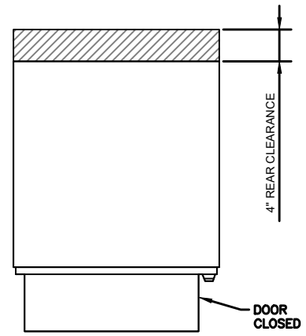
NOTE:
- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL THROUGH KNOCKOUTS
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING

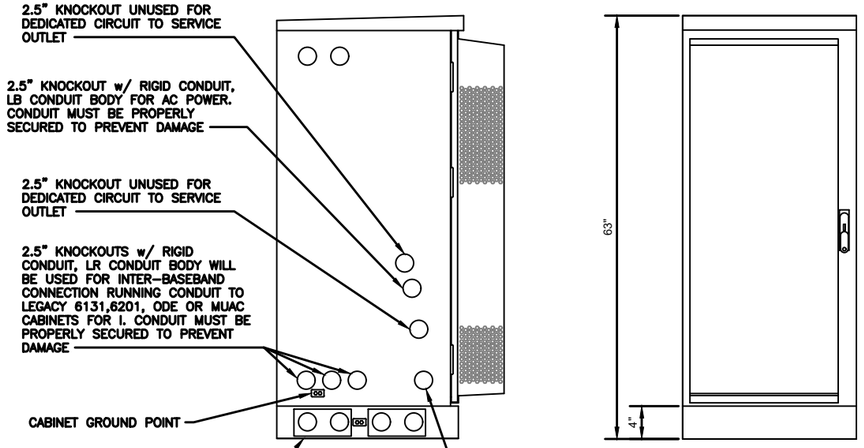


BOLT DOWN PATTERN

GROUNDING NOTE:

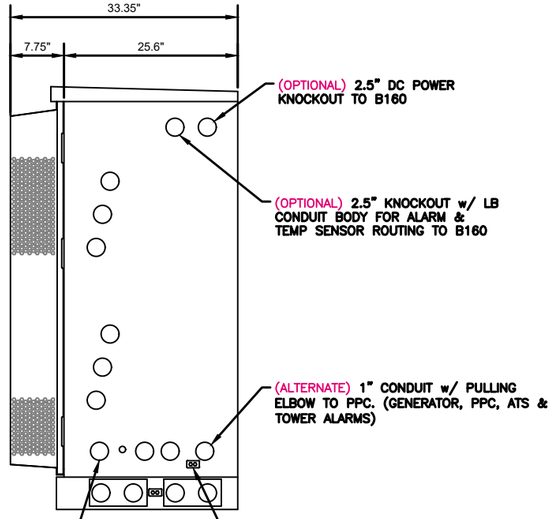
"CABINET GROUNDING TO USE A SINGLE, #2 BTCW CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED."



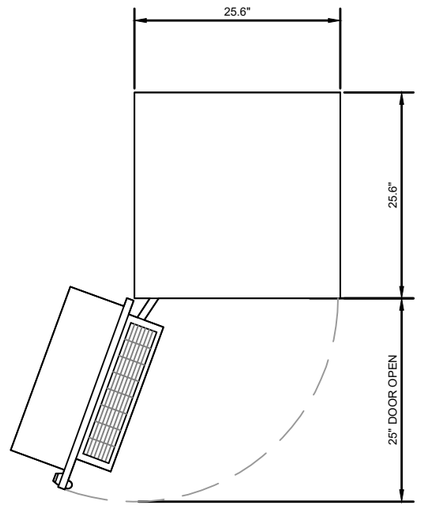


LEFT VIEW

FRONT VIEW



RIGHT VIEW



PLAN VIEW

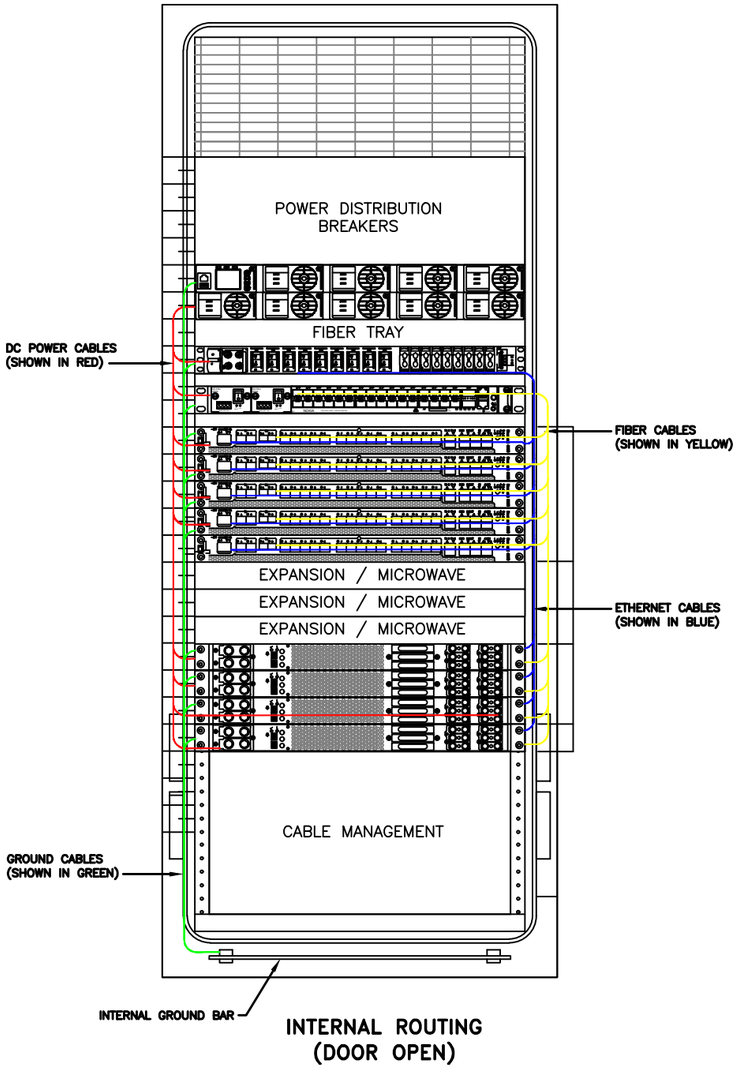
1 ERICSSON 6160_AC_V2 SITE SUPPORT CABINET

SCALE: N.T.S.

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

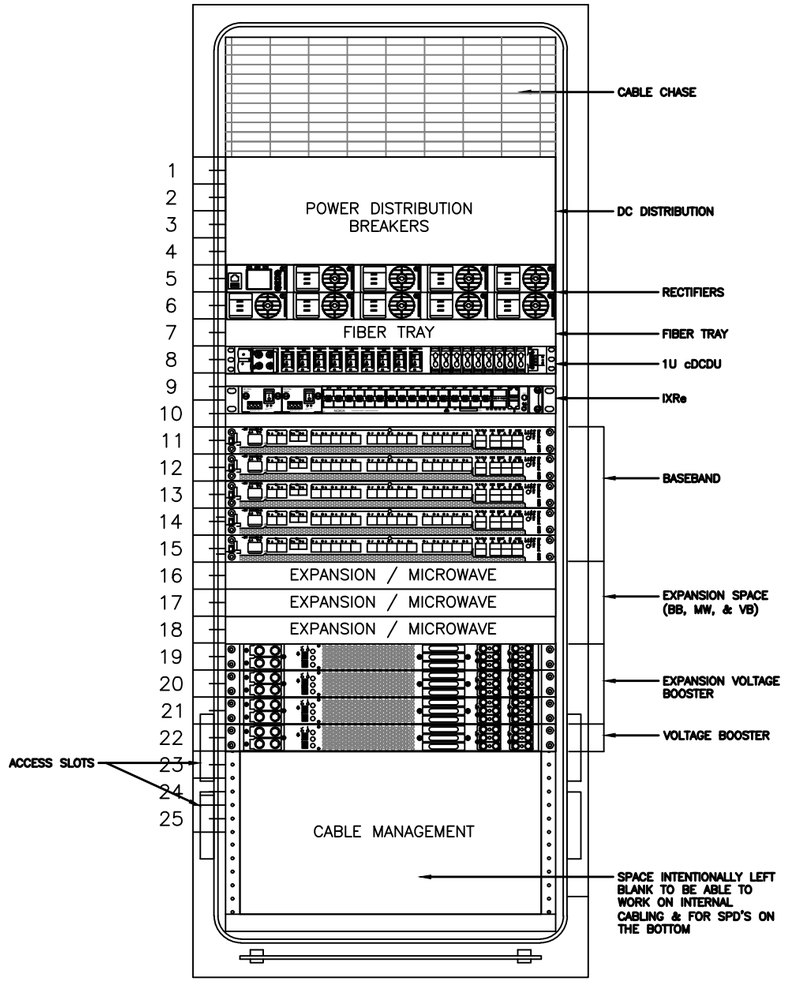
SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-601	0



INTERNAL ROUTING
(DOOR OPEN)

RACK ASSIGNMENTS	
RU SLOTS	DESCRIPTION
1	POWER DISTRIBUTION BREAKERS
2	
3	
4	
5	RECTIFIER SHELF
6	
7	FIBER TRAY
8	cDCDU
9	BACKHAUL ROUTER
10	
11	1ST BASEBAND
12	2ND BASEBAND
13	3RD BASEBAND
14	4TH BASEBAND
15	5TH BASEBAND
16	EXPANSION – MICROWAVE
17	
18	
19	EXPANSION / PSU
20	
21	
22	VOLTAGE BOOSTER
23	OPEN SPACE FOR SPD ACCESS
24	
25	



FRONT VIEW
(DOOR OPEN)

1 ERICSSON 6160_AC_V2 SITE SUPPORT CABINET

SCALE: N.T.S.

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

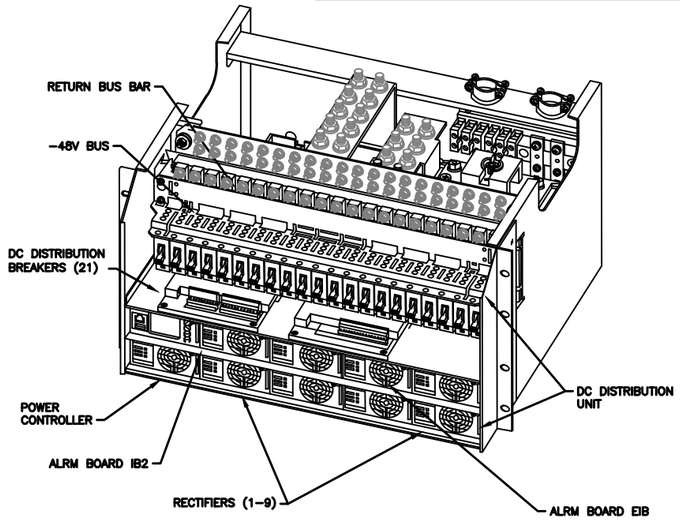
SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-602	0

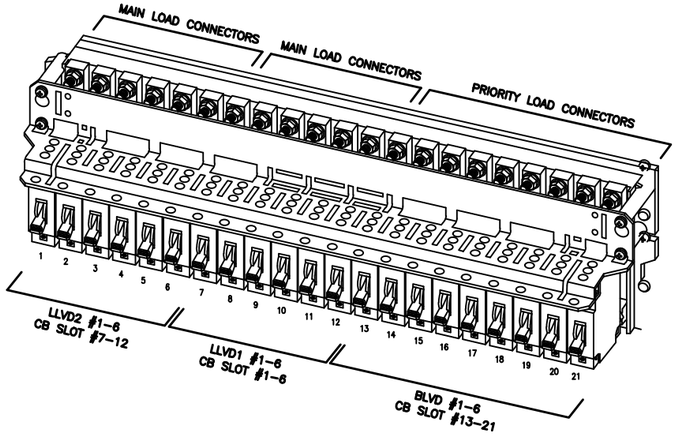
NOTE:
THIS IS FOR REFERENCE ONLY, CHECK FOR SPECIFIC DETAIL IN T–MOBILE CABINET SPECIFIC INSTALLATION GUIDES

CB SLOT	CKT#		3 Sector B12/71-Radio 4449 B25/66-Radio 4415 B25-Radio 4424 B41-Air 6449 or 6419	3 Sector B12/71-Radio 4480 B25/66-Radio 4460 B41-Air 6419 or Radio 88635			4 Sector B12/71-Radio 4480 B25/66-Radio 4460 B41-Air 6419 or Radio 88635			6 Sector B12/71-Radio 4480 B25/66-Radio 4460 B41-Air 6419 or Radio 8863 (Excalibur Only)		
1		1	IXRe PS-2*	-			IXRe PS-2*			B25/66 DC-2ε	OR	IXRe PS-2*
2		2	B25 DC-2α	-			-			B25/66 DC-1ζ		Voltage Booster-7 B25/66 DC 1ζ, B25/66 DC-2ε and ζ
3	LVD1 47.0V	3	B25 DC-2β	-			B41δ	OR	Voltage Booster-6 B41 δ B12/71 δ	B25/66 DC-2ζ		
4		4	B25 DC-2γ	B41α	OR	-	B41α			B41α	OR	-
5		5	Voltage Booster-4 B41α, β and γ	B41β		Voltage Booster-4 B41α, β and γ	B41β		Voltage Booster-4 B41α, β and γ	B41β		Voltage Booster-4 B41α, β and γ
6		6		B41γ			B41γ			B41γ		
7		1	B12/71DC-1α	B12/71α	OR	Voltage Booster-3 B12/71α, β and γ	B12/71α	OR	Voltage Booster-3 B12/71α, β and γ	B12/71α	OR	Voltage Booster-3 B12/71α, β and γ
8		2	B12/71DC-1β	B12/71β			B12/71β			B12/71β		
9	LVD2 45.1V	3	B12/71DC-1γ	B12/71γ		-	B12/71γ		-	B12/71δ		-
10		4	B12/71DC-2α	-			B71/12δ		-	B25/66 DC-1δ		-
11		5	B12/71DC-2β	-			B25/66 DC-1δ	OR	Voltage Booster-5 B25/66 DC-1δ B25/66 DC-2δ	B25/66 DC-2δ	OR	Voltage Booster-5 B25/66 DC-1δ and ε B25/66 DC-2δ
12		6	B12/71DC-2γ	-			B25/66 DC-2δ			B25/66 DC-1ε		
13		1	IXRe PS-1	IXRe PS-1			IXRe PS-1			IXRe PS-1		
14		2	B25/66α	B25/66 DC-1α	OR	Voltage Booster-1 B25/66 DC-1α and β B25/66 DC-2α	B25/66 DC-1α	OR	Voltage Booster-1 B25/66 DC-1α and β B25/66 DC-2α	B25/66 DC-1α	OR	Voltage Booster-1 B25/66 DC-1α and β B25/66 DC-2α
15		3	B25/66β	B25/66 DC-2α			B25/66 DC-2α			B25/66 DC-2α		
16		4	B25/66γ	B25/66 DC-1β		-	B25/66 DC-1β		-	B25/66 DC-1β		-
17	BLVD 43.2V	5	B25 DC-1α	B25/66 DC-2β		-	B25/66 DC-2β		-	B25/66 DC-2β		-
18		6	B25 DC-1β	B25/66 DC-1γ		Voltage Booster-2 B25/66 DC-1γ B25/66 DC-2β and γ	B25/66 DC-1γ		Voltage Booster-2 B25/66 DC-1γ B25/66 DC-2β and γ	B25/66 DC-1γ		Voltage Booster-2 B25/66 DC-1γ B25/66 DC-2β and γ
19		7	B25 DC-1γ	B25/66 DC-2γ			B25/66 DC-2γ			B25/66 DC-2γ		
20		8	DCDU (RP/BBs, AAV, & MW)	DCDU (RP/BBs, IXRe PS-2, AAV, & MW)			DCDU (RP/BBs, IXRe PS-2, AAV, & MW)			DCDU (RP/BBs, IXRe PS-2, AAV, & MW)		
21		9	Primary AAV	Primary AAV			Primary AAV			Primary AAV		

See Breaker Tables for breaker sizes.
α = Alpha, β = Beta, γ = Gamma, δ = Delta, ε = Epsilon, ζ = Zeta



POWER SUBRACK



DC DISTRIBUTION

1 ERICSSON 6160 ELECTRICAL DETAILS

SCALE: N.T.S.

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

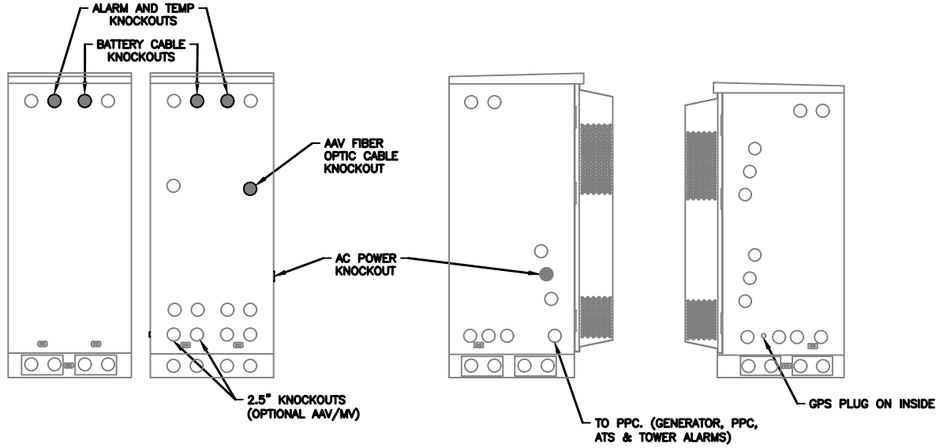
SUPPLEMENTAL

SHEET NUMBER: R-603

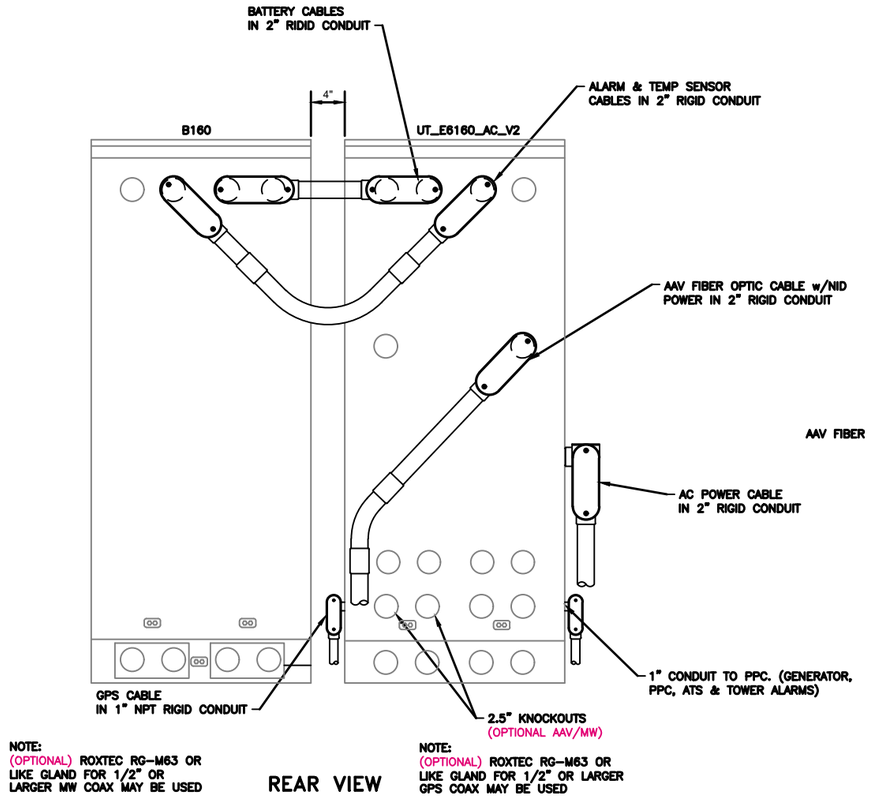
REVISION: 0

NOTE:

1. ALL CONDUIT AND FITTING ENTRANCES INTO CABINETS AND ENCLOSURES MUST UTILIZE MYERS OR EQUIVALENT HUBS TO PREVENT WATER ENTRY/SEEPAGE INTO CABINETS AND ENCLOSURES.
2. (LIQUIDFLEX) FLEXIBLE METALLIC CONDUIT (LFMC) & ASSOCIATED FITTINGS CAN BE USED AS NEEDED BUT ONLY FOR TIGHT CONDUIT BENDS AND RUNS SUBJECT TO UL AND NEC LIMITATIONS. 6' MAX PER CONDUIT RUN.
3. "DOOR HEX HOOD CLEARANCE MUST BE CONSIDERED WHEN INSTALLING AC POWER CONDUIT BODY TO MYERS HUB BY KEEPING THE CONDUIT BODY AS CLOSE TO THE CABINET AS POSSIBLE.
4. PULLING ELBOWS MAY BE USED IN LIEU OF A CONDUIT BODIES WHEN CLEARANCE IS LIMITED.
5. ALL EXTERNAL ALARM CONDUITS ARE TOO TERMINATE AT THE PPC WITH A SINGLE 1" ALARM CONDUIT TO THE UT_E6160_AC_V2.



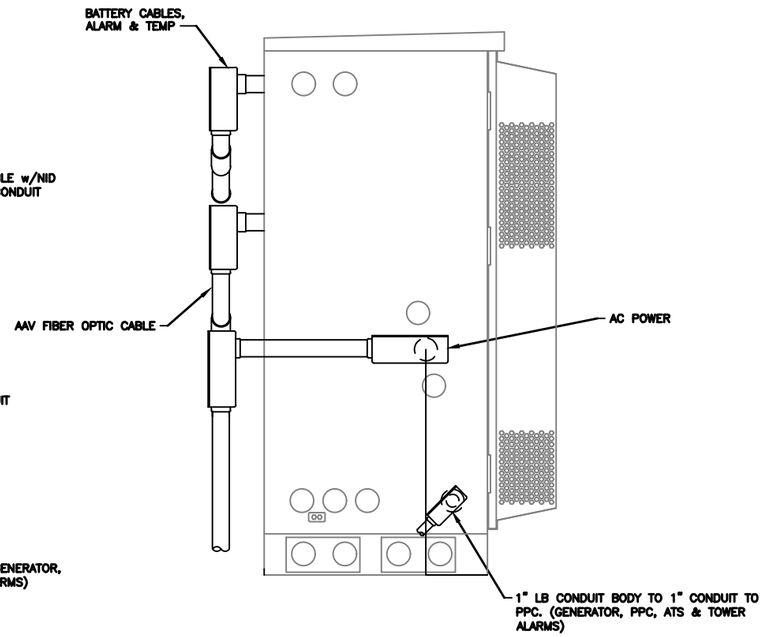
CONDUIT LOCATIONS



NOTE:
(OPTIONAL) ROXTEC RG-M63 OR LIKE GLAND FOR 1/2" OR LARGER MW COAX MAY BE USED

REAR VIEW

NOTE:
(OPTIONAL) ROXTEC RG-M63 OR LIKE GLAND FOR 1/2" OR LARGER GPS COAX MAY BE USED



SIDE VIEW

1 ERICSSON 6160/B160 CONDUIT ROUTING DETAILS

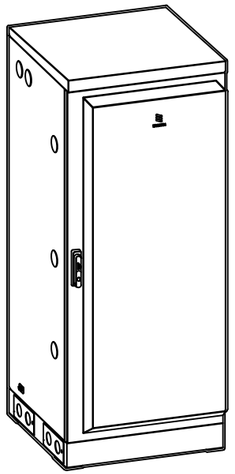
SCALE: N.T.S.

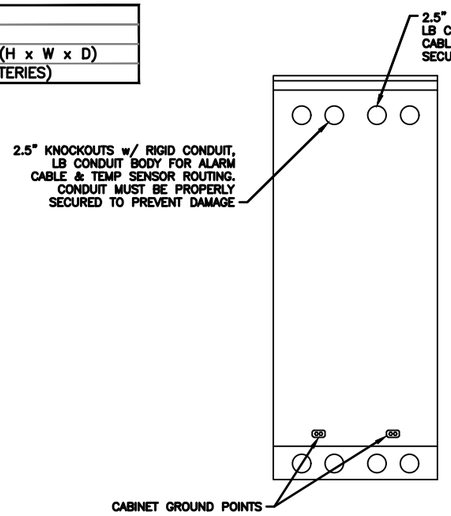
NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

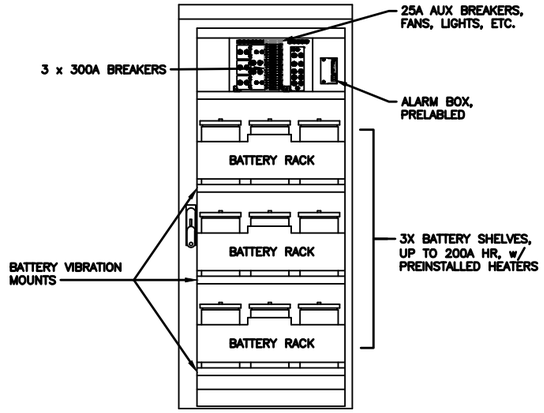
SHEET NUMBER:	REVISION:
R-604	0

MANUFACTURER:	ERICSSON
MODEL:	B160 BATTERY CABINET
DIMENSIONS:	63" x 25.6" x 29.5" (H x W x D)
WEIGHT:	295 LBS (WITHOUT BATTERIES)



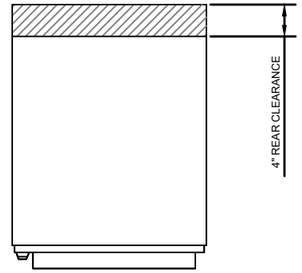


REAR VIEW



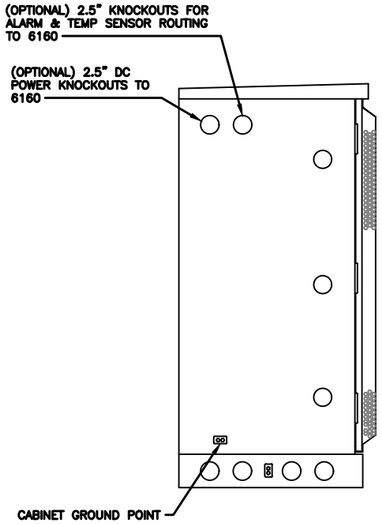
FRONT VIEW
(DOOR OPEN)

NOTE:
- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL THROUGH KNOCKOUTS
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING

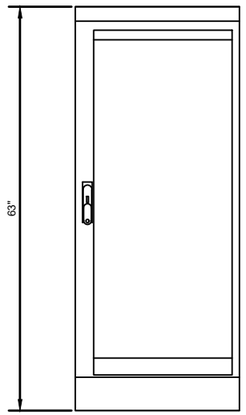


GROUNDING NOTE:

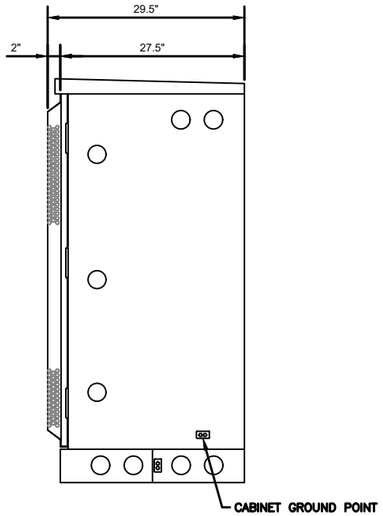
"CABINET GROUNDING TO USE A SINGLE, #2 BTCW CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED."



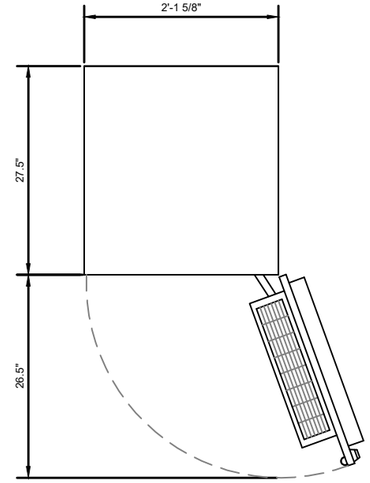
LEFT VIEW



FRONT VIEW



RIGHT VIEW



PLAN VIEW

B160 ERICSSON SITE SUPPORT BATTERY CABINET

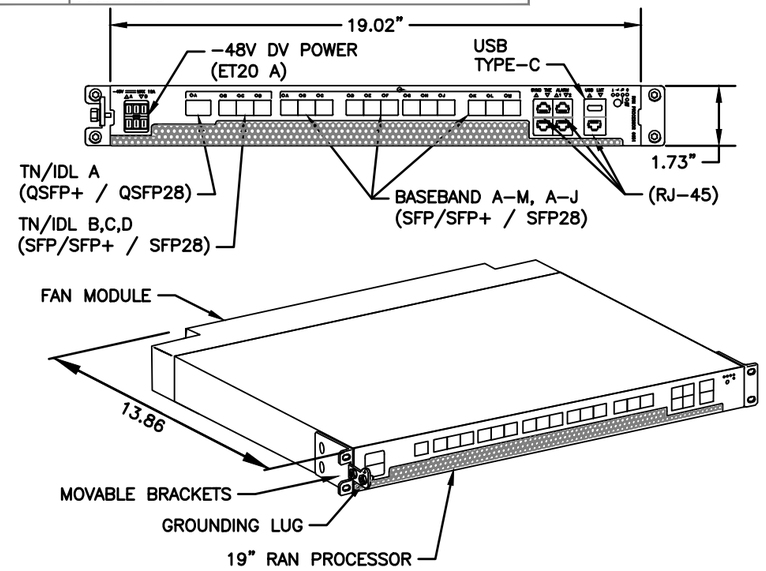
1 ERICSSON B160 BATTERY CABINET SPECIFICATIONS
SCALE: N.T.S.

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

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-605	0

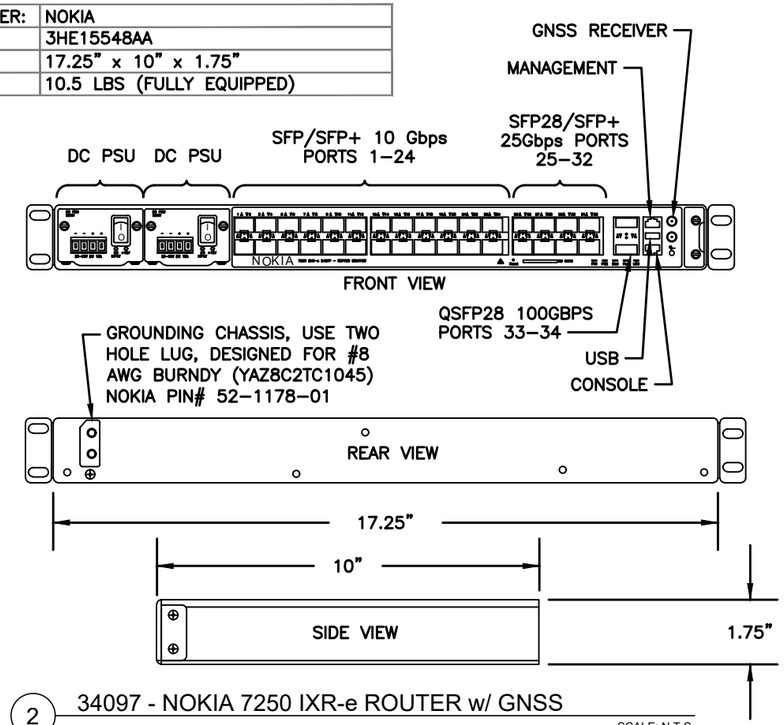
MANUFACTURER:	ERICSSON
MODEL:	6651 RAN PROCESSOR (KDU1370093/11)
DIMENSIONS:	1.73" X 19.02" X 13.86" (H" X W" X D")
WEIGHT:	16.98 LBS



1 34553 - ERICSSON 6651 RAN PROCESSOR

SCALE: N.T.S.

MANUFACTURER:	NOKIA
MODEL:	3HE15548AA
DIMENSIONS:	17.25" x 10" x 1.75"
WEIGHT:	10.5 LBS (FULLY EQUIPPED)



2 34097 - NOKIA 7250 IXR-e ROUTER w/ GNSS

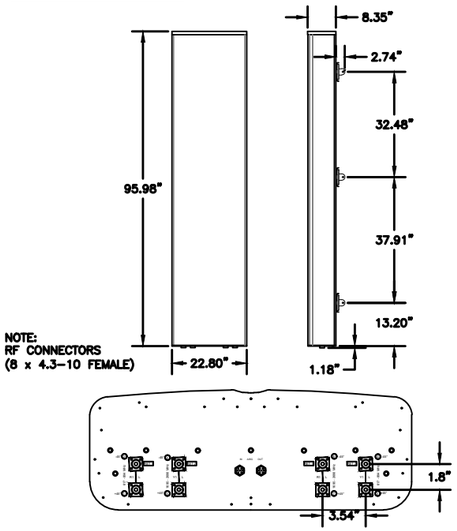
SCALE: N.T.S.

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

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-606	0

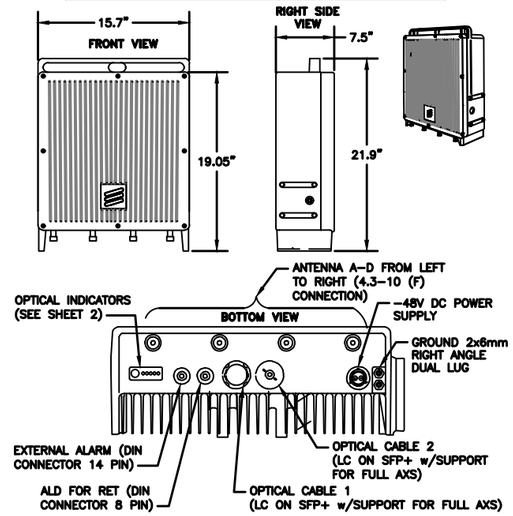
MANUFACTURER:	COMMSCOPE
MODEL:	FFVV-65C-R2N23
DIMENSIONS:	95.98" x 22.80" x 8.35 (H x W x D)
WEIGHT:	103.62 LB
BAND:	MULTIBAND (8 PORT)
MOUNTING KIT:	BSAMNT-4 (14.33 LB) & BSAMNT-M4 (10.14 LB) INCLUDED



1 39179 - COMMSCOPE FFVV-65C-R2N23

SCALE: N.T.S.

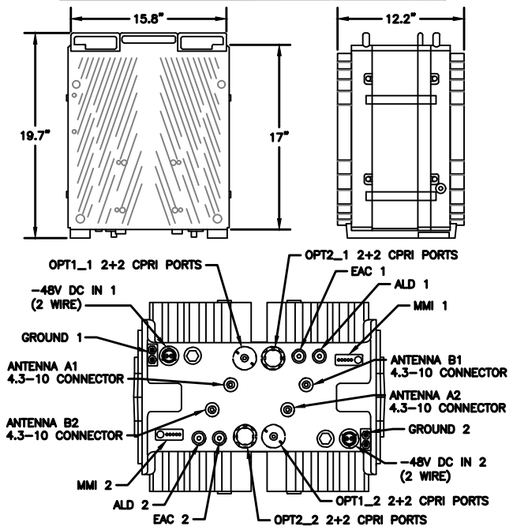
MANUFACTURER:	ERICSSON
MODEL:	4480 RADIO (KRC 161 922/1)
DIMENSIONS:	21.9" x 15.7" x 7.5" (H x W x D)
MODEL BAND:	B71, B85 FOR NR AND LTE
WEIGHT:	81 LBS
BRACKET WEIGHT:	3.75 LBS (MULTI ERS #109 1973/2)



2 34372 - ERICSSON 4480 RADIO

SCALE: N.T.S.

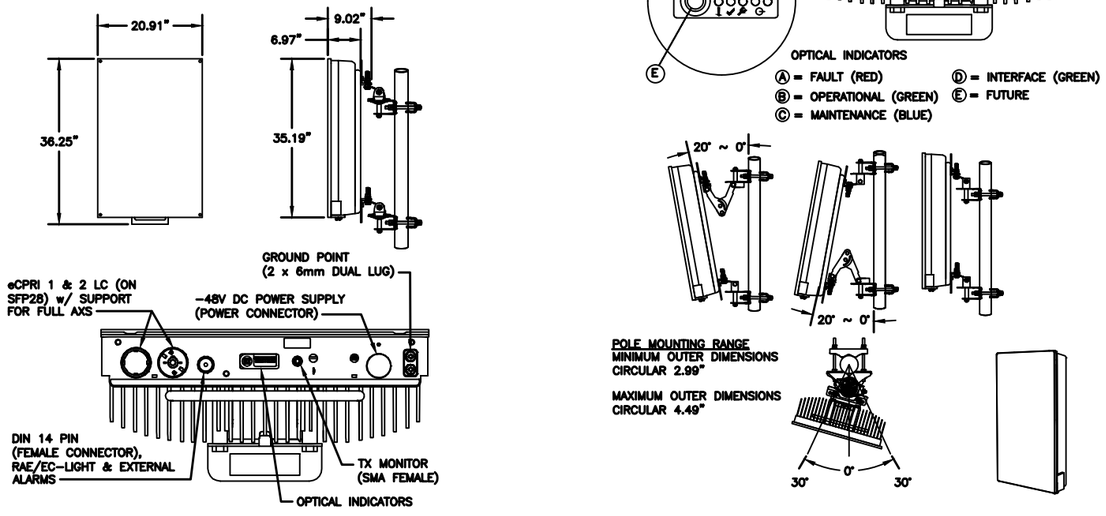
MANUFACTURER:	ERICSSON
MODEL:	4460 RADIO B2/25 B66 (KRC 161 912/3)
DIMENSIONS:	19.7" x 15.8" x 12.2" (H" x W" x D")
WEIGHT:	109 LBS
BRACKET WEIGHT:	4.8 LBS (ERS HEAVY #SXK1255993/1)



3 34373 - ERICSSON 4460 RADIO B2/25 B66

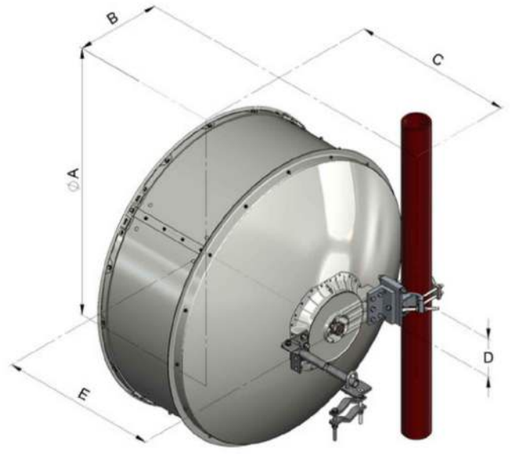
SCALE: N.T.S.

MANUFACTURER:	ERICSSON
MODEL:	AIR 6419 B41 (2.5GHz M-MIMO)
DIMENSIONS:	36.25" x 20.91" x 9.02" NOT TO EXCEED (H x W x D)
WEIGHT:	83 LBS (EXCLUDING MOUNTING KIT)
MOUNT WEIGHT:	13.5 LBS (SXK109 2016/1)



4 34552 - ERICSSON AIR 6419 BAND 41

SCALE: N.T.S.



Dimensions in inches (mm)					
Antenna size, ft (m)	A	B	C	D	E
4 (1.2)	50.8 (1291)	16 (407)	30.2 (767)	7.2 (183)	29.5 (748)

5 COMMSCOPE VHLP4-11WA

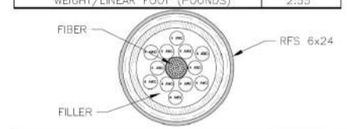
SCALE: N.T.S.

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

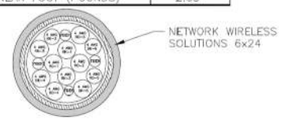
SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-607	0

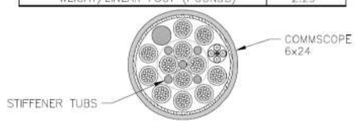
PARAMETER	VALUE
NOMINAL DIAMETER (INCHES)	2
CROSS-SECTION AREA (SQUARE INCHES)	3.13
JACKET COLOR	BLACK
WEIGHT/LINEAR FOOT (POUNDS)	2.55



PARAMETER	VALUE
NOMINAL DIAMETER (INCHES)	1.79
CROSS-SECTION AREA (SQUARE INCHES)	2.52
JACKET COLOR	BLACK
WEIGHT/LINEAR FOOT (POUNDS)	2.65

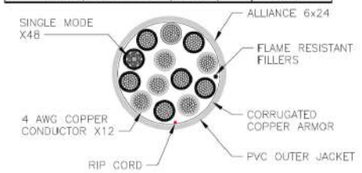


PARAMETER	VALUE
NOMINAL DIAMETER (INCHES)	1.76
CROSS-SECTION AREA (SQUARE INCHES)	2.43
JACKET COLOR	BLACK
WEIGHT/LINEAR FOOT (POUNDS)	2.29

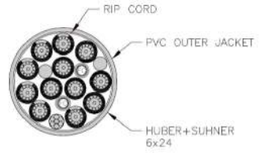


(6x24) HYBRID TRUNK CROSS SECTION 1
8.5" x 11" SCALE N.T.S. | 11" x 17" SCALE N.T.S.

PARAMETER	VALUE
NOMINAL DIAMETER (INCHES)	1.8
CROSS-SECTION AREA (SQUARE INCHES)	2.54
JACKET COLOR	BLACK
WEIGHT/LINEAR FOOT (POUNDS)	2.48



PARAMETER	VALUE
NOMINAL DIAMETER (INCHES)	1.62
CROSS-SECTION AREA (SQUARE INCHES)	2.04
JACKET COLOR	BLACK
WEIGHT/LINEAR FOOT (POUNDS)	2.39



(6x24) HYBRID TRUNK CROSS SECTION 2
8.5" x 11" SCALE N.T.S. | 11" x 17" SCALE N.T.S.

Cable Vendor	Cable Type	Nominal OD (in.)	C.S. Area (sq. in.)	Weight (lbs./ft)	enTop Breakout	MAX ENTITLEMENT	
HCS 2.0	6 AWG 25' to 225' cable lengths				HCS Pendant (Breakout) Dimension (in.)		
Alliance	6x24 6AWG	1.46	1.67	1.61	16.36 x 9.30 x 5.79 (sq./in 152.15)	Nominal OD (in.)	1.55
CommScope	6x24 6AWG	1.55	1.89	1.71	19.37 x 10.83 x 5.12 (sq./in 235.07)	C.S. Area (sq./in.)	1.89
NWS	6x24 6AWG	1.48	1.72	1.61	15.95 x 10.20 x 3.21 (sq./in 162.69)	Weight (lbs./ft)	1.71
Amphenol	6x24 6AWG	1.46	1.67	1.65	19.37 x 10.83 x 5.12 (sq./in 209.78)	Pendant (sq/in)	235.07
	4 AWG 250' to 450' cable lengths						
Alliance	6x24 4AWG	1.8	2.54	2.48	16.36 x 9.30 x 5.79 (sq./in 152.15)	Nominal OD (in.)	1.8
CommScope	6x24 4AWG	1.76	2.43	2.4	19.37 x 10.83 x 5.12 (sq./in 235.07)	C.S. Area (sq./in.)	2.54
NWS	6x24 4AWG	1.79	2.52	2.65	15.95 x 10.20 x 3.21 (sq./in 162.69)	Weight (lbs./ft)	2.65
Amphenol	6x24 4AWG	1.71	2.3	2.55	19.37 x 10.83 x 5.12 (sq./in 209.78)	Pendant (sq/in)	235.07
6x24					6x24 Canister Breakout - OD x Length (in.)		
Alliance	6x24 4AWG	1.8	2.54	2.48	3.11 x 9.45 (c.s. Area 7.60)	Nominal OD (in.)	2
CommScope	6x24 4AWG	1.76	2.43	2.29	2.68 x 9.81 (c.s. Area 5.64)	C.S. Area (sq./in.)	3.13
H&S	6x24 4AWG	1.62	2.04	2.39	3.82 x 9.26 (c.s. Area 11.46)	Weight (lbs./ft)	2.65
NWS	6x24 4AWG	1.79	2.52	2.65	2.99 x 8.82 (c.s. Area 7.02)	Canister (sq/in)	11.46
RFS	6x24 4AWG	2	3.13	2.55	2.88 x 9.72 (c.s. Area 6.51)		

(6x24) HYBRID TRUNK ENTITLEMENT INFORMATION 3
8.5" x 11" SCALE N.T.S. | 11" x 17" SCALE N.T.S.

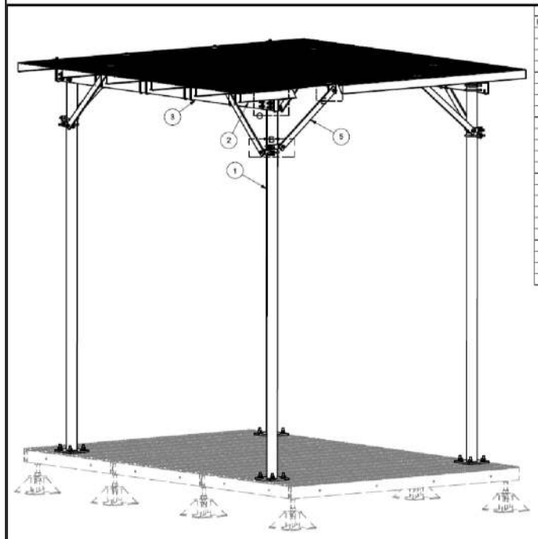
1 HYBRID TRUNK INFORMATION (6X24)
SCALE: N.T.S.

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

SUPPLEMENTAL

SHEET NUMBER: R-608

REVISION: 0



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	4	X-MPOST	SUPPORT POST FOR EQUIPMENT PLATFORM ICE BRIDGE KITS		92.09	371.97
2	5	GR624	24" X 10' GRIP SPAN BRIDGE CHANNEL		87.48	437.41
3	2	X-COV10	10' ANGLE 4" X 4" x 1/4"	120 in	66.32	132.64
4	4	X-MPBP	BACKING PLATE FOR X-MPOST	8 in	8.48	33.90
5	8	X-232606	TRPD-HD SUPPORT PLATE - SITE PRO 1	29 1/2 in	8.72	69.77
6	8	SCP	CLAMP HALF, 1/2" x 5-3/4"		1.29	10.34
7	8	BMCM-T	CHAIN MOUNT TIGHTENER BRACKET	3 in	1.84	14.73
8	4	PC312	3-1/2" FENCE POST CAP		0.59	2.34
9	8	X-124312	1/2" X 2" X 2" ANGLE SPACER; WITH 9/16" HOLE	2 in	0.53	4.26
10	16	G58312	5/8" x 3-1/2" HDG HEX BOLT GR5		0.40	6.41
11	32	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	2.25
12	16	G58LW	5/8" HDG LOCKWASHER		0.03	0.42
13	16	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	2.08
14	16	X-UB1358	1/2" X 3-5/8" X 5-1/2" X 3" GALV U-BOLT		0.77	12.36
15	8	G1203	1/2" x 3" HDG HEX BOLT GR5 FULL THREAD	3 in	0.22	1.74
16	8	G1202	1/2" x 2" HDG HEX BOLT GR5	2 in	0.18	1.41
17	32	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	1.00
18	48	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.67
19	56	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.01
20	20	X-JD8	J-BOLT, 3/8" X 6" X 6" THREADED		0.33	6.61
21	20	SQW38	3/8" SQUARE WASHER (GALV.)	2 in	0.27	5.46
22	20	G38LW	3/8" HDG LOCKWASHER		0.01	0.13
23	20	G38NUT	3/8" HDG HEAVY 2H HEX NUT		0.03	0.68
					TOTAL WT.#	1025.15

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.005")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

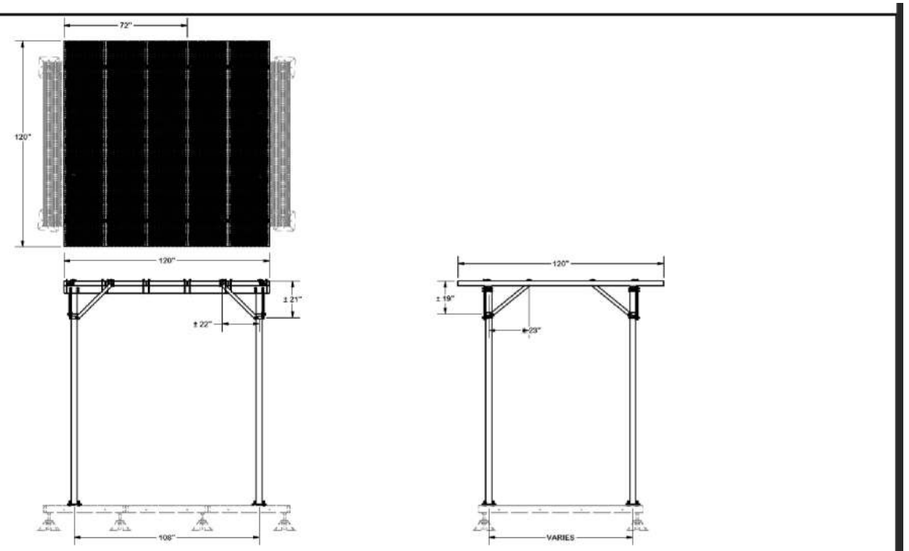
PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES, IS STRICTLY PROHIBITED.

DESCRIPTION: 10' WIDE X 10' LONG COV FOR MODULAR EQUIPMENT PLATFORM

SITE PRO 1 — Engineering Support Team: 1-888-753-7446 — Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX — a valmont COMPANY

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CEK 12/5/2016		MPCOV1010
CLASS 81 SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY BMC 12/9/2016	DWG. NO. MPCOV1010

SHEET 1 OF 3



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.005")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 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.

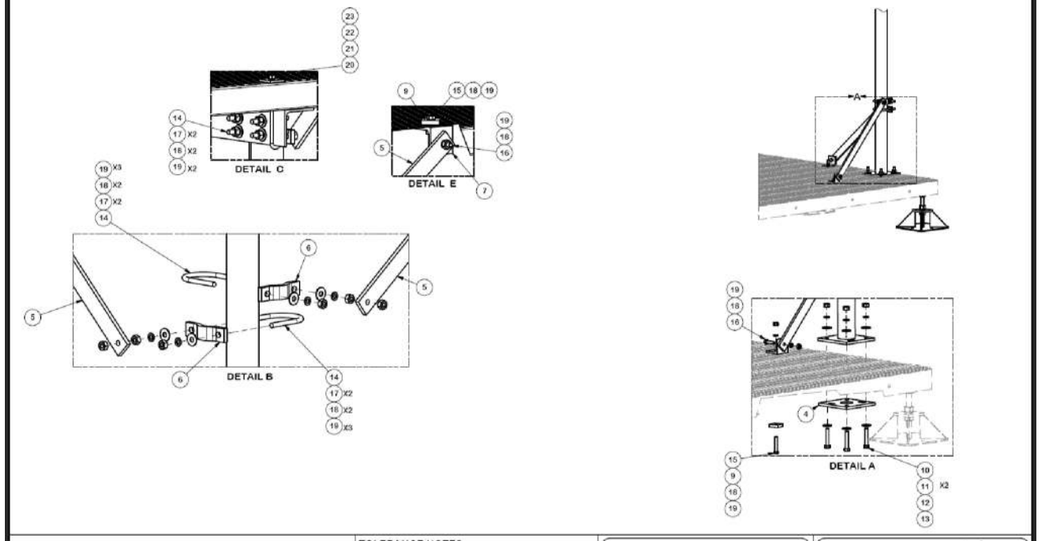
DESCRIPTION: 10' WIDE X 10' LONG COV FOR MODULAR EQUIPMENT PLATFORM

SITE PRO 1 — Engineering Support Team: 1-888-753-7446 — Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX — a valmont COMPANY

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CEK 12/5/2016		MPCOV1010
CLASS 81 SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY BMC 12/9/2016	DWG. NO. MPCOV1010

SHEET 3 OF 3

ALTERNATE BRACING LOCATION



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.005")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 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' WIDE X 10' LONG COV FOR MODULAR EQUIPMENT PLATFORM

SITE PRO 1 — Engineering Support Team: 1-888-753-7446 — Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX — a valmont COMPANY

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CEK 12/5/2016		MPCOV1010
CLASS 81 SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY BMC 12/9/2016	DWG. NO. MPCOV1010

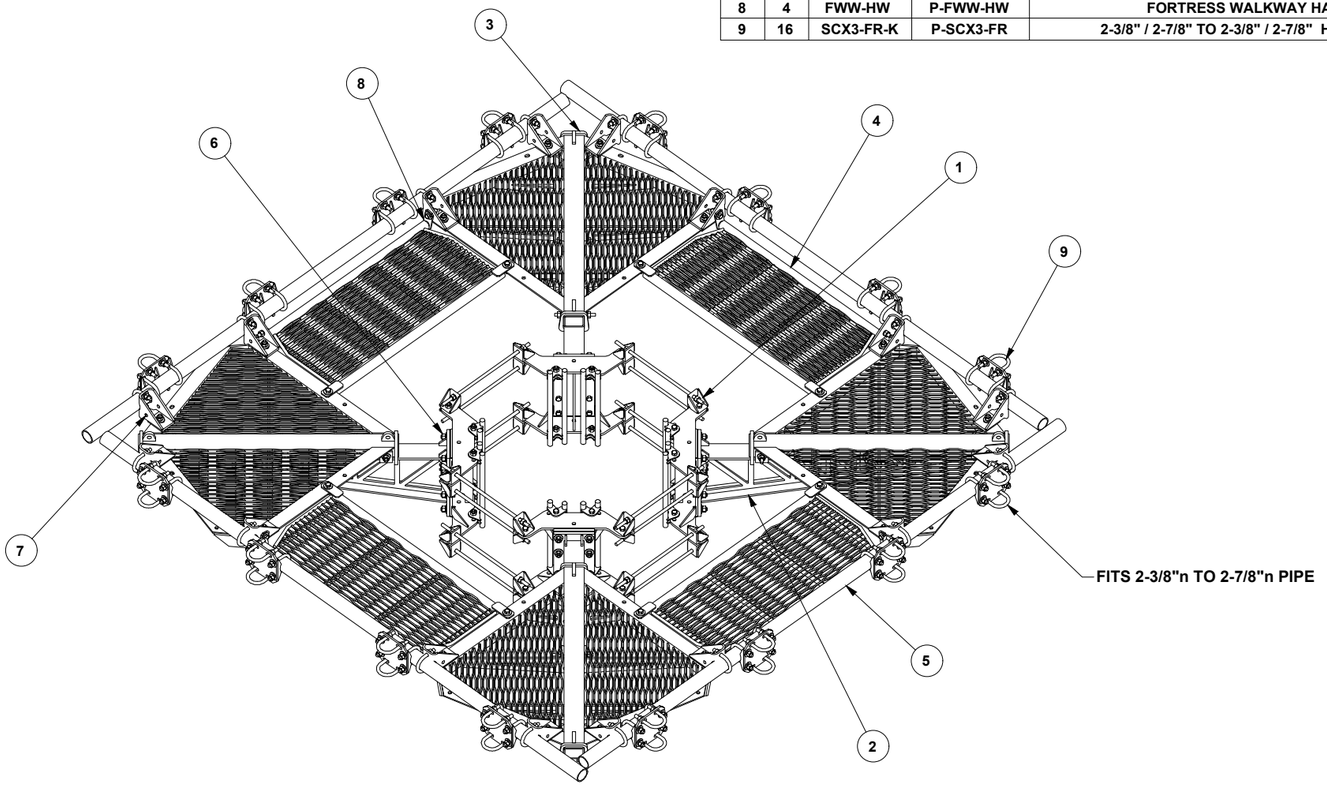
SHEET 2 OF 3

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

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-609	0

PARTS LIST							
ITEM	QTY	PART NO.	BOX NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	FLX4-HD		FLEXIBLE RING MOUNT 4-SIDED HEAVY DUTY ASSEMBLY		504.00	504.00
2	4	X-LPP-SA10		TRUSS ARM WELDMENT FOR 8' AND 10' LOW PROFILE PLATFORMS		99.32	397.29
3	4	X-LPP-CW		LOW PROFILE PLATFORM CORNER WELDMENT		198.75	795.01
4	4	X-LPP-W10		WALKWAY FOR 10' LOW PROFILE PLATFORM		60.60	242.42
5	4	P30132		2-7/8" X 132" (2-1/2" SCH. 40) GALVANIZED PIPE	132 in	67.70	270.82
6	4	LPPSA-HW	P-LPPSA-HW	TRUSS ARM CONNECTION HARDWARE		4.14	16.57
7	4	FCWHW	P-FCWHW	FORTRESS CORNER WELDMENT HARDWARE KIT		42.70	170.80
8	4	FWW-HW	P-FWW-HW	FORTRESS WALKWAY HARDWARE KIT		7.63	30.50
9	16	SCX3-FR-K	P-SCX3-FR	2-3/8" / 2-7/8" TO 2-3/8" / 2-7/8" HD CROSSOVER KIT		17.53	280.53
						TOTAL WT. #	2707.96



FINISH:
HOT DIP GALVANIZED.

TOLERANCE NOTES

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

PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS

DESCRIPTION
10' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH WALKWAY

SITE PRO 1 — A valmont COMPANY

Engineering
Support Team:
sp1engineering@valmont.com

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
SP1	NSP 9/25/2024	1/2/2025	FX4P-10W	1 OF 12
CLASS / SUB	DRAWING USAGE	CHECKED BY	DWG. NO.	
87 / 02	CUSTOMER	JET 1/2/2025	FX4P-10W	

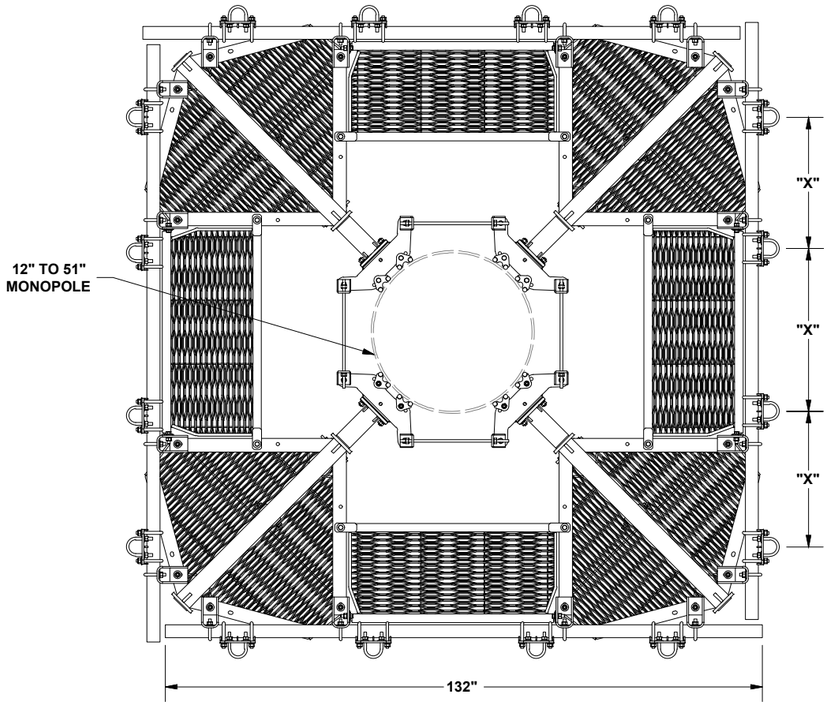
1 MOUNT SPECIFICATIONS

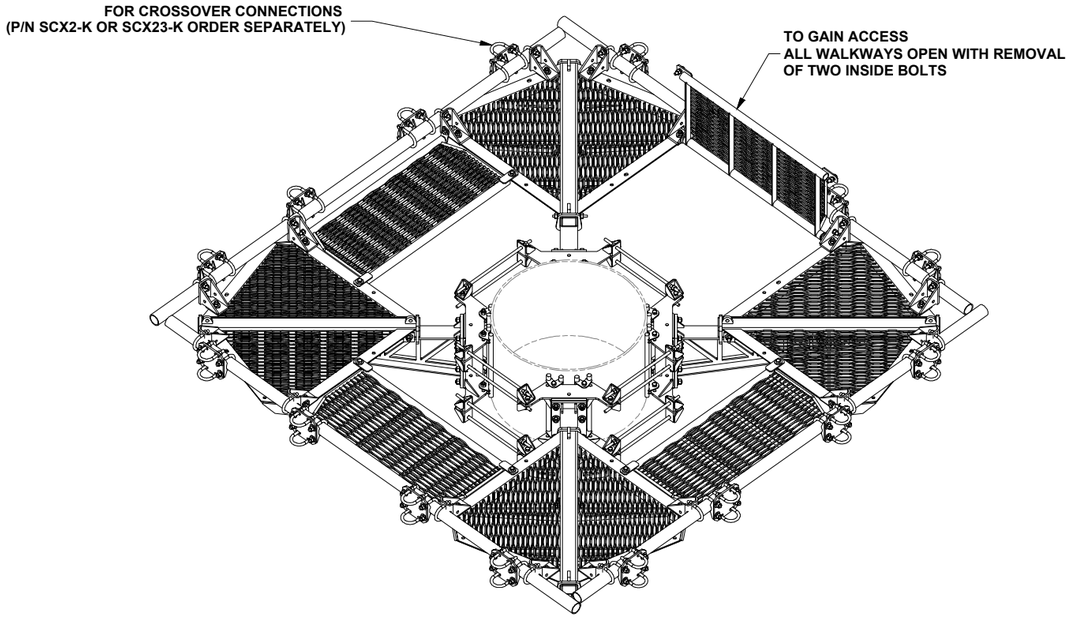
NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

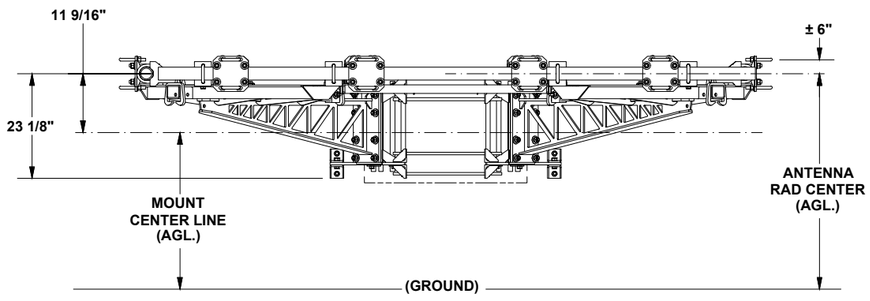
SUPPLEMENTAL

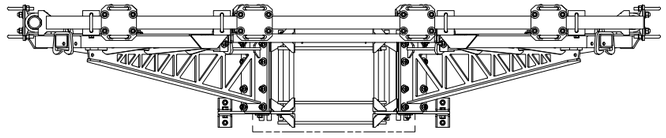
SHEET NUMBER: R-610

REVISION: 0









TOLERANCE NOTES

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

PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS

DESCRIPTION
10' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH WALKWAY

SITE PRO 1 — A valmont COMPANY

Engineering
Support Team:
sp1engineering@valmont.com

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
SP1	NSP 9/25/2024	1/2/2025	FX4P-10W	2 OF 12

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	JET 1/2/2025	FX4P-10W

1 MOUNT SPECIFICATIONS

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

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-611	0

AMERICAN TOWER® CORPORATION

Mount Analysis Report

Mount Type	:	10.5 ft Platform w/ Handrails
ATC Asset Name	:	FT WHITE WEST FL
ATC Asset Number	:	282213
Engineering Number	:	15133535_C8_07
Mount Elevation	:	170 ft
Proposed Carrier	:	T-Mobile
Carrier Site Name	:	9JK2275A
Carrier Site Number	:	9JK2275A
Site Location	:	338 SW Lenox Glen Fort White, FL 32038-0001 29.9536, -82.7531
County	:	Columbia
Date	:	May 8, 2025
Max Usage	:	64%
Analysis Result	:	Contingent Pass

Prepared By:
Zach Stoll
Structural Engineer I

JOSHUA WALTON LICENSE No 79480 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been electronically signed and sealed by Joshua Walton, PE, CWI on the date shown using a digital signature. Printed copies of this are not considered signed and sealed and the signature must be verified on any electronic copies.

Joshua Walton
Digitally signed by Joshua Walton
Date: 2025.05.14 22:56:27 -04'00'

COA: 9053

Introduction

The purpose of this report is to summarize results of the mount analysis performed for T-Mobile at 170 ft.

Supporting Documents

Specifications Sheet:	Site Pro 1 FX4P-10W, dated September 25, 2024
Radio Frequency Data Sheet:	RFDS ID #9JK2275A, dated January 28, 2025
Reference Photos:	Site photos from 2023

Analysis

This mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

Basic Wind Speed:	120 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	No Ice Considered
Codes:	ANSI/TIA-222-I / 2021 IBC / 8th ED (2023) Florida Building Code
Exposure Category:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Sds = 0.1, Sd1 = 0.08
Site Class:	Default
Live Loads:	Lm = 500 lbs

***Live Load(s) reduction is confirmed to either not govern or not be applicable**
*** Based on experience, it has been determined that the Lv load cases will not control over Lm load cases in platform mount analyses. Therefore, these load cases have been excluded from this analysis.**

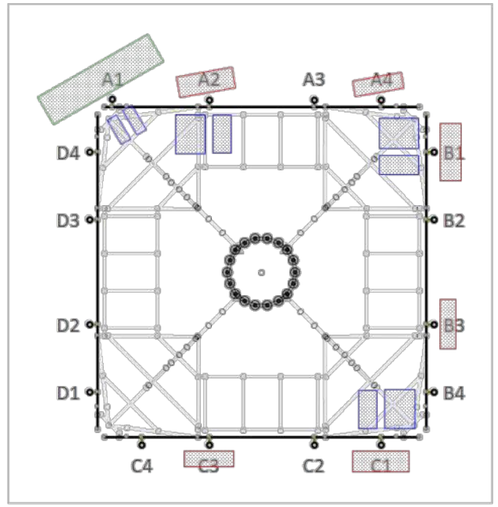
Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed:

- Analysis based on new installation of Site Pro 1 FX4P-10W Platform w/ Handrails(s).
- Install P2 (2.375" x 96") in mount pipe position 1 through 4. Connect with Site Pro 1 SCX7-U (or approved equivalent) crossover plate kits.
- On alpha sector, install P4 (4.5" x 96") in mount pipe position 1. Connect with Site Pro 1 SCX7-U (or approved equivalent) crossover plate kits.
- Install F4P-HRK10 handrail kit 42" above lower face horizontals.
- No structural failures were addressed with the noted contingencies. Contingencies address Carrier's antenna spacing requirements.

If you have any questions or require additional information, please reach out to your American Tower contact. If you do not have an American Tower contact and have an Engineering question, please contact MountAnalysis@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Mount Layout



Equipment Position Table

MP	RAD Center (ft)	Qty.	Antenna Model	Max Width (in)	Left (in)	Right (in)
A1	170.0	1	Andrew Microwaves VHLP4	-	-	-
	170.0	2	Ceragon FibeAir IP-20D-HP			
A2	170.0	1	Commscope FFVV-65C-R2N23	22.8	N/A	46.90
	170.0	1	Ericsson Radio 4460 B25+B66			
	170.0	1	Ericsson Radio 4480 B71+B85			
A3	-	-	Empty	-	-	-
A4	170.0	1	Ericsson AIR 6419 B41	20	46.90	20.48
B1	170.0	1	Commscope FFVV-65C-R2N23	22.8	20.48	47.60

1 MOUNT ANALYSIS

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERYIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

SUPPLEMENTAL

SHEET NUMBER: R-612

REVISION: 0