



## **AMERICAN TOWER®**

ATC SITE NAME: COLUMBIA (CHARLES) FL ATC SITE NUMBER: 417139 T-MOBILE SITE NAME: 9JK2817A (USA) T-MOBILE SITE NUMBER: 9JK2817A SITE ADDRESS: CHARLES TERRACE LAKE CITY,FL 32024 SITE CLASS: SELF SUPPORT



ANTENNA MOUNTS: PROPOSED (3) SECTOR FRAME BY SABRE, PART NUMBER #C10857001C

## T-MOBILE COVERAGE STRATEGY COLLOCATION PLAN 4SEC-67E5D998E 6160 CONFIGURATION

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX							
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE	SITE ADDRESS:		SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:			
FOLLOWING CODES AS ADOPTED BY THE LOCAL	CHARLES TERRACE		G-001	TITLE SHEET	1	01/19/24	MS			
GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO	LAKE CITY,FL 32024		G-002	GENERAL NOTES	1	01/19/24	MS			
THESE CODES.	COUNTY: COLUMBIA	THE PROPOSED PROJECT INCLUDES INSTALLING EQUIPMENT CABINETS ON A PROPOSED CONCRETE PAD	C-101	DETAILED COMPOUND PLAN	1	01/19/24	MS			
1. 2023 FLORIDA BUILDING CODE, 8TH EDITION	GEOGRAPHIC COORDINATES:	INSIDE A 10' X15' GROUND SPACE WITHIN THE EXISTING	C-201	TOWER ELEVATION	1	01/19/24	MS			
<ol> <li>ANSI/TIA-222-H</li> <li>8TH EDITION FLORIDA FIRE PREVENTION CODE (NFPA 70)</li> </ol>	LATITUDE: 30.106319°	COMPOUND, AND INSTALLING NEW EQUIPMENT AND MOUNTS ON THE EXISTING TOWER.	C-401	ANTENNA INFORMATION & SCHEDULE	1	01/19/24	MS			
4. 2020 NATIONAL ELECTRICAL CODE	LONGITUDE: -82.760058°		C-501	CONSTRUCTION DETAILS	1	01/19/24	MS			
5. BASIC WIND SPEED: 118 MPH Vult (3-SECOND GUST) EXPOSURE CATEGORY: C	GROUND ELEVATION: 104' AMSL		C-502	CONSTRUCTION DETAILS	1	01/19/24	MS			
RISK CATEGORY: II	ZONING INFORMATION:		C-503	CONSTRUCTION DETAILS	1	01/19/24	MS			
CITY/COUNTY ORDINANCES	JURISDICTION: COLUMBIA COUNTY, FL		C-504	CONSTRUCTION DETAILS	1	01/19/24	MS			
	APN: 304S1603249000		C-505	FENCE DETAILS	1	01/19/24	MS			
	ZONING CODE: N/A	PROJECT NOTES	E-101	GROUNDING DETAILS & ELECTRICAL SCHEMATIC	1	01/19/24	MS			
	PROJECT TEAM	<ol> <li>THE FACILITY IS UNMANNED.</li> <li>A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.</li> <li>THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.</li> <li>NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.</li> <li>HANDICAP ACCESS IS NOT REQUIRED.</li> </ol>	E-102	PANEL SCHEDULE & ONE-LINE DIAGRAM	1	01/19/24	MS			
			E-501	GROUNDING DETAILS	1	01/19/24	MS			
	TOWER OWNER: APPLICANT:		R-601	SUPPLEMENTAL						
	AMERICAN TOWER T-MOBILE		R-602	SUPPLEMENTAL						
UTILITY COMPANIES POWER COMPANY: N/A PHONE: N/A	10 PRESIDENTIAL WAY 5901 BENJAMIN CENTER WOBURN, MA 01801 DRIVE, SUITE 110 A-B		R-603	SUPPLEMENTAL						
	TAMPA, FL 33634	6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED	R-604	SUPPLEMENTAL						
		REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN	R-605	SUPPLEMENTAL						
TELEPHONE COMPANY: N/A	PROFESSIONAL OF RECORD:	EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF	R-606	SUPPLEMENTAL						
PHONE: N/A	ROBERT J. LARA, AIA 2 S UNIVERSITY DR., UNIT 245	TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).	R-607	SUPPLEMENTAL						
	PLANTATION, FL 33324		R-608	SUPPLEMENTAL						
Gunnelline Off	(954) 577-4668	PROJECT LOCATION DIRECTIONS	R-609	SUPPLEMENTAL						
STITE THE STILL	rlara@morrisonhershfield.com		R-610	SUPPLEMENTAL						
· · · · ·	PROPERTY OWNER:	FROM I-75 TAKE EXIT 427 ONTO US-90.3 MILES TURN LEFT ONTO W	R-611	SUPPLEMENTAL						
Call 811 or visit sunshine811.com two full business days before digging to have buried	CHARLES LUTHER DANIEL	US 90.6 MILES TURN LEFT ONTO SW CTY RD 252B2.2 MILES TURN RIGHT ONTO SW STATE RD 2474.2 MILES TURN RIGHT ONTO	R-612	SUPPLEMENTAL						
facilities located and marked.	1119 SW CYPRESS LAKE DR LAKE CITY.FL 32024	CYPRESS LAKE RD1 MILE TURN RIGHT ONTO SW CHARLES TER.4	R-613	SUPPLEMENTAL						
check positive response codes before you dig!		MILES ACCESS ROAD ON RIGHT	R-614	SUPPLEMENTAL						
			R-615	SUPPLEMENTAL						

AMERICAN TOWER® AMERICAN TOWER® MORRISON HERSHFIELD 2 S UNIVERSITY DR., UNIT 245 PLANTATION, FL 33324 Tel: 954.577.4655 FL C OF A #8508 FL Architect business #AA26002368 www.morrisonhershfield.com DO NOT SCALE DRAWING. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSSUR	
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STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE	
CONSTRUCTION REVIEW OF THIS PROJECT. ALL PREVIOUS ISSUES OF THIS DRAWING ARE	
SUPERSEDED BY THE LATEST REVISION.	
REV. DESCRIPTION BY DATE	
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0 FINALS MS 02/06/23	
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#### GENERAL CONSTRUCTION NOTES:

- 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)
  - AC/TELCO INTERFACE BOX (PPC)
  - ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
  - D. TOWERS, MONOPOLES TOWER LIGHTING
  - GENERATORS & LIQUID PROPANE TANK
  - ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
- ANTENNAS (INSTALLED BY OTHERS)
- TRANSMISSION LINE TRANSMISSION LINE JUMPERS
- TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
- TRANSMISSION LINE GROUND KITS HANGERS
- 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
- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS
- CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- 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.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS 7
- 8 DETAILS SHOWN ARE TYPICAL: SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION 9. SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED 10. FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS 11. DRAINS, DRAIN PIPES, VENTS, ETC, BEFORE COMMENCING WORK
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE T-MOBILE 12. REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE T-MOBILE REP PRIOR TO PROCEEDING.
- EACH CONTRACTOR SHALL COOPERATE WITH THE T-MOBILE REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS. 13.
- CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS 14. PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE T-MOBILE CONSTRUCTION MANAGER
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING 15. INSTALLATION LISING A SILICONE SEALANT
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET. CONTRACTOR SHALL NOTIFY THE T-MOBILE REP AND ENGINEER OF RECORD IMMEDIATELY
- CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE 17. 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
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER 19. CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH T-MOBILE AND AMERICAN TOWER CORPORATION (ATC) 20. /ITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WOR
- 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 3. 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
- CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH T-MOBILE SPECIFICATIONS AND REQUIREMENTS. 23.

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- CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO T-MOBILE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION
- ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO T-MOBILE SPECIFICATIONS, AND AS SHOWN IN THESE PLANS
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. 26. 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.
- 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
- 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.
- 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.
- ALL WORK SHALL BE INSTALLED IN A FIRST CLASS. NEAT AND WORKMANI IKE 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
- 31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
- T-MOBILE FURNISHED FOUIPMENT SHALL BE PICKED-UP AT THE T-MOBILE WAREHOUSE 32. 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
- 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

### SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

- WORK INCLUDED:
- 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 RES "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:
- ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.

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

#### CONCRETE AND REINFORCING STEEL NOTES:

- 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 EMENTS FOR REINFORCED CONCRETE."
- MIX DESIGN SHALL BE APPROVED BY T-MOBILE REP PRIOR TO PLACING CONCRETE
- 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 PS UNLESS OTHERWISE NOTED.

THE FOLLOWING MATERIALS	SHALL BE USE	ED:	
PORTLAND CEMENT:	ASTM	C150, TYPE 2	
REINFORCEMENT:	ASTM	A185, PLAIN STEEL WELDED WIRE FABRIC	;
REINFORCEMENT BARS:	ASTM	A615, GRADE 60, DEFORMED	
NORMAL WEIGHT AGGREG	ATE: ASTM	C33	
WATER:	ASTM	C 94/C 94M	
WELDED WIRE FABRIC:	ASTM	A185	
ADMIXTURES:			
-WATER-REDUCIN	IG AGENT:	ASTM C 494/C 494M, TYPE A	
-AIR-ENTERING A	GENT:	ASTM C 260/C 260M	
-SUPERPLASTICIZ	ZER:	ASTM C494, TYPE F OR TYPE G	
-RETARDING:		ASTM C 494/C 494M, TYPE B	

- MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE NO LESS THAN 3"
- 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
- 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.
- ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN "METHOD 1" OF ACI 301.
- DO NOT WELD OR TACK WELD REINFORCING STEEL.
- ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE 10 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."
- 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 ENSILE CAPACITY (CLASS A) IN ACCORDANCE WITH ACI 318
- DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD 16. 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 DRAV
- 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.
- 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.
- SLAB ON GROUND: COMPACT STRUCTURAL FILL TO 95% DENSITY AND THEN PLACE 6" 22 GRAVEL BENEATH SLAB

#### ELECTRICAL NOTES:

ELECTRICAL DESIGN SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR STRUCTURAL DESIGN SHALL BE PERFORMED BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL WORK COMPLIES WITH ALL APPLICABLE LOCAL

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.** 

- AND STATE CODES AND NATIONAL ELECTRICAL CODE.
- ALL SUGGESTED ELECTRICAL ELEMENTS (SUCH AS BREAKER SIZES, WIRE SIZES,

2.

3

THE COURSE OF CONSTRUCTION

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 VERIEV THE CAPACITY OF THE EXISTING SERVICE. THIS IS NOT THE RESPONSIBILITY OF CONCORDIA IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

CONTRACTOR SHALL FIELD LOCATE ALL BELOW GRADE GROUND LINES AND UTILITY LINES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ALL UTILITIES AND GROUND LINES THAT MAY BECOME DISTURBED OR CONFLICTING IN

AMERICAN TOWER MORRISON HERSHFIELD 2 S UNIVERSITY DR., UNIT 245 PLANTATION, FL 33324 Tel: 954.577.4655 FL C OF A #8508 FL Architect business #AA26002368 www.morrisonhershfield.com DO NOT SCALE DRAWING. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN WHICH IS RELATED TO NAMED CLIENT IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. REV DESCRIPTION BY DATE PRELIM NY 01/10/23 FINALS MS\_02/06/23 FINALS MS\_01/19/24 ATC SITE NUMBER 417139 ATC SITE NAME: COLUMBIA (CHARLES) FL T-MOBILE SITE NAME 9JK2817A (USA) SITE ADDRESS: CHARLES TERRACE LAKE CITY.FL 32024 SEAL EOF FLOR  $\mathcal{O}$ ycn ROBERT J. LAR 肥 AR 92824 Digitality and the second seco **T** Mobile MH PROJ NO: 220329500 ATC PROJ. #: 14192636 9JK2817A (USA) CUST ID. CUST. #: 9JK2817A GENERAL NOTES SHEET NUMBER: REVISION G-002

#### COMPOUND PLAN NOTES:

- 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.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR 3. 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
S ATS B CSC D E F GEN G HH, V IB K LC	LEGEND GROUNDING TEST WELL AUTOMATIC TRANSFER SWITC BOLLARD CELL SITE CABINET DISCONNECT ELECTRICAL FIBER GENERATOR GENERATOR GENERATOR RECEPTACLE HAND HOLE, VAULT ICE BRIDGE KENTROX BOX LIGHTING CONTROL
М	METER
LC	LIGHTING CONTROL
Μ	METER
PB	PULL BOX
PP	POWER POLE
Т	TELCO
TRN	TRANSFORMER
	CHAINLINK FENCE

#### EXISTING UTILITY POLE -10'-0" W/ TRANSFORMER PROPOSED CHAIN-LINK FENCE PROPOSED FENCE TO MATCH EXISTING EXISTING CHAIN-LINK FENCE EXISTING TOWER W/ BARBED WIRE (TYP.) PROPOSED T-MOBILE ICE-BRIDGE EXISTING 12'-0" WIDE PROPOSED T-MOBILE ACCESS GATE (4) 1.99" HYBRID CABLES **PROPOSED T-MOBILE** B160 BATTERY CABINE 3'-0 CONCRETE PAD/LEASE AREA GRAVEL FUTURE T-MOBILE EXISTING TELCO BOX SURFACE AUTOMATIC TRANSFER SWITCH PROPOSED T-MOBILE 200A UTILITY PROPOSED T-MOBILE 2 UTILITY H-FRAME C-502 METER & DISCONNECT ON UTILITY H-FRAME H-FRAME FEED FROM EXISTING UTILITY POLE WITH TRANSFORMER PROPOSED T-MOBILE PPC EXISTING METER PROPOSED T-MOBILE 10'x10 PROPOSED T-MOBILE EXISTING UTILITY CANOPY ABOVE (BY OTHERS GPS ANTENNA H-FRAME (TYP.) PROPOSED T-MOBILE C-503 ENCLOSURE 6160 CABINET EXISTING GPS ANTENNA (TYP.) -FUTURE T-MOBILE GENERATOR EXISTING ICE-BRIDGE -OSED 42 EXISTING 200 GA DIESEL $\otimes$ GENERATOR ON CONCRETE PAD EXISTING EQUIPMENT PROPOSED UNDERGROUND SHELTER POWER AND TELCO CONDUITS ROUTED IN JOINT TRENCH ±120'-0" -UE EXISTING GROUNDING 10'-2" EXISTING HVAC UNIT -TEST WELL (TYP.) PROPOSED FENCE (TYP.) EXISTING PORTION OF FENCE (TO BE REMOVED) DETAILED COMPOUND PLAN GRAPHIC SCALE (N)

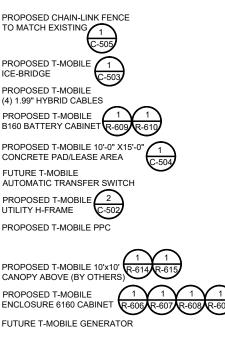
( IN FEET

1 UNIT = 10 FEET

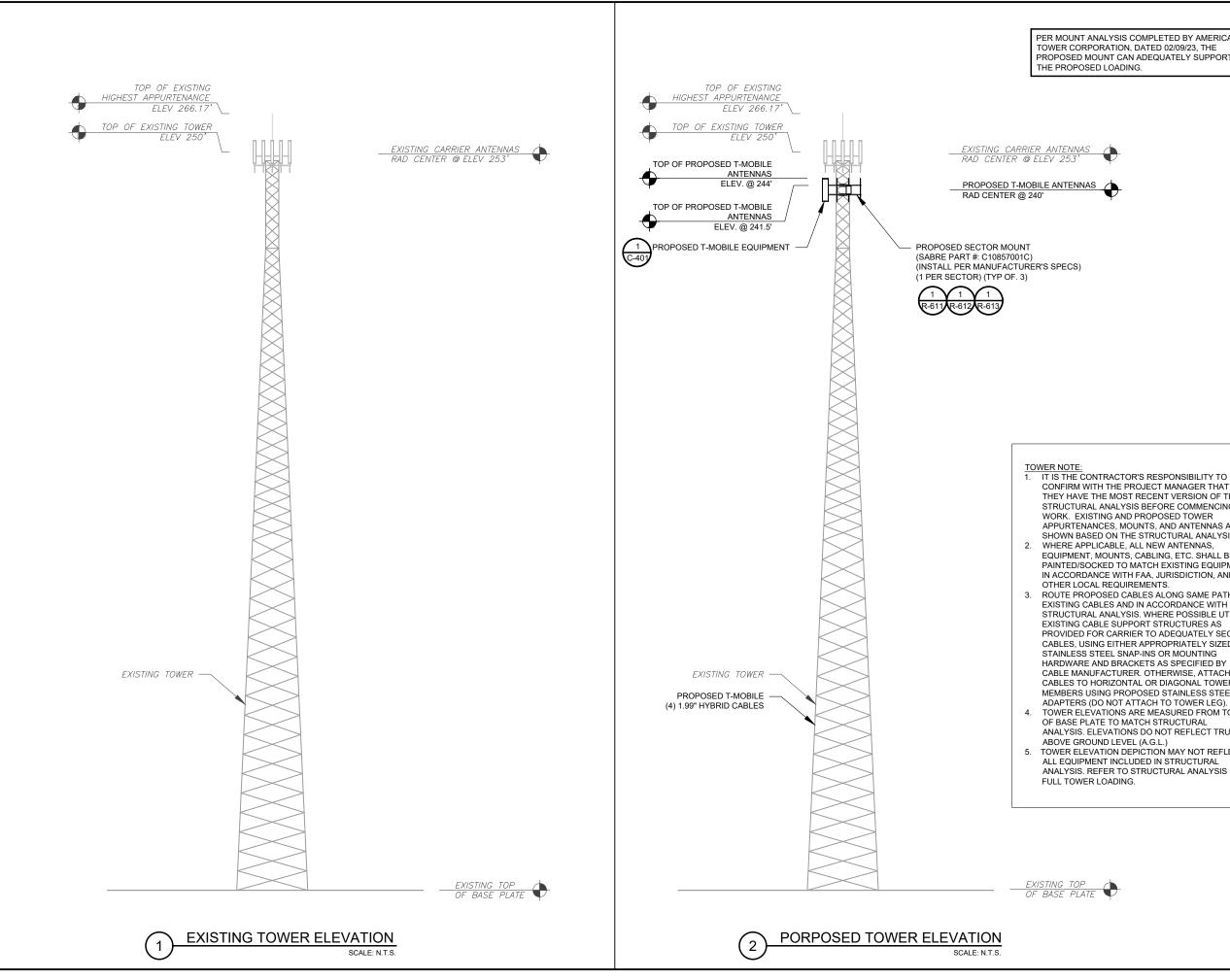
#### PROPOSED CABLE NOTES:

- ESTIMATED LENGTH OF PROPOSED CABLE IS <u>±298'</u>. 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.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).





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AMERICAN TOW	ER®
MORRISON HERSH 2 S UNIVERSITY DR., UNIT 2	
PLANTATION, FL 33324 Tel: 954.577.4655	
FL C OF A #8508 FL Architect business #AA26002	
www.morrisonhershfield.com DO NOT SCALE DRAWING. CONTRAC	TOR MUST
VERIFY ALL DIMENSIONS AND ADVISE C OF ANY ERRORS OR OMISSIONS. THE II CONTAINED IN THIS SET OF DOCUM	NFORMATION
PROPRIETARY BY NATURE. ANY USE OR OTHER THAN WHICH IS RELATED TO NAI	DISCLOSURE
STRICTLY PROHIBITED. NEITHER THE NOR THE ENGINEER WILL BE PROVIDI	NG ON-SITE
CONSTRUCTION REVIEW OF THIS PRO PREVIOUS ISSUES OF THIS DRAW	ING ARE
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ATC SITE NAME:	
COLUMBIA (CHARLES	S) FL
T-MOBILE SITE NAME:	
9JK2817A (USA)	)
SITE ADDRESS:	
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PLAN	
SHEET NUMBER:	REVISION
SHEET NUMBER:	REVISION:



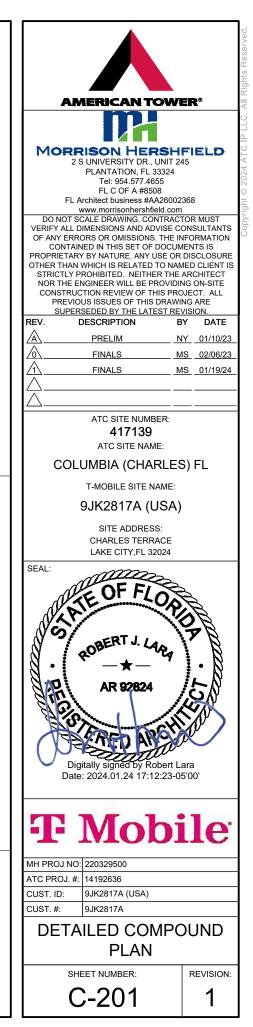
PER MOUNT ANALYSIS COMPLETED BY AMERICAN TOWER CORPORATION, DATED 02/09/23, THE PROPOSED MOUNT CAN ADEQUATELY SUPPORT

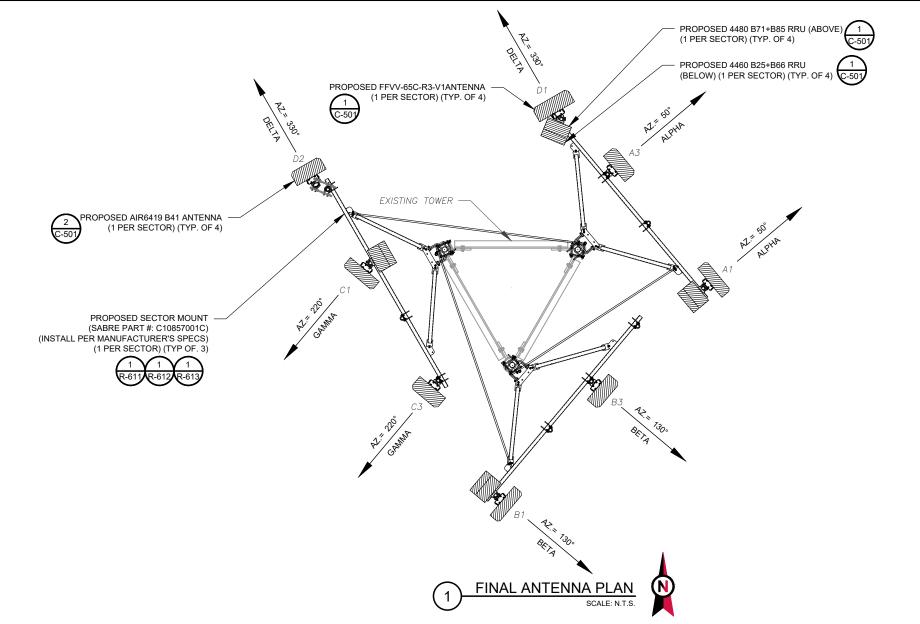
CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS. 2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC, SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR

ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG). TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL

ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR





SECTOR	RAD	AZ	POS.	ANTENNA	BAND	MECH/ELEC D-TILT	ADDITIONAL TOWER MOUNTED EQUIPMENT	CABLE DESCRIPTION
ALPHA 240' 50°				FFVV-65C-R3-V1	L700/L600/N600/L2100/L1900/N1900	0°/-	(1) 4480 B71+B85 RRU (1) 4460 B25+B66 RRU	
		A3	AIR 6419 B41	N2500	0°/-	-	-	
BETA 240'	130°	B1	FFVV-65C-R3-V1	L700/L600/N600/L2100/L1900/N1900	0°/-	(1) 4480 B71+B85 RRU (1) 4460 B25+B66 RRU		
			B3	AIR 6419 B41	N2500	0°/-	-	(4) 1.99" HYBRID CABLES
GAMMA 240' DELTA 240'	240'	220°	C1	FFVV-65C-R3-V1	L700/L600/N600/L2100/L1900/N1900	0°/-	(1) 4480 B71+B85 RRU (1) 4460 B25+B66 RRU	- (4) 1.99 HYBRID CABLES
			C3	AIR 6419 B41	N2500	0°/-	-	-
	240'	330°	D1	FFVV-65C-R3-V1	L700/L600/N600/L2100/L1900/N1900	0°/-	(1) 4480 B71+B85 RRU (1) 4460 B25+B66 RRU	
			D2	AIR 6419 B41	N2500	0°/-	-	-

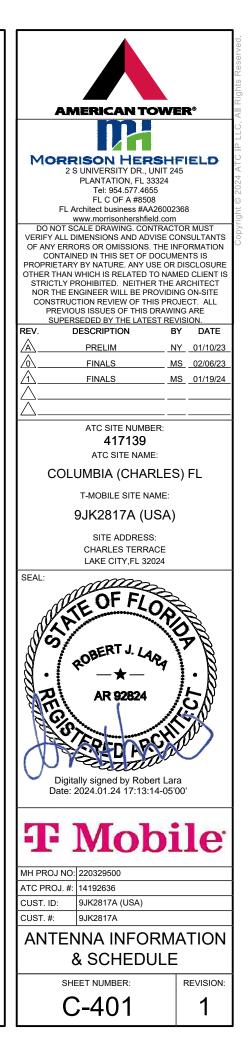
3. SPACING OF PROPOSED EQUIPMENT SHALL BE CONFIRMED FOR TOWER CONFLICTS AND PROPOSED MOUNTS SHALL NOT IMPEDE TOWER CLIMBING PEGS.

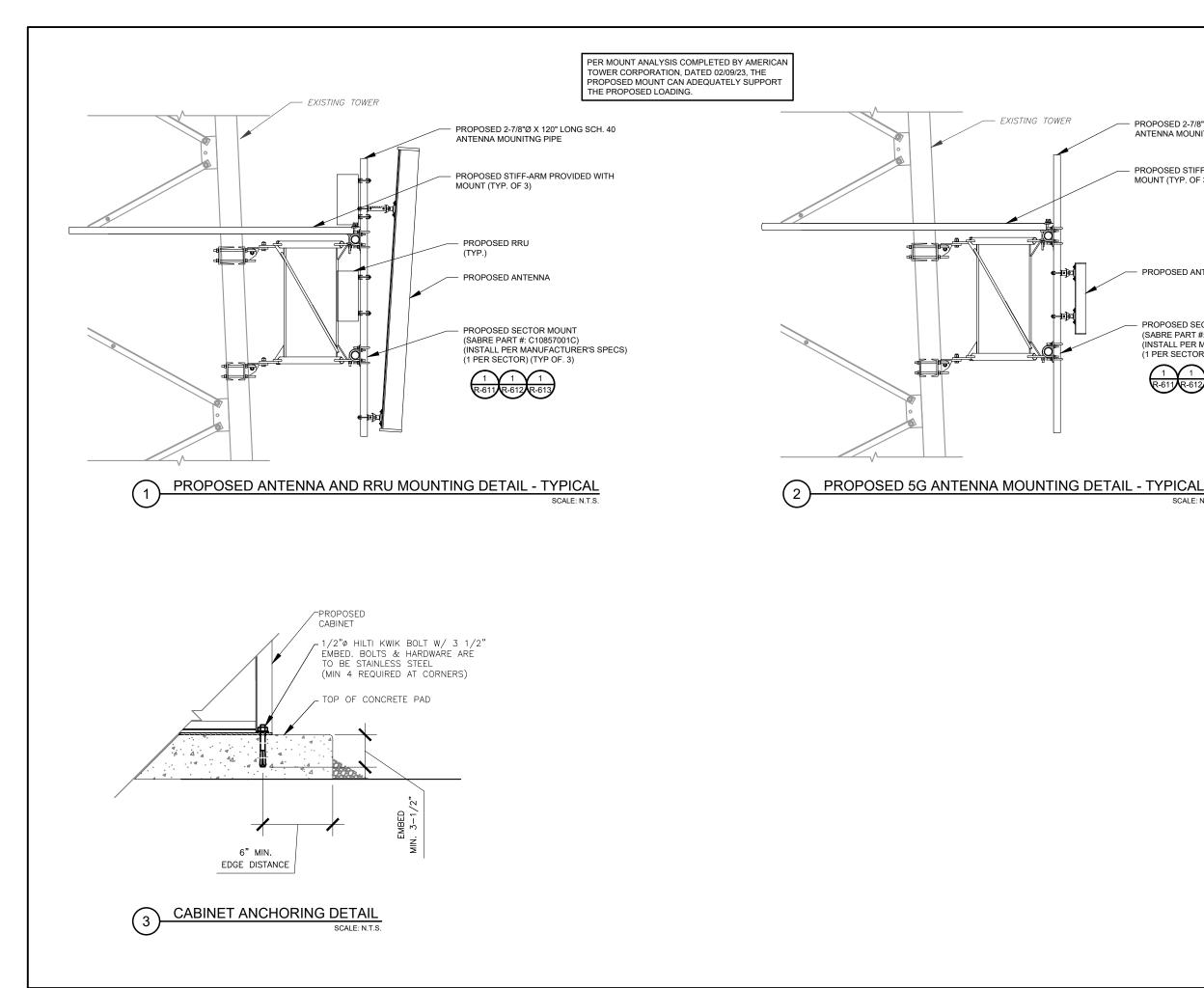
2

ANTENNA SCHEDULE

4. INSTALL [TOWER JUNCTION BOX MODEL AND QUANTITY].

PER MOUNT ANALYSIS COMPLETED BY AMERICAN TOWER CORPORATION, DATED 02/09/23, THE PROPOSED MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.





PROPOSED 2-7/8"Ø X 120" LONG SCH. 40 ANTENNA MOUNITNG PIPE

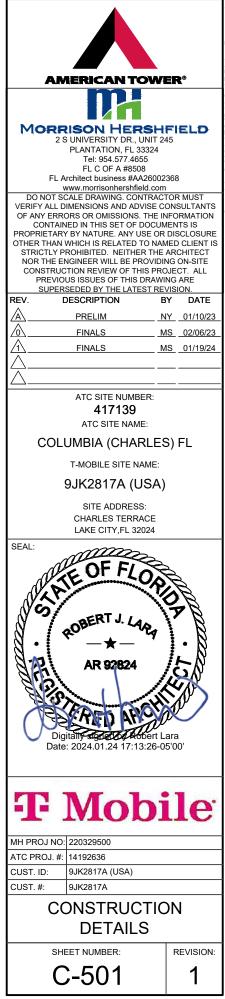
PROPOSED STIFF-ARM PROVIDED WITH MOUNT (TYP. OF 3)

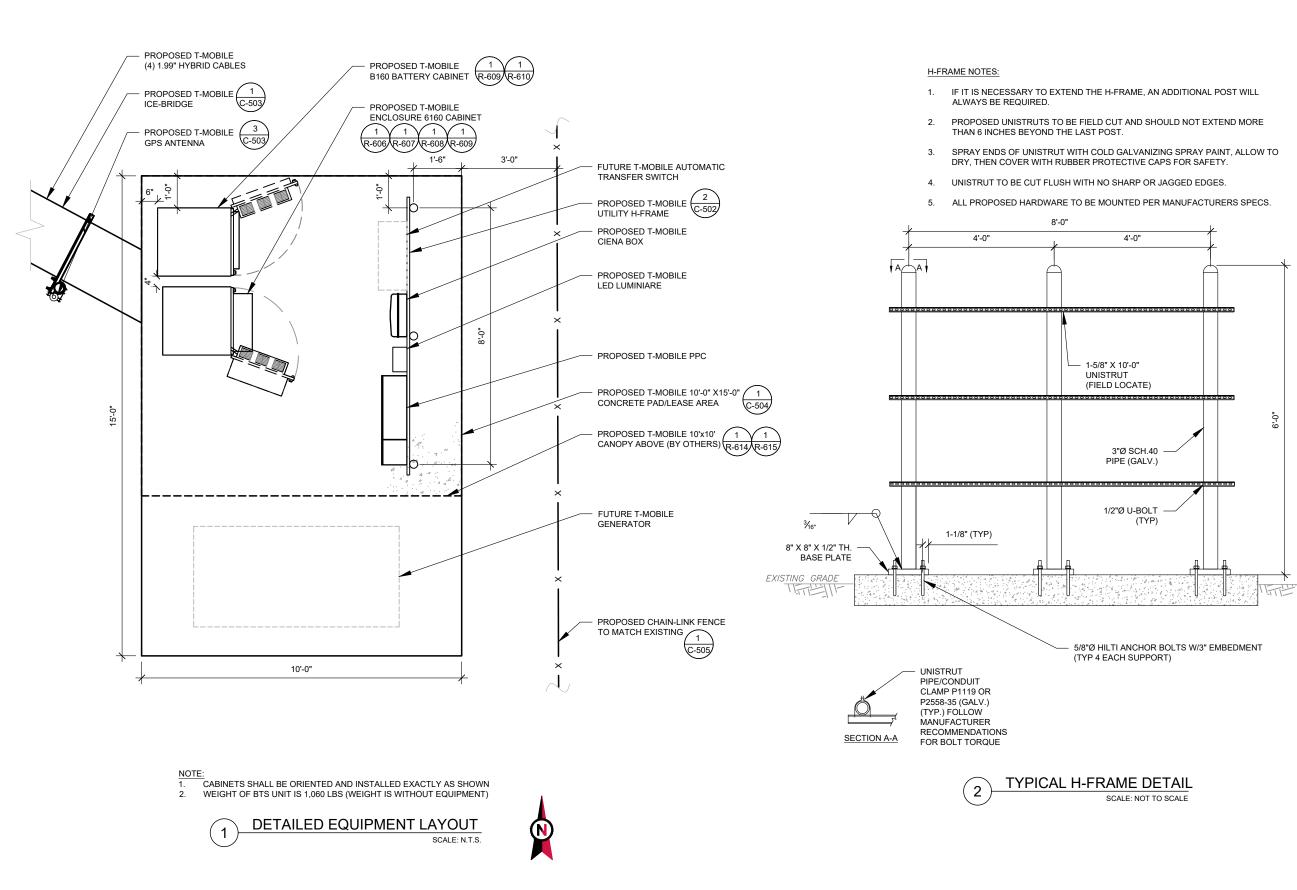
PROPOSED ANTENNA

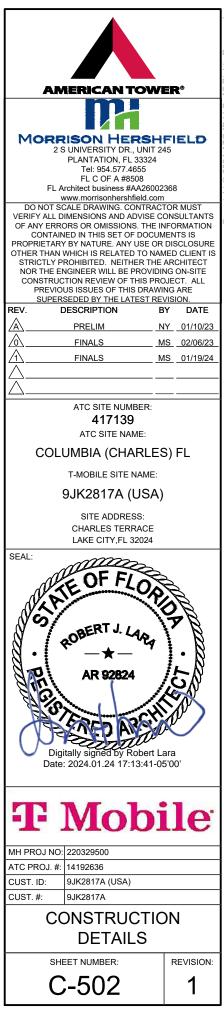
PROPOSED SECTOR MOUNT (SABRE PART #: C10857001C) (INSTALL PER MANUFACTURER'S SPECS) (1 PER SECTOR) (TYP OF. 3)

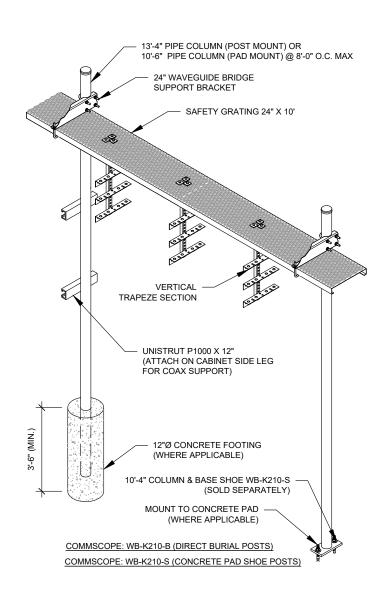






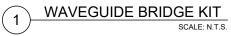


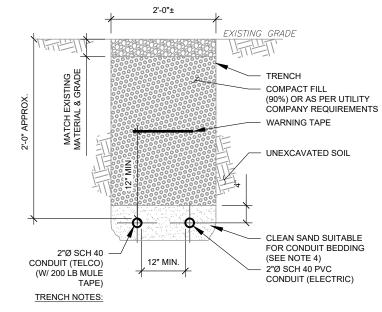




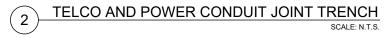
#### CONSTRUCTION NOTE:

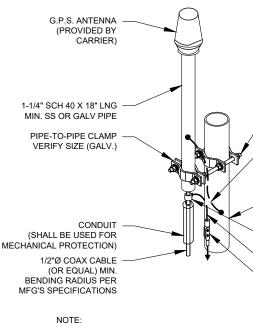
- INSTALL ICE BRIDGE TO ALLOW 7 FEET CLEARANCE ABOVE GRADE TO LOWEST 1. APPURTENANCE.
- 2. INSTALL PER MANUFACTURES SPECIFICATION.





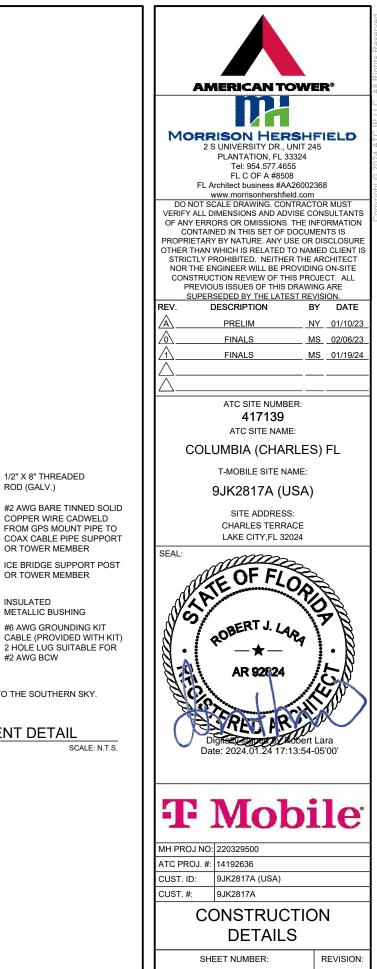
- IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED 1. MATERIAL MAY BE USED FOR BACKFILL.
- 2. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
- IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL 3. HAND DIG U/G TRENCHING
- CONCRETE ENCASE CONDUIT WHEN TRENCHING UNDER SITE ACCESS ROAD. 4.





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





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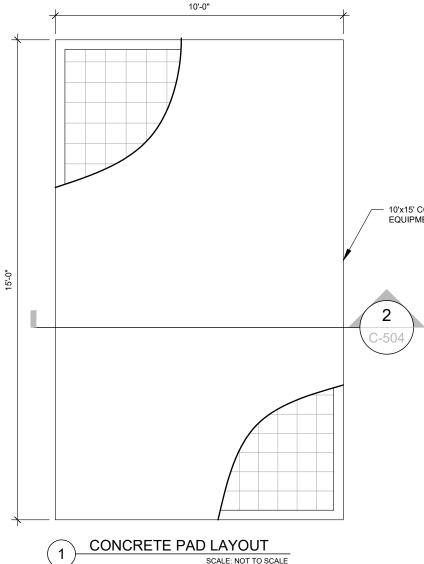
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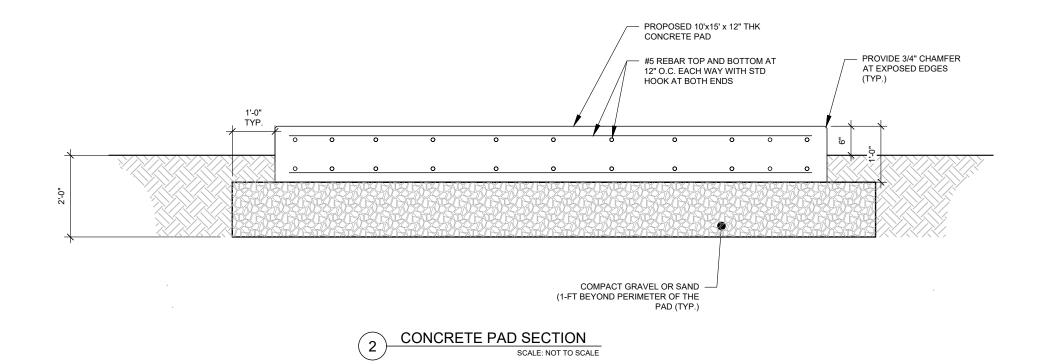
#### CONTRACTOR NOTES:

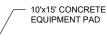
- ALL CONCRETE FOR SLAB FOUNDATION SHALL BE 3000 P.S.I. (MIN.) 1.
- IF BUILDER SET DATE WILL BE WITHIN 24 HRS OF SLAB POUR THEN SITE CONTRACTOR SHALL USE 5000 P.S.I. 2. CONCRETE (MIN.) TO OBTAIN MIN. 1800 P.S.I. CONCRETE WITHIN THE ALLOTED 48 HOURS. (NO EXCEPTIONS)
- ELECTRICAL CONTRACTOR SHALL COORDINATE STUB-UP LOCATIONS WITH PROPOSED EQUIPMENT. (FIELD 3. VERIFY AT STAGING YARD.)
- CONTRACTOR SHALL ANCHOR EQUIPMENT PER MANUFACTURES RECOMMENDATIONS.
- ALL FOUNDATIONS SHALL BE POURED WITHIN A  $\frac{1}{4}$ " OF LEVEL IN ALL DIRECTIONS AND SMOOTH FINISHED. 5.

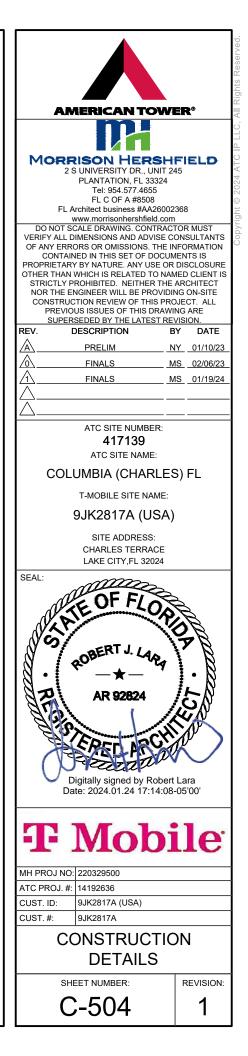
#### FOUNDATION NOTES:

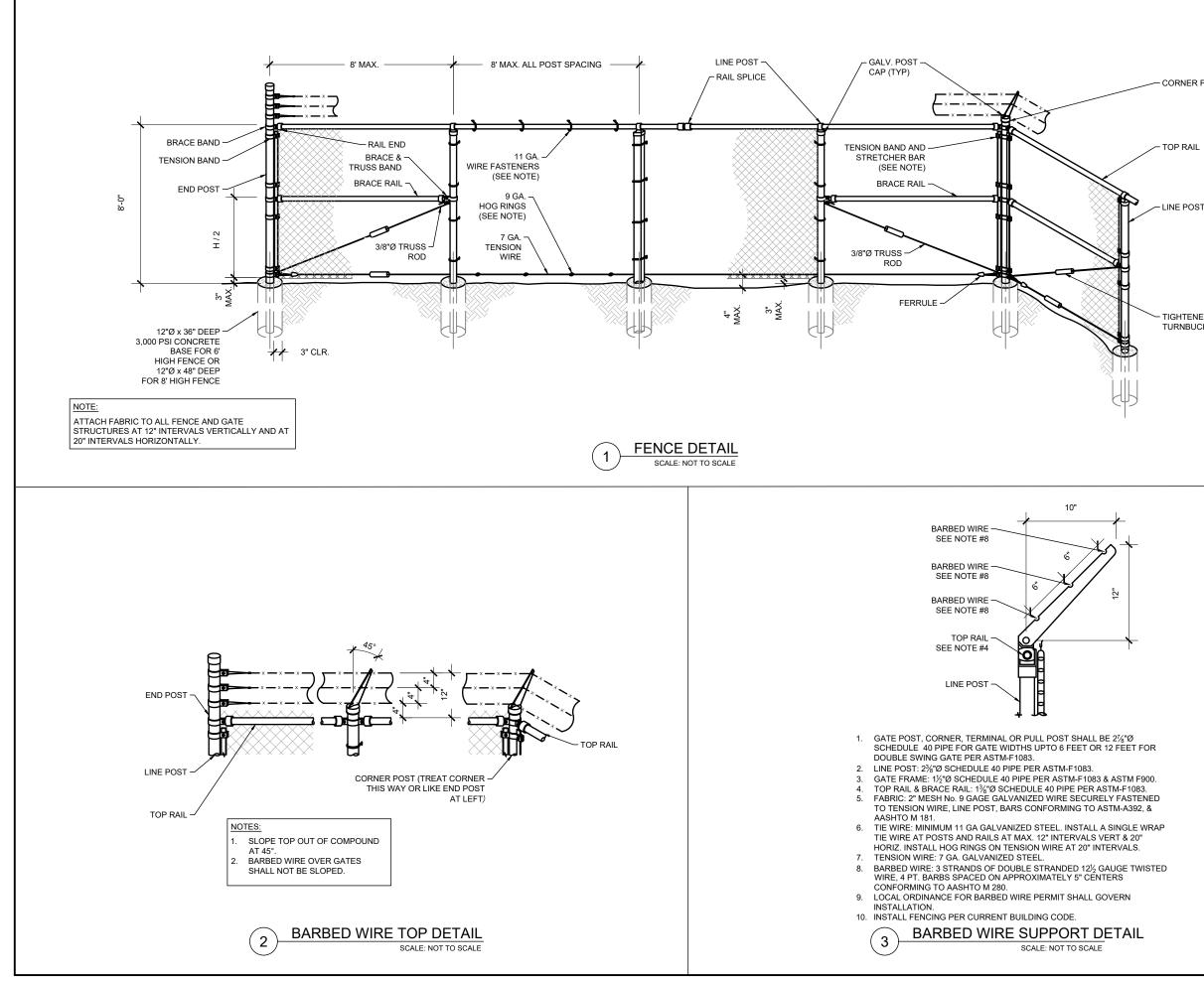
- COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 3000-PSI AT 28-DAY CURE, AND SHALL MEET 1. SPECIFICATION FOR READY-MIXED CONCRETE (ASTM C94). CONCRETE SHALL BE PLACED AND CURED AS PER ACI-318 " BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- CONCRETE SLUMP SHALL RANGE BETWEEN 4 INCHES TO 8 INCHES. 2.
- ALL CONCRETE WORK SHALL CONFORM TO ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED 3. CONCRETE
- 4. THE SURFACE. OVER WHICH THE CONCRETE WILL BE POURED, SHALL BE CLEAN OF LOOSE MATERIAL AND LEVELED PRIOR TO CONCRETE PLACEMENT
- CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS 5. AND OTHER OCCURRENCES THAT MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- 6. MECHANICALLY VIBRATE CONCRETE, PARTICULARLY WHEN POURED IN DIFFERENT LIFTS, TO ENSURE CONSOLIDATION AND TO AVOID JOINTS
- ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL, ASTM A-615, GRADE 60. 7. REINFORCING SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH ACI 315-LATEST EDITION -"MANUAL OF STANDARD FOR DETAILING REINFORCED CONCRETE".
- ALL LOAD BEARING FOOTING SHALL BEAR ON TOP OF COMPACTED SOIL. 8.
- WELDING OF REINFORCING BARS AND DOWEL BARS IS PROHIBITED UNLESS OTHERWISE APPROVED BY 9. ENGINEER
- PRIOR TO THE EXCAVATION, CHECK AREA FOR LOCATION OF UNDERGROUND PIPES, CABLES, ETC. 10.



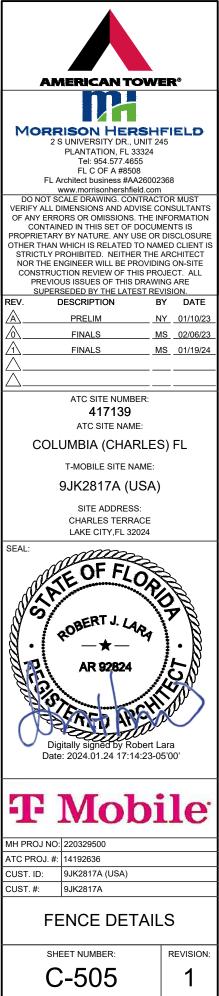








- CORNER POST TIGHTENER OR TURNBUCKLE



#### GROUNDING NOTES:

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.

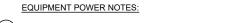
GROUNDING CONDUCTORS SHALL:

- 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
- NOT HAVE ANY U-SHAPED RUNS. D.
- BE IN NON-METALLIC CONDUIT ONLY, IF IN CONDUIT. BE PLACED THROUGH NON-METALLIC SLEEVES IN FLOORS, F. WALLS, CEILINGS, ETC.
- G. PROTECTED IN NON-METALLIC CONDUIT WHERE EXPOSED ABOVE GRADE
- 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.
- 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 B١
  - EXOTHERMIC WELDING. E. BONDED TO A SINGLE POINT GROUND (SPG) WITH A SINGLE WIRE AS

INDICATED ON DRAWINGS.



- A. MINIMUM 5/8" DIAMETER.
- B. MINIMUM 10' LONG.
- COPPER-CLAD GALVANIZED STEEL OR STAINLESS STEEL C.
- D. PLACED IN UNDISTURBED SOIL AND BELOW THE FROST LINE INSTALLED WITH MINIMUM SEPARATION DISTANCE OF TWICE
- 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
- 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 ) 2" CONDUIT W/ 3-#3/0 CU, (1) #6 AWG G, PPC POWER

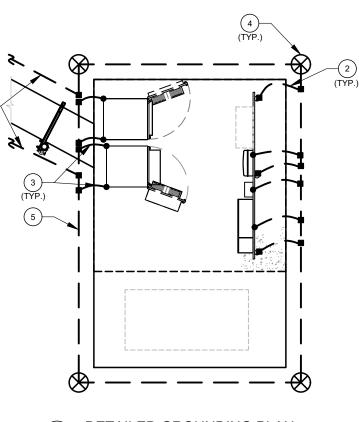
2 2" CONDUIT W/ MULE TAPE FOR TELCO FEEDER SERVICE TO TELCO SOURCE PER UTILITY

(3) 2-#12, 1 #12G IN 1" CONDUIT FROM PPC TO 6160

(4) 2-#3/0, 1-#6 IN 2" CONDUIT

(5) 2" CONDUIT, FOR FIBER FROM AAV TO 6160

(6) 2" CONDUIT W/ 3-#3/0 CU UTILITY SUPPLY

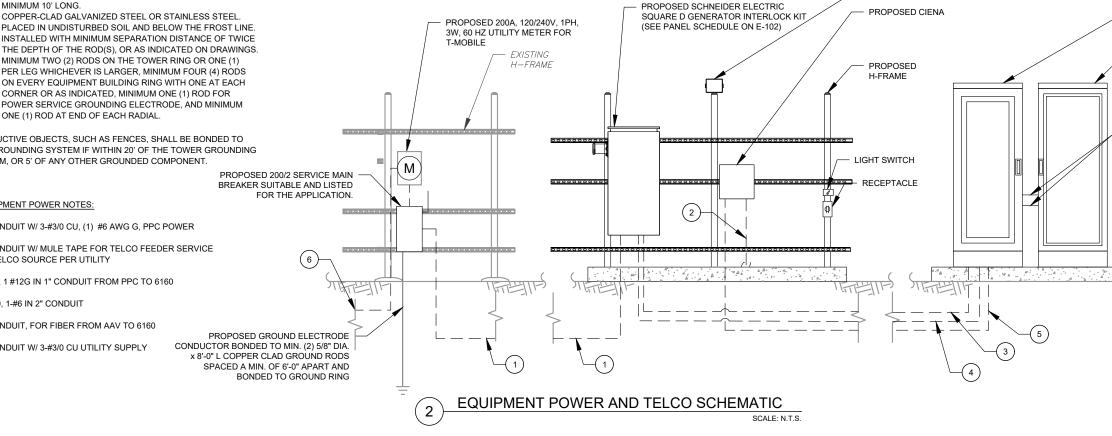


GR	OUNDING PLAN LEGEND:	
		N.
	EXOTHERMIC WELD	
	MECHANICAL WELD	
	GROUNDIN	G
(1)	BOND TO TOWER GROUND F	ł
2	#2 AWG BOND FROM VERTIC EXTERNAL GROUND RING (T	
$\bigcirc$		_

- (4) 5/8Ø" X 10 FT GROUND ROD.
- 5) #2 AWG SBTC GROUND RING

PROPOSED LED LUMINARE





5/8"Ø X 10' COPPER  $\otimes$ GROUND ROD

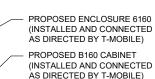


KEYED NOTES:

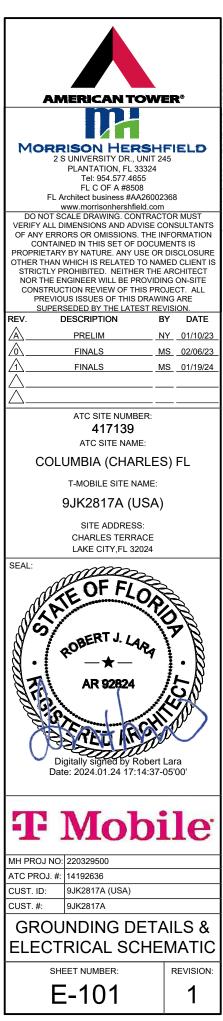
ING W/ (2) #2 AWG SBTC CONDUCTORS

AL H-FRAME AND ICE BRIDGE POST TO P. EVERY POST).

(3) #2 AWG SBTC EQUIPMENT BOND TO GROUND RING (TYP.)

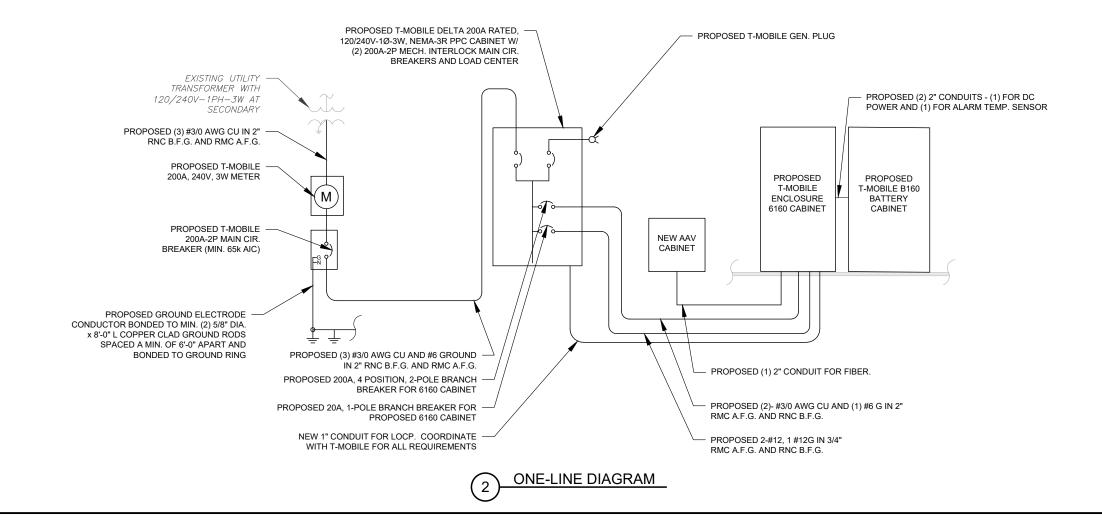


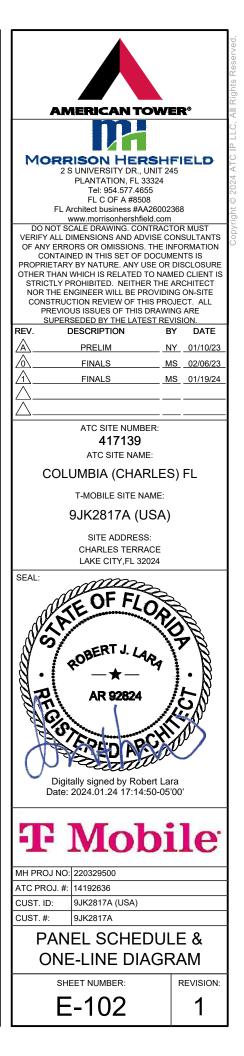
(2) 2" CONDUITS (1) FOR DC PÓWER AND (1) FÓR ALARM AND TEMP. SENSOR

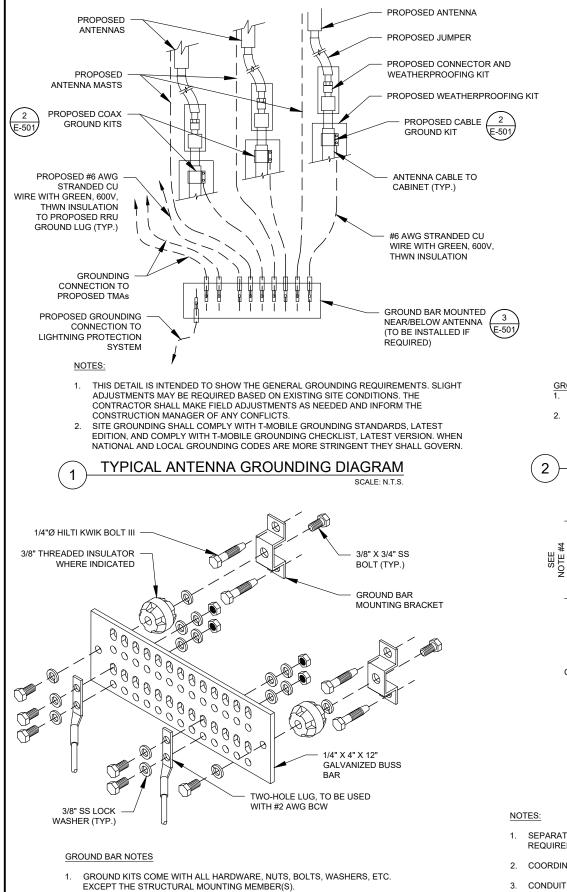


BUS kVA				0115				BUS		AMPS	COND	GND		1045	BUS	
А	В	LOAD	WIRE	GND	COND	AMPS		A B		AMPS	COND	GND	WIRE	LOAD	А	
0.00		PROPOSED SURGE SUPPRESSOR	#6	#10	1"	60	1 —	•	- 2	20	3/4"	#12	#12	PROPOSED GFI RECEPTACLE	0.18	
	0.00						3 —	+-+	- 4	200	2"	#6	2-#3/0	NEW 6160 SSC **		7.
0.40		PROPOSED SERVICE LIGHT	#12	#12	3/4"	20	5 —	┥─┤	- 6						7.00	
	0.18	PROPOSED NEW GFI RECEPT. INTO 6160 **	#12	#12	3/4"	20	7 —	+	- 8							7.
-		SPACE	-	-	-	-	9 —	┥┤	— 10						7.00	
	-	SPACE	-	-	-	-	11—	+	⊢ 12	-	-	-	-	SPACE		-
-		SPACE	-	-	-	-	13—	• -	- 14	-	-	-	-	SPACE	-	
	-	SPACE	-	-	-	-	15—	+	⊢ 16	-	-	-	-	SPACE		-
-		SPACE	-	-	-	-	17—	┥─┤	— 18	-	-	-	-	SPACE	-	
	-	SPACE	-	-	-	-	19—	+-+	- 20	-	-	-	-	SPACE		-
-		SPACE	-	-	-	-	21—	┥─┤	- 22	-	-	-	-	SPACE	-	
	-	SPACE	-	-	-	-	23—	+-+	⊢ 24	-	-	-	-	SPACE		-
0.40	0.18								A	В	Т	OTAL			14.18	14
		ONFIRM ALL REQUIREMENTS WITH MANUF						1.	4.6	14.2		28.8	CONNEC	CTED LOAD (kVA)		

1) PANEL SCHEDULE

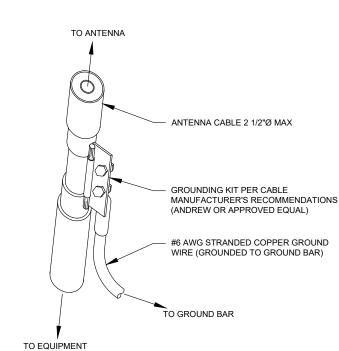






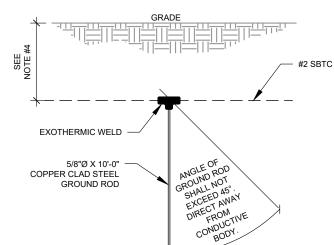
2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

> MAIN GROUND BAR DETAIL 4 SCALE: N.T.S



- <u>GROUND KIT NOTES:</u> 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

CABLE GROUND KIT CONNECTION DETAIL SCALE: N.T.S.



EXOTHERMIC WELD (THERMOWELD OR EQUIVALENT) PÀRALLEL, NO T-WELDS ALLOWED (NO SLAG OR DEFORMITIES ALLOWED)

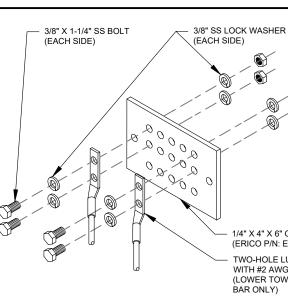
3

EXTERIOR GROUND RING #2 SBTC GROUNDING CONDUCTOR

- SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS
- 2. COORDINATE UTILITY, LOCATE BEFORE DIGGING.

5

- CONDUIT TRENCHING DEPTHS AT 36" OR 6" BELOW FROST LINE, 3. WHICHEVER IS GREATER.
- ALL RING AND RADIAL DEPTHS AT 30" OR 6" BELOW FROST LINE, 4. WHICHEVER IS GREATER.

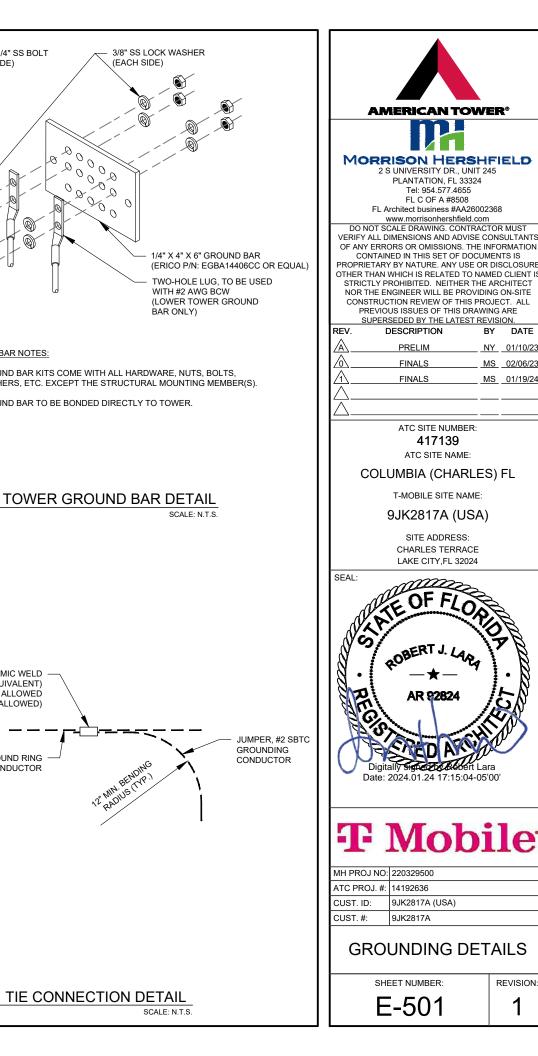


GROUND BAR NOTES:

- 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

GROUND ROD DETAIL							
SCALE: N.T.S.							





		11/10/22	, 9:53 AM					9JK2817/	A_Coverage S	Strategy_1	_2022-11	-10				
		48	RAN Templa E5D998E 61		A&L Ter 4Sec-67E59988		]						9JK281	7A_Cov	erage Strategy_1	
		4080-07	CODOBUL OF	00 (10 000	1406007233300		]						PORs	: Coverage S	Print Name: Standa trategy_Regional Covera	
							y.	Section 1 - Si	te Informatio	n						_
		Status:     ReadyForReview     Site C       Version:     1     Site T       Project Type:     Coverage Strategy     Plan Y       Approved:     Not approved     Market       Approved By:     Not approved     Vender						iite Name:       9JK2817A (UsA)       Latitude:       30.10         iite Class:       Self Support Tower       Longitude:       -82         iite Type:       Structure Non Building       Address:       Charles:         Plan Year:       City, State:       Charles:         farket:       JACKSONVILLE FL       Region:       SOUTH         /endor:       Nokia         andlord:       Not Specified								_
			the state of the second second		5D998E 6160 (no		-		AL Template	-		KAIR+10P				_
		Secto	r Count: 4	1 <sub>00</sub>	Antenna	Count: 8		Coax Line Cou	nt: 0	TMA C	ount: 0		R	RU Count	8	
							Secti	on 2 - Existing	Template I	mages						-
							0000									-
							1-	RFDS HEAD	)ER_							
1/10/22, 9:53 AM			g	JK2817A Covera	ge Strategy_1_2022-11-10					11/10/22, 9:53 AM			q	IK7817A Cover	ge Strategy_1_2022-11-10	
RAN Templat 4Sec-67E5D998E 616	e: C (no GSM) 4Sec-61	A&L Template: 7E5998E_1 xAIR+1OP	1			9JK2817A_Cov	verage Strategy_1			RAN Template		A&L Template: 7E5996E_1xAIR+10P	]		90 000009)_1_10011 (1) 10	9JK2B17A_C
		A	2			PORa: Coverage	Print Name: Standard Strategy_Regional Coverage			4Sec-67E5D998E 6160	1 (np (3544) 4580-B	EDWOE_TXALC+1OP	]			PORs: Coverag
	_	11		n 6 - A&L Equip	es au direct						Sec	tor 2 (Propose	d) view from fr	ont (Note: the	images show view from beh	hind)
			Exis Proposed Temp	ting Template: Cu Inte: 4Sec-67E599	stom 98E_1×AIR+1OP					Coverage Type	A - Outdoor Mac	0				
	Sec	tor 1 (Proposi	ed) view from fr	ont (Note: the	images show view from	behind)				Antenna			1			2
Coverage Type	A - Outdoor Mac	2		N	1					Antenna Model	Commscope - FI	VV-65C-R3-V1 (Oc	10)		AIR 6419 B41 (Active Antenna - Ma	nssive MIMO)
Antenna Antenna Madal			1			2				Azimuth	(130)				(130)	
Antenna Model Azimuth		FVV-65C-R3-V1 (O:	to)	-	AIR 6419 B41 (Active Antenna	e - Massive MIMO)				M. Tilt	0				0	
M. Tilt	50				50					Height	(240)	1		-	(240)	
Height	(240)				(240)					Ports	P1	P2	P3	P4	P5	
Ports Active Tech	P1	P2	P3	P4	P5		P6			Active Tech	(L700) (L600) (N600)	(L700) (L600) (N600)	(L2100) (L1900) (N1900)	(L2100) (L1900) (N1900)	(N2500)	(N2500)
Active rech	L700 L600	L700 L600 N600	L2100 L1900	(L2100) (L1900) (N1900)	N12500)	N2500				Dark Tech Restricted Tech						
Dark Tech	1000			(citered)						Decomm. Tech					1	
Restricted Tech										E. Tit						
Decomm. Tech										Cables	Coax Jumper	Coax Jumper	Cosx Jumper	Coax Jumper		1
E. Till Cables	(Coay Lumper	Cosy himper	(Cosy Limosr	Gcax Jumper		_				TMAs	(12)	(x2)	(x2)	(12)	1	
	Coax Jumper (x2)	Coax Jumper (x2)	(x2)	(x2)						Diplexer /						+
TMAs Diplexer /						_				Combiners Radio						
Combiners										Radio	1Radio 4480 1B71+B85 (At	Radio 4480	1Radio 4460 1825+866 (At	Radio 4450		
Radio	Radio 4480  871+885 (At  Antenns)	Radio 4480 (B71+B85 (At (Antenna)	Radio 4460 825+866 (At Antenna)	Radio 4460 1825+866 (At 1Antenna)						Sector Equipment	(Antenna)	IB71+B85 (At   IAntonna)	(Antenna)	1825+866 (At (Antenna)		-
Sector Equipment				an and and						Unconnected Equip	oment	4				
Unconnected Equi	ipment:									Scope of Work:						
Scope of Work:										Construction and a second seco						
										L						
							]			*A dashed border in	dicates shared con	nected equipment. A	my shared equipment	it, besides the first, i	s denoted with the SHARED keyword.	
"A dashed border in	ndicates shared con	nected equipment	Any shared equipment	t besides the first i	s denoted with the SHARED key	word.										



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SHEET NUMBER:	
R-601	

**REVISION**:

### SUPPLEMENTAL

Coverage Strategy\_1
Print Name: Standard
Print Name: Standard
Print Name: Standard
P6
P6

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11/10/22, 9:53 AM
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9JK2817A\_Coverage Strategy\_1\_2022-11-10

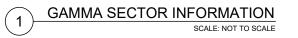
RAN Templato: 4Sec-87E5D998E 6160 (no GSM) A&L Template: 4Sec-67E5998E\_1xAIR+1OP

9JK2817A\_Coverage Strategy\_1

Print Name: Standard PORs: Coverage Strategy\_Regional Coverage

Coverage Type	A - Outdoor Macro	0					
Antenna	Î.		1		2		
Antenna Model	Commscope - FF	VV-65C-R3-V1 (Oct	0)		(AIR 6419 B41 (Active Antenna - Massive MIMO))		
Azimuth	220				(220)		
M. Tilt	0				0		
Height	240				(240)		
Ports	P1	P2	P3	P4	P5	P6	
Active Tech	L700 L600 N600	L700 L600 N600	L2100 L1900 N1900	L2100 (L1900) N1900	N2500	N2500	
Dark Tech							
Restricted Tech							
Decomm. Tech							
E. Tilt							
Cables	Coax Jumper (x2)	Coax Jumper (x2)	Coax Jumper (x2)	Ccax Jumper (x2)			
TMAs							
Diplexer / Combiners							
Radio	Radio 4480 B71+B85 (At Antenna)	Radio 4480 IB71+B85 (At IAntenna)	Radio 4460 B25+B66 (At Antenna)	Radio 4460 B25+B66 (At Antenna)			
Sector Equipment							

\*A dashed border indicates shared connected equipment. Any shared equipment, besides the first, is denoted with the SHARED keyword.



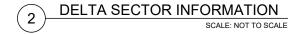
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9JK2817A\_Coverage Strategy\_1\_2022-11-10

RAN Template:	A&L Template:
4Sec-67E5D998E 6160 (no GSM)	4Sec-67E5996E_1xAIR+1OP

Coverage Type	(A - Outdoor Macro	0				
Antenna			2			
Antenna Model	Commscope - FF	VV-65C-R3-V1 (Oct	0))		AIR 6419 B41 (Active Antenna - Massive N	
Azimuth	(330)				(330)	
M. Titt	0				0	
Height	(240)				(240)	
Ports	P1	P2	P3	P4	P5	
Active Tech	L700 L500 N600	L700 (L600) (N600)	L2100 (L1900) (N1900)	(L2100) (L1900) (N1900)	N2500	N2
Dark Tech						
Restricted Tech						
Decomm. Tech						
E. Tilt						
Cables	Coax Jumper (x2)	Coax Jumper (x2)	Coax Jumper (x2)	Coax Jumper (x2)		
TMAs						
Diplexer / Combiners						
Radio	Radio 4480 B71+B85 (At Antenna)	Radio 4480 B71+B85 (At Antenna)	Radio 4450 825+866 (At Antenna)	Radio 4460 825+866 (At Antenna)		
Sector Equipment						

\*A dashed border indicates shared connected equipment. Any shared equipment, besides the first, is denoted with the SHARED keyword.

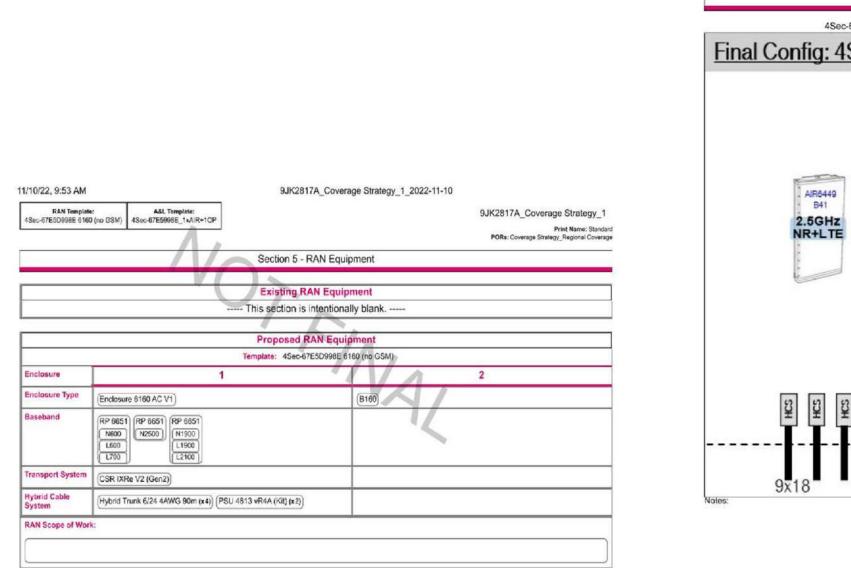


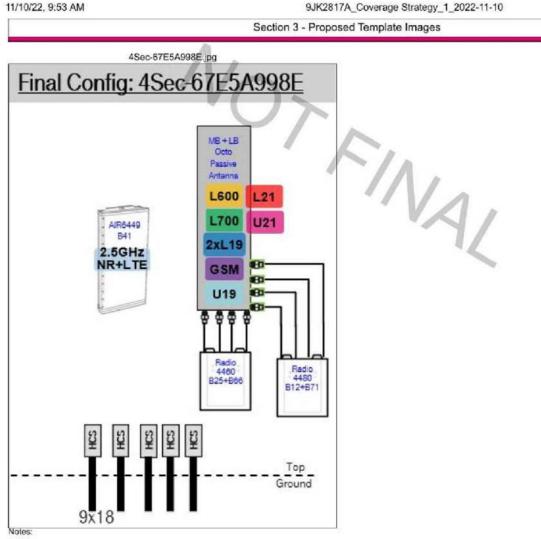
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ST OF CUSTOMER WITHOUT EDIT.



**REVISION**:

d)	
/e MIMO))	
	P6
N2500	





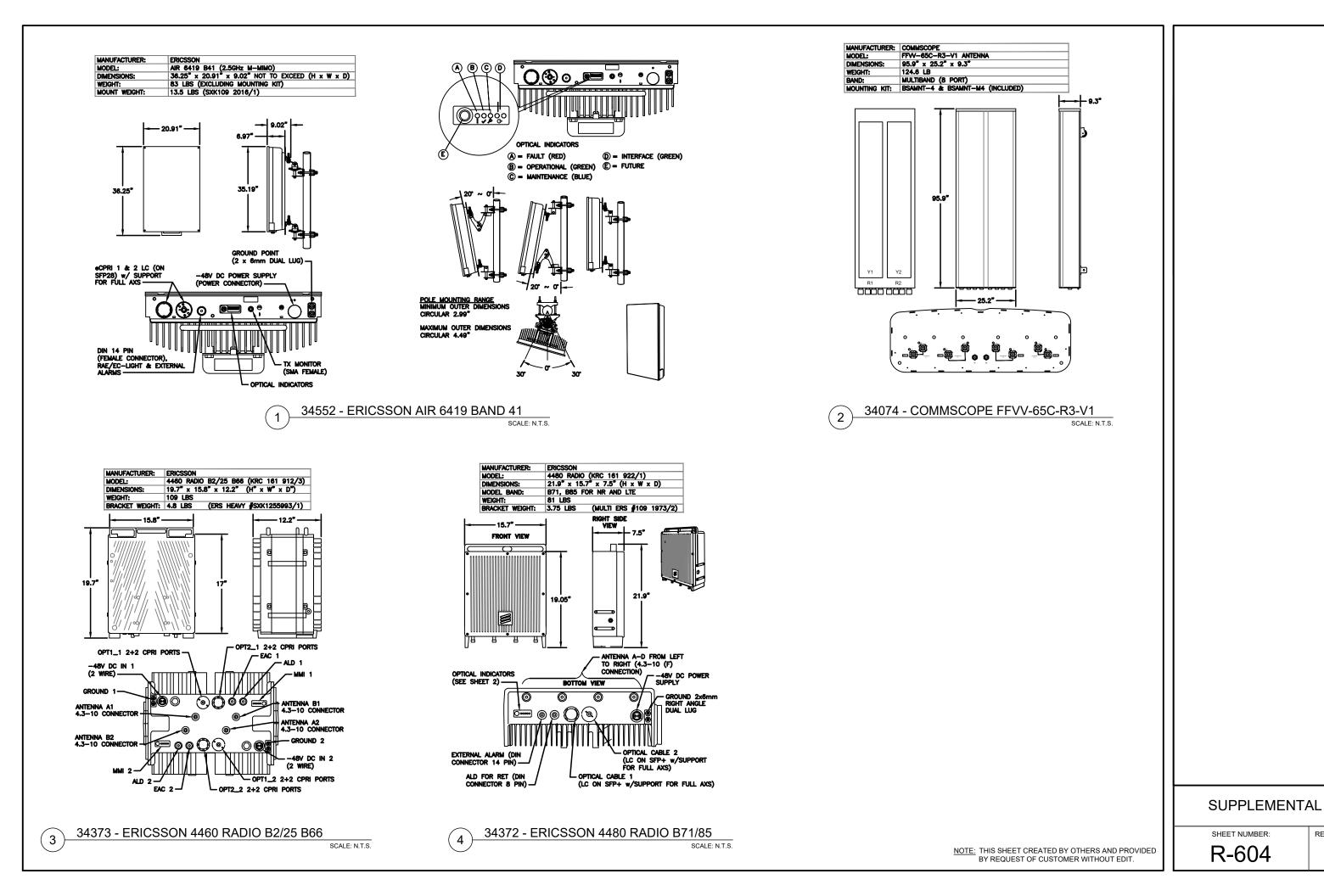




NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

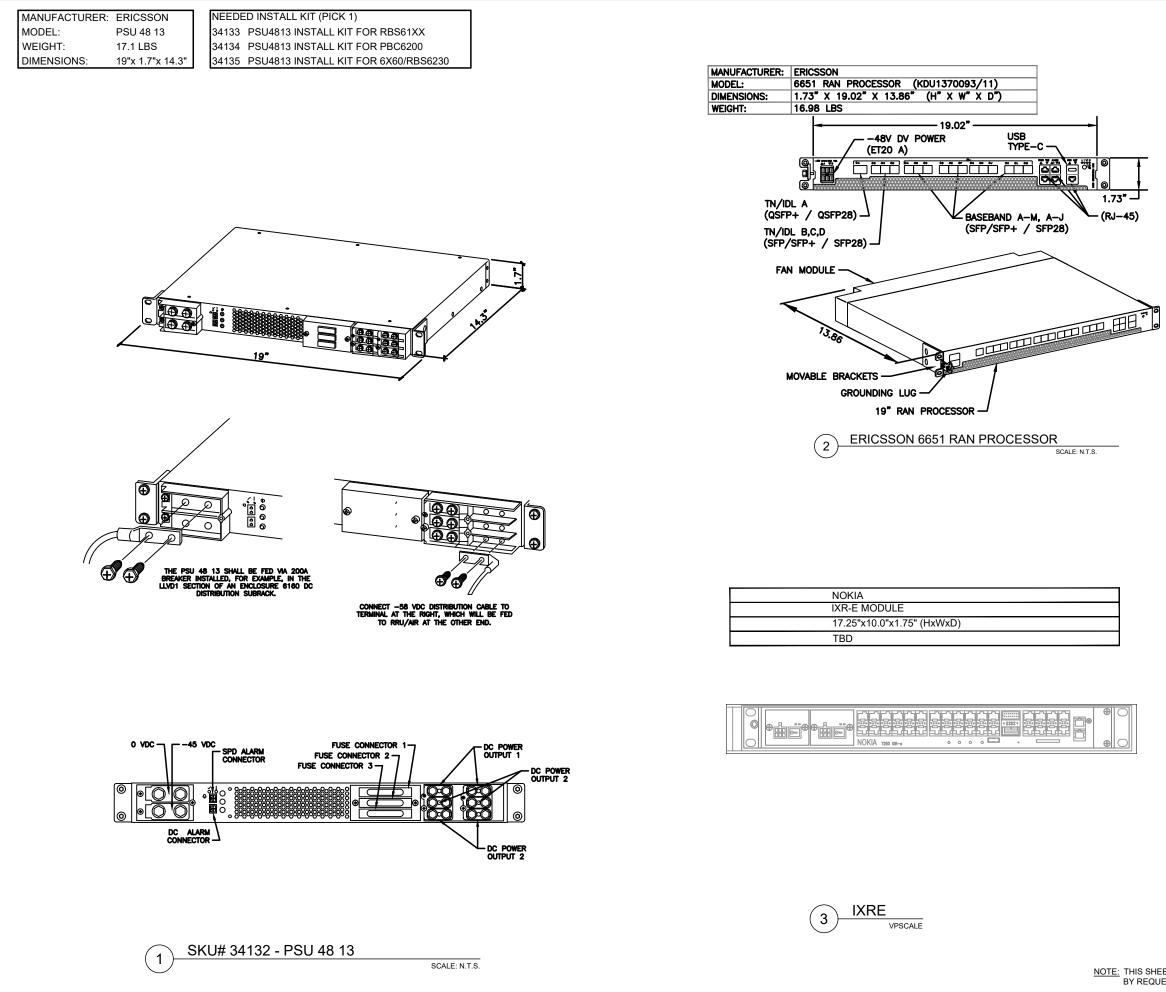


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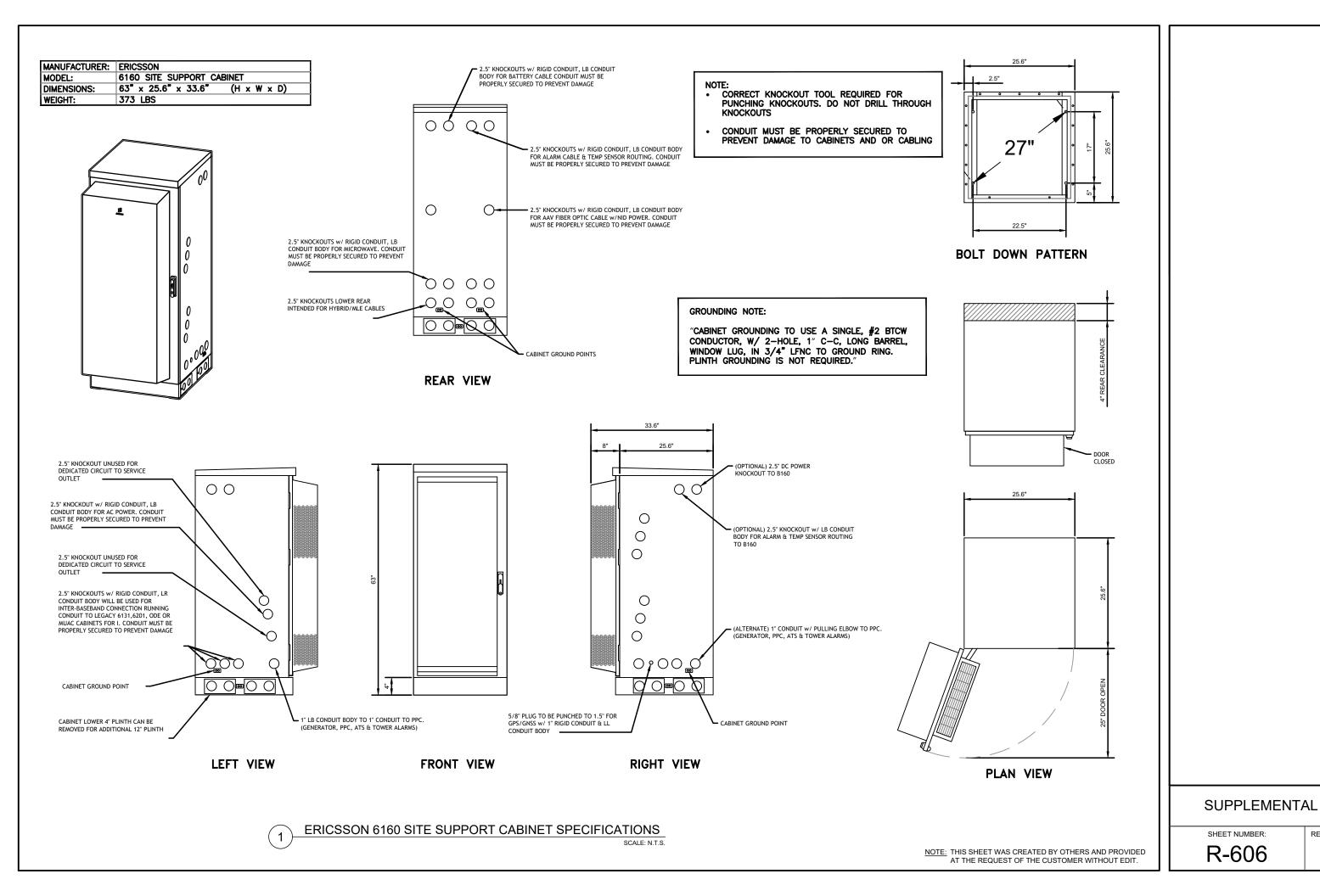


REVISION

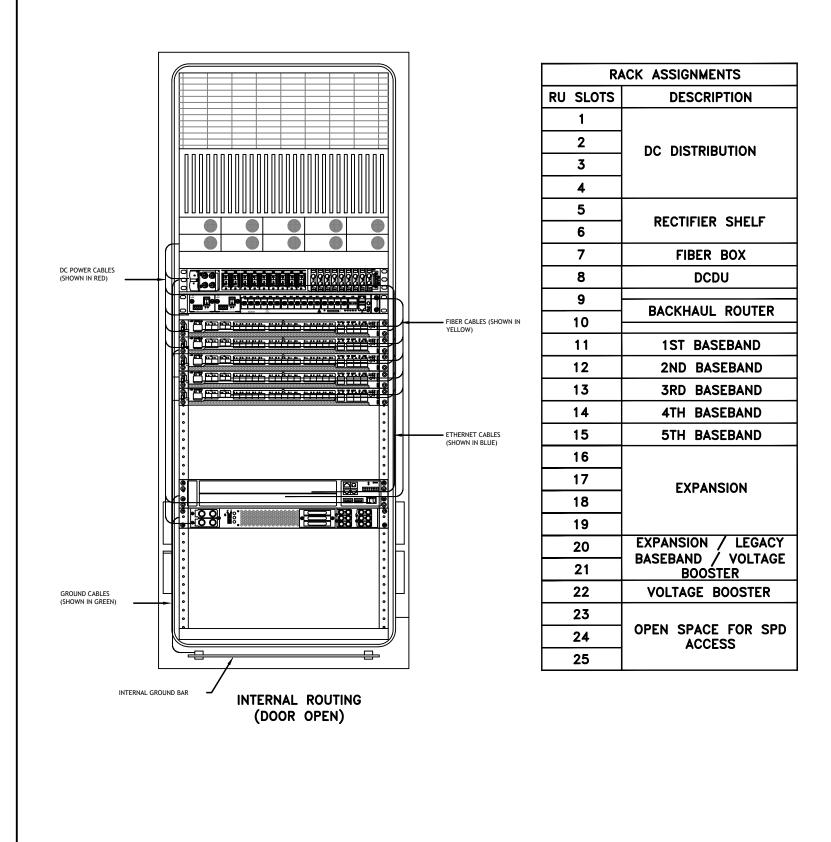


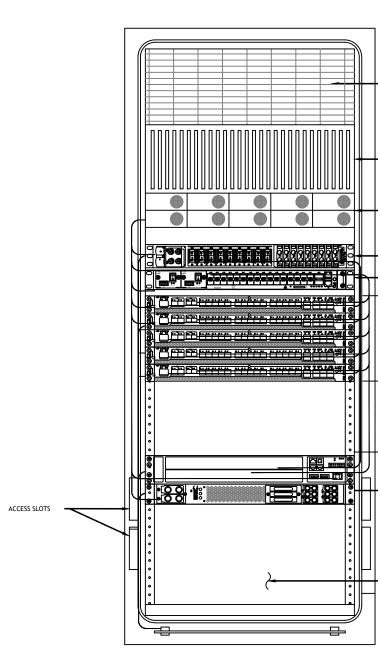


**REVISION:** 



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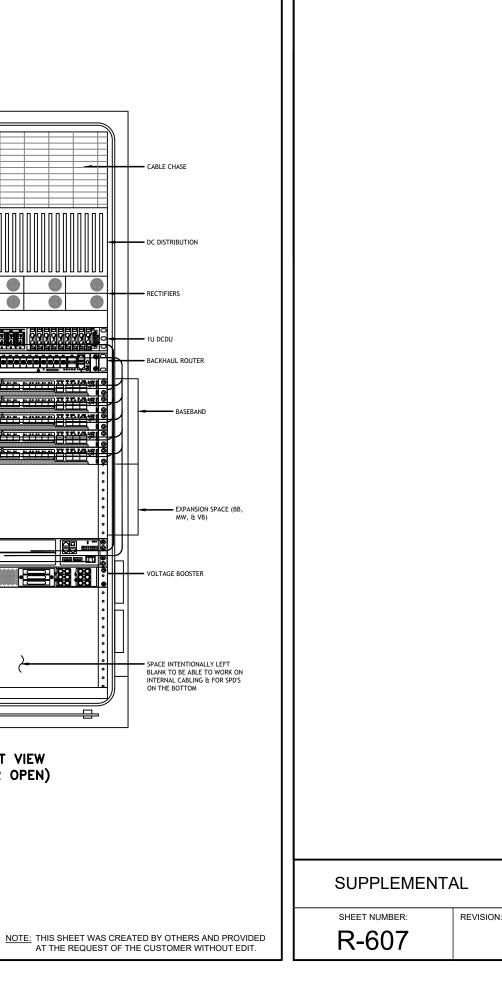




FRONT VIEW (DOOR OPEN)

#### **ERICSSON 6160 CABINET DETAILS** 1

SCALE: N.T.S.



ci	R SECET	Ckl	#	w/ DCDU Prior to availableity of the 4460	dlocation for LGE60 w/ DCDC, Later Design Post- 4460 and Post 4480	w/ DCDU-4 and 6 Sector designs	
			1	and 4480 Router	PS 2°/Future	ta dio 4460 825/56 (-1	
	2		2		Future	Radio / 460 B25/56 ζ-2	
	3	LVD1 47.0V	3	PSJ 4813 feeding B2.	5/66 α, 3 and γ (AIR 1641s)	PSU 4813 feeding 841 & & 871/12 & (Air 6449s and Radio 4480s)	
	+ 5 0		5	- PS.	J /813 teecing B41 α, β and γ (Air S		
	/ 8		1	PSJ 4813 feeding B71/12 α, 3 and γ (tadio 4449s)	PSU 4813 fee ding 371/12 c	i, Η and γ (Pacin 4480s)	
	9	V02	3	I	Fulure	Radio 4460 B25/66 δ-1	
	10	45.1V	۷		Lutiire	tadio 4450 825/56 8-2	
	11		5		Fu ture	Radio 7450 825/56 e-1	
	12 13		ћ 1		Fuluro touter PS-1	ta dio 4458 825/56 ε-2	
	14		2	Radio 4415 825/66 α	Radio 4460 B	25/66 α-1	
	1a -		- 3			25/55 8-2	
	16		1	Rac id 4/15 325/65 γ	Radic //60 B	25/55 β-1	
	17	3EVD 43.2V	5	-50 4813 feeding 32/25	ta die 4460 B	25/55 β-2	
	13		6	α, β and γ (Racie 4424s)	Racio 4/60 B		
	19		7	Future	Radio 4460 B	(25/66 γ-2	
	20		х		2CDU		
	21		9		VAA		
				a Alpha, 3	Sector Ident ∩ cation Beta, y Gamma, δ Delta, e E	csilon,ζ Zeta	
_					~	MAIN LOAD CONNECTORS	
	-8-9			<b>~</b> ~		- MAIN	LOAD CONNECTORS
							CONNECTOR



RETURN BUS BAR

-48V BUS

DC DISTRIBUTION BREAKERS (21)

POWER CONTROL

ALRM BOARD IB2

RECTIFIERS (1-9)



BLVD #1-6 CB SLOT #13-21

LLVD1 #1-6 CB SLOT #1-6

LOAN

ERICSSON 6160 ELECTRICAL DETAILS 1

SCALE: N.T.S.

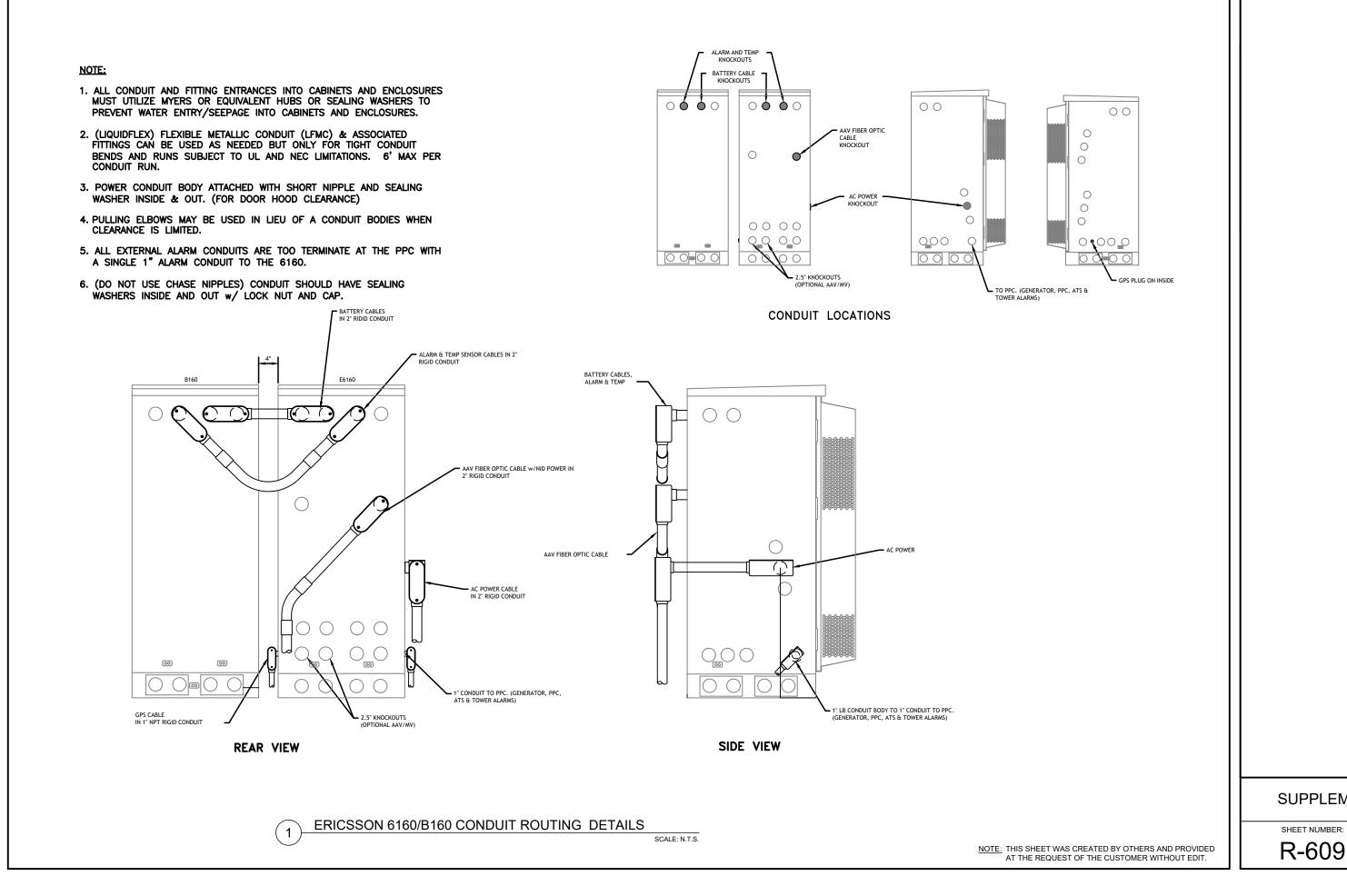
LLVD2 #1-6 CB SLOT #7-12

DC DISTRIBUTION UNIT

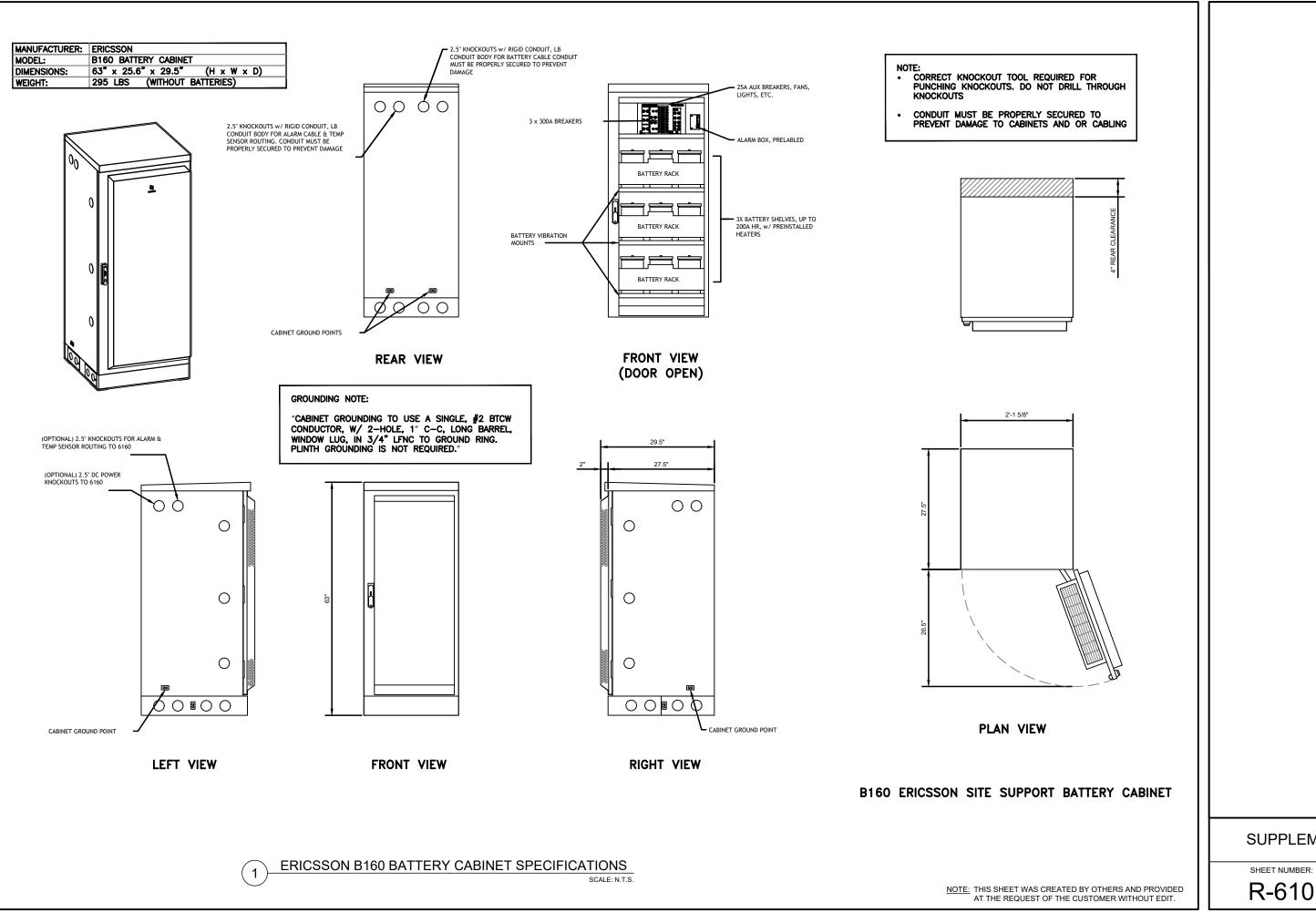
- ALRM BOARD EIB



**REVISION**:

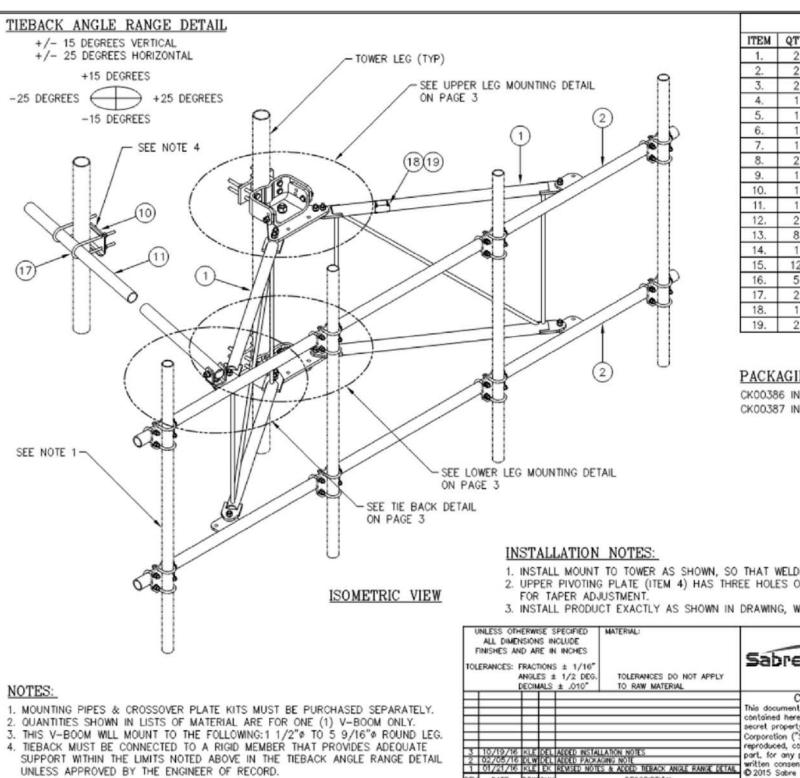






### **SUPPLEMENTAL**

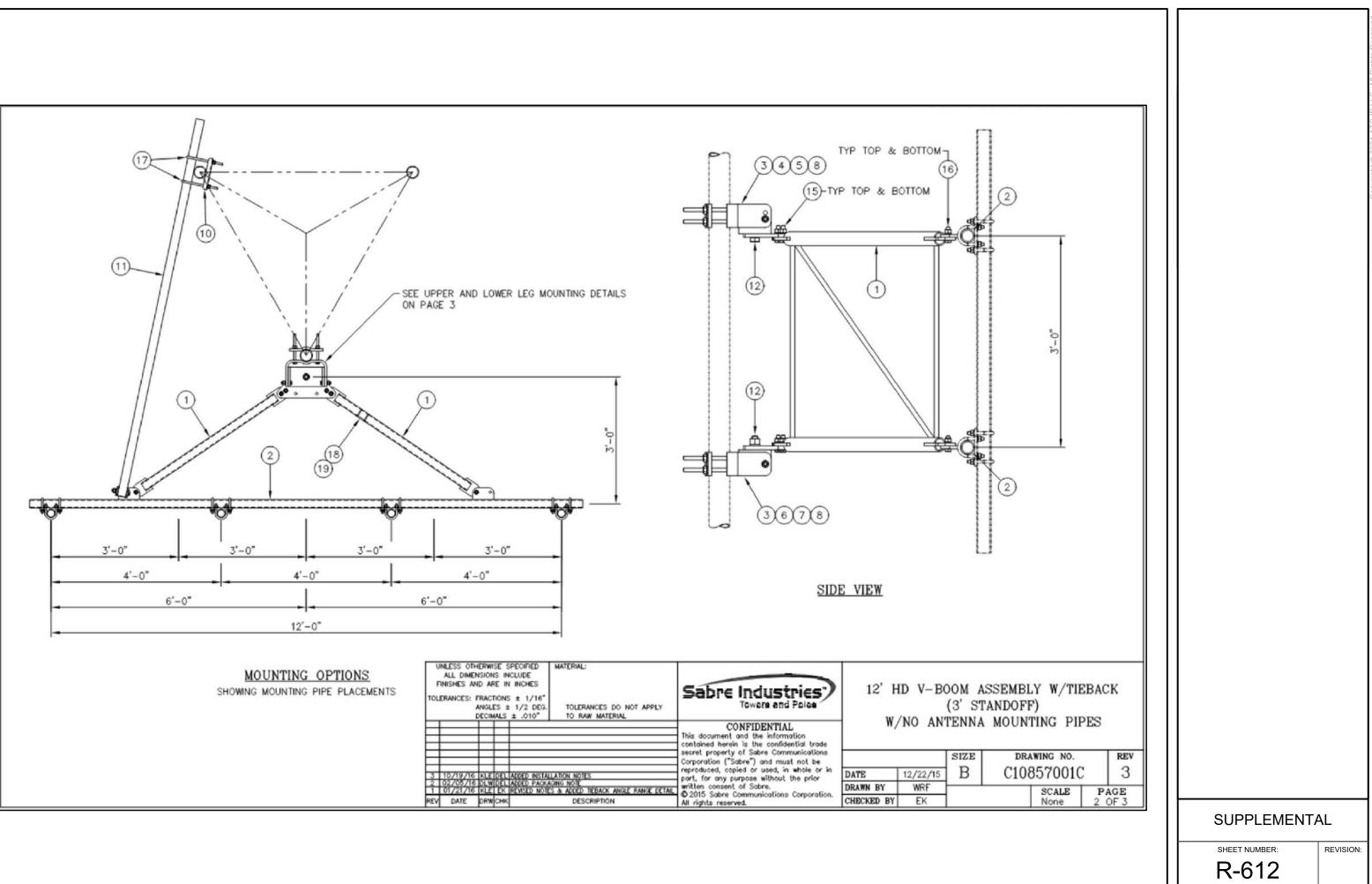
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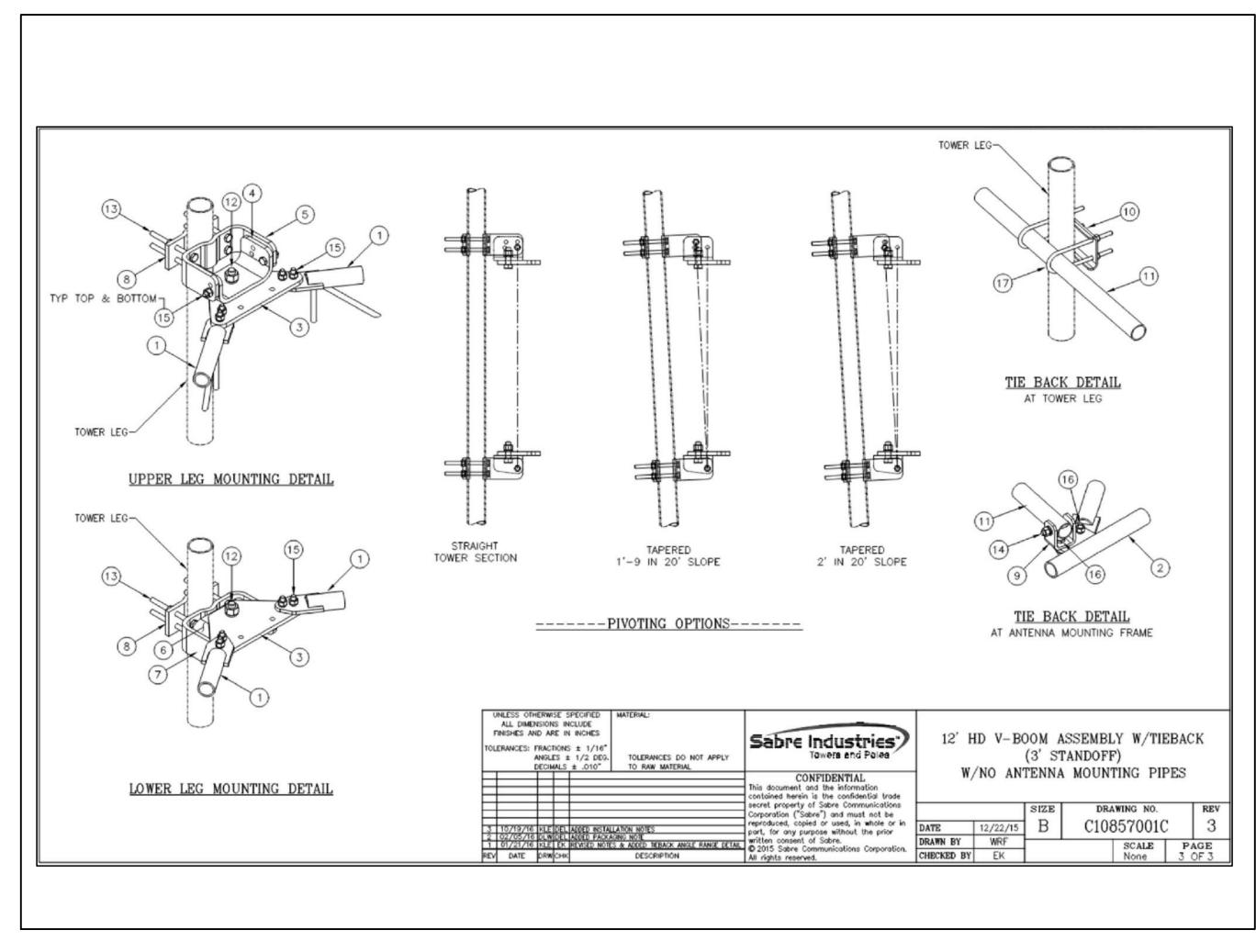
3         2         CONTENT           4         1         CONTENT         16           5         1         CONTENT         17           6         1         CONTENT         17           7         1         CONTENT         17           8         2         CONTENT         14           7         1         CONTENT         14           7         1         CONTENT         14           1         CONTENT         3           10         1         CONTENT         3           10         1         CONTENT         3           11         1         CONTENT         3           11         1         CONTENT         3           11         1         CONTENT         3           12         1         CONTENT         3           13         CONTABLE NOTING CURPT         14         12           14         1         CONTABLE NOTING CARE         17           15         12         CONTENT         3         13           15         12         CONTENT         13         14           15         12         CONTABLE NON
4.       1       CS03110       PLATE, PIVOTING (UPPER)       16         5.       1       CS03111       PLATE, LEG CLAMP (UPPER)       17         6.       1       CS03112       PLATE, PIVOTING (LOWER)       14         7.       1       CS03113       PLATE, LEG CLAMP (LOWER)       17         8.       2       CS03114       PLATE, LEG CLAMP (BACK)       14         9.       1       CS00388       PLATE, TIE BACK SUVEL       3         10.       1       CS03333       PIPE, TIE BACK CLAMP       4         11.       1       CS03333       PIPE, TIE BACK       38         12.       2       C40026073       BOLT ASSEMBLY, 5/8 \$ x 8 A307       13         14.       1       C40026033       BOLT ASSEMBLY, 5/8 \$ x 4 1/2 A325       1         15.       12       C40026025       BOLT ASSEMBLY, 5/8 \$ x 2 1/4 A325       3         16.       5       C40026024       BOLT ASSEMBLY, 5/8 \$ x 2 1/4 A325       3         17.       2       C40026025       BOLT ASSEMBLY, 5/8 \$ x 2 1/4 A325       3         17.       2       C40026024       BOLT ASSEMBLY, 1/2 \$ x 2 9/16 C-C       3         18.       1       Z30992001       MOUNT CLASSIFICATION
4.         1         CS03110         PLATE, PIVOTING (UPPER)         16           5.         1         CS03111         PLATE, LEG CLAMP (UPPER)         17
2. 2 CW01223 WELDMENT, FACE PIPE 147

	C	10857001C 1	2' HD V-BOOM ASSEMBLY W/TIEBACK		
	ITEM QTY.	PART NO.	DESCRIPTION	WEIGHT	
>)	1. 2	and the second	ELDMENT, STANDOFF ARM	126	
, 	2. 2	CW01223 W	ELDMENT, FACE PIPE	147	
UPPER LEG MOUNTING DETAIL	3. 2	CS03109 P	LATE, ROTATING	34	
PAGE 3	4. 1	CS03110 P	LATE, PIVOTING (UPPER)	16	
(2)	5. 1	CS03111 P	LATE, LEG CLAMP (UPPER)	17	
	6. 1		LATE, PIVOTING (LOWER)	14	
	7. 1		LATE, LEG CLAMP (LOWER)	17	
	8. 2		LATE, LEG CLAMP (BACK)	14	
9	9. 1		LATE, TIE BACK SWIVEL	3	
	10. 1		LATE, TIE BACK CLAMP	4	
	11. 1		IPE, TIE BACK	38	
		the second s	OLT ASSEMBLY, 1 Ø X 3 A325	4	
			OLT ASSEMBLY, 5/8 Ø X 8 A307	13	11
			OLT ASSEMBLY, 5/8 Ø X 4 1/2 A325	1	
			OLT ASSEMBLY, 5/8 Ø X 2 1/2 A325	6	
			OLT ASSEMBLY, 5/8 Ø X 2 1/4 A325	3	
			-BOLT ASSEMBLY, 1/2 Ø X 2 9/16 C-C	3	
			OUNT CLASSIFICATION TAG C10857001C	1	
	19. 2	C40062103 S	TAINLESS STEEL SELF-LOCKING CABLE TIE	1	
			TOTAL WEIGHT	462	
SEE LOWER LEG MOUNTING DETAIL ON PAGE 3 DETAIL <u>INSTALLATION NOTES:</u> 1. INSTALL MOUNT TO TOWER AS SHOWN, SO	CK00387 INCLUE THAT WELDED S EE HOLES ON E/	DES ITEMS 1, 3, DES ITEMS 2, 8, STANDOFF DIAGO ACH SIDE AND U	4, 5, 6, 7, 12 & 15 (8 QTY) 9, 10, 11, 13, 14, 15 (4 QTY), 16, 17, 18 & 19 NAL IS SLOPING DOWNWARD FROM TOWER END TO FAC PPER LEG CLAMP PLATE (ITEM 5) HAS TWO HOLES OF NG UPWARDS.	CE PIPE END. N EACH SIDE	
ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010" TO RAW MATERIAL COLERANCES DO NOT APPLY TO RAW MATERIAL COLERANCES DO NOT A	TB: CONF This document and contained herein is secret property of S Corporation ("Sabre" reproduced, copied part, for any purpos written consent of S	the confidential trade iabre Communications ) and must not be or used, in whole or i se without the prior	SIZE         DRAWING NO.           DATE         12/22/15         B         C108570010           DRAWN BY         WRF         SCALE         SCALE	PES	
					SUPPLEMEN
					SHEET NUMBER:
					R-611

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SUPPLEMENTA	AL.
SHEET NUMBER: <b>R-613</b>	REVISION:

