

AMERICAN TOWER®

SMU
ENGINEERING GROUP, INC.
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
Δ	FOR CONSTRUCTION	ZDS	04/05/22
Δ	FOR CONSTRUCTION	ZDS	05/03/22
Δ			
Δ			

ATC SITE NUMBER:
24516

ATC SITE NAME:
FALLING CREEK FL

T-MOBILE SITE NAME:

175 AT 110 BOOMER

SITE ADDRESS:
1334 HUNTSVILLE CHURCH RD
LAKE CITY, FL 32055-7044

SEAL:

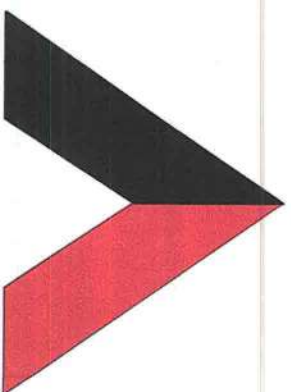


T-Mobile

DATE DRAWN:	04/05/22
ATC JOB NO:	13973819_G3
CUSTOMER ID:	175 AT 110 BOOMER
CUSTOMER #:	9JK0218A

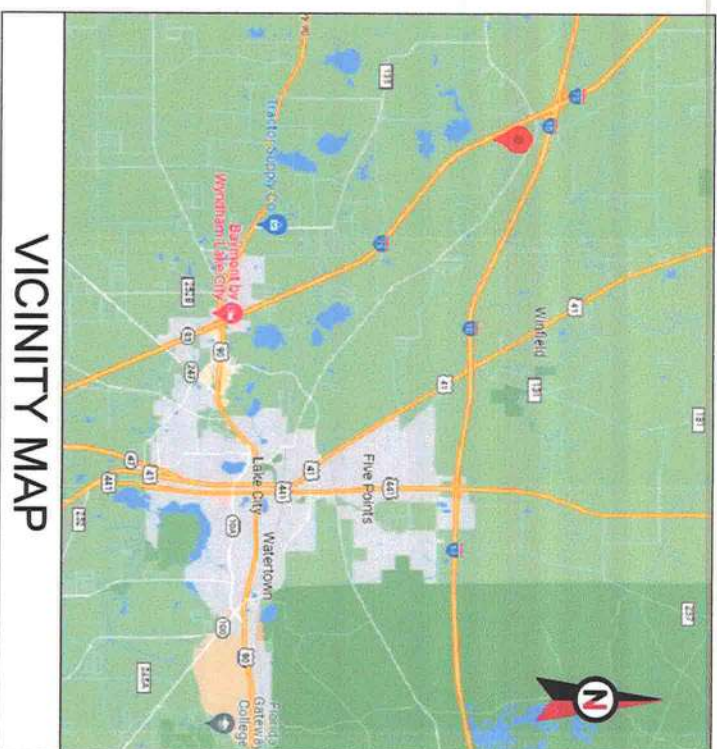
TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	1



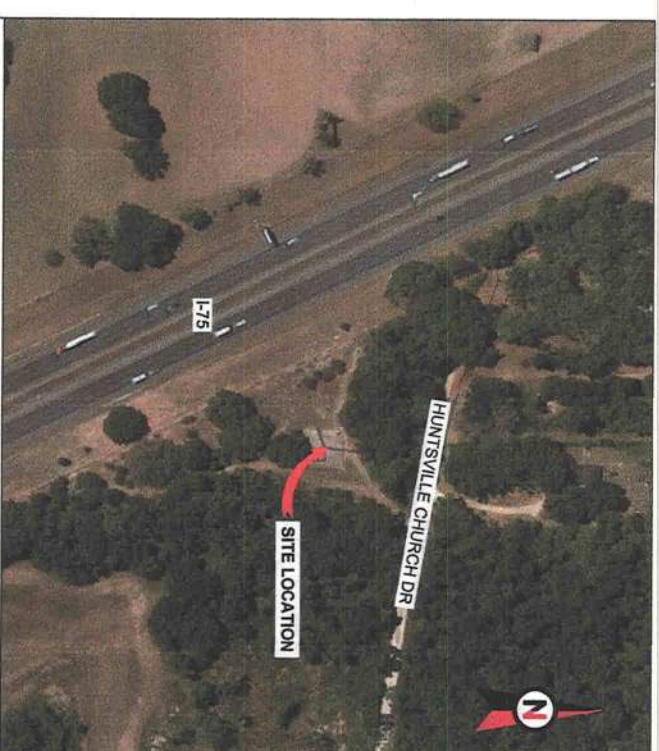
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ATC SITE NAME: FALLING CREEK FL
ATC SITE NUMBER: 24516
T-MOBILE SITE NAME: 175 AT 110 BOOMER
T-MOBILE SITE NUMBER: 9JK0218A
SITE ADDRESS: 1334 HUNTSVILLE CHURCH RD
LAKE CITY, FL 32055-7044



VICINITY MAP

T-MOBILE AMENDMENT PLAN ANCHOR_PHASE 3 CONFIGURATION



LOCATION MAP

COMPLIANCE CODE		PROJECT SUMMARY		PROJECT DESCRIPTION		SHEET INDEX																																																										
<p>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.</p> <ol style="list-style-type: none">2020 FLORIDA BUILDING CODE, 7TH EDITIONANSI/TIA-222-H7TH EDITION FLORIDA FIRE PREVENTION CODE (NFPA 70)2017 NATIONAL ELECTRICAL CODEBASIC WIND SPEED FOR TOWER STRUCTURAL ANALYSIS: 117 MPH (3-SECOND GUST)CITY/COUNTY ORDINANCESEXPOSURE CATEGORY: CRISK CATEGORY: II		<p>SITE ADDRESS: 1334 HUNTSVILLE CHURCH RD LAKE CITY, FL 32055-7044 COUNTY: COLUMBIA</p> <p>GEOGRAPHIC COORDINATES: LATITUDE: 30.25068859 LONGITUDE: -82.74430402 GROUND ELEVATION: 154' AMSL</p>		<p>THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: TOWER WORK: INSTALL (3) ANTENNAS EXISTING (3) ANTENNAS, (1) MMV ANTENNA, (2) 1-5/8" COAX CABLES, (2) 1-99" HYBRID TRUNKS, AND (1) 7/8" COAX CABLE TO REMAIN</p>		<table><tr><th>SHEET NO.</th><th>DESCRIPTION:</th><th>REV.</th><th>DATE:</th><th>BY:</th></tr><tr><td>G-001</td><td>TITLE SHEET</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>G-002</td><td>GENERAL NOTES</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>C-101</td><td>DETAILED SITE PLAN</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>C-201</td><td>TOWER ELEVATION</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>C-401</td><td>ANTENNA INFORMATION & SCHEDULE</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>C-501</td><td>CONSTRUCTION DETAILS</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>C-502</td><td>EQUIPMENT SPECIFICATIONS</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>E-501</td><td>GROUNDING DETAILS</td><td>1</td><td>04/28/22</td><td>ZDS</td></tr><tr><td>R-601</td><td>SUPPLEMENTAL</td><td></td><td></td><td></td></tr><tr><td>R-602</td><td>SUPPLEMENTAL</td><td></td><td></td><td></td></tr></table>				SHEET NO.	DESCRIPTION:	REV.	DATE:	BY:	G-001	TITLE SHEET	1	04/28/22	ZDS	G-002	GENERAL NOTES	1	04/28/22	ZDS	C-101	DETAILED SITE PLAN	1	04/28/22	ZDS	C-201	TOWER ELEVATION	1	04/28/22	ZDS	C-401	ANTENNA INFORMATION & SCHEDULE	1	04/28/22	ZDS	C-501	CONSTRUCTION DETAILS	1	04/28/22	ZDS	C-502	EQUIPMENT SPECIFICATIONS	1	04/28/22	ZDS	E-501	GROUNDING DETAILS	1	04/28/22	ZDS	R-601	SUPPLEMENTAL				R-602	SUPPLEMENTAL			
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PROJECT TEAM		PROJECT NOTES																																																														
<p>TOWER OWNER: AMERICAN TOWER 10 PRESIDENTIAL WAY WOBBURN, MA 01801</p> <p>ENGINEER: JEREMY SHART jshart@smwg.com SMW ENGINEERING GROUP INC. 158 BUSINESS CENTER DR. BIRMINGHAM, AL 35244 JOB# 22-5239</p> <p>PROPERTY OWNER: MARGARET H PETTIGREW 1334 HUNTSVILLE CHURCH RD LAKE CITY, FL 32055-7044</p>		<p>APPLICANT: T-MOBILE 5901 BENJAMIN CENTER DRIVE, SUITE 110 A-B TAMPA, FL 33634</p>		<ol style="list-style-type: none">THE FACILITY IS UNMANNED.A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.HANDICAP ACCESS IS NOT REQUIRED.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).																																																												
UTILITY COMPANIES <p>POWER COMPANY: SUWANNEE VALLEY ELECTRIC COOPERATIVE, FL PHONE: 800.447.4509 TELEPHONE COMPANY: AT&T - EFT PHONE: 877.438.0041</p>		PROJECT LOCATION DIRECTIONS TAKE I-75 TO EXIT 82, LAKE CITY. TO 90 EAST. GO 2.6 MILES. THERE WILL BE A SIGN TO TURN TO THE ARMORY. TURN LEFT THERE ON LAKE JEFFERY RD GO. 8.6 MILES FROM 90 TAKE A LEFT ON HUNTSVILLE CHURCH ROAD. GO UNTIL IT DEAD ENDS AT I-75. SITE IS ON THE LEFT.																																																														



Know what's below.
Call before you dig.



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GENERAL NOTES

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.

SHEET NUMBER:	REVISION:
G-002	1

COAXIAL CABLE (NOT WITHIN BINS)

GENERAL CONSTRUCTION NOTES:

- OWNER FURNISHED MATERIALS. T-MOBILE "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL.
 - BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
 - ACTELCO INTERFACE BOX (IPC)
 - ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
 - 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
 - BTS EQUIPMENT
 - THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE T-MOBILE SITE. THE CONTRACTOR IS LIMITED TO SUCH MATERIALS AS FENCING, STRUCTURAL STEEL, CONCRETE, BRICK, BLOCK, OR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING BINS, GROUNDING WIRES, COPPER/CLAD OR KIT CHEMICAL GROUND RODS, BUS 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-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 AND RECORDED BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
 - DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
 - DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
 - THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
 - CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS 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 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.
 - 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.
 - ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING 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 AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
 - CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
 - CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER 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) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
 - 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.
- 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.
 - CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH T-MOBILE SPECIFICATIONS AND REQUIREMENTS.
 - CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO T-MOBILE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 - ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS AND LOCATED ACCORDING TO T-MOBILE SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
 - THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. 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 APPROVAL.
 - 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 NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE 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 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 REMOVED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
 - 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 EQUIPMENT SHALL BE PICKED-UP AT THE T-MOBILE WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNGRATED, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APURTENANCES 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.
 - INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND T-MOBILE SPECIFICATIONS.
 - INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
 - INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
 - CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZ/LOCKHARD 87139 RF SIGNAL GENERATOR ANALYZER, SWEEP FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS BEING CONDUCTED BY PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RF'S MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIX COAXIAL CABLE SYSTEMS DATED 10/5/83. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
 - INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
 - ANTENNA AND COAXIAL CABLE GROUNDING:
 - ALL EXTERIOR #6 GREEN GROUND WIRE "Daisy Chain" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPICE WEATHERPROOFING KIT #221213 OR EQUAL.
 - ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF

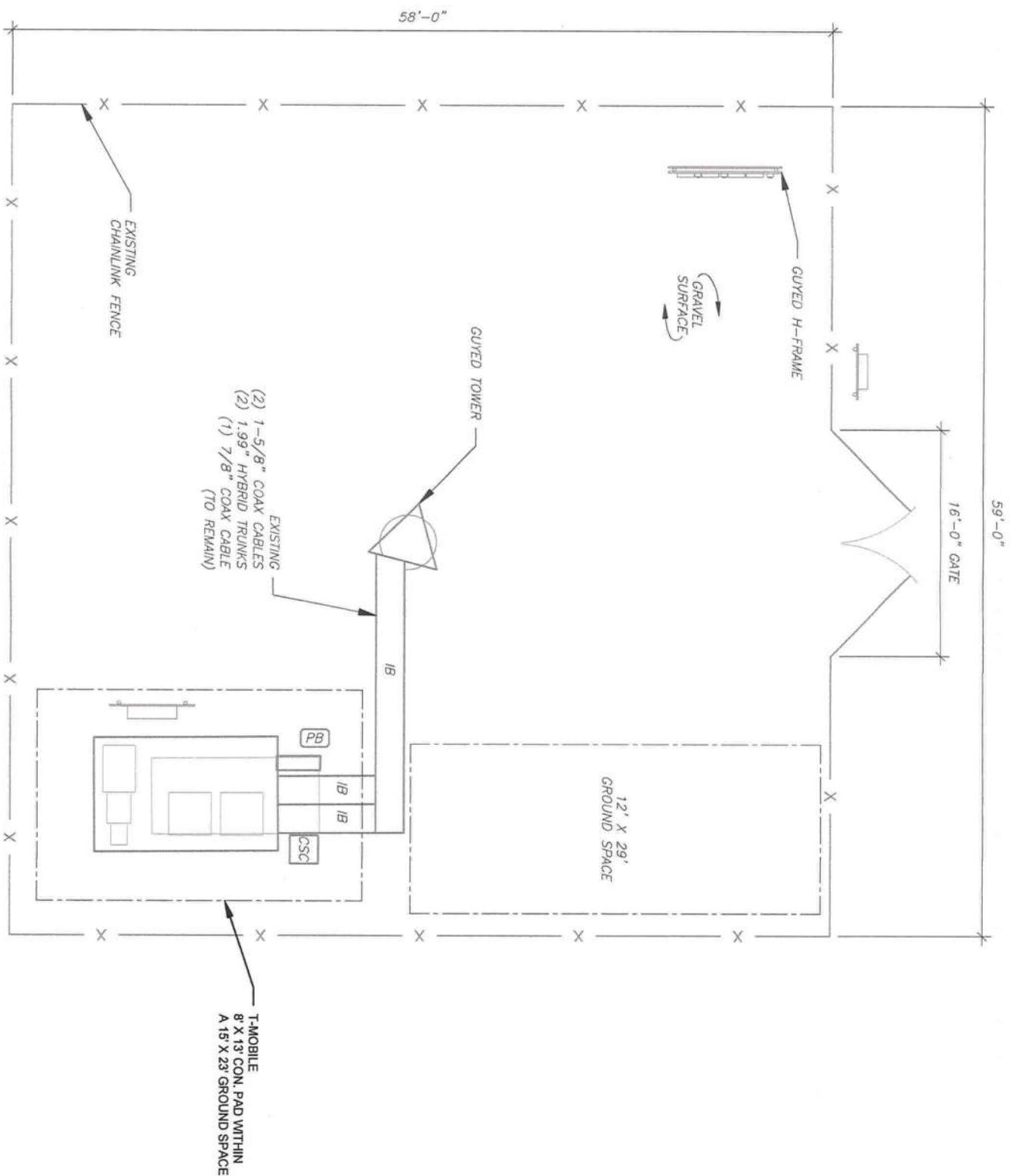
SITE PLAN NOTES:

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. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

LEGEND	
⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
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 LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS 320'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAPS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).



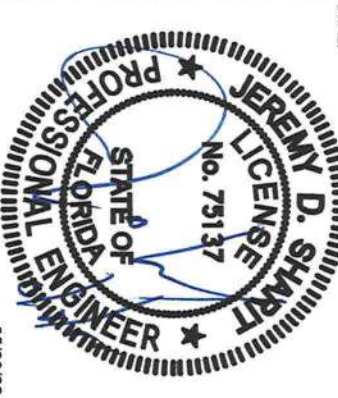
1 DETAILED SITE PLAN



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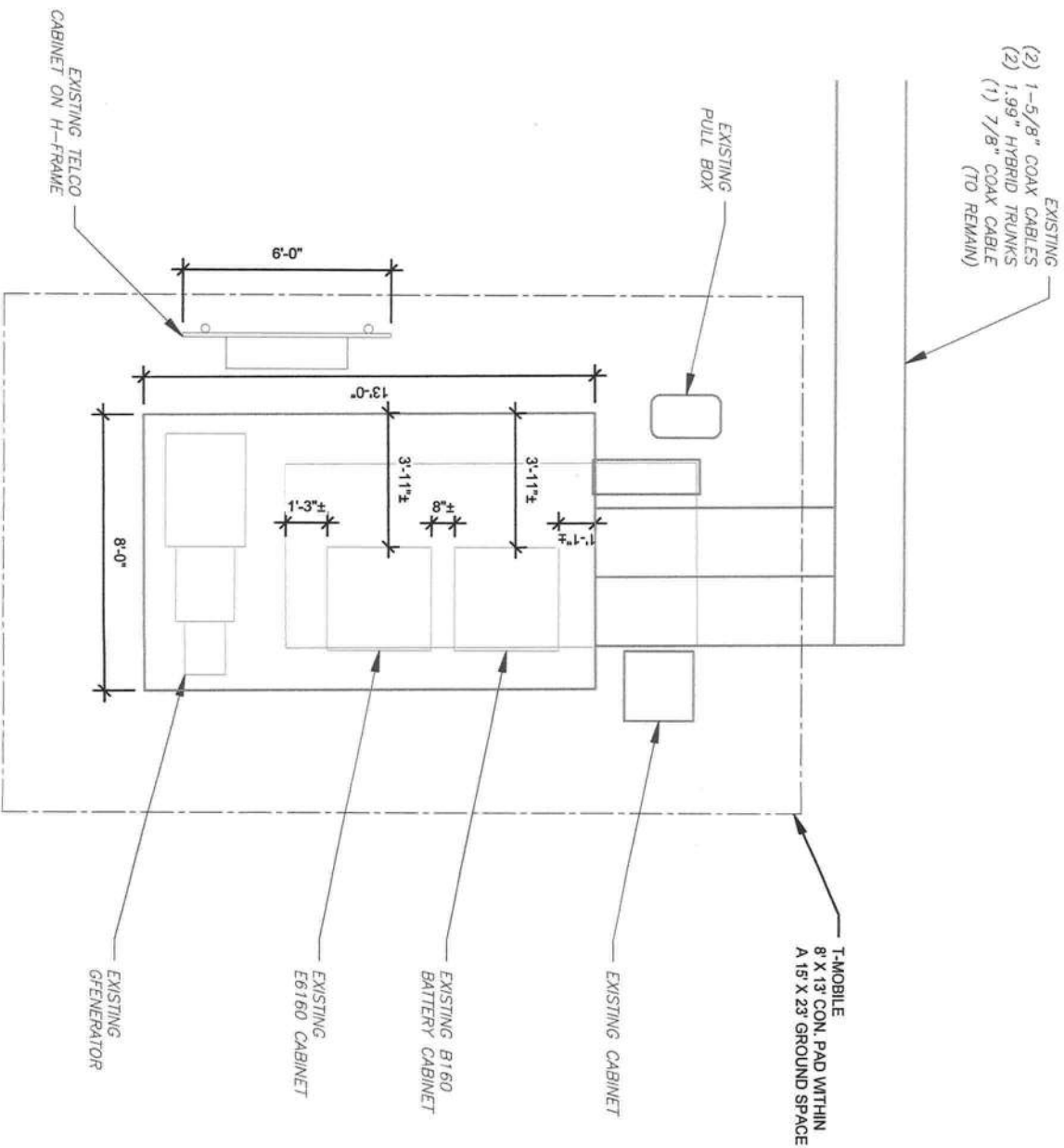
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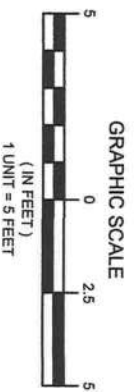
DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	1

- SITE PLAN NOTES:
1. CONTRACTOR TO VERIFY THERE IS NO LIVE AAV FIBER RUNNING THROUGH EXISTING DEAD EQUIPMENT. IF SO, THIS WILL NEED TO BE RERUN THROUGH CONDUIT PRIOR TO REMOVING DEAD 2G (6201 CABS) EQUIPMENT.
 2. ALL OPEN PORTS NEED TO BE SEALED / WEATHERPROOFED PROPERLY
 3. ALL UNNEEDED / EXCESS EQUIPMENT AND GARBAGE TO BE REMOVED FROM EQUIPMENT AREA. DISPOSE OF MATERIALS PROPERLY OFF SITE.



1 EXISTING GROUND EQUIPMENT LAYOUT



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DETAILED EQUIPMENT
PLAN

SHEET NUMBER: C-102	REVISION: 1
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TEL: 205-252-6985 FAX: 205-320-1504

ATC SITE NUMBER
24516

LAKE CITY, FL 32055-7044

LAKE CITY, FL 32055-7044



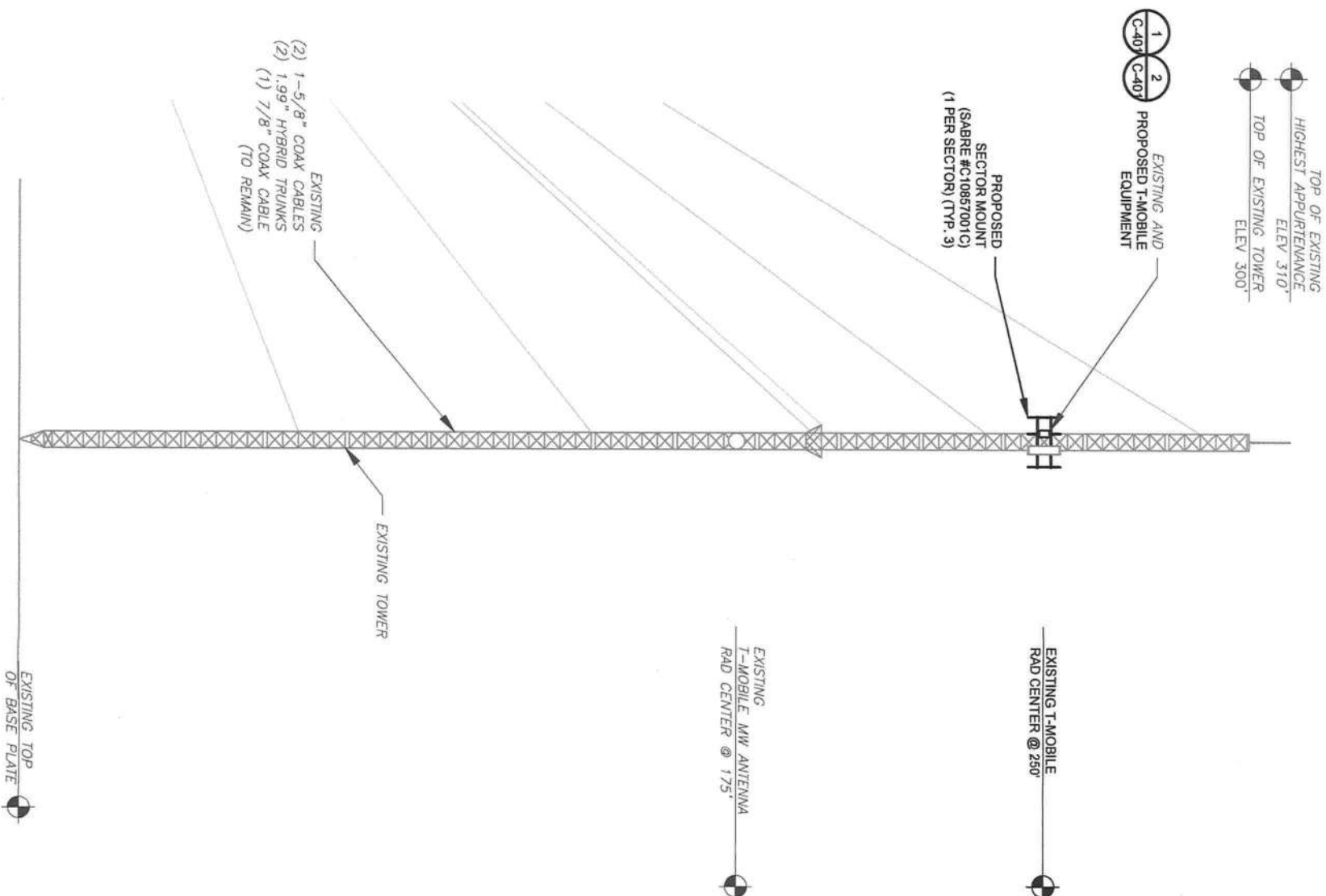
T-Mobile

DATE DRAWN:	04/05/22
ATC JOB NO:	13973819_G3
CUSTOMER ID:	175 AT110 BOOMER
CUSTOMER #:	9AJK0218A

TOWER ELEVATION

SHEET NUMBER:	C-201	REVISION:	1
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THE EXISTING MOUNT CANNOT ADEQUATELY SUPPORT THE PROPOSED LOADING. THE PROPOSED MOUNT REPLACEMENT, DETAILED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



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 APPLICANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS, WHERE APPLICABLE. ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. 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-RINGS 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).
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
5. TOWER ELEVATION DEPLETION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

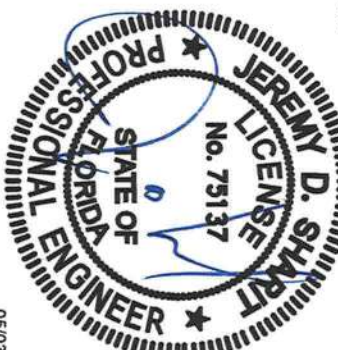


SMU
ENGINEERING GROUP, INC.
TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-8985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	04/05/22
1	FOR CONSTRUCTION	ZDS	09/03/22
2			
3			

ATC SITE NUMBER:
24516
ATC SITE NAME:
FALLING CREEK FL
T-MOBILE SITE NAME:
175 AT 110 BOOMER
SITE ADDRESS:
1334 HUNTSVILLE CHURCH RD
LAKE CITY, FL 32055-7044

SEAL:



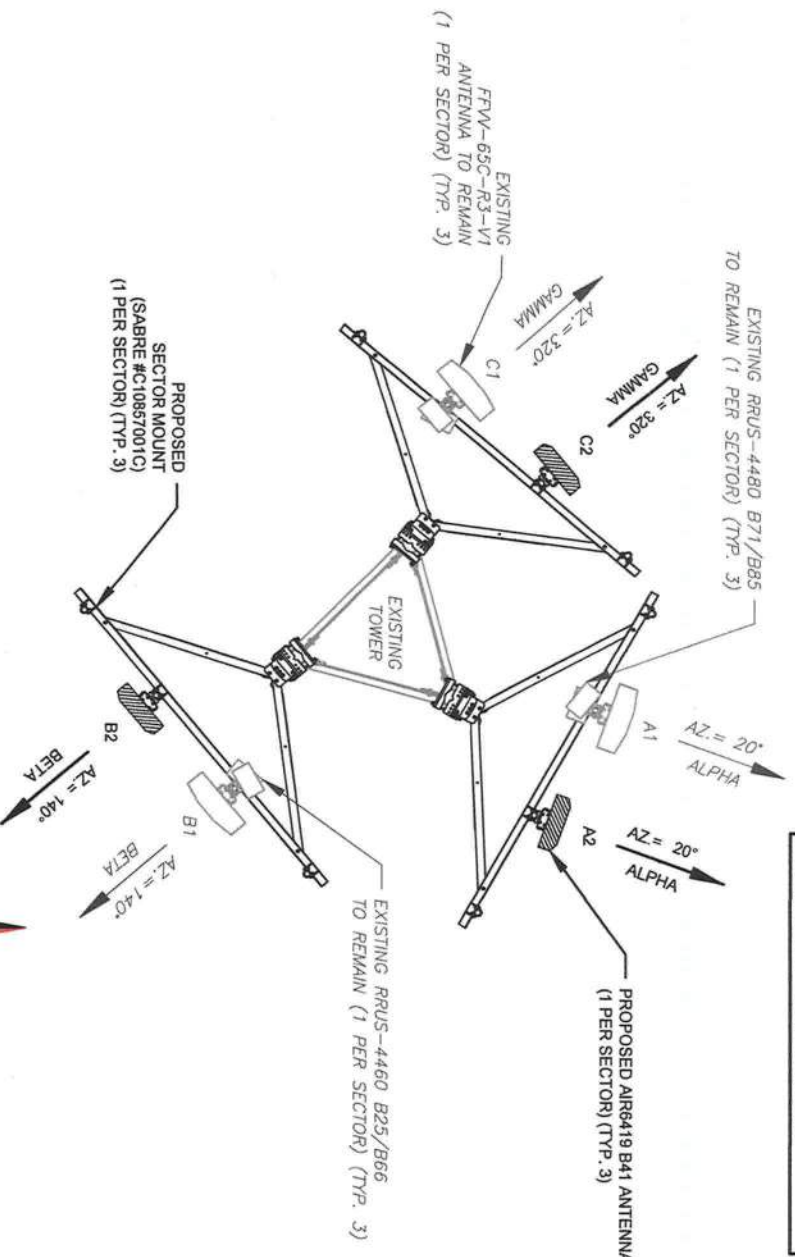
T-Mobile

DATE DRAWN:	04/05/22
ATC JOB NO:	13973819_G3
CUSTOMER ID:	175 AT 110 BOOMER
CUSTOMER #:	9JK0218A

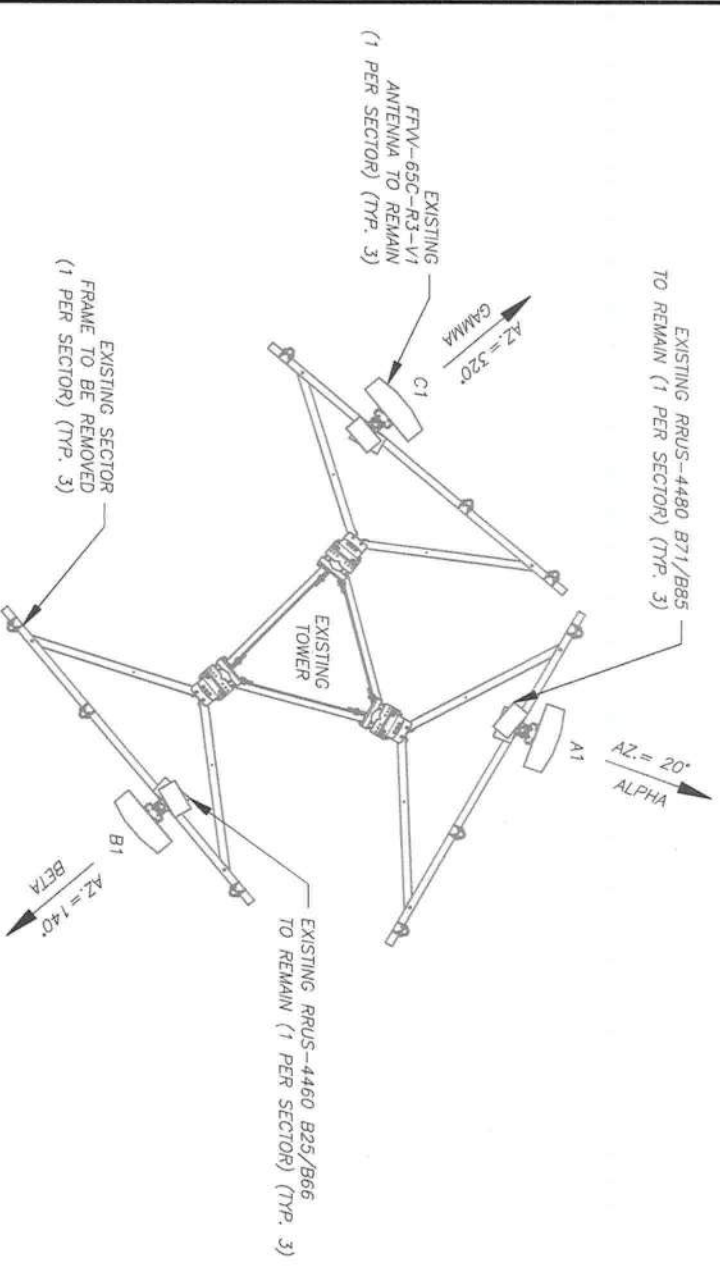
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	1

THE EXISTING MOUNT CANNOT ADEQUATELY SUPPORT THE PROPOSED LOADING. THE PROPOSED MOUNT REPLACEMENT, DETAILED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



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



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

EXISTING ANTENNA SCHEDULE					
LOCATION	SECTOR	RAD	AZ	POS	ANTENNA
ALPHA	250'	20°	A1	FFW-65C-R3-V1	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690
BETA	250'	140°	B1	FFW-65C-R3-V1	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690
GAMMA	250'	320°	C1	FFW-65C-R3-V1	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690

NON ANTENNA SUMMARY					
STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS	MECH/ELEC D-TILT	BAND	ANTENNA
RMN	4480 B71/B85 4460 B25/B66	RMN	0°/-	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690	FFW-65C-R3-V1
RMN	4480 B71/B85 4460 B25/B66	RMN	0°/-	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690	FFW-65C-R3-V1
RMN	4480 B71/B85 4460 B25/B66	RMN	0°/-	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690	FFW-65C-R3-V1

FINAL ANTENNA SCHEDULE					
LOCATION	SECTOR	RAD	AZ	POS	ANTENNA
ALPHA	250'	20°	A1	FFW-65C-R3-V1	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690
BETA	250'	140°	B1	FFW-65C-R3-V1	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690
GAMMA	250'	320°	C1	FFW-65C-R3-V1	RX-668-688,698-704,17 735-1745,1855-1880,19 05-1915,2496-2690 TX-622-642,728-734,19 35-1960,1985-1995,21 35-2145,2496-2690

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STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS	MECH/ELEC D-TILT	BAND	ANTENNA
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EXISTING FIBER DISTRIBUTION/OP BOX			EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS		CABLE QTY, SIZE, TYPE	STATUS	
-	-		(2) 1-5/8" COAX (2) 1.99" HYBRID (1) 7/8" COAX	RMN	

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION/OP BOX			FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS		CABLE QTY, SIZE, TYPE	STATUS	
-	-		(2) 1-5/8" COAX (2) 1.99" HYBRID (1) 7/8" COAX	RMN	

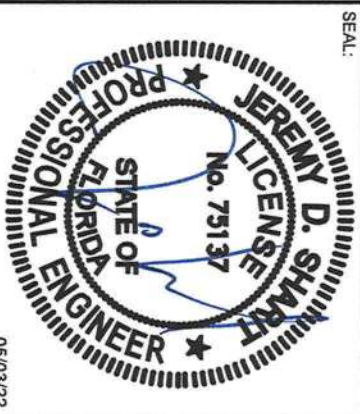


SMM
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158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-9985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
Δ	FOR CONSTRUCTION	ZDS	04/05/22
Δ	FOR CONSTRUCTION	ZDS	05/03/22
Δ			
Δ			

ATC SITE NUMBER:
24516

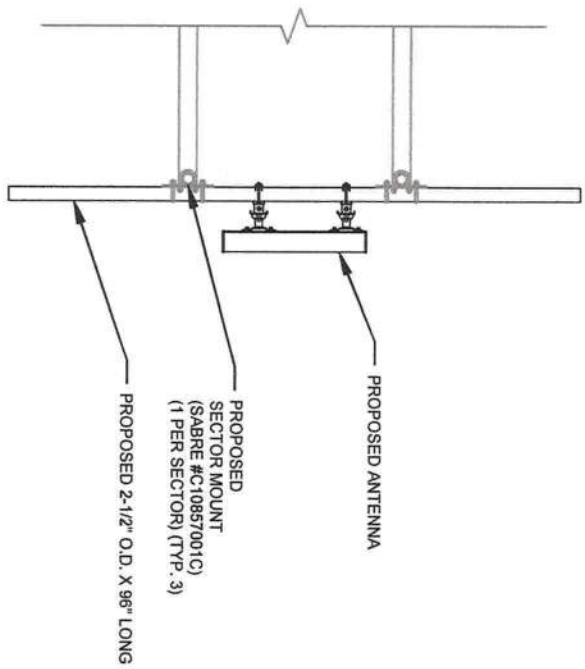
ATC SITE NAME:
FALLING CREEK FL
T-MOBILE SITE NAME:
175 AT 110 BOOMER
SITE ADDRESS:
1334 HUNTSVILLE CHURCH RD
LAKE CITY, FL 32055-7044



DATE DRAWN:	04/05/22
ATC JOB NO:	13973819_G3
CUSTOMER ID:	175 AT 110 BOOMER
CUSTOMER #:	9JK0218A

CONSTRUCTION
DETAILS

SHEET NUMBER:	REVISION:
C-501	1



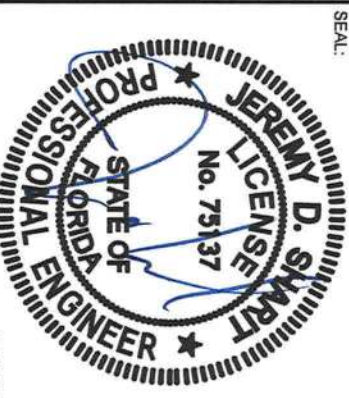
1 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



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158 BUSINESS CENTER DRIVE
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REV.	DESCRIPTION	BY	DATE
Δ	FOR CONSTRUCTION	ZDS	04/05/22
Δ	FOR CONSTRUCTION	ZDS	05/03/22
Δ			
Δ			

ATC SITE NUMBER:
24516
ATC SITE NAME:
FALLING CREEK FL
T-MOBILE SITE NAME:
175 AT 110 BOOMER
SITE ADDRESS:
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LAKE CITY, FL 32055-7044



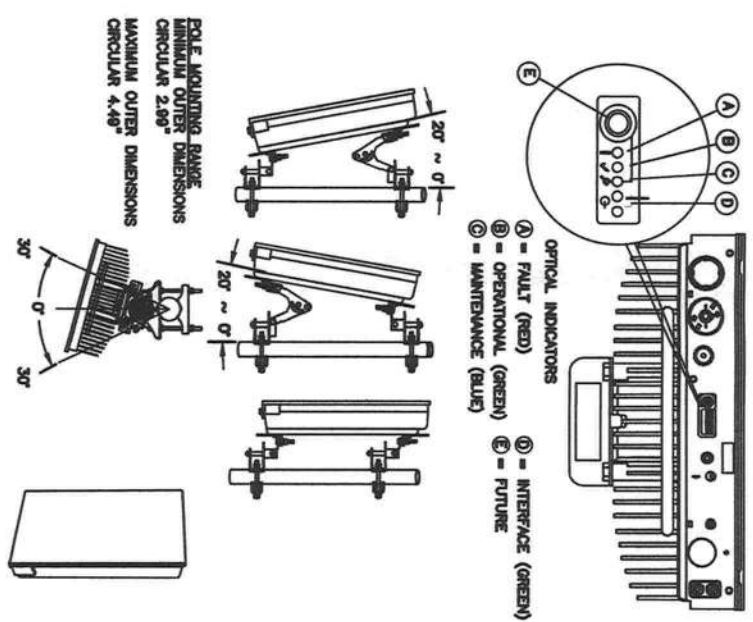
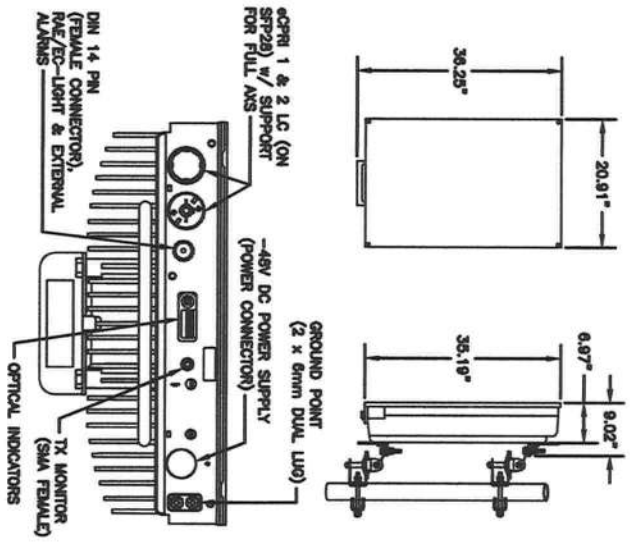
T-Mobile

DATE DRAWN:	04/05/22
ATC JOB NO:	13973819_G3
CUSTOMER ID:	175 AT 110 BOOMER
CUSTOMER #:	9JK0218A

EQUIPMENT
SPECIFICATIONS

SHEET NUMBER:	REVISION:
C-502	1

MANUFACTURER:	ERICSSON
MODEL:	AIR 6419 B41 (2.5GHz W-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:	13.6 LBS (SIX109 2018/1)



1 34552 - ERICSSON AIR 6419 BAND 41
SCALE: N.T.S.



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158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV. DESCRIPTION BY DATE

Δ FOR CONSTRUCTION ZDS 04/05/22
Δ FOR CONSTRUCTION ZDS 05/03/22

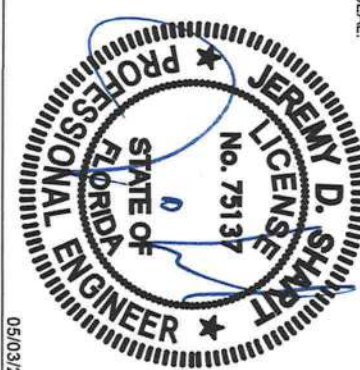
ATC SITE NUMBER:
24516

ATC SITE NAME:
FALLING CREEK FL

T-MOBILE SITE NAME:
I75 AT I10 BOOMER

SITE ADDRESS:
1334 HUNTSVILLE CHURCH RD
LAKE CITY, FL 32055-7044

SEAL:



05/03/22

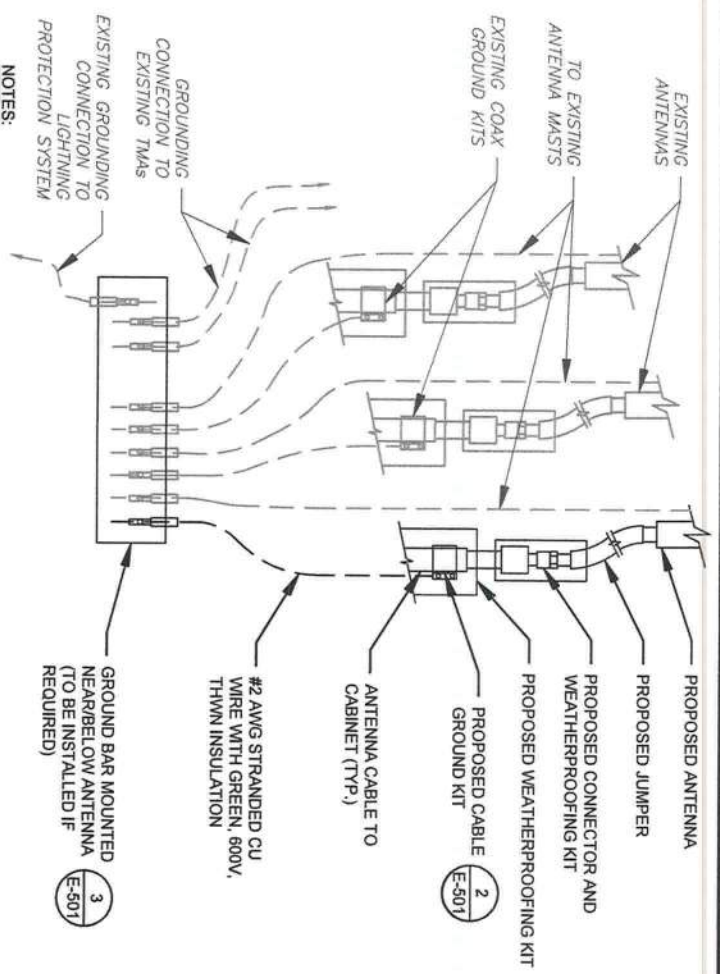
T-Mobile

DATE DRAWN: 04/05/22
ATC JOB NO: 13973819_G3
CUSTOMER ID: I75 AT I10 BOOMER
CUSTOMER #: 9JK0218A

GROUNDING DETAILS

SHEET NUMBER: E-501

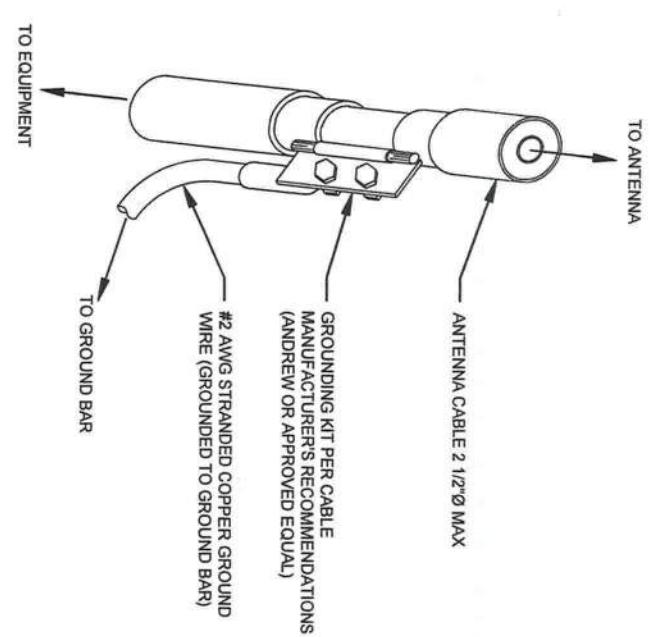
REVISION: 1



- NOTES:
- THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
 - SITE GROUNDING SHALL COMPLY WITH 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

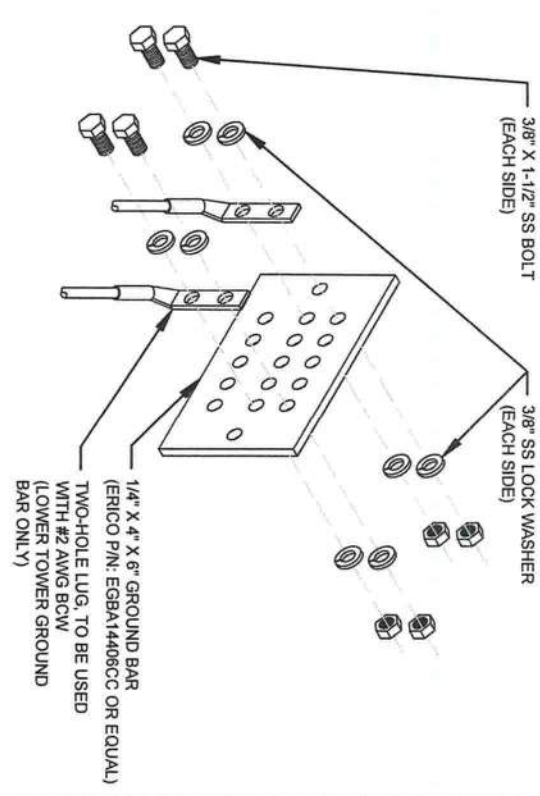
SCALE: N.T.S.



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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



- GROUND BAR NOTES:
- GROUND BAR KITS COME WITH ALL HARDWARE: NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBERS.
 - GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

ELECTRICAL NOTES:

- 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.
- ATC HAS NOT VERIFIED ANY EXISTING T-MOBILE GROUND EQUIPMENT OR ELECTRICAL LOADING. PROPOSED WORK BASED ON INSTALLATION CONFIGURATION PROVIDED BY T-MOBILE. CONTRACTOR TO VERIFY EXISTING T-MOBILE PANEL HAS SUFFICIENT SPACE FOR PROPOSED BREAKER. PROPOSED CABLE AND CONDUIT SHALL BE MINIMUM SIZE PER BELOW IN CHART.
- FOR SPECIFIC CABINET / ANCILLARY EQUIPMENT WIRING REQUIREMENTS, THE T-MOBILE CONTRACTOR SHOULD REFERENCE DESIGN DOCUMENTS PROVIDED BY T-MOBILE FOR THIS CURRENT PROJECT CONFIGURATION, IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS & NEC STANDARDS & PRACTICES.

OCPD SIZE	WIRE SIZE	GROUND SIZE	CONDUIT SIZE
80A/2P	2#3 AWG	#8 AWG	1-1/4"
100/2P	2#2 AWG	#8 AWG	1-1/4"
125A/2P	2#1 AWG	#8 AWG	1-1/2"
150A/2P	2#1/0 AWG	#8 AWG	1-1/2"

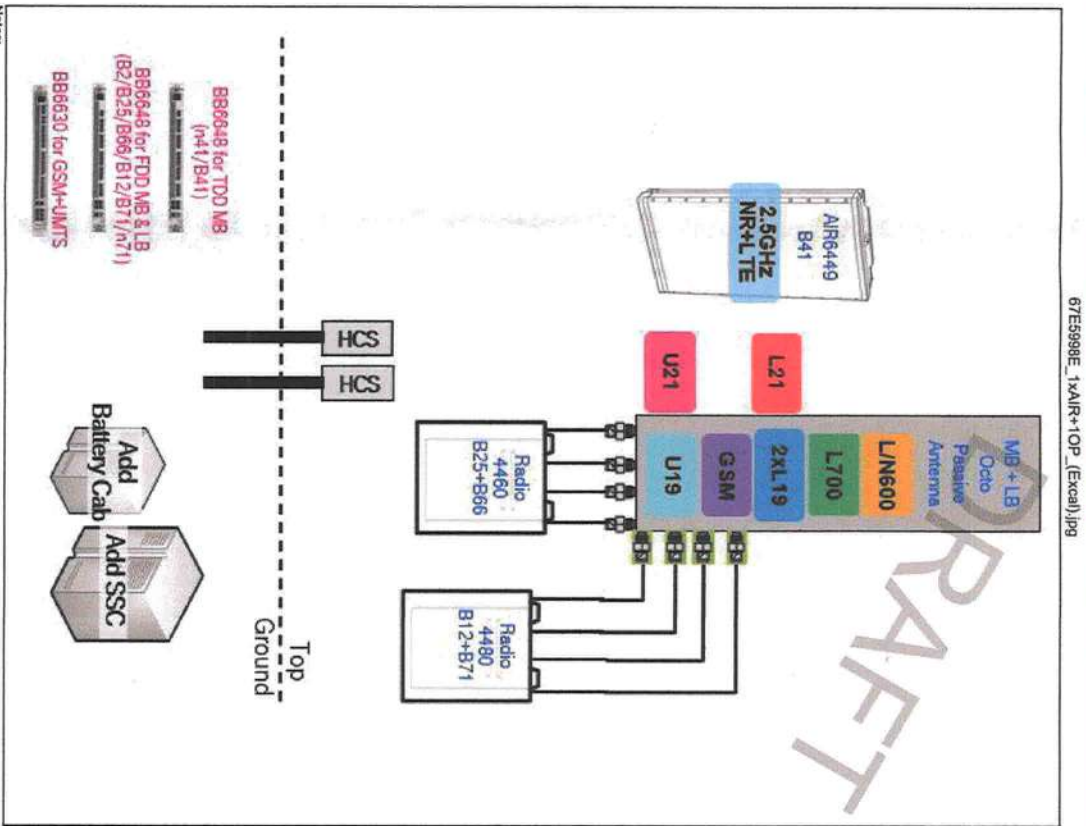
4 ELECTRICAL NOTES

Section 5 - RAN Equipment

Existing RAN Equipment		
Template: 67E598E 6160 (GSM on 6630)		
Enclosure	1	2
Enclosure Type	Enclosure 6160 AC V1	Ancillary Equipment (Epicsson)
Baseband	BB 6648 L700 L600 N600 L2100 L1900	BB 6630 U2100 G1900
Hybrid Cable System		Epicsson Hybrid Trunk 6724 4AWG 90m (x 2)
Transport System	CSR IXR6 V2 (Gen2)	PSU 4813 VR2A (K1)
Proposed RAN Equipment		
Template: 67E5D988E 6160 (GSM on 6630)		
Enclosure	1	2
Enclosure Type	Enclosure 6160 AC V1	B160
Baseband	RP 6651 L700 L600 N600 L2100 L1900	BB 6630 L2500 U2100 G1800
Hybrid Cable System	Epicsson Hybrid Trunk 6724 4AWG 90m (x 2)	PSU 4813 VR2A (K1)
Transport System	CSR IXR6 V2 (Gen2)	
RAN Scope of Work:		

1 CABINET CONFIGURATION

Section 3 - Proposed Template Images



2 ANTENNA CONFIGURATION

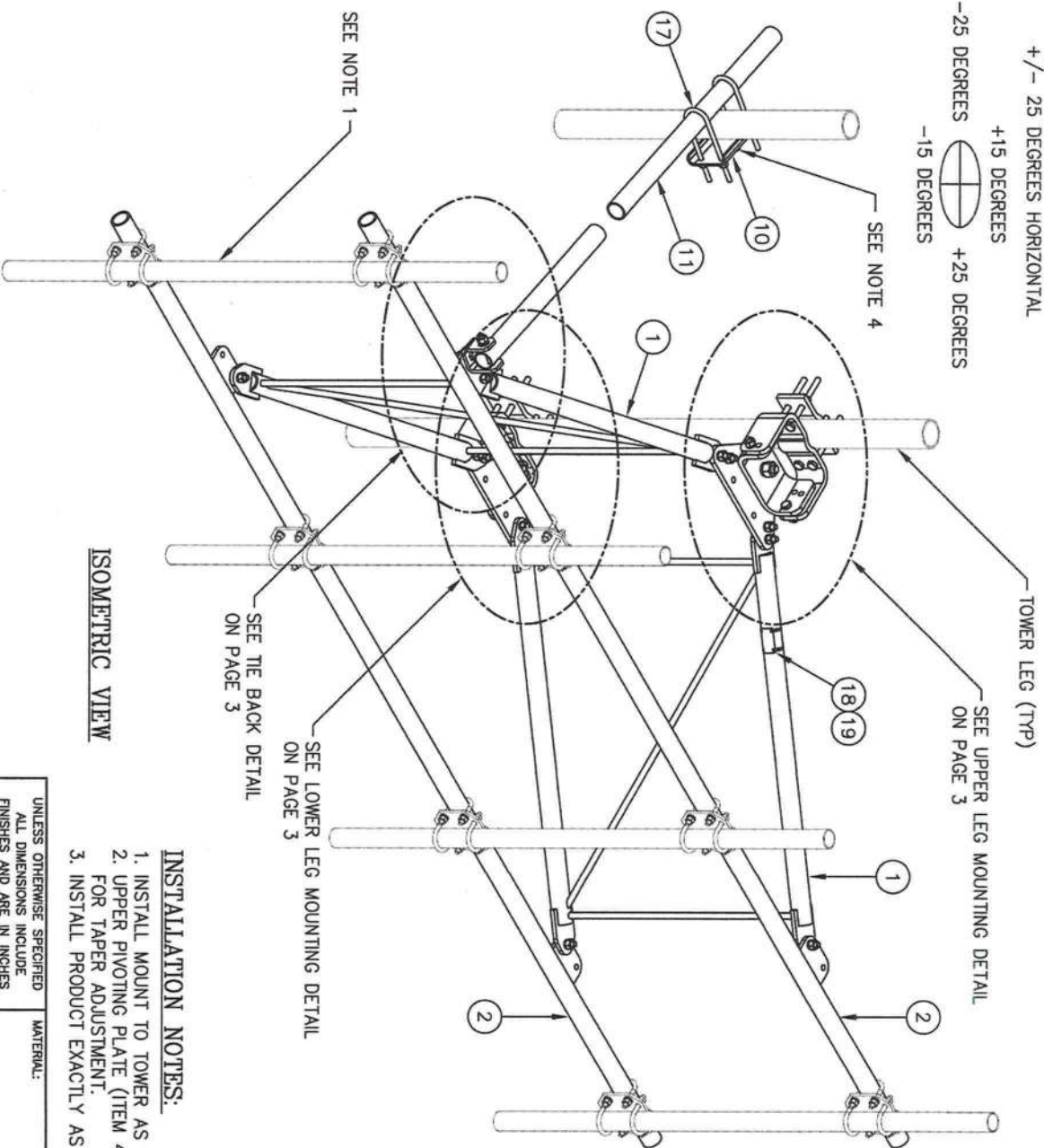
NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

TIEBACK ANGLE RANGE DETAIL

+/- 15 DEGREES VERTICAL
+/- 25 DEGREES HORIZONTAL

+15 DEGREES
-25 DEGREES
-15 DEGREES
+25 DEGREES



ISOMETRIC VIEW

NOTES:

1. MOUNTING PIPES & CROSSOVER PLATE KITS MUST BE PURCHASED SEPARATELY.
 2. QUANTITIES SHOWN IN LISTS OF MATERIAL ARE FOR ONE (1) V-BOOM ONLY.
 3. THIS V-BOOM WILL MOUNT TO THE FOLLOWING: 1 1/2" TO 5 9/16" ROUND LEG.
 4. TIEBACK MUST BE CONNECTED TO A RIGID MEMBER THAT PROVIDES ADEQUATE SUPPORT WITHIN THE LIMITS NOTED ABOVE IN THE TIEBACK ANGLE RANGE DETAIL.
- UNLESS APPROVED BY THE ENGINEER OF RECORD.

INSTALLATION NOTES:

1. INSTALL MOUNT TO TOWER AS SHOWN, SO THAT WELDED STANDOFF DIAGONAL IS SLOPING DOWNWARD FROM TOWER END TO FACE PIPE END.
2. UPPER PIVOTING PLATE (ITEM 4) HAS THREE HOLES ON EACH SIDE AND UPPER LEG CLAMP PLATE (ITEM 5) HAS TWO HOLES ON EACH SIDE FOR TAPER ADJUSTMENT.
3. INSTALL PRODUCT EXACTLY AS SHOWN IN DRAWING, WITH ALL BOLTS FACING UPWARDS.

PACKAGING NOTE

CK00386 INCLUDES ITEMS 1, 3, 4, 5, 6, 7, 12 & 15 (8 QTY)
CK00387 INCLUDES ITEMS 2, 8, 9, 10, 11, 13, 14, 15 (4 QTY), 16, 17, 18 & 19

C10857001C 12' HD V-BOOM ASSEMBLY W/TIEBACK				WEIGHT	
ITEM	QTY	PART NO.	DESCRIPTION		
1.	2	CW01222	WELDMENT, STANDOFF ARM	126	
2.	2	CW01223	WELDMENT, FACE PIPE	147	
3.	2	CS03109	PLATE, ROTATING	34	
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	CS00098	PLATE, TIE BACK SWIVEL	3	
10.	1	CS03285	PLATE, TIE BACK CLAMP	4	
11.	1	CS03333	PIPE, TIE BACK	38	
12.	2	C40026073	BOLT ASSEMBLY, 1 Ø X 3 A325	4	
13.	8	C40140004	BOLT ASSEMBLY, 5/8 Ø X 8 A307	13	
14.	1	C40026033	BOLT ASSEMBLY, 5/8 Ø X 4 1/2 A325	1	
15.	12	C40026025	BOLT ASSEMBLY, 5/8 Ø X 2 1/2 A325	6	
16.	5	C40026024	BOLT ASSEMBLY, 5/8 Ø X 2 1/4 A325	3	
17.	2	C40034183	U-BOLT ASSEMBLY, 1/2 Ø X 2 9/16 C-C	3	
18.	1	Z30992001	MOUNT CLASSIFICATION TAG C10857001C	1	
19.	2	C40062103	STAINLESS STEEL SELF-LOOKING CABLE TIE	1	
TOTAL WEIGHT				462	

UNLESS OTHERWISE SPECIFIED		MATERIAL:
ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		
TOLERANCES: FRACTIONS ± 1/16"		TOLERANCES DO NOT APPLY TO RAW MATERIAL
ANGLES ± 1/2 DEG.		
DECIMALS ± .010"		
REV	DATE	DESCRIPTION
1	01/21/16	KIE EX. REVISED NOTES & ADDED TIEBACK ANGLE RANGE DETAIL
2	02/05/16	PLW DEL. ADDED PACKAGING NOTE
3	10/19/16	KIE DEL. ADDED INSTALLATION NOTES

Sabre Industries
Towers and Poles

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12' HD V-BOOM ASSEMBLY W/TIEBACK (3' STANDOFF) W/NO ANTENNA MOUNTING PIPES				SIZE	DRAWING NO.	REV
				B	C10857001C	3
DATE	12/22/15	DRAWN BY	WRF	CHECKED BY	EK	PAGE 1 OF 3

1 MOUNT DETAIL

SUPPLEMENTAL

SHEET NUMBER: R-602
REVISION: 1