

VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: THOMAS ARP3 RAW LAND FL
 ATC SITE NUMBER: 417361
 T-MOBILE SITE NAME: 9JK1875 (USA)
 T-MOBILE SITE NUMBER: 9JK1875A
 SITE ADDRESS: 744 NW SPRADLEY ROAD
 LAKE CITY, FL 32055-5951

T-MOBILE MARKET SWAP COLOCATION PLAN
 4SEC-67E5998E_1XAIR+1OP CONFIGURATION

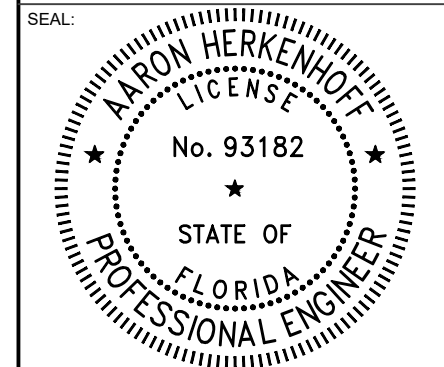


LOCATION MAP



REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	AJ	04/27/23

ATC SITE NUMBER:
417361
 ATC SITE NAME:
THOMAS ARP3 RAW LAND FL
 T-MOBILE SITE NAME:
9JK1875 (USA)
 SITE ADDRESS:
744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951




THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY AARON HERKENHOFF, PE, FL LICENSE # 93182 USING A DIGITAL SIGNATURE.
 PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

TITLE SHEET

SHEET NUMBER:
G-001
 REVISION:
0

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX					
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2020 FLORIDA BUILDING CODE, 7TH EDITION 2. ANSI/TIA-222-H 3. 7TH EDITION FLORIDA FIRE PREVENTION CODE (NFPA 70) 4. 2017 NATIONAL ELECTRICAL CODE 5. BASIC WIND SPEED: 117 MPH (3-SECOND GUST) 6. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 744 NW SPRADLEY ROAD LAKE CITY, FL 32055-5951 COUNTY: COLUMBIA <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 30.36625182 LONGITUDE: -82.62942479 GROUND ELEVATION: 115' AMSL	THE PROPOSED PROJECT INCLUDES INSTALLING EQUIPMENT CABINETS ON A PROPOSED CONCRETE PAD INSIDE A 10' X 15' GROUND SPACE WITHIN THE EXISTING COMPOUND, AND INSTALLING NEW EQUIPMENT AND MOUNTS ON THE EXISTING TOWER. <u>TOWER WORK:</u> INSTALL (8) ANTENNAS, (8) RRUS, (3) HYBRID CABLES, (3) SECTOR MOUNTS, AND (12) MOUNTING PIPES <u>GROUND WORK:</u> INSTALL COMPOUND EXPANSION, (1) 10' X 15' CONCRETE PAD, (1) H-FRAME, (1) PPC, (1) LED LUMINARE, (1) CIENA, (1) ENCLOSURE 6160 CABINET, (1) B160 BATTERY CABINET, (1) GPS ANTENNA, (1) ICE BRIDGE, (3) RP 6651, (3) PSU 4813 VR4A VOLTAGE BOOSTERS, AND (1) CSR IXRE V2 ROUTER	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:	
	<u>PROJECT TEAM</u> <u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> POWER OF DESIGN GROUP, LLC 11490 BLUEGRASS PKWY LOUISVILLE, KY 40299 <u>PROPERTY OWNER:</u> RONALD EDWIN NORRIS JR 744 NW SPRADLEY ROAD LAKE CITY, FL 32055	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).	G-001	TITLE SHEET	0	04/27/23	AJ	
	<u>UTILITY COMPANIES</u> POWER COMPANY: SVEC PHONE: (386) 362-2226 TELEPHONE COMPANY: AT&T PHONE: (866) 429-7222	<u>APPLICANT:</u> T-MOBILE 5901 BENJAMIN CENTER DRIVE, SUITE 110 A-B TAMPA, FL 33634	G-002	GENERAL NOTES	0	04/27/23	AJ	
		<u>PROJECT LOCATION DIRECTIONS</u> FROM I-10 TAKE EXIT 303 ONTO US-441.2 MILES KEEP LEFT TOWARD FRAGO500 FT TURN LEFT ONTO N US HIGHWAY 4428.8 MILES TURN LET ONTO SPRADLEY RD.6 MILES ACCESS ROAD ON LEFT	V-101	OVERALL SITE PLAN				
			V-102	OVERALL SITE PLAN				
			C-101	DETAILED SITE PLAN	0	04/27/23	AJ	
			C-102	DETAILED EQUIPMENT PLAN	0	04/27/23	AJ	
			C-201	TOWER ELEVATION	0	04/27/23	AJ	
			C-401	ANTENNA INFORMATION & SCHEDULE	0	04/27/23	AJ	
			C-501	MOUNT DETAILS	0	04/27/23	AJ	
			C-502	CONSTRUCTION DETAILS	0	04/27/23	AJ	
			C-503	CONSTRUCTION DETAILS	0	04/27/23	AJ	
			C-504	CIVIL DETAILS	0	04/27/23	AJ	
E-101	GROUNDING DETAILS	0	04/27/23	AJ				
E-501	GROUNDING DETAILS	0	04/27/23	AJ				
E-601	PANEL SCHEDULE & ONE-LINE DIAGRAM	0	04/27/23	AJ				
R-601	SUPPLEMENTAL							
R-602	SUPPLEMENTAL							
R-603	SUPPLEMENTAL							
R-604	SUPPLEMENTAL							
R-605	SUPPLEMENTAL							
R-606	SUPPLEMENTAL							
R-607	SUPPLEMENTAL							
R-608	SUPPLEMENTAL							
R-609	SUPPLEMENTAL							
R-610	SUPPLEMENTAL							
R-611	SUPPLEMENTAL							

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PROJECT SUMMARY

FIELD SURVEY DATE: 11-27-15
 SITE ADDRESS: 744 NW, SPRADLEY ROAD, LAKE CITY, FL.
 PARCEL INFORMATION
 OWNER: JOSEPH E. NORRIS AND M. CHRISTINE NORRIS, TRUSTEES
 TAX PARCEL NO.: 32-15-17-04619-000
 TOTAL AREAS:
 PARENT PARCEL: 59.97 ACRES
 LEASE AREA: 116,916 SQ.FT. OR 2.68 ACRES
 ACCESS EASEMENT: 14,333 SQ.FT. OR 0.33 ACRES
 UTILITY EASEMENT: 1,852 SQ.FT. OR 0.04 ACRES
 GEOGRAPHIC COORDINATES OF TOWER:
 LATITUDE: 30°21'58.44" N LONGITUDE: 82°37'45.87" W
 VERTICAL DATUM: NAVD 1988 HORIZONTAL DATUM: NAD83
 GROUND ELEVATION: 116.64'
 BEARINGS ARE BASED ON FLORIDA STATE PLANE COORDINATES, NORTH ZONE.
 FLOODPLAIN:
 PER THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X.
 COMMUNITY PANEL NO.: 12022CD182C DATED: 02-04-09
 BOUNDARY NOTE:
 THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PARENT TRACT. ANY PARENT TRACT PROPERTY LINES SHOWN HEREON ARE FROM SUPPLIED INFORMATION AND MAY NOT BE FIELD VERIFIED.
 ENCROACHMENT STATEMENT
 NONE AT TIME OF SURVEY.

SURVEYOR'S NOTES

- THERE IS ACCESS TO THE SUBJECT PROPERTY VIA NW, SPRADLEY ROAD, A PUBLIC RIGHT OF WAY.
- THE LOCATIONS OF ALL UTILITIES SHOWN ON THE SURVEY ARE FROM VISIBLE SURFACE EVIDENCE ONLY.
- AT THE TIME OF THIS SURVEY THERE WAS NO OBSERVABLE SURFACE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.
- AT THE TIME OF THIS SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF THE SUBJECT PROPERTY BEING USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.
- AT THE TIME OF THIS SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF ANY RECENT CHANGES IN STREET RIGHT-OF-WAY LINES EITHER COMPLETED OR PROPOSED, AND AVAILABLE FROM THE CONTROLLING JURISDICTION.
- AT THE TIME OF THIS SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF ANY RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
- THIS SURVEY WAS PREPARED TO SHOW THE INTERESTS OF AMERICAN TOWER CORPORATION AND IMPROVEMENTS PROXIMAL TO SAID INTERESTS. IT DOES NOT CONSTITUTE AN ALTA SURVEY OF THE ENTIRE PARENT PARCEL.
- ALL BEARINGS AND DISTANCES ARE MEASURED UNLESS OTHERWISE NOTED.

ZONING INFORMATION

ZONE: A(AGRICULTURE)
 SETBACKS: REQUIRED:
 FRONT: 30'
 SIDE: 25'
 REAR: 25'
 HEIGHT: NONE
 BULK: NONE
 *ALL SITE RESTRICTIONS WERE OBTAINED FROM THE LOCAL MUNICIPALITY.

LEGAL DESCRIPTION

PARENT PARCEL - AS PROVIDED:
 PROPERTY LOCATED IN COLUMBIA, FL
 THE FOLLOWING DESCRIBED LAND, SITUATE, LYING AND BEING IN COLUMBIA COUNTY, FLORIDA, TO-WIT:
 PARCEL 2:
 THE W 1/2 OF THE NE 1/4 OF THE NE 1/4 OF THE SE 1/4 OF THE NE 1/4; AND THE N 1/2 OF THE SW 1/4 OF THE NE 1/4, ALL IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST COLUMBIA COUNTY, FLORIDA;
 LESS AND EXCEPT:
 TOWNSHIP 1 SOUTH, RANGE 17 EAST, SECTION 32: THE NORTH 20 FEET OF THE NE 1/4 OF THE NE 1/4, AS LIES WEST OF SPRADLEY ROAD, A PAVED COUNTY ROAD, BEING PART OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA;
 AND LESS AND EXCEPT:
 THE S 1/2 OF THE W 1/2 OF THE SE 1/4 OF THE NE 1/4 IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST.
 PARCEL 3:
 THE NE 1/4 OF THE SE 1/4 OF THE NW 1/4, IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST.
 AND BEING A PORTION OF THE SAME PROPERTY CONVEYED TO JOSEPH E. NORRIS AND M. CHRISTINE NORRIS, AS CO-TRUSTEES OF THE EDWARD AND CHRISTINE NORRIS REVOCABLE TRUST, DATED JULY 18, 2014 FROM CHRISTINE AND EDWARD NORRIS BY SPECIAL WARRANTY DEED DATED JULY 18, 2014 AND RECORDED OCTOBER 21, 2014 IN DEED BOOK 1283, PAGE 697.
 TAX PARCEL NO. 32-15-17-04619-009
LEASE AREA - AS SURVEYED:
 A TRACT OF LAND OUT OF THE W 1/2 OF THE NE 1/4 OF THE NE 1/4 IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCE AT A FOUND 3/4" IRON ROD AT THE NORTHWEST CORNER OF THE NE 1/4 OF THE NE 1/4 OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST; THENCE S 17°02'48" E, A DISTANCE OF 247.04' TO A CALCULATED POINT; THENCE S 70°02'39" E, A DISTANCE OF 519.62' TO A CALCULATED POINT; THENCE S 49°57'21" W, A DISTANCE OF 519.62' TO A CALCULATED POINT; THENCE N 10°02'39" W, A DISTANCE OF 519.62' TO THE POINT OF BEGINNING. CONTAINING 116,916 SQ.FT. OR 2.68 ACRES OF LAND MORE OR LESS.
ACCESS EASEMENT - AS SURVEYED:
 A 30' ACCESS EASEMENT OUT OF THE W 1/2 OF THE NE 1/4 OF THE NE 1/4 IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, THE CENTERLINE OF SAID ACCESS EASEMENT BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCE AT A FOUND 3/4" IRON ROD AT THE NORTHWEST CORNER OF THE NE 1/4 OF THE NE 1/4 OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST; THENCE S 01°47'10" E, A DISTANCE OF 510.29' TO A CALCULATED POINT; THENCE N 79°57'21" E, A DISTANCE OF 88.41' TO THE POINT OF BEGINNING; THENCE N 10°02'39" W, A DISTANCE OF 260.07' TO A CALCULATED POINT; THENCE N 08°03'58" W, A DISTANCE OF APPROXIMATELY 183.82' TO THE POINT OF TERMINATION ON THE SOUTH RIGHT OF WAY LINE OF SPRADLEY ROAD, A MAINTAINED PUBLIC RIGHT-OF-WAY, THE SIDELINES OF SAID EASEMENT TO BE SHORTENED AND LENGTHENED TO END ON SAID RIGHT-OF-WAY, CONTAINING 14,333 SQ.FT. OR 0.33 ACRES OF LAND MORE OR LESS.
UTILITY EASEMENT - AS SURVEYED:
 A TRACT OF LAND OUT OF THE W 1/2 OF THE NE 1/4 OF THE NE 1/4 IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCE AT A FOUND 3/4" IRON ROD AT THE NORTHWEST CORNER OF THE NE 1/4 OF THE NE 1/4 OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 17 EAST; THENCE S 17°02'48" E, A DISTANCE OF 247.04' TO A CALCULATED POINT; THENCE S 70°02'39" E, A DISTANCE OF 236.01' TO THE POINT OF BEGINNING; THENCE N 10°02'39" W, A DISTANCE OF 105.19' TO THE POINT OF TERMINATION ON THE SOUTH RIGHT OF WAY LINE OF SPRADLEY ROAD, A MAINTAINED PUBLIC RIGHT-OF-WAY, CONTAINING 1,852 SQ.FT. OR 0.04 ACRES OF LAND MORE OR LESS.

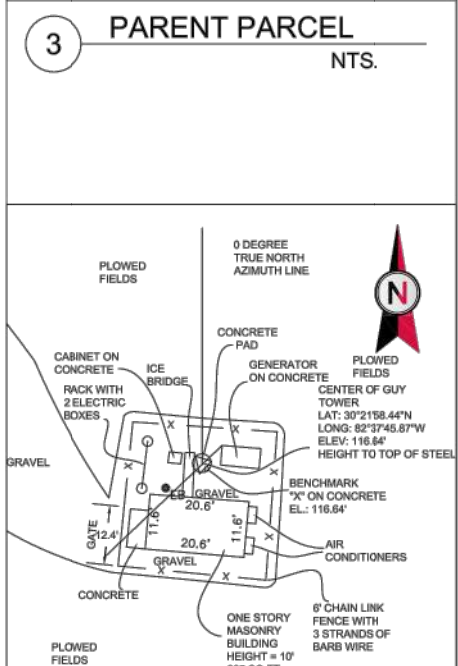
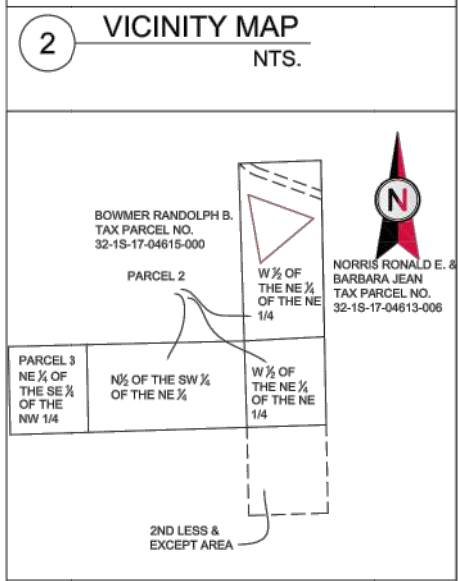
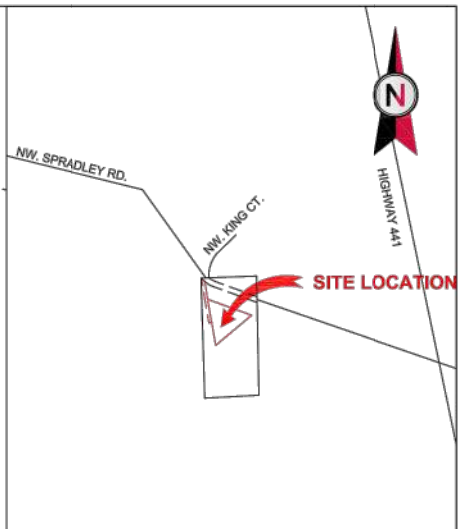
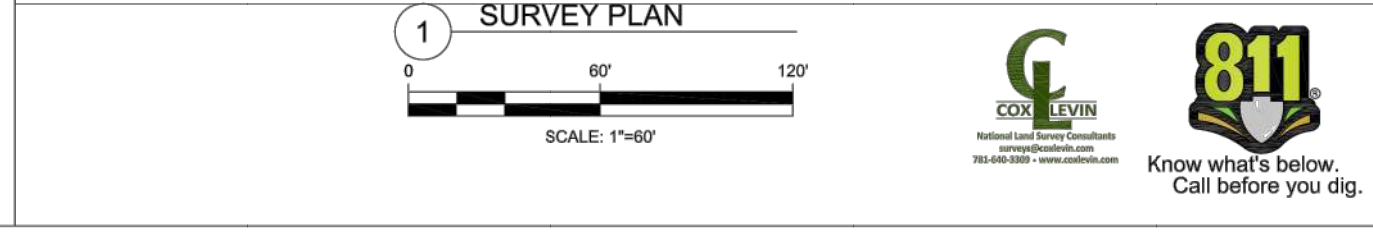
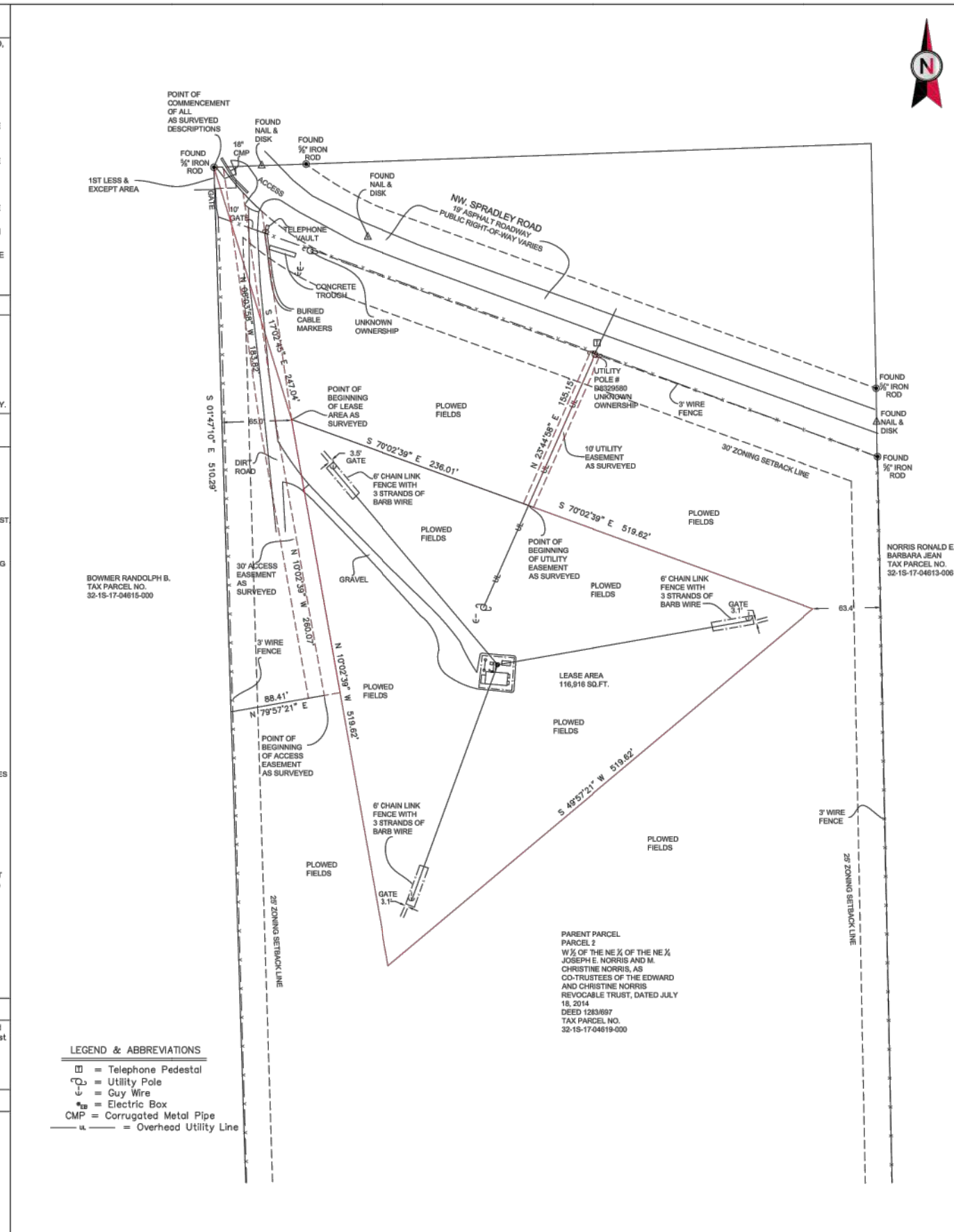
1A STATEMENT

I certify that the latitude 30° - 21' - 58.44" and the longitude of 82° - 37' - 45.87" are accurate to within +/- 15" horizontally, and that the site elevation of 116.64' AMSL is accurate to within +/- 3' foot vertically. The height of the structure 293.89' AGL. The highest point/appearance 302.76' AGL. The horizontal datum (coordinates are in terms of NAD83 and are expressed as degrees, minutes and seconds, to the nearest hundredth of a second. The vertical datum (heights) are in terms of the NAVD83 and are determined to the nearest foot.

NOTES CORRESPONDING TO TITLE REPORT

THE TITLE REPORT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ORDER NO. 21842734 WITH A SEARCH-THROUGH DATE OF 10-27-2015 CONTAINS THE FOLLOWS SURVEY RELATED ITEMS.

- Right of Way Easement
 In favor of: Suwannee Valley Electric Cooperative, Inc., a non-profit membership corporation
 Recorded in: Deed Book 0668, Page 0989
 DOES NOT APPLY OR AFFECT LEASE AREA.
- Right of Way Easement
 In favor of: Suwannee Valley Electric Cooperative, Inc., a non-profit membership corporation
 Dated: 02/04/1995
 Recorded on: 01/22/1999
 Recorded in: Deed Book 0873, Page 0735
 DOES NOT APPLY OR AFFECT LEASE AREA.
- Right of Way Easement
 In favor of: Suwannee Valley Electric Cooperative, Inc., a non-profit membership corporation
 Dated: 03/07/2005
 Recorded on: 05/16/2005
 Recorded in: Deed Book 1046, Page 792
 DOES NOT APPLY OR AFFECT LEASE AREA.
- Memorandum of Lease:
 Dated: 01/05/2005
 Landlord: Christine Norris and Edward Norris, as Landlord/Lessor
 Tenant: ALLTEL Communications, Inc., a Delaware corporation, as Tenant/Lessee
 Recorded on: 09/16/2005
 Recorded in: Deed Book 1058, Page 1419
 APPLIES AND AFFECTS SUBJECT PROPERTY, NO SURVEY MATTERS TO PLOT.



AMERICAN TOWER®
ATC TOWER SERVICES, INC.
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 FAX: (919) 466-5415

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE ARE THE EXCLUSIVE PROPERTY OF AMERICAN TOWER. THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. TITLE TO THESE DOCUMENTS SHALL REMAIN THE PROPERTY OF AMERICAN TOWER WHETHER OR NOT THE PROJECT IS EXECUTED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION ON FILE WITH AMERICAN TOWER.

REV.	DESCRIPTION	BY	DATE
1	PRELIM	ECS	12-03-15
2	COMMENTS	ECS	01-11-16

ATC SITE NUMBER:
417361

ATC SITE NAME:
**THOMAS ARP3
 RAW LAND FL**

SITE ADDRESS:
 744 NW, SPRADLEY RD.
 LAKE CITY, FL.

SURVEY CERTIFICATE:
 TO AMERICAN TOWER CORPORATION AND FIDELITY NATIONAL TITLE INSURANCE COMPANY: THIS IS TO CERTIFY THAT EARL STROM AT THE REQUEST AND FOR THE EXCLUSIVE USE OF AMERICAN TOWER CORP. HAS PERFORMED THIS AS-BUILT SURVEY OF THE LEASE AREA, FROM THE RECORD SOURCES AND ACTUAL FIELD SURVEY ON 11-27-15 IN ACCORDANCE WITH THE MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS. ALL LINEAR AND ANGULAR VALUES SHOWN ARE BASED UPON DEED OR RECORD INFORMATION UNLESS OTHERWISE NOTED.
 DATE OF PLAT OR MAP: 12-03-15
 (SIGNED) NAME: *Earl N. Strom*
 REGISTERED LAND SURVEYOR
 FLORIDA
 No. 4482

SURVEY LOGO:
CSSI
 Commercial Surveying Specialists, Inc.
 357 8th Avenue West
 Bradenton, FL 34205
 (406) 202-3001

DRAWN BY:	ECS
APPROVED BY:	ENS
DATE DRAWN:	12-03-15
ATC JOB NO:	417361

TITLE AND BOUNDARY PLAN

SHEET NUMBER: **V-101**

REVISION: **2**

PROJECT SUMMARY

FIELD SURVEY DATE: 11-27-15
 SITE ADDRESS: 744 NW, SPRADLEY ROAD, LAKE CITY, FL.
 PARCEL INFORMATION
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 TAX PARCEL NO.: 32-15-17-04619-000

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BEARINGS ARE BASED ON FLORIDA STATE PLANE COORDINATES, NORTH ZONE.

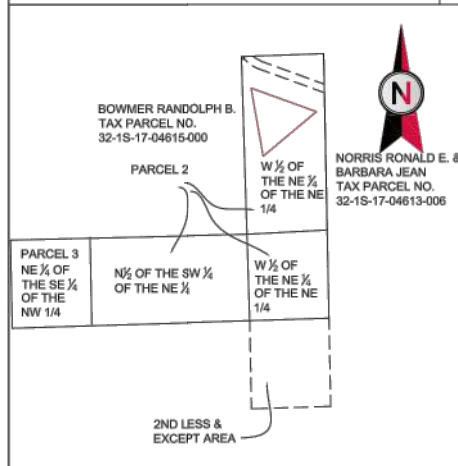
FLOODPLAIN:
 PER THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X.
 COMMUNITY PANEL NO.: 12023C0182C DATED: 02-04-09

BOUNDARY NOTE:
 THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PARENT TRACT. ANY PARENT TRACT PROPERTY LINES SHOWN HEREON ARE FROM SUPPLIED INFORMATION AND MAY NOT BE FIELD VERIFIED.

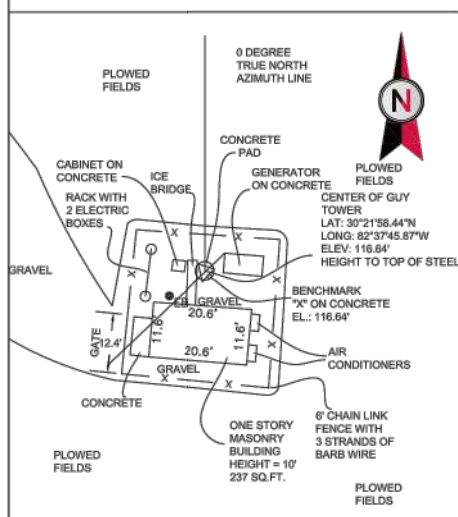
ENCROACHMENT STATEMENT
 NONE AT TIME OF SURVEY.

ZONING INFORMATION

ZONE: A(AGRICULTURE)
 SETBACKS: REQUIRED:
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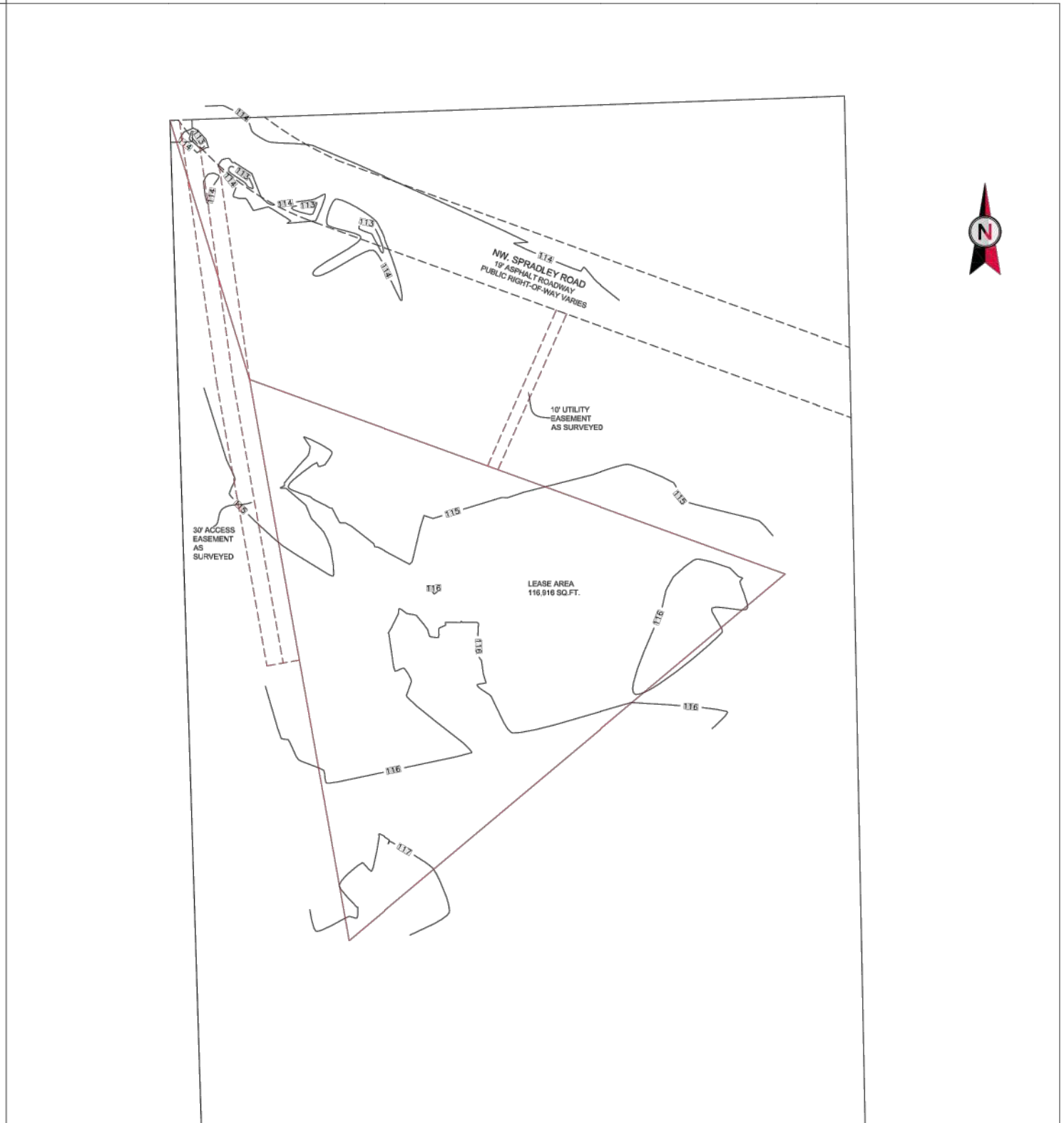
1 PARENT PARCEL
 NTS.



2 COMPOUND DETAIL

0 20' 40'

SCALE: 1"=20'



3 EXISTING CONDITIONS PLAN

0 60' 120'

SCALE: 1"=60'

Work Coordinated By:

COX LEVIN
 National Land Survey Consultants
 surveys@coxlevin.com
 781-440-9309 • www.coxlevin.com

AMERICAN TOWER®
ATC TOWER SERVICES, INC.
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 FAX: (919) 468-5415

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1	PRELIM	ECS	12-03-15
2	COMMENTS	ECS	01-11-16

ATC SITE NUMBER:
417361

ATC SITE NAME:
THOMAS ARP3
RAW LAND FL

SITE ADDRESS:
 744 NW, SPRADLEY RD.
 LAKE CITY, FL.

SURVEY CERTIFICATE:
 TO AMERICAN TOWER CORPORATION AND FIDELITY NATIONAL TITLE INSURANCE COMPANY: THIS IS TO CERTIFY THAT EARL STROM AT THE REQUEST AND FOR THE EXCLUSIVE USE OF AMERICAN TOWER CORP.; HAS PERFORMED THIS AS-BUILT SURVEY OF THE LEASE AREA, FROM THE RECORD SOURCES AND ACTUAL FIELD SURVEY ON 11-27-15 IN ACCORDANCE WITH THE MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS. ALL LINEAR AND ANGULAR VALUES SHOWN ARE BASED UPON DEED OR RECORD INFORMATION UNLESS OTHERWISE NOTED.
 DATE OF PLAT OR MAP: 12-03-15

(SIGNED) NAME: *Earl M. Strom*

SURVEY LOGO:

CSSI
 Commercial Surveying Specialists, Inc.
 357 8th Avenue West
 Bradenton, FL 34205
 (405) 202-3001

DRAWN BY:	ECS
APPROVED BY:	ENS
DATE DRAWN:	12-03-15
ATC JOB NO:	417361

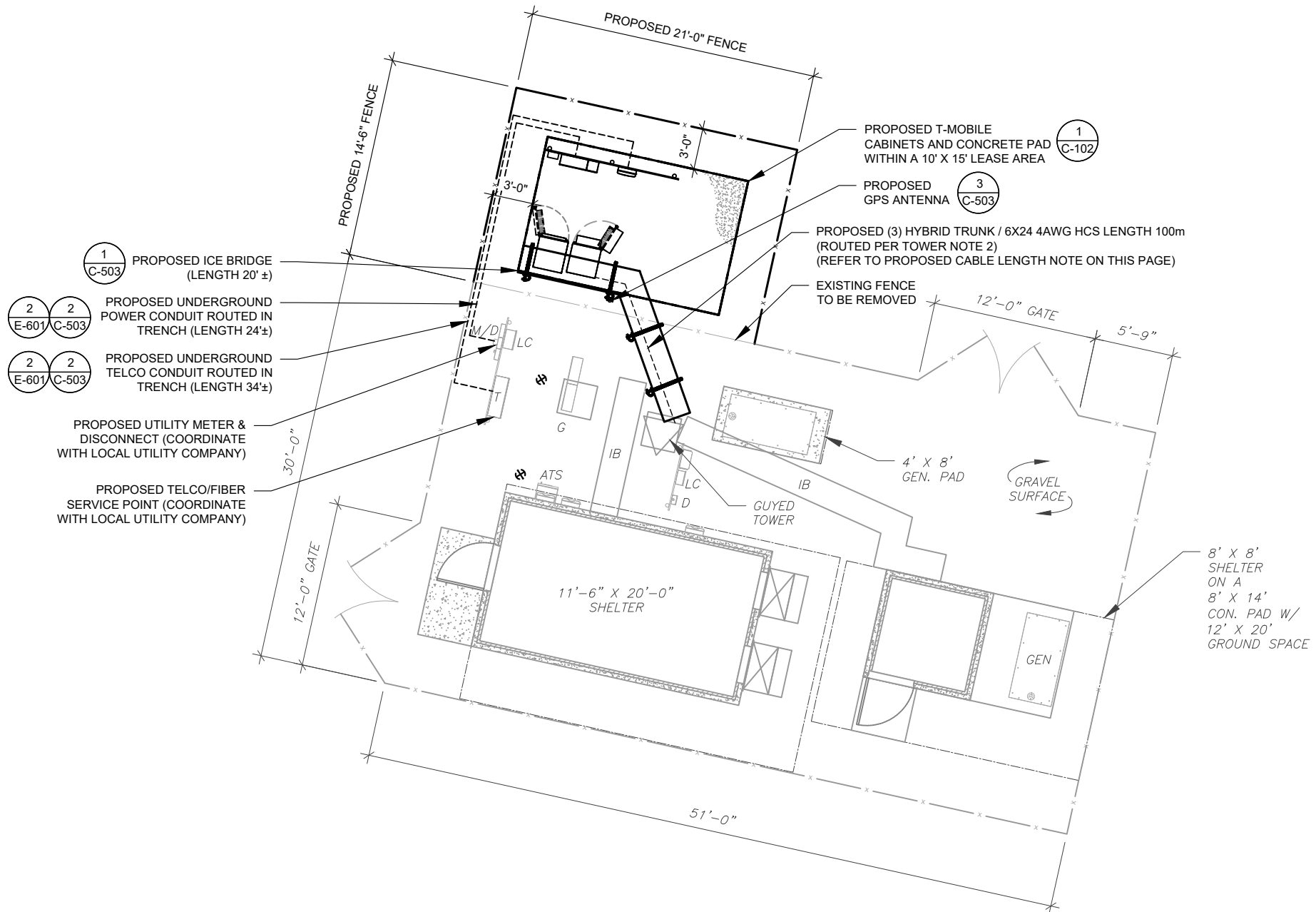
EXISTING CONDITIONS & TOPOGRAPHY PLAN

SHEET NUMBER:	REVISION:
V-102	2

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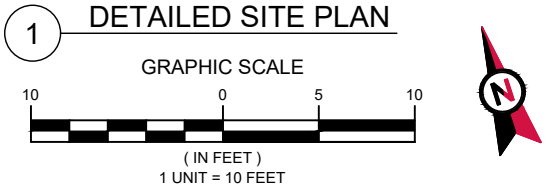
SITE PLAN NOTES:

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



LEGEND	
⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR 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
— x —	CHAINLINK FENCE

- PROPOSED CABLE LENGTH:**
- ESTIMATED LENGTH OF PROPOSED CABLE IS **100m**. 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).



AMERICAN TOWER®

POD
POWER OF DESIGN

11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	AJ	04/27/23

ATC SITE NUMBER:
417361

ATC SITE NAME:
THOMAS ARP3 RAW LAND FL

T-MOBILE SITE NAME:
9JK1875 (USA)

SITE ADDRESS:
744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951

SEAL:

AARON HERKENHOFF
LICENSE
No. 93182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

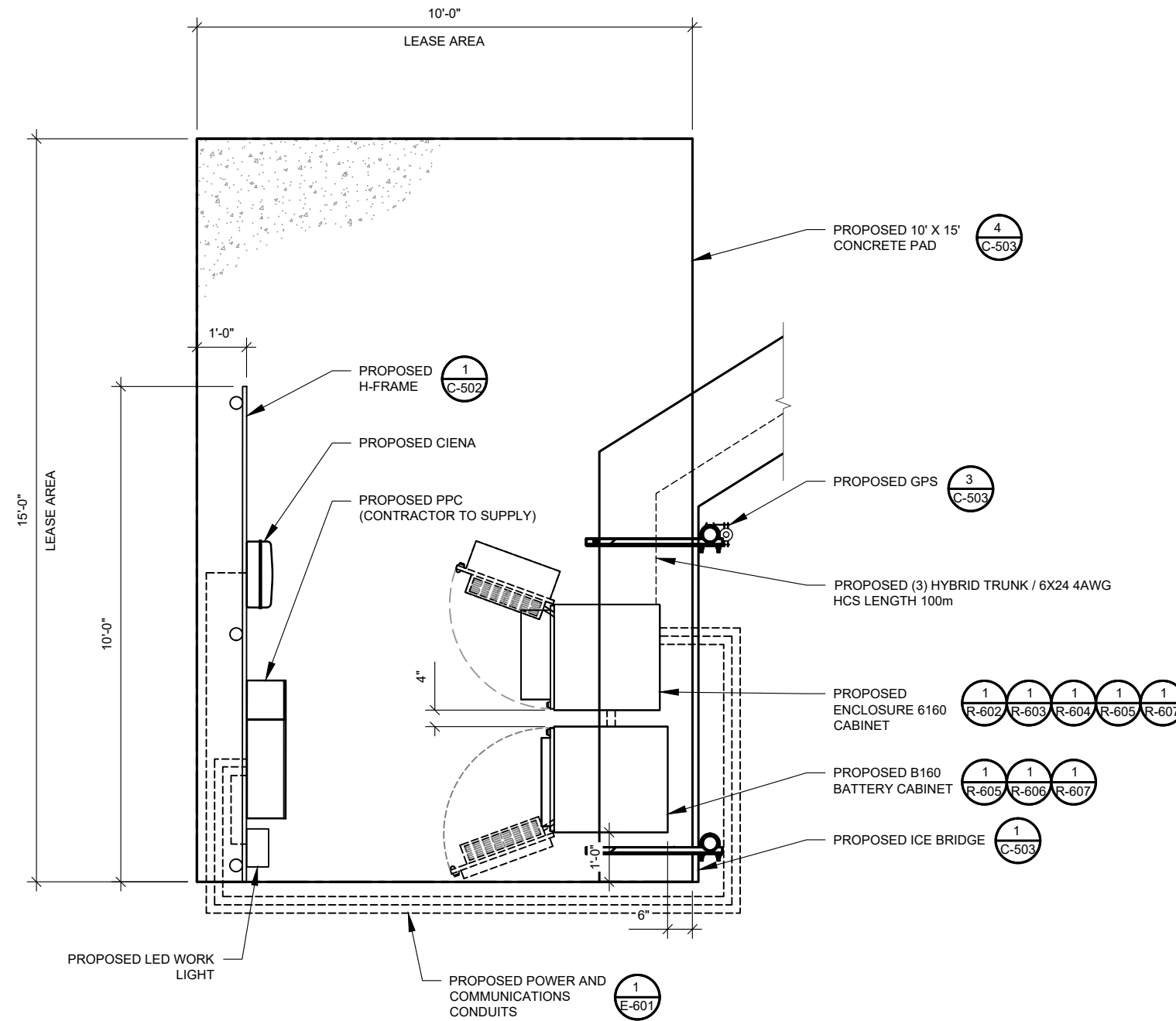
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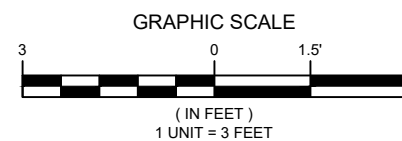
DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

DETAILED SITE PLAN

SHEET NUMBER: C-101	REVISION: 0
-------------------------------	-----------------------



1 PROPOSED GROUND EQUIPMENT LAYOUT



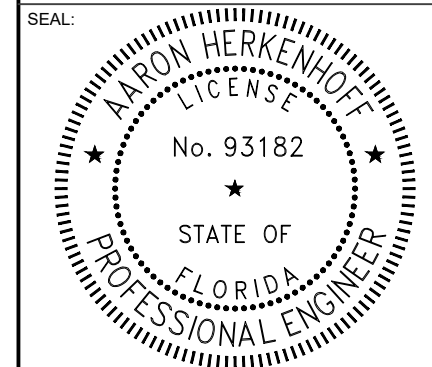
REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	AJ	04/27/23

ATC SITE NUMBER:
417361

ATC SITE NAME:
THOMAS ARP3 RAW LAND FL

T-MOBILE SITE NAME:
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SITE ADDRESS:
744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951



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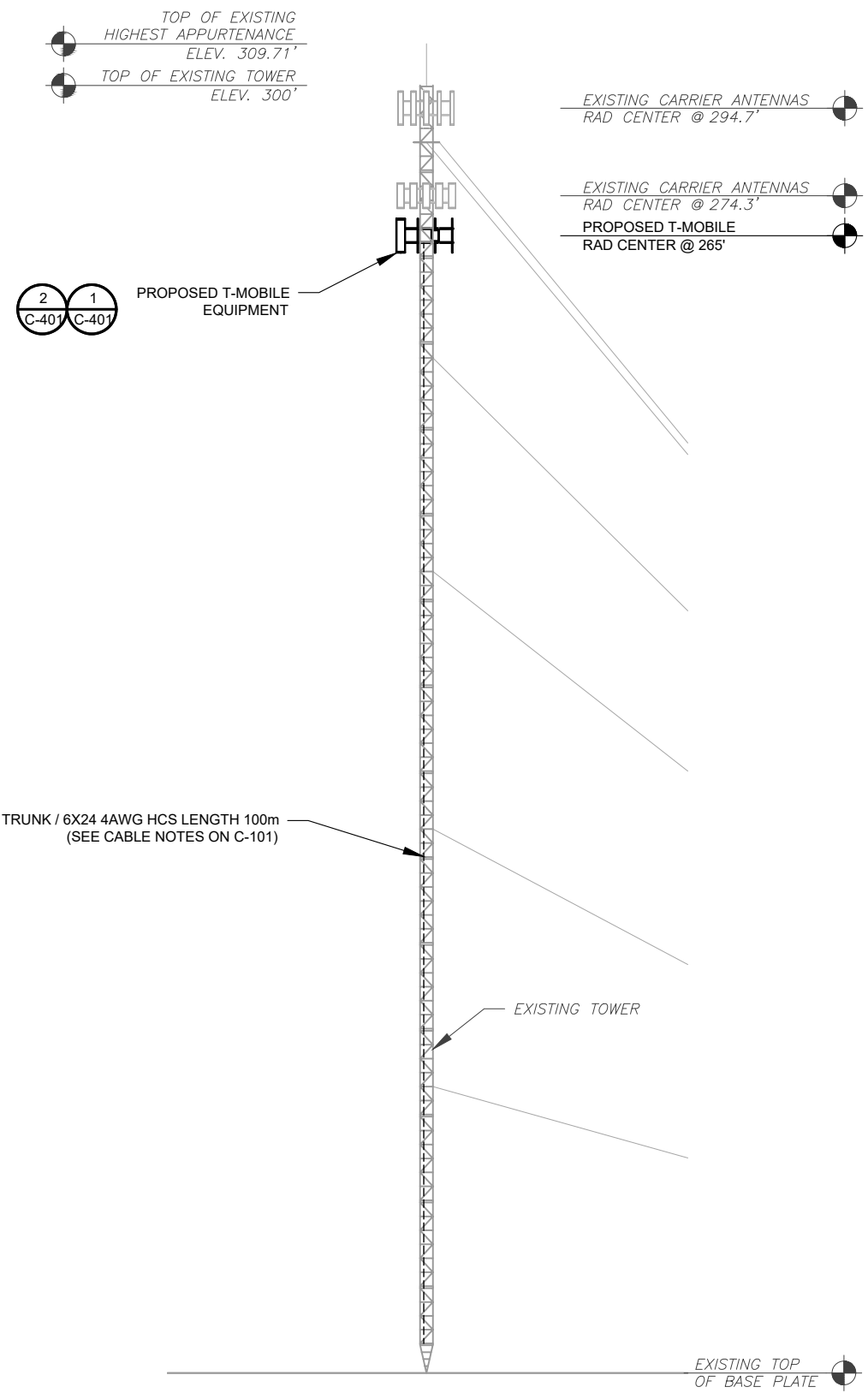


DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

DETAILED EQUIPMENT PLAN

SHEET NUMBER:	REVISION:
C-102	0

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PER MOUNT ANALYSIS COMPLETED BY AMERICAN TOWER CORPORATION, DATED MARCH 30, 2023, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

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

1 TOWER ELEVATION
SCALE: N.T.S.



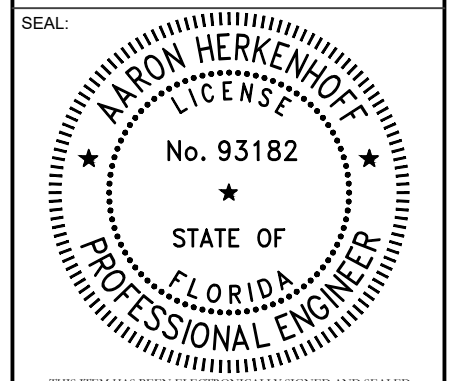
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SITE ADDRESS:
744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951



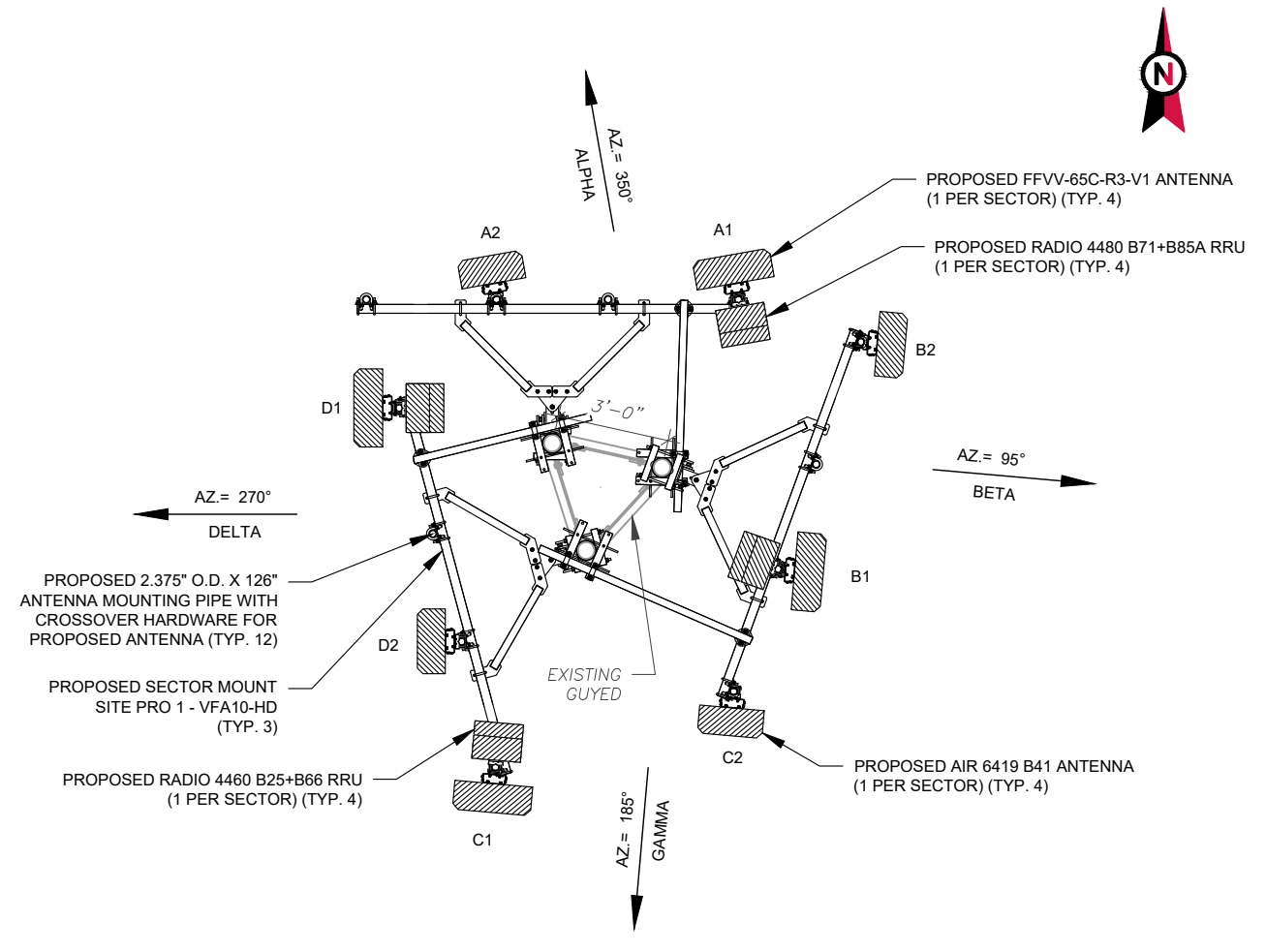
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ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

TOWER ELEVATION	
SHEET NUMBER: C-201	REVISION: 0

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PER MOUNT ANALYSIS COMPLETED BY AMERICAN TOWER CORPORATION, DATED MARCH 30, 2023, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



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

FINAL ANTENNA/ COAX SCHEDULE						
SECTOR	ANT.	MODEL #	RAD CENTER	AZIMUTH	ADDITIONAL TOWER MOUNTED EQUIPMENT	CABLE DESCRIPTION
ALPHA	A1	FFVV-65C-R3-V1	265'	350°	RADIO 4480 B71+B85A RADIO 4460 B25+B66	(3) HYBRID TRUNK / 6X24 4AWG HCS LENGTH 100m
ALPHA	A2	AIR 6419 B41	265'	350°	-	
BETA	B1	FFVV-65C-R3-V1	265'	95°	RADIO 4480 B71+B85A RADIO 4460 B25+B66	
BETA	B2	AIR 6419 B41	265'	95°	-	
GAMMA	C1	FFVV-65C-R3-V1	265'	185°	RADIO 4480 B71+B85A RADIO 4460 B25+B66	
GAMMA	C2	AIR 6419 B41	265'	185°	-	
DELTA	D1	FFVV-65C-R3-V1	265'	270°	RADIO 4480 B71+B85A RADIO 4460 B25+B66	
DELTA	D2	AIR 6419 B41	265'	270°	-	

- CONFIRM WITH CARRIER REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS.
- ALL PROPOSED EQUIPMENT INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH THE ATC CM.
- SPACING OF PROPOSED EQUIPMENT SHALL BE CONFIRMED FOR TOWER CONFLICTS AND PROPOSED MOUNTS SHALL NOT IMPEDE TOWER CLIMBING PEGS.

2 ANTENNA SCHEDULE

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

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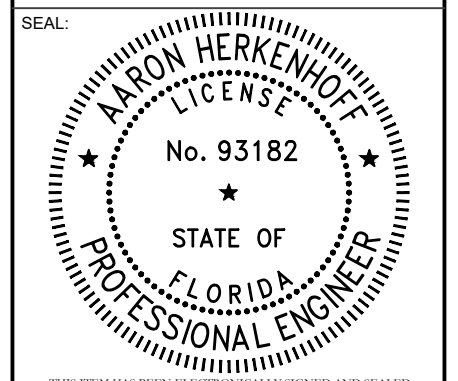
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LAKE CITY, FL 32055-5951



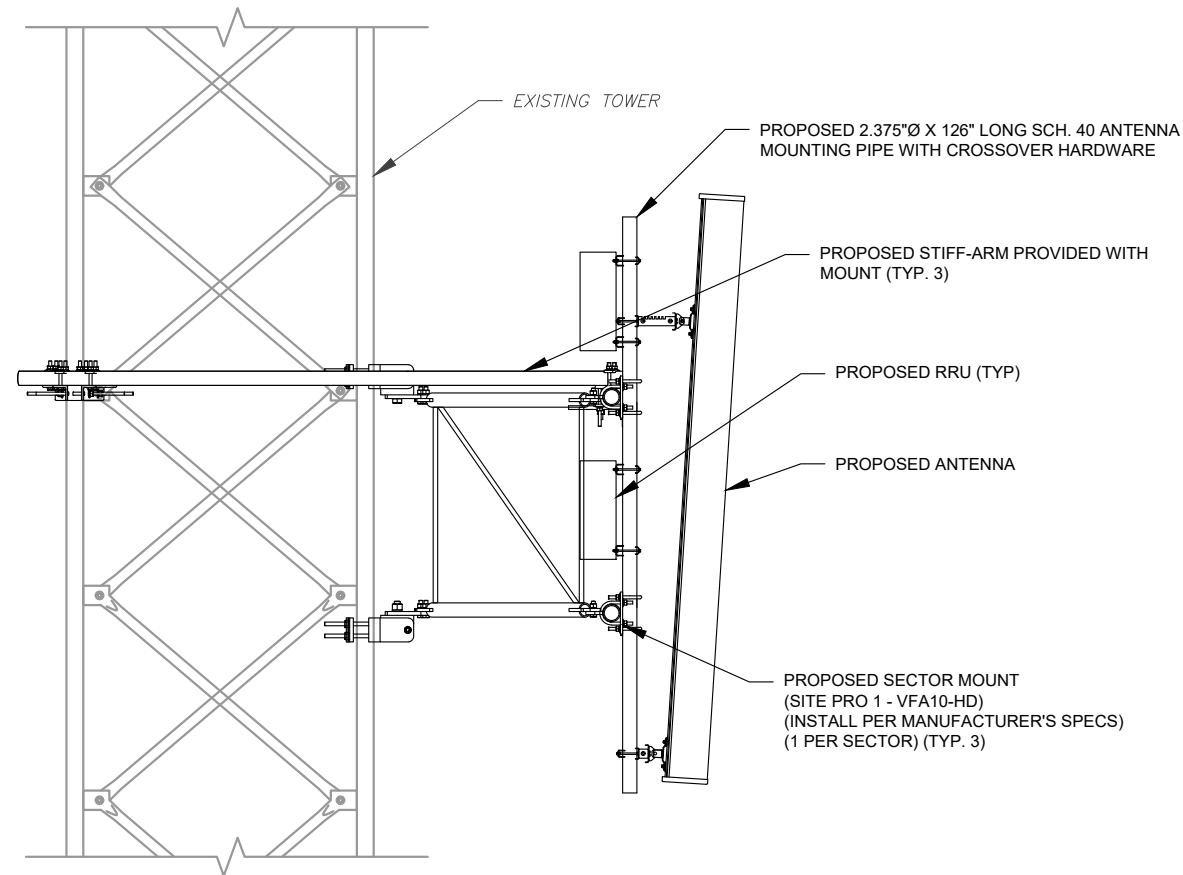
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CUSTOMER #:	9JK1875A

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0



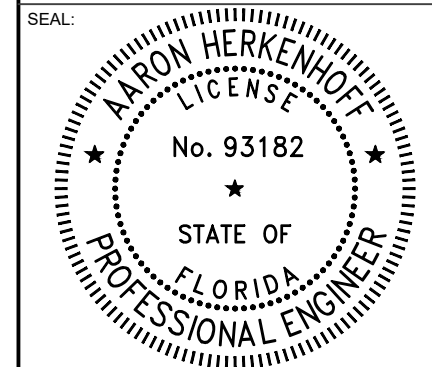
1 PROPOSED ANTENNA MOUNTING DETAIL (ELEVATION)
SCALE: NOT TO SCALE



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LAKE CITY, FL 32055-5951



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ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

MOUNT DETAILS

SHEET NUMBER:	REVISION:
C-501	0



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502-437-5252

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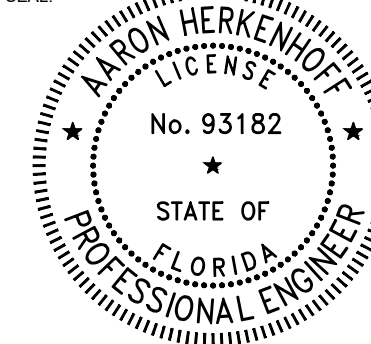
ATC SITE NUMBER:
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THOMAS ARP3 RAW LAND FL

T-MOBILE SITE NAME:
9JK1875 (USA)

SITE ADDRESS:
744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951

SEAL:



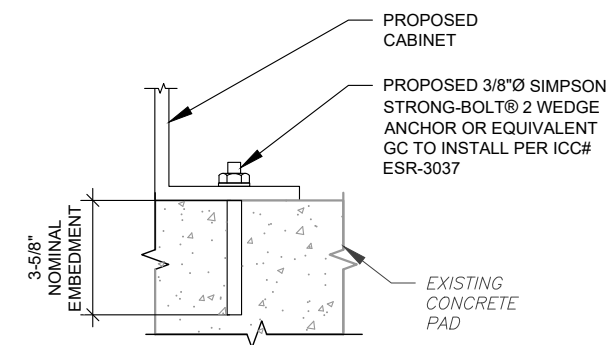
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ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

**CONSTRUCTION
DETAILS**

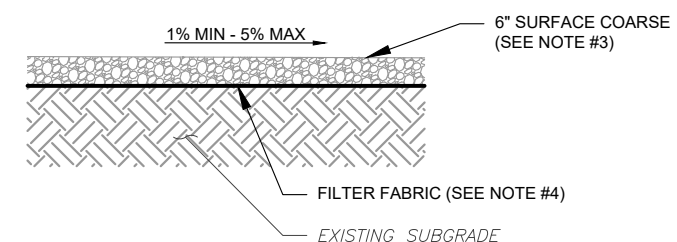
SHEET NUMBER:	REVISION:
C-502	0



NOTE:

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

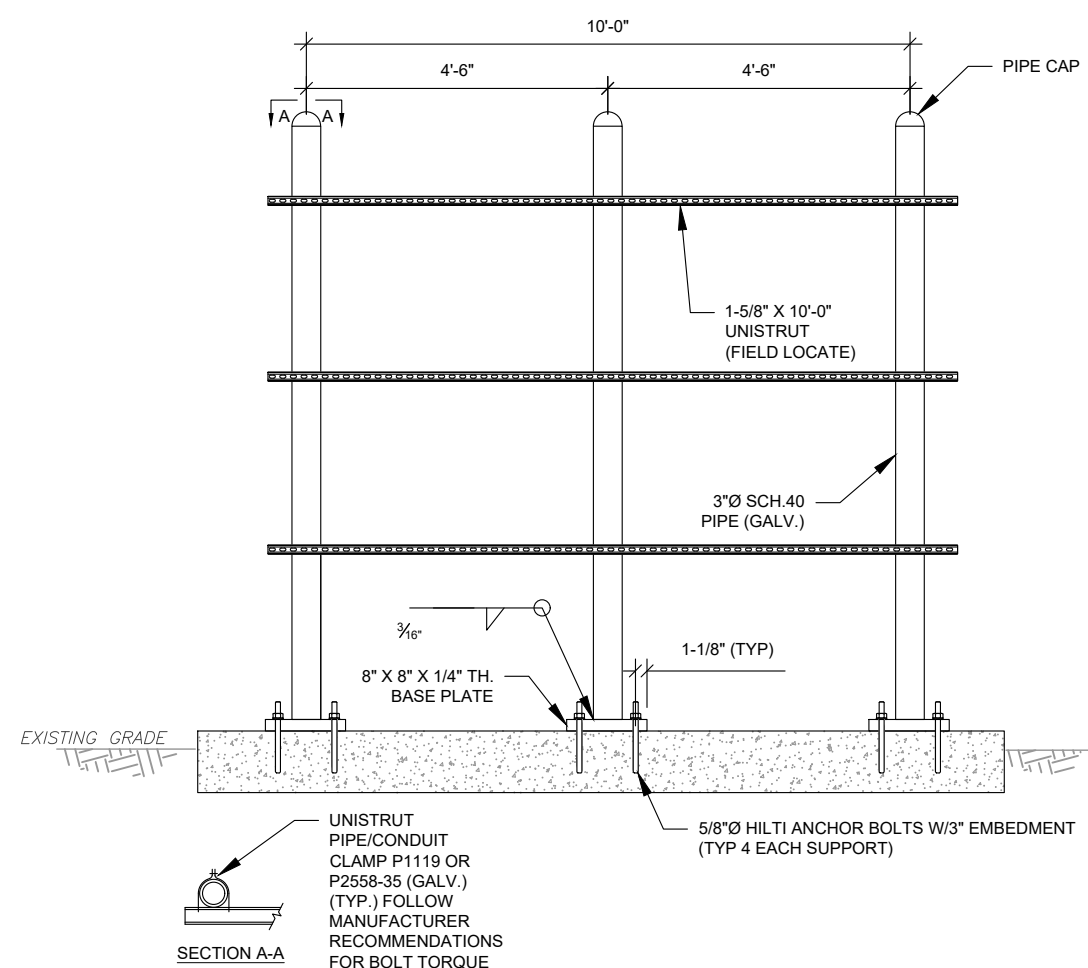
2 CABINET ATTACHMENT DETAIL
SCALE: N.T.S.



NOTES:

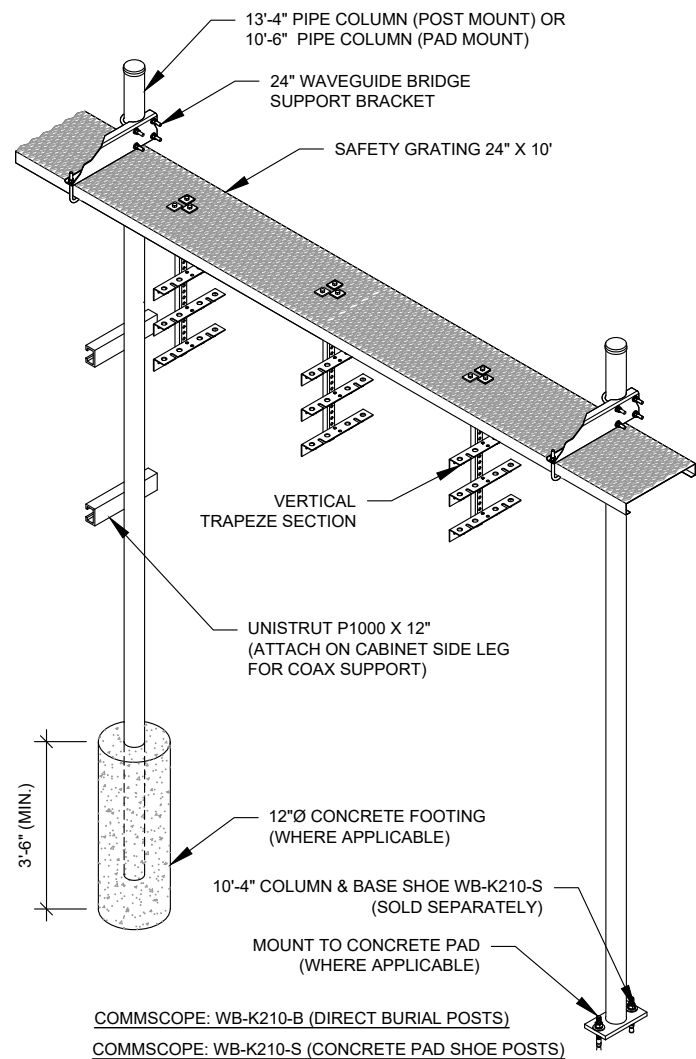
- CONTRACTOR TO CONTACT ALL UTILITIES FOR LOCATION OF UNDERGROUND SERVICES. SERVICE LOCATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
- REMOVE ALL UNSUITABLE OR DELETERIOUS MATERIAL AS REQUIRED. COMPACT UNDERLYING SOIL TO 90% OF MAXIMUM DENSITY. REPLACE REMOVED SOIL WITH 8" LIFTS OF GRANULAR "B" MATERIAL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

3 COMPOUND CROSS SECTION
SCALE: N.T.S.



1 TYPICAL H-FRAME DETAIL
SCALE: N.T.S.

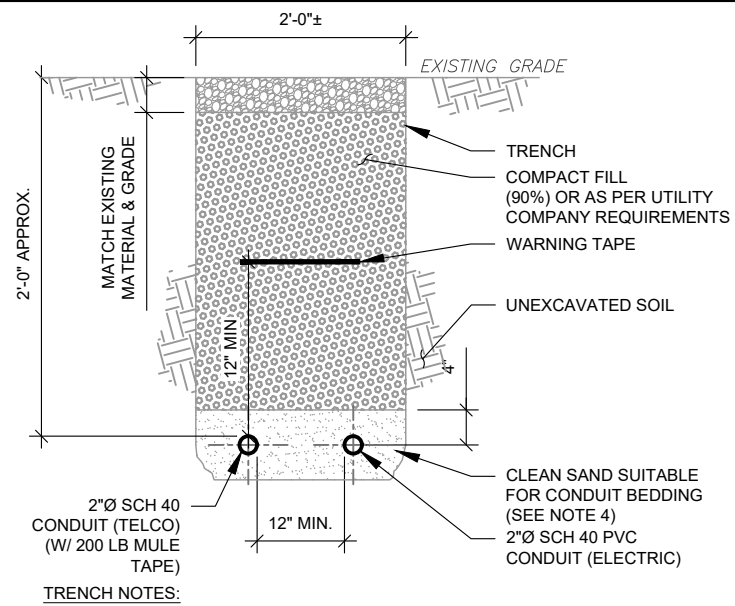
UNISTRUT PIPE/CONDUIT CLAMP P1119 OR P2558-35 (GALV.) (TYP.) FOLLOW MANUFACTURER RECOMMENDATIONS FOR BOLT TORQUE



CONSTRUCTION NOTE:

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

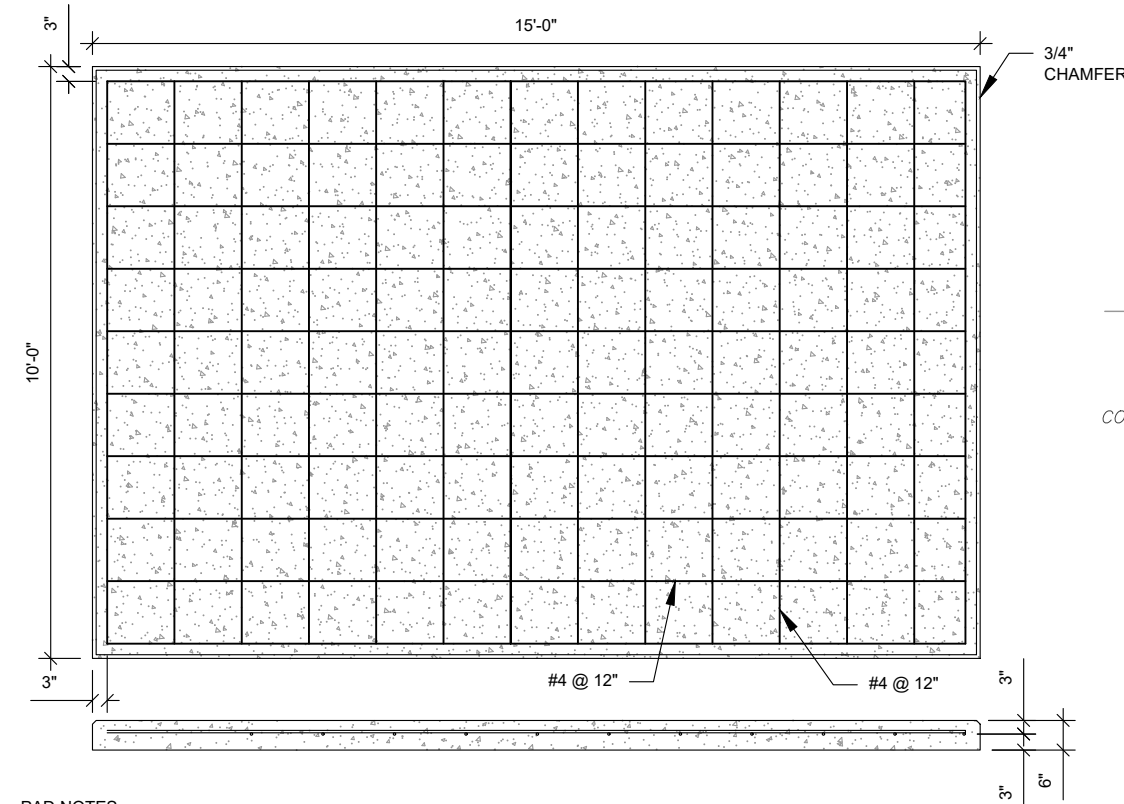
1 WAVEGUIDE BRIDGE KIT
SCALE: N.T.S.



TRENCH NOTES:

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

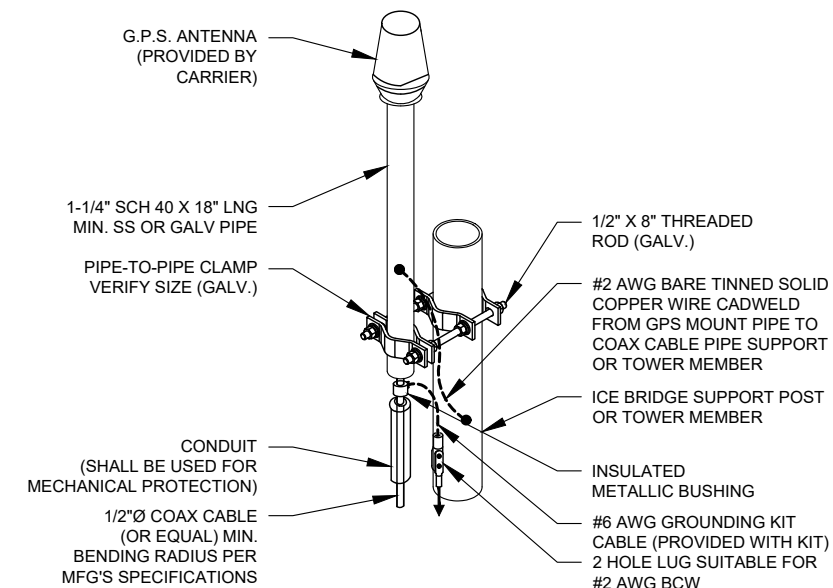
2 TELCO AND POWER CONDUIT JOINT TRENCH
SCALE: N.T.S.



PAD NOTES:

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

4 REINFORCED PAD LAYOUT
SCALE: N.T.S.

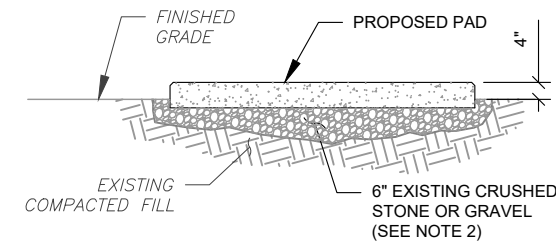


NOTE:

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

3 GPS ANTENNA ATTACHMENT DETAIL

SCALE: N.T.S.



PAD NOTES:

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

5 GRAVEL PREPARATION
SCALE: N.T.S.



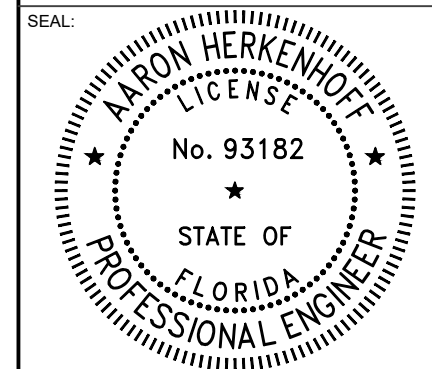
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417361

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T-MOBILE SITE NAME:
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SITE ADDRESS:
744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951



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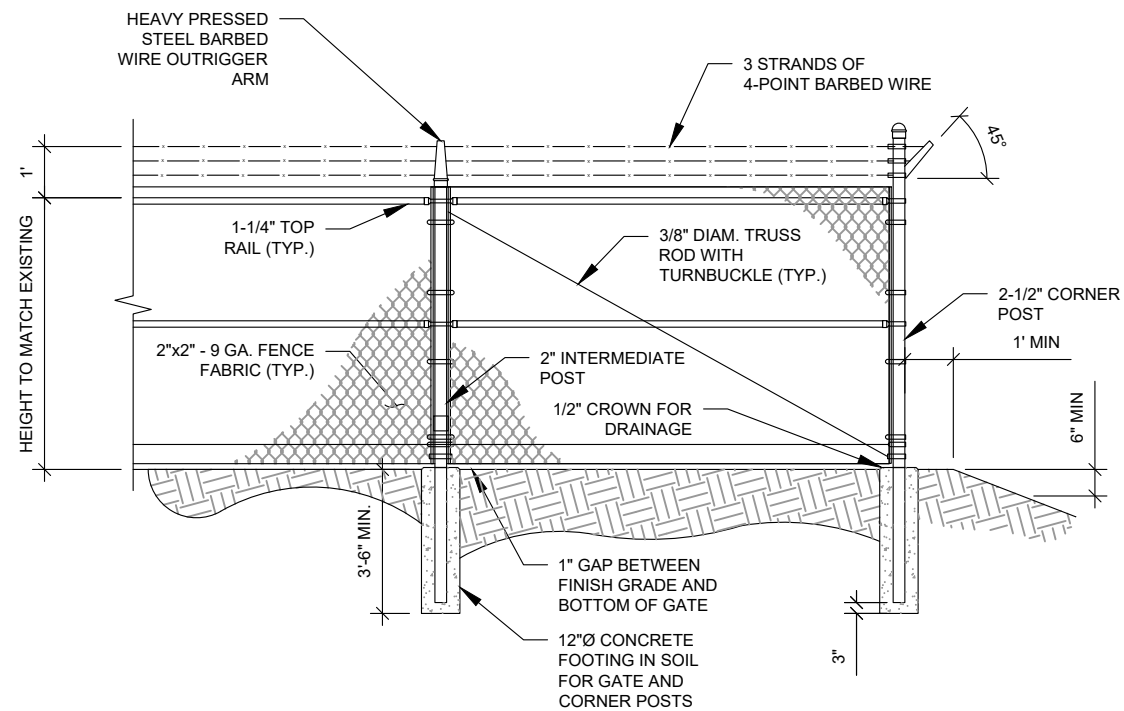


DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-503	0

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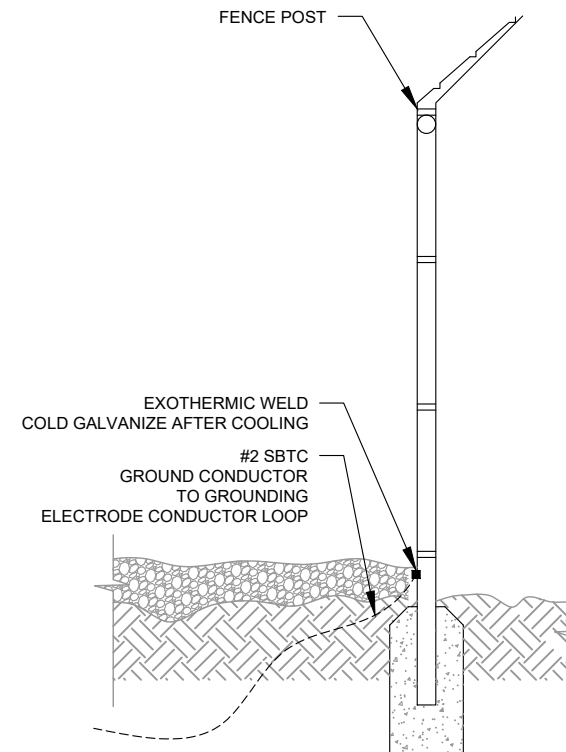
FENCE NOTES:

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

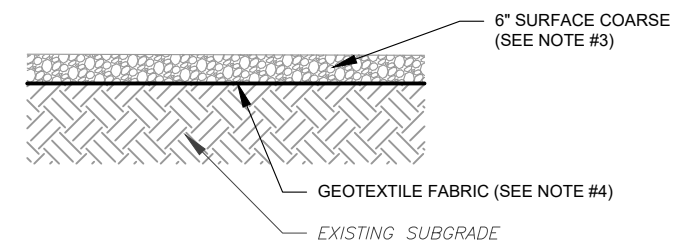
AMERICAN TOWER CONSTRUCTION SPECIFICATION:

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

1 FENCE DETAIL
SCALE: N.T.S.



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



NOTES:

1. CONTRACTOR TO CONTACT ALL UTILITIES FOR LOCATION OF UNDERGROUND SERVICES. SERVICE LOCATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
2. REMOVE ALL UNSUITABLE OR DELETERIOUS MATERIAL AS REQUIRED. COMPACT UNDERLYING SOIL TO 90% OF MAXIMUM DENSITY. REPLACE REMOVED SOIL WITH 8" LIFTS OF GRANULAR "B" MATERIAL TO A DEPTH OF 4" BELOW PROPOSED GRADE. COMPACT TO MINIMUM 95% OF MAXIMUM DRY DENSITY ALL COMPACTION SHALL BE IN ACCORDANCE WITH THE 2006 IBC. REVIEW WITH PROJECT MANAGER AND GEOTECT PRIOR TO CONSTRUCTION.
3. SURFACE COARSE OF GRANULAR "A" MATERIAL SHALL CONSIST OF EVENLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL, WITH 100% PASSING THROUGH 1 1/2" SIEVE AND NOT MORE THAN 5% PASSING THROUGH #4 SIEVE. COMPACT TO 95% OF MAXIMUM DRY DENSITY.
4. PROVIDE GEOTEXTILE FABRIC UNDER WASHED CHIPPED STONE COMPOUND UNLESS NOTED OTHERWISE. WOVEN GEOTEXTILE: APPROVED PRODUCTS ARE US FABRICS: US 200 AND TENCATE: 160N. CONTRACTOR MAY SUBMIT DESIGN ALTERNATIVE AS OUTLINED IN THE AMERICAN TOWER CONSTRUCTION SPECIFICATIONS.

3 COMPOUND CROSS SECTION
SCALE: N.T.S.



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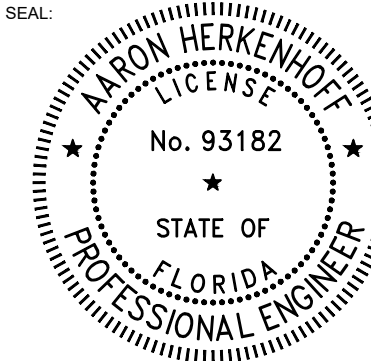
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SEAL:



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DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

CIVIL DETAILS

SHEET NUMBER:	REVISION:
C-504	0

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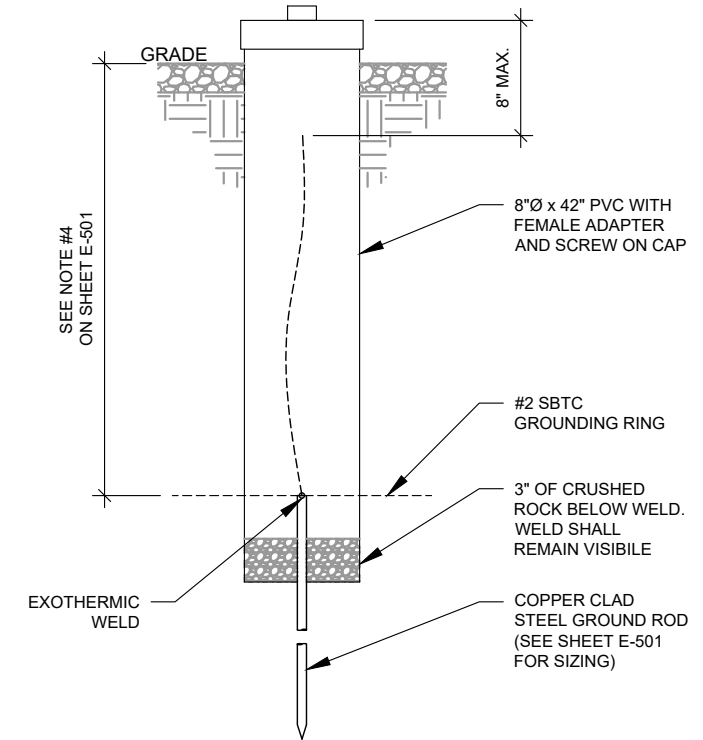
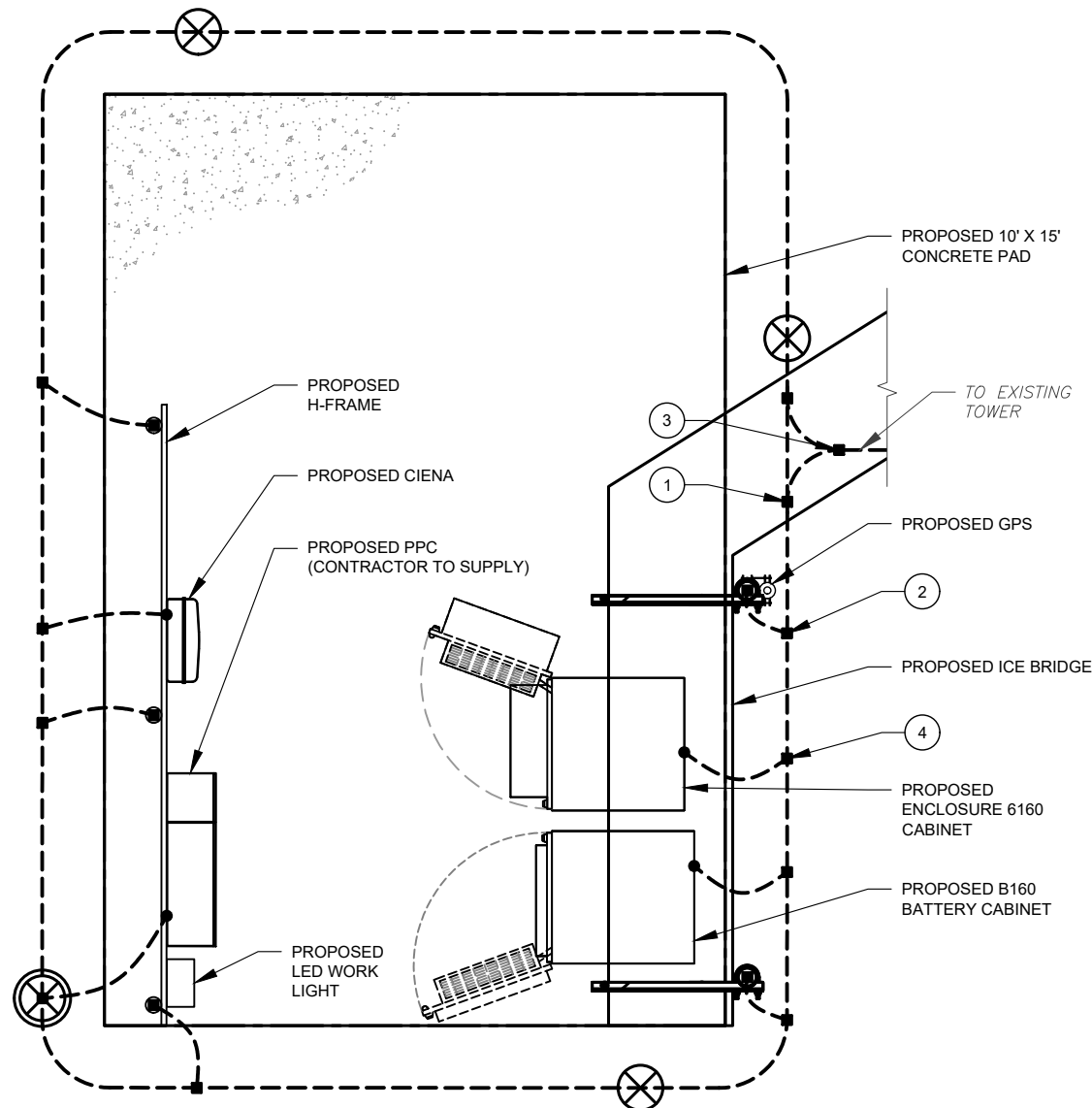
GROUNDING NOTES:

1. ALL EQUIPMENT ENCLOSURES, DEVICES AND CONDUITS SHALL BE GROUNDED TO CONFORM WITH THE LATEST REQUIREMENTS OF THE NEC BY THE INSTALLATION OF A SEPARATE, GREEN, INSULATED GROUND CONDUCTOR FOR ALL FEEDER AND BRANCH CIRCUITS. GROUND CONDUCTORS SHALL BE OF THE SIZE INDICATED ON THE DRAWINGS. GROUND CONDUCTORS SHALL BE CONTINUOUS IN LENGTH AND SHALL BE BONDED TO EACH ENCLOSURE THEY PASS THROUGH. CONDUIT SHALL NOT BE USED AS A GROUNDING CONDUCTOR.
2. GROUNDING CONDUCTORS SHALL:
 - A. BE #2 AWG SOLID BARE TINNED COPPER (SBTC) FOR ALL GROUNDING SYSTEM WIRE UNLESS OTHERWISE NOTED, OR OTHERWISE REQUIRED BY CODE.
 - B. BE MINIMUM 12" BEND RADIUS. KEEP NUMBER OF BENDS TO A MINIMUM.
 - C. AVOID LONG BONDING CONNECTION RUNS. MAKE DIRECT AS POSSIBLE.
 - D. NOT HAVE ANY U-SHAPED RUNS.
 - E. BE IN NON-METALLIC CONDUIT ONLY, IF IN CONDUIT.
 - F. BE PLACED THROUGH NON-METALLIC SLEEVES IN FLOORS, WALLS, CEILINGS, ETC.
 - G. PROTECTED IN NON-METALLIC CONDUIT WHERE EXPOSED ABOVE GRADE.
2. INSTALL ALL GROUNDING RINGS AND RADIALS WITH CONDUCTIVE CEMENT, SANKOSHA AS DISTRIBUTED BY ELECTRIC MOTION COMPANY, INC., WINSTED, CT 06098, OR AS SPECIFICALLY INDICATED. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
3. GROUND RINGS SHALL BE:
 - A. MINIMUM 30" BELOW GRADE, OR BELOW FROST LINE WHICHEVER IS DEEPER.
 - B. MINIMUM 2' FROM FOUNDATIONS, FOOTINGS, OTHER GROUNDING SYSTEMS AND ALL CONDUCTIVE OBJECTS.
 - C. WITH MINIMUM 12" BEND RADII.
 - D. WITH ALL CONNECTIONS IN CONTACT WITH EARTH, BONDED BY EXOTHERMIC WELDING.
 - E. BONDED TO A SINGLE POINT GROUND (SPG) WITH A SINGLE WIRE AS INDICATED ON DRAWINGS.
4. GROUND RODS SHALL BE:
 - A. MINIMUM 5/8" DIAMETER.
 - B. MINIMUM 10' LONG.
 - C. COPPER-CLAD GALVANIZED STEEL OR STAINLESS STEEL.
 - D. PLACED IN UNDISTURBED SOIL AND BELOW THE FROST LINE.
 - E. INSTALLED WITH MINIMUM SEPARATION DISTANCE OF TWICE THE DEPTH OF THE ROD(S), OR AS INDICATED ON DRAWINGS.
 - F. MINIMUM TWO (2) RODS ON THE TOWER RING OR ONE (1) PER LEG WHICHEVER IS LARGER, MINIMUM FOUR (4) RODS ON EVERY EQUIPMENT BUILDING RING WITH ONE AT EACH CORNER OR AS INDICATED, MINIMUM ONE (1) ROD FOR POWER SERVICE GROUNDING ELECTRODE, AND MINIMUM ONE (1) ROD AT END OF EACH RADIAL.
5. CONDUCTIVE OBJECTS, SUCH AS FENCES, SHALL BE BONDED TO THE GROUNDING SYSTEM IF WITHIN 20' OF THE TOWER GROUNDING SYSTEM, OR 5' OF ANY OTHER GROUNDED COMPONENT.

GROUNDING PLAN LEGEND:

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

- GROUNDING KEYED NOTES:**
- ① BOND TO TOWER GROUND RING
 - ② #2 AWG BOND FROM VERTICAL H-FRAME AND ICE BRIDGE POST TO EXTERNAL GROUND RING (TYP. EVERY POST).
 - ③ #2 AWG SBTC BOND FROM TOWER GROUND RING TO EQUIPMENT.
 - ④ EQUIPMENT BOND TO GROUND RING (TYP.)



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

② **TEST WELL DETAIL**
SCALE: N.T.S.



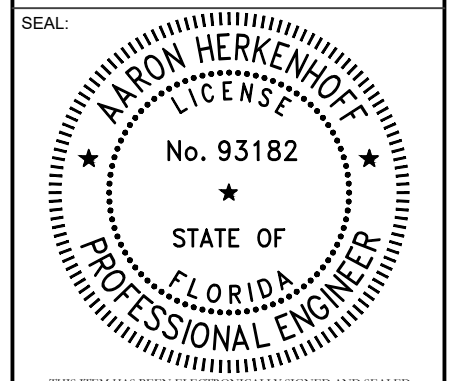
REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	AJ	04/27/23

ATC SITE NUMBER:
417361

ATC SITE NAME:
THOMAS ARP3 RAW LAND FL

T-MOBILE SITE NAME:
9JK1875 (USA)

SITE ADDRESS:
744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951



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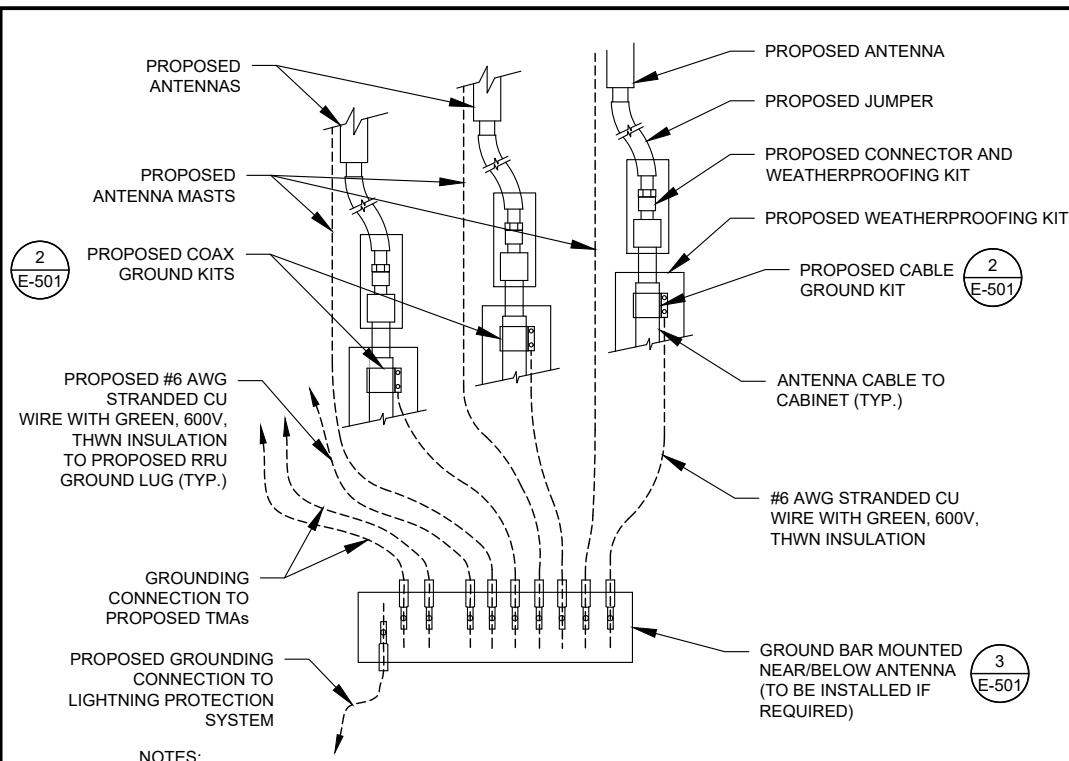
T-Mobile

DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

GROUNDING DETAILS

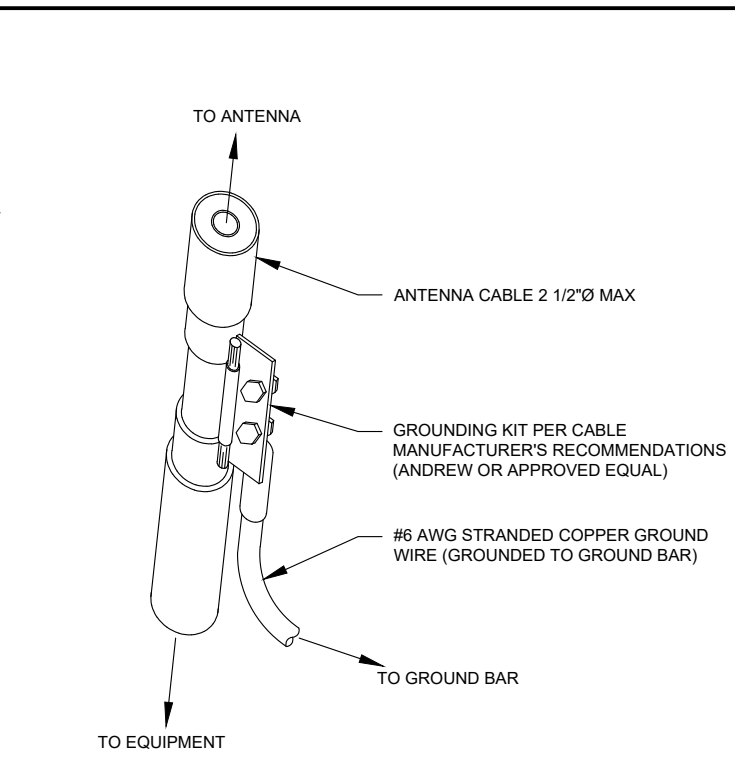
SHEET NUMBER:	REVISION:
E-101	0

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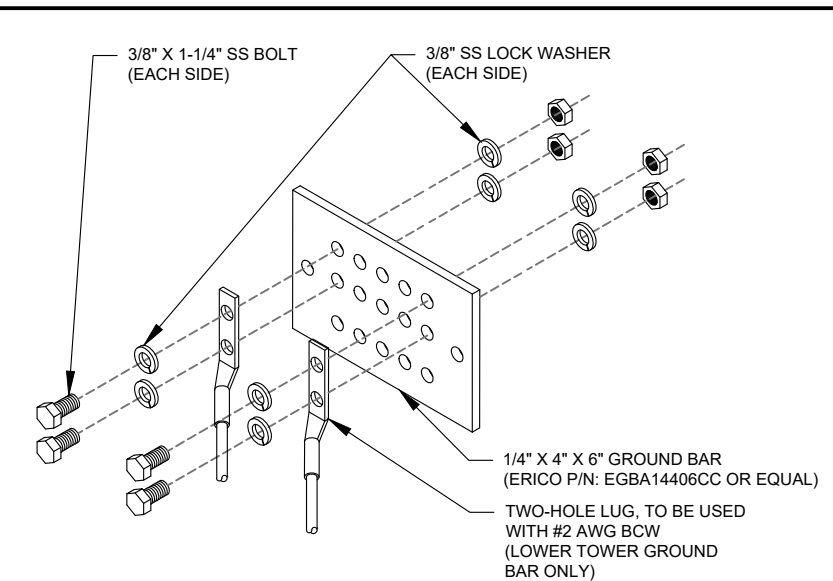
- NOTES:**
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
 2. SITE GROUNDING SHALL COMPLY WITH T-MOBILE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

1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



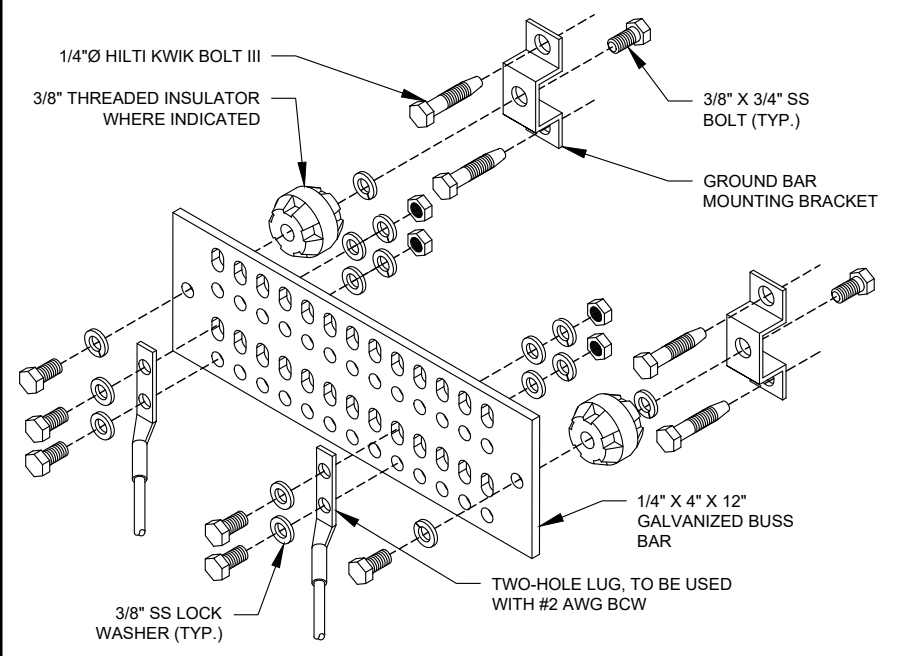
- GROUND KIT NOTES:**
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

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



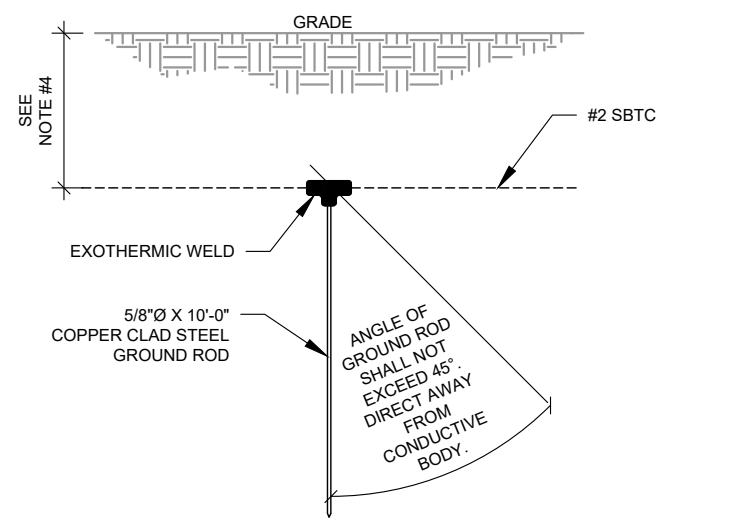
- GROUND BAR NOTES:**
1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL
SCALE: N.T.S.



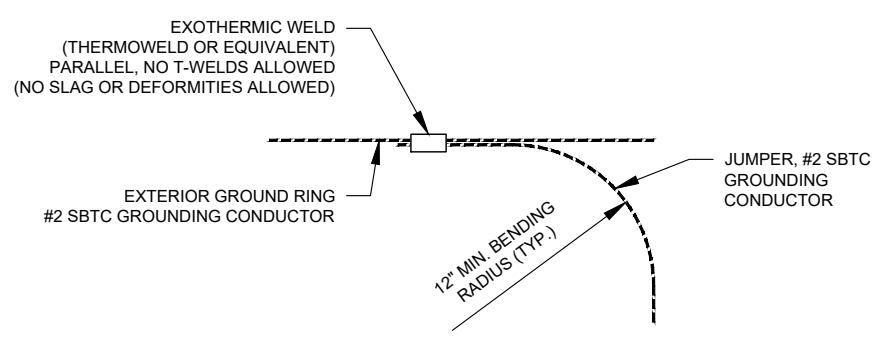
- GROUND BAR NOTES**
1. GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

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



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

5 GROUND ROD DETAIL
SCALE: N.T.S.



6 TIE CONNECTION DETAIL
SCALE: N.T.S.

AMERICAN TOWER®

POD
POWER OF DESIGN

11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

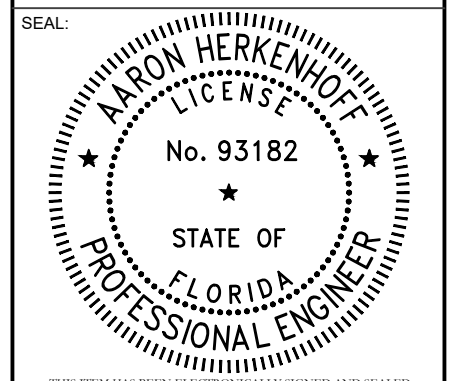
REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	AJ	04/27/23

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SITE ADDRESS:
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LAKE CITY, FL 32055-5951



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DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

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PANEL DESIGNATION: **TMO** TYPE: LIGHTINGS & APPLIANCE SYSTEM: 120/240V, 1Ø, 3W, 24 CKT LOCATION: TMO LEASE EQUIPMENT AREA

MOUNTING: SURFACE MAIN BREAKER (MB): 200A PANEL NOTES: PROPOSED
ENCLOSURE: NEMA 3R MAIN BUS RATING: 200A MIN. A.I.C. RATING: N/A

CONNECTED LOAD (kVA)		FEEDER OR BRANCH CIRCUIT						FEEDER OR BRANCH CIRCUIT						CONNECTED LOAD (kVA)		
A	B	BREAKER	CIRCUIT				CIRCUIT							A	B	
0.01	0.01	AMPS	POLES	WIRE	GND	COND.	POLE	NO.	COND.	POLES	WIRE	POLES	AMPS	0.18	0.50	
		60	2	3-#6	#10	1"	1	2	4	1-2"	#12	2-#12	1	20		
							3	4								
							5	6								
7.50	7.50	150	2	2-#3-0	#6	2"	7	8								
							9	10						0.15	0.00	
0.18	0.00	20	1	2-#12	#12		11	12						0.00	0.00	
							13	14						0.00	0.00	
0.00	0.00						15	16						0.00	0.00	
							17	18						0.00	0.00	
0.00	0.00						19	20						0.00	0.00	
							21	22						0.00	0.00	
0.00	0.00						23	24						0.00	0.00	
7.7	7.5				A	B				A	B					
					8.0	8.0	16.0			CONNECTED LOAD (kVA)			0.3	0.5		
					8.0	8.0	16.0			DEMAND LOAD (kVA)			DERATING FACTOR (80%) DEMAND LOAD SIZING: 83 AMPS			

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

AMERICAN TOWER®

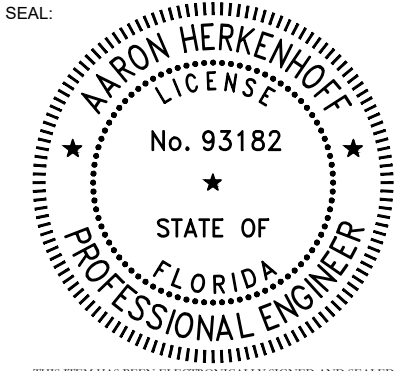
POD
POWER OF DESIGN

11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

1 PANEL SCHEDULE

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	AJ	04/27/23

ATC SITE NUMBER: 417361
ATC SITE NAME: THOMAS ARP3 RAW LAND FL
T-MOBILE SITE NAME: 9JK1875 (USA)
SITE ADDRESS: 744 NW SPRADLEY ROAD
LAKE CITY, FL 32055-5951



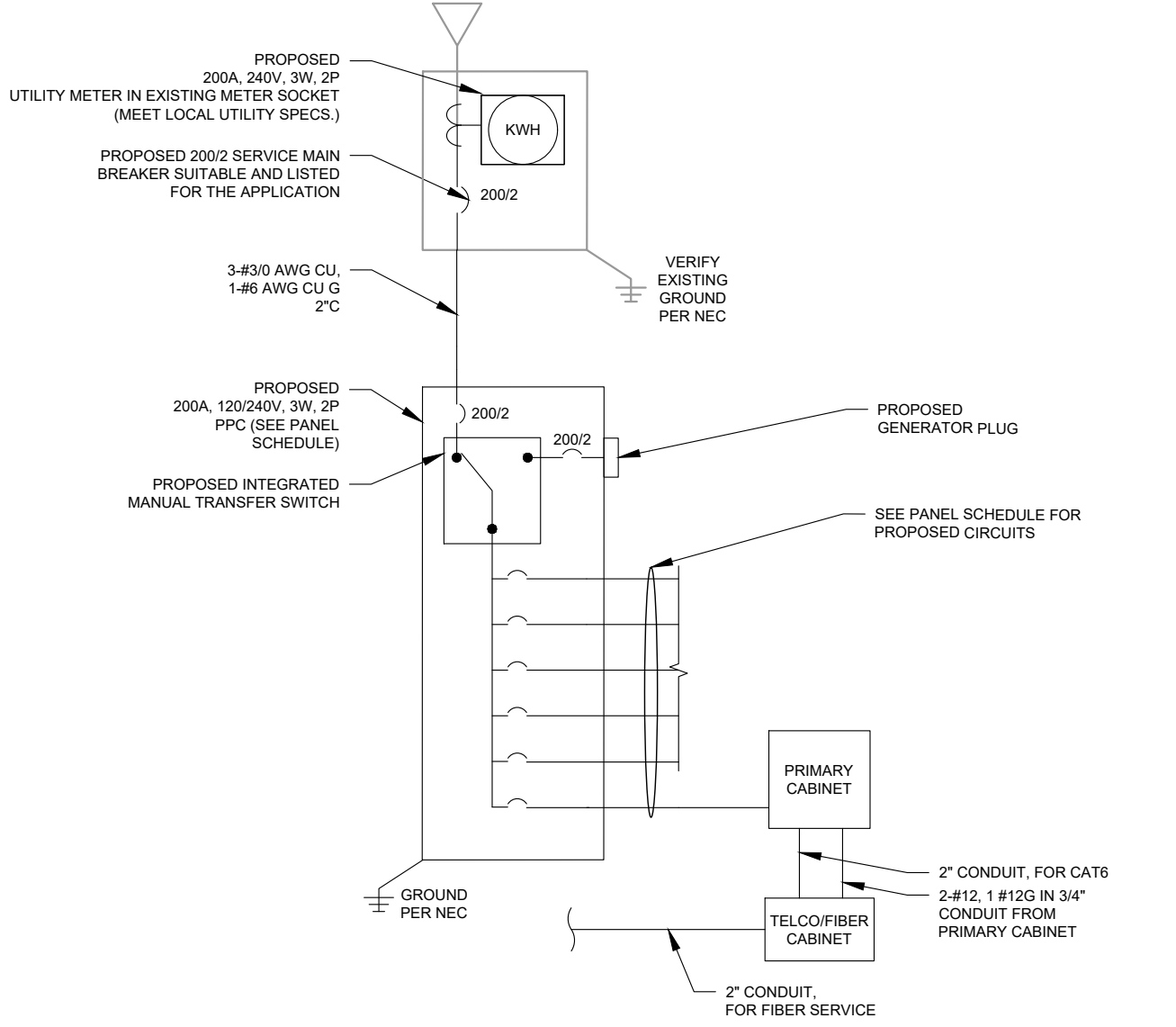
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DATE DRAWN:	04/27/23
ATC JOB NO:	14430235
CUSTOMER ID:	9JK1875 (USA)
CUSTOMER #:	9JK1875A

PANEL SCHEDULE & ONE-LINE DIAGRAM

SHEET NUMBER: E-601
REVISION: 0



2 ONE-LINE DIAGRAM

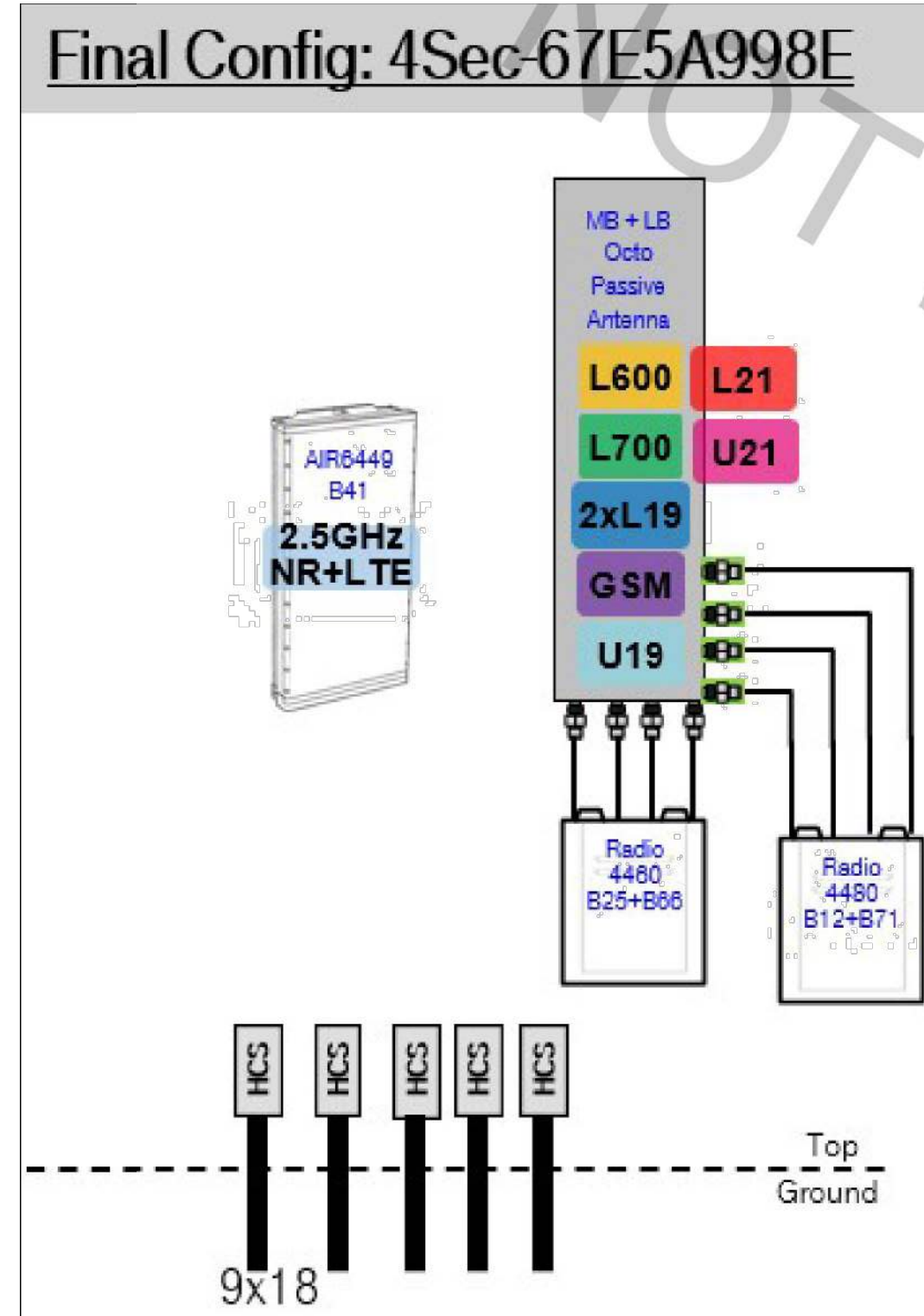
STANDARD CONDUIT USE TABLE			
CONDUIT TYPE	USE CASE	LOCATION	USE CASE EXAMPLE
RMC (METALLIC)	AC, DC COMM	ABOVE GROUND	ABOVE GROUND PPC TO SSC
PVC	AC POWER	UNDERGROUND	UNDERGROUND PPC TO SSC OR BACKHAUL TRANSPORT HUB TO SSC
LFMC	AC, DC, COMM	MAX 6' PER CONDUIT RUN, ABOVE GROUND ONLY	TIGHT LOCATIONS BETWEEN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

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

3 CONDUIT USE TABLES

Proposed RAN Equipment														
Template: 4Sec-67E5D998E 6160 (no GSM)														
Enclosure	1	2												
Enclosure Type	Enclosure 6160 AC V1	B160												
Baseband	<table border="1"> <tr> <td>RP 6651</td> <td>RP 6651</td> <td>RP 6651</td> </tr> <tr> <td>N600</td> <td>N2500</td> <td>N1900</td> </tr> <tr> <td>L600</td> <td></td> <td>L1900</td> </tr> <tr> <td>L700</td> <td></td> <td>L2100</td> </tr> </table>	RP 6651	RP 6651	RP 6651	N600	N2500	N1900	L600		L1900	L700		L2100	
RP 6651	RP 6651	RP 6651												
N600	N2500	N1900												
L600		L1900												
L700		L2100												
Transport System	CSR IXRe V2 (Gen2)													
Hybrid Cable System	Hybrid Trunk 6/24 4AWG 100m (x3) PSU 4813 vR4A (Kit) (x3)													
RAN Scope of Work:														

1 CABINET CONFIGURATION



Notes:

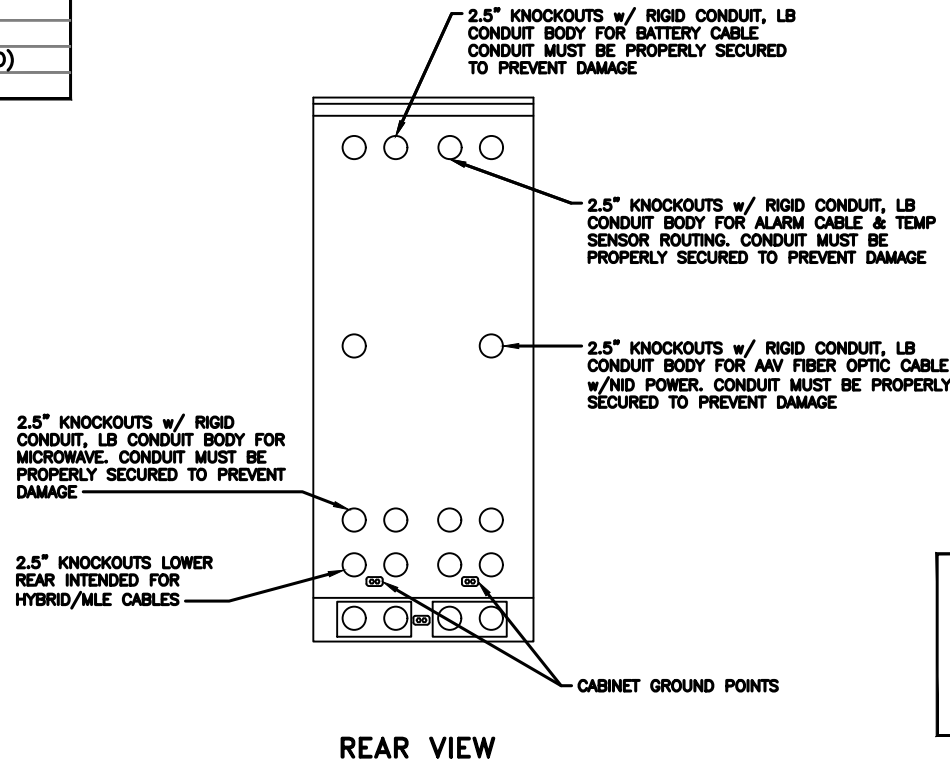
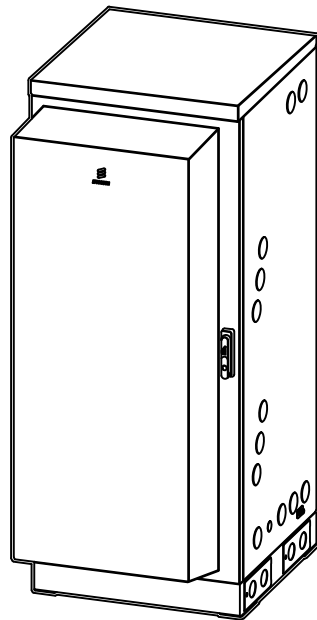
2 ANTENNA CONFIGURATION

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

SUPPLEMENTAL

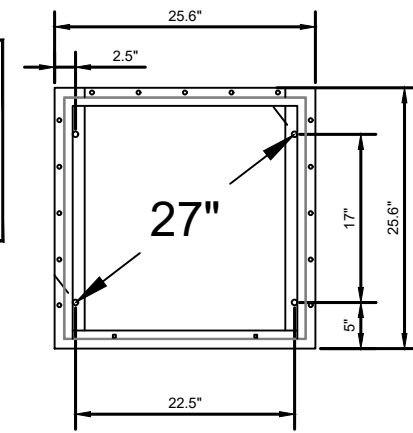
SHEET NUMBER:	REVISION:
R-601	0

MANUFACTURER:	ERICSSON
MODEL:	6160 SITE SUPPORT CABINET
DIMENSIONS:	63" x 25.6" x 33.6" (H x W x D)
WEIGHT:	373 LBS



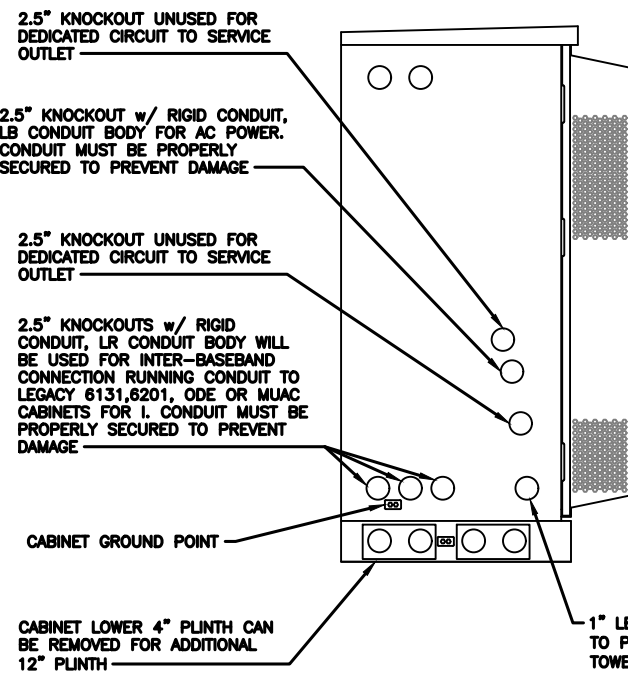
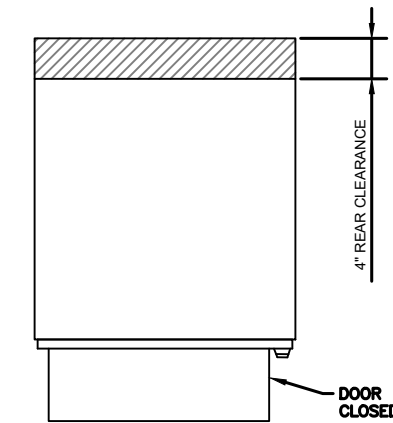
NOTE:

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

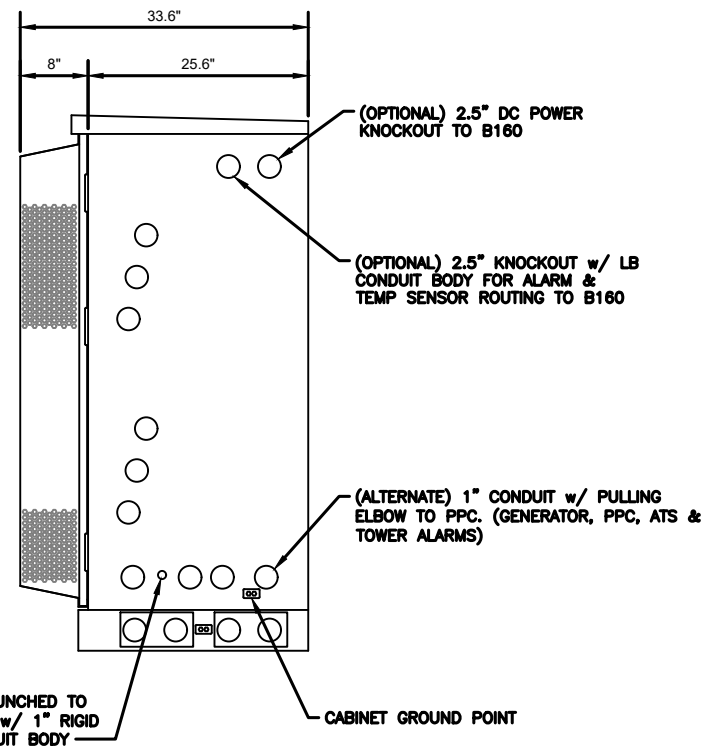
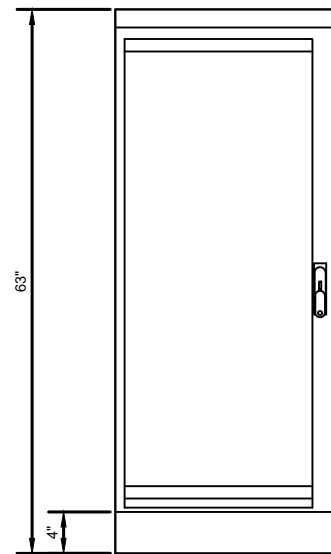


GROUNDING NOTE:

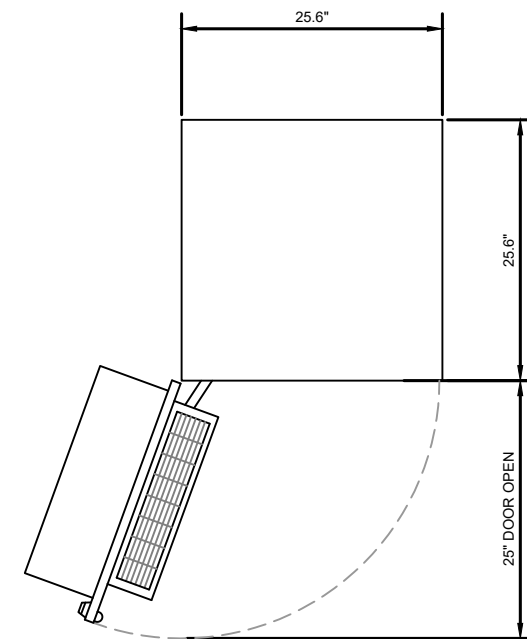
"CABINET GROUNDING TO USE A SINGLE, #2 BTCW CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED."

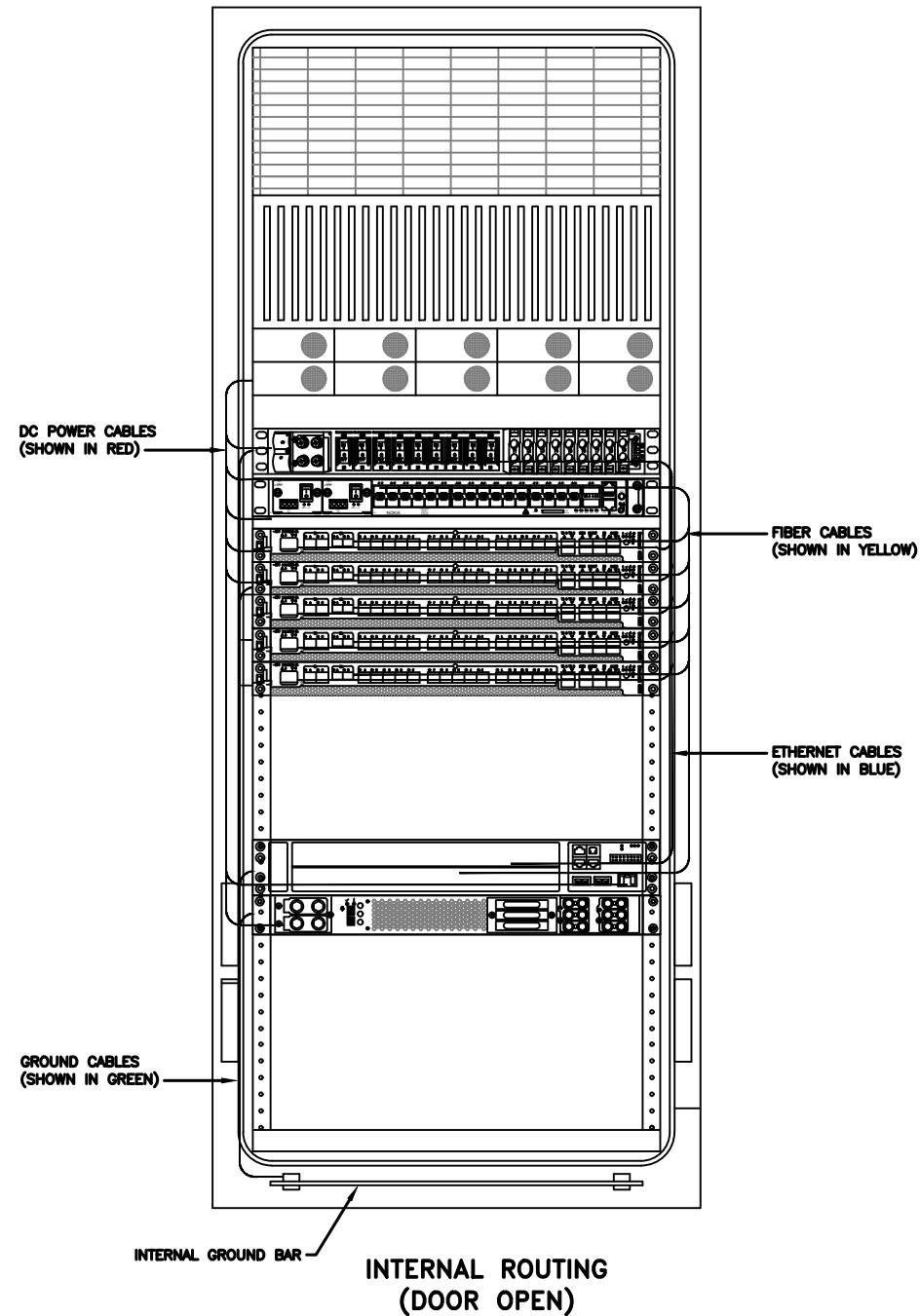


LEFT VIEW

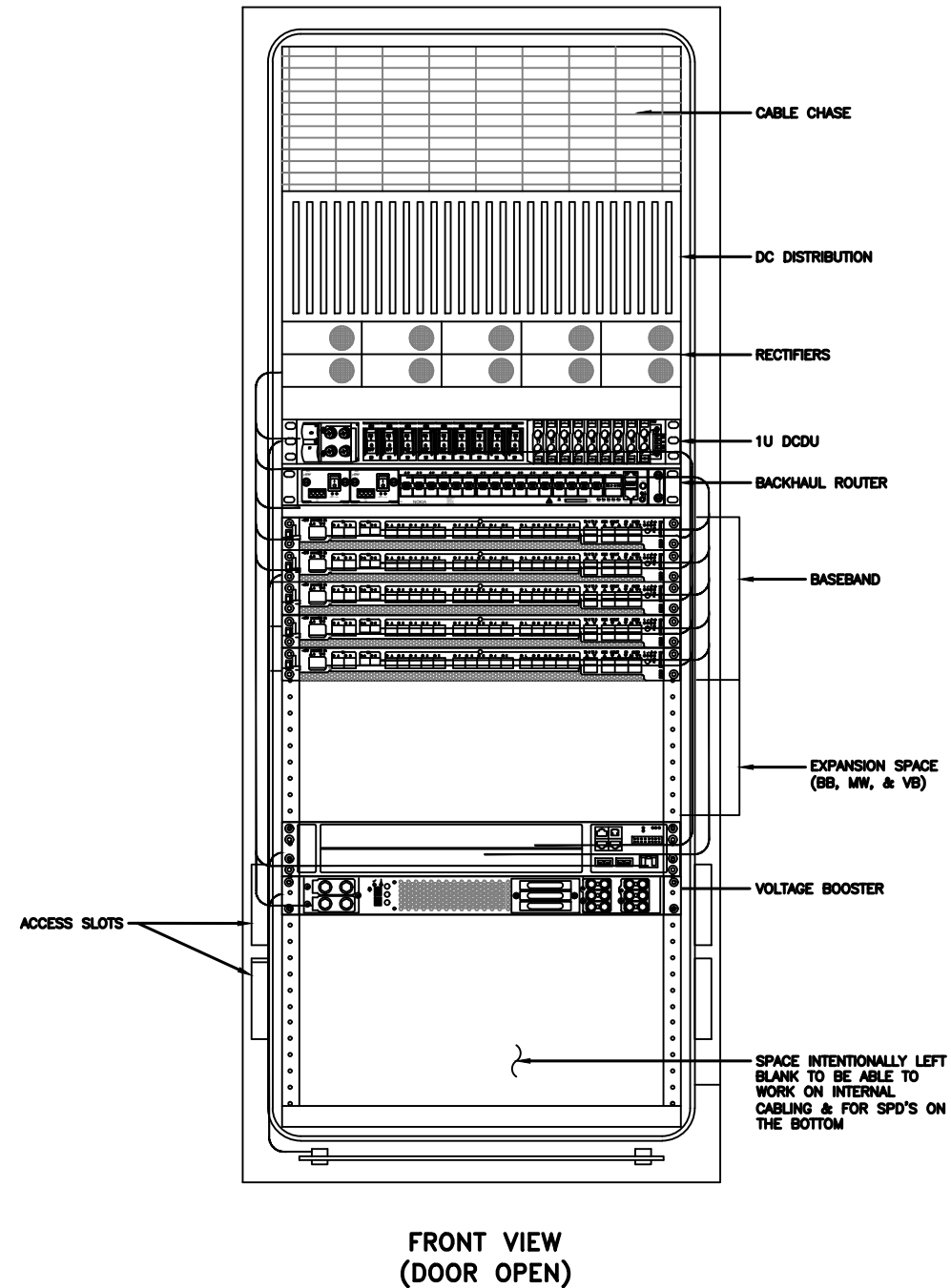


RIGHT VIEW





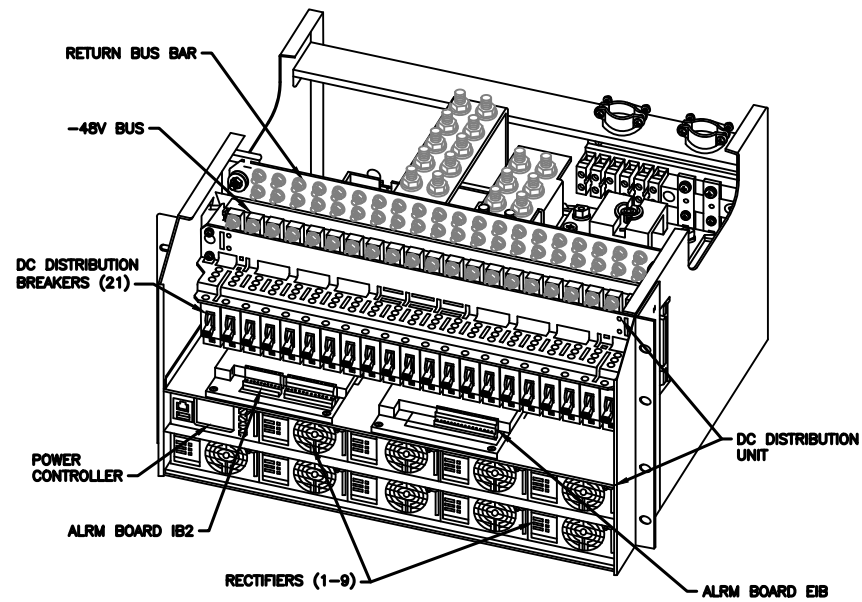
RACK ASSIGNMENTS	
RU SLOTS	DESCRIPTION
1	DC DISTRIBUTION
2	
3	
4	
5	RECTIFIER SHELF
6	
7	FIBER BOX
8	DCDU
9	BACKHAUL ROUTER
10	
11	1ST BASEBAND
12	2ND BASEBAND
13	3RD BASEBAND
14	4TH BASEBAND
15	5TH BASEBAND
16	EXPANSION
17	
18	
19	EXPANSION / LEGACY BASEBAND / VOLTAGE BOOSTER
20	
21	VOLTAGE BOOSTER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



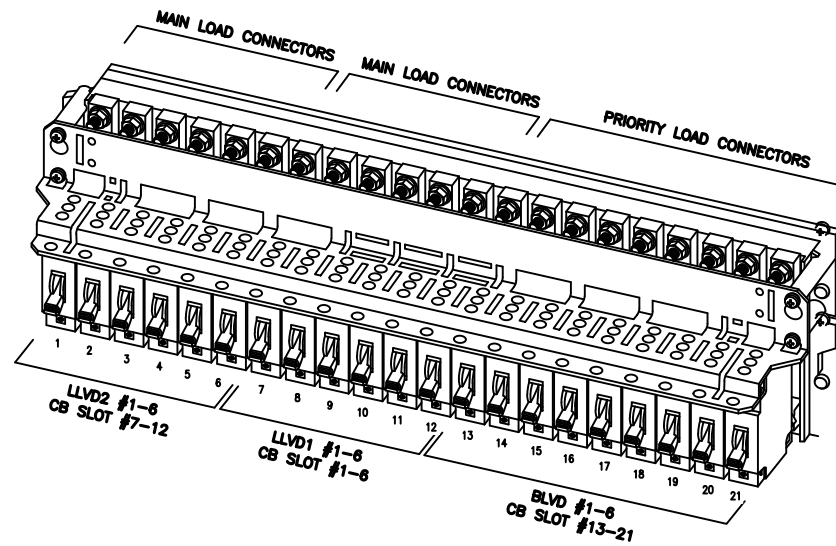
NOTE:
THIS IS FOR REFERENCE ONLY, CHECK
FOR SPECIFIC DETAIL IN T-MOBILE
CABINET SPECIFIC INSTALLATION GUIDES

Breaker Allocation for LGL60					
CIRCUIT	Ckt #	w/ DCDU Prior to availability of the 4460 and 4480	w/ DCDU later Design Post-4460 and Post-4480	w/ DCDU 4 and 6 Sector Designs	
-	1	Router PS 2*/Future		Radio 4460 R25/56 Z-1	
2	2	Future		Radio 4460 B25/56 Z-2	
3	3	PSJ 4813 feeding B25/56 α, β and γ (Air 5740s)		PSU 4813 feeding B41 δ & B71/12 δ (Air 5449s and Radio 4480s)	
4	4				
5	5	PSJ 4813 feeding B41 α, β and γ (Air 5740s)			
6	6				
7	1	PSJ 4813 feeding B71/12 α, β and γ (Radio 449s)	PSU 4813 feeding B71/12 α, β and γ (Radio 4490s)		
8	2	Future			Radio 4460 B25/56 δ-1
9	3				
10	4	Future			Radio 4450 R25/56 b-2
11	5				
12	6	Future			Radio 4450 B25/56 e-1
13	7				
14	1	Router PS-1			Radio 4460 B25/56 α-1
15	2	Radio 4415 B25/56 α	Radio 4460 B25/56 α-2		
16	3	Radio 4415 R25/56 β	Radio 4460 R25/56 β-2		
17	4	Radio 4415 S25/65 γ	Radio 4460 B25/56 β-1		
18	5	PSU 4813 feeding B71/12 α, β and γ (Radio 449s)	Radio 4460 R25/56 β-2		
19	6	Future		Radio 4460 B25/56 γ-1	
20	7	Future		Radio 4460 B25/56 γ-2	
21	8	DCDU			
	9	AAV			

Sector Identification
α Alpha, β Beta, γ Gamma, δ Delta, ε Epsilon, ζ Zeta



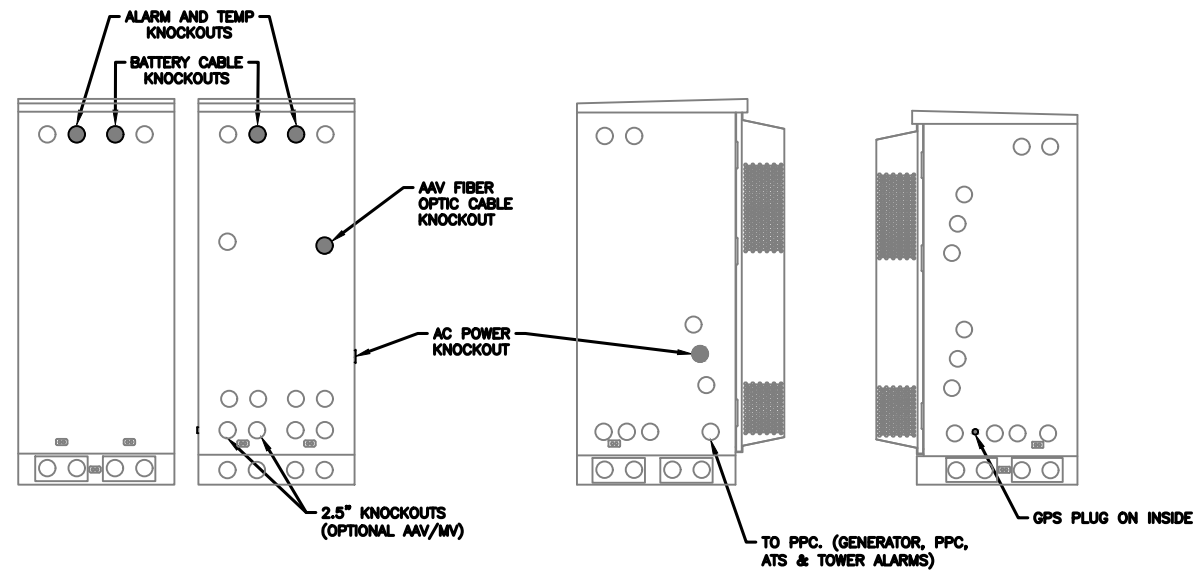
POWER SUBRACK



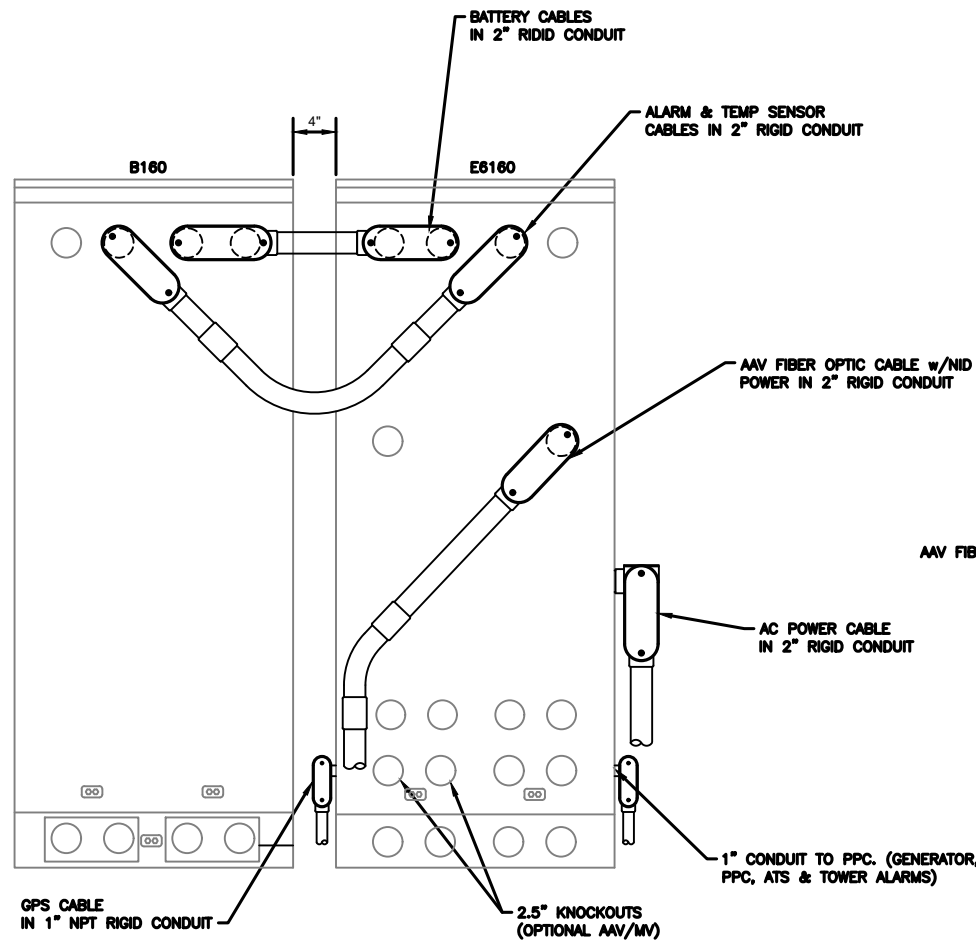
DC DISTRIBUTION

NOTE:

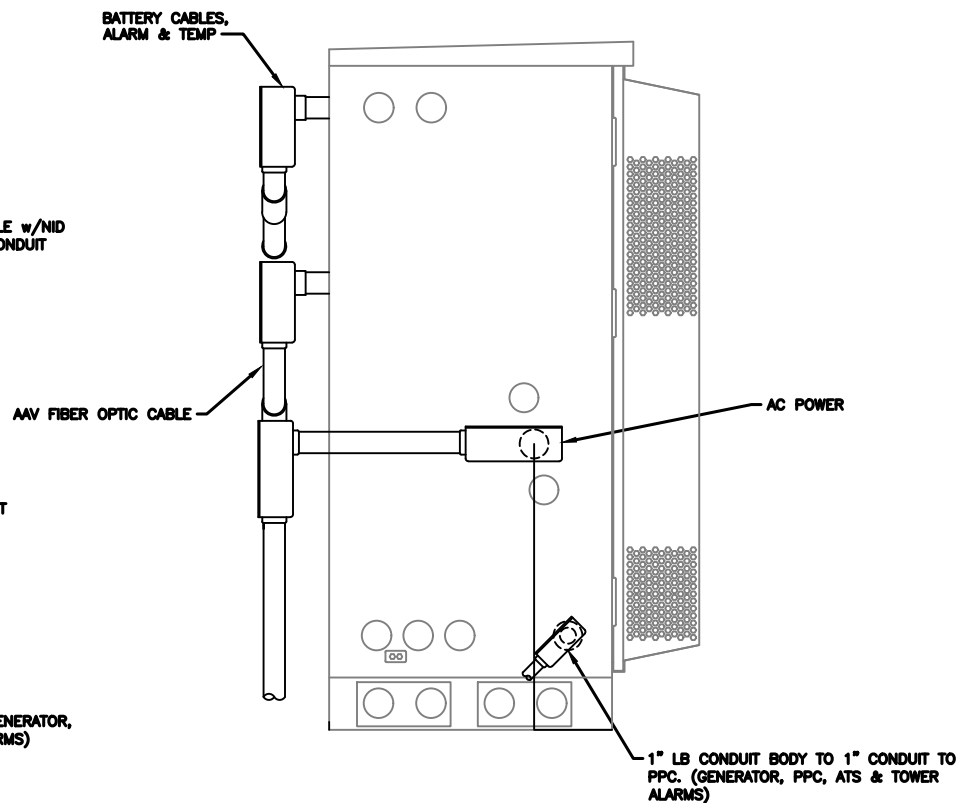
1. ALL CONDUIT AND FITTING ENTRANCES INTO CABINETS AND ENCLOSURES MUST UTILIZE MYERS OR EQUIVALENT HUBS OR SEALING WASHERS TO PREVENT WATER ENTRY/SEEPAGE INTO CABINETS AND ENCLOSURES.
2. (LIQUIDFLEX) FLEXIBLE METALLIC CONDUIT (LFMC) & ASSOCIATED FITTINGS CAN BE USED AS NEEDED BUT ONLY FOR TIGHT CONDUIT BENDS AND RUNS SUBJECT TO UL AND NEC LIMITATIONS. 6' MAX PER CONDUIT RUN.
3. POWER CONDUIT BODY ATTACHED WITH SHORT NIPPLE AND SEALING WASHER INSIDE & OUT. (FOR DOOR HOOD CLEARANCE)
4. PULLING ELBOWS MAY BE USED IN LIEU OF A CONDUIT BODIES WHEN CLEARANCE IS LIMITED.
5. ALL EXTERNAL ALARM CONDUITS ARE TO TERMINATE AT THE PPC WITH A SINGLE 1" ALARM CONDUIT TO THE 6160.
6. (DO NOT USE CHASE NIPPLES) CONDUIT SHOULD HAVE SEALING WASHERS INSIDE AND OUT w/ LOCK NUT AND CAP.



CONDUIT LOCATIONS

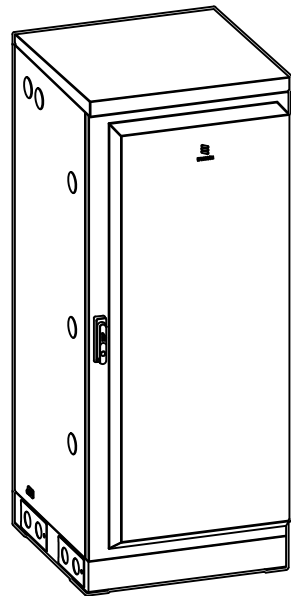


REAR VIEW



SIDE VIEW

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



2.5" KNOCKOUTS w/ RIGID CONDUIT, LB CONDUIT BODY FOR ALARM CABLE & TEMP SENSOR ROUTING. CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE

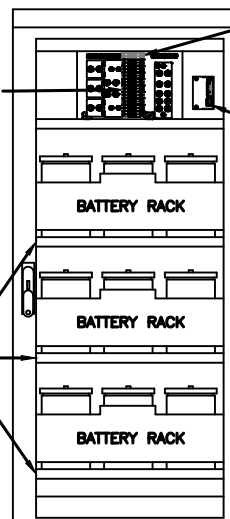
CABINET GROUND POINTS

REAR VIEW

2.5" KNOCKOUTS w/ RIGID CONDUIT, LB CONDUIT BODY FOR BATTERY CABLE CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE

3 x 300A BREAKERS

BATTERY VIBRATION MOUNTS



FRONT VIEW (DOOR OPEN)

25A AUX BREAKERS, FANS, LIGHTS, ETC.

ALARM BOX, PRELABLED

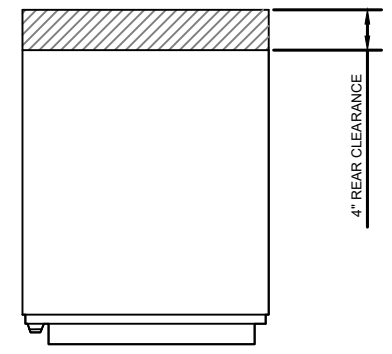
BATTERY RACK

BATTERY RACK

BATTERY RACK

3X BATTERY SHELVES, UP TO 200A HR, w/ PREINSTALLED HEATERS

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

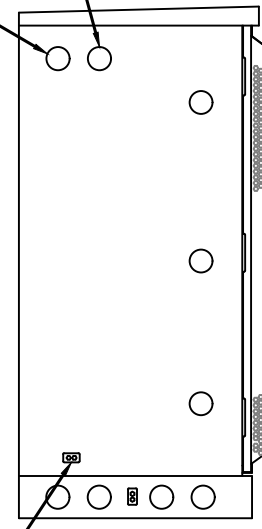


4" REAR CLEARANCE

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

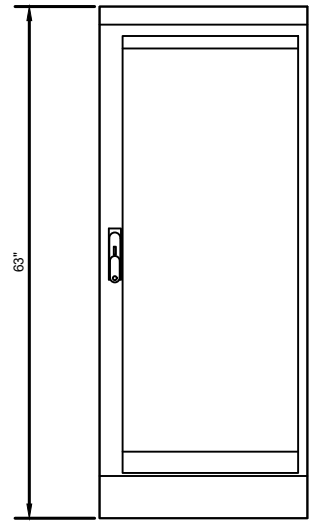
(OPTIONAL) 2.5" KNOCKOUTS FOR ALARM & TEMP SENSOR ROUTING TO 6160

(OPTIONAL) 2.5" DC POWER KNOCKOUTS TO 6160

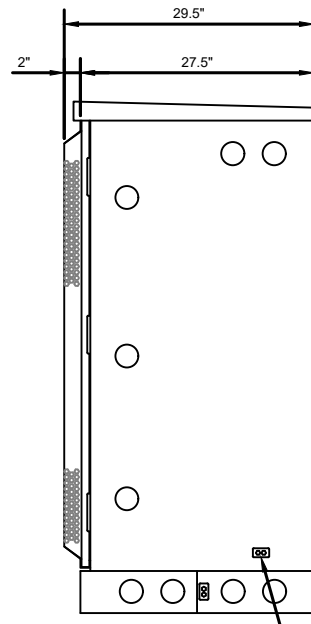


CABINET GROUND POINT

LEFT VIEW

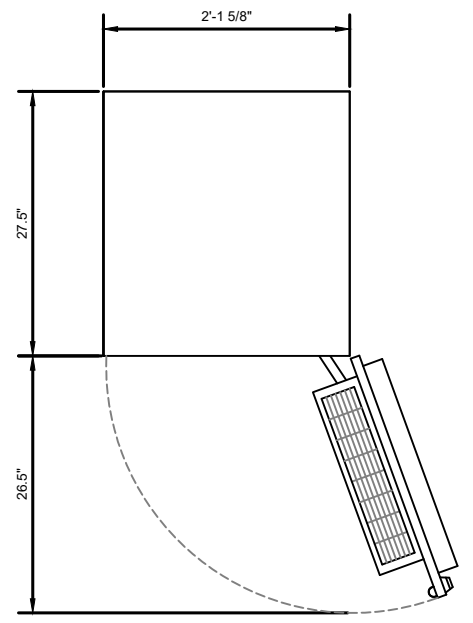


FRONT VIEW



RIGHT VIEW

CABINET GROUND POINT

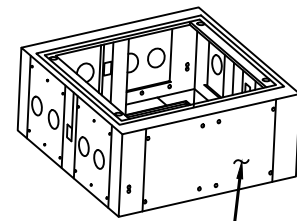


PLAN VIEW

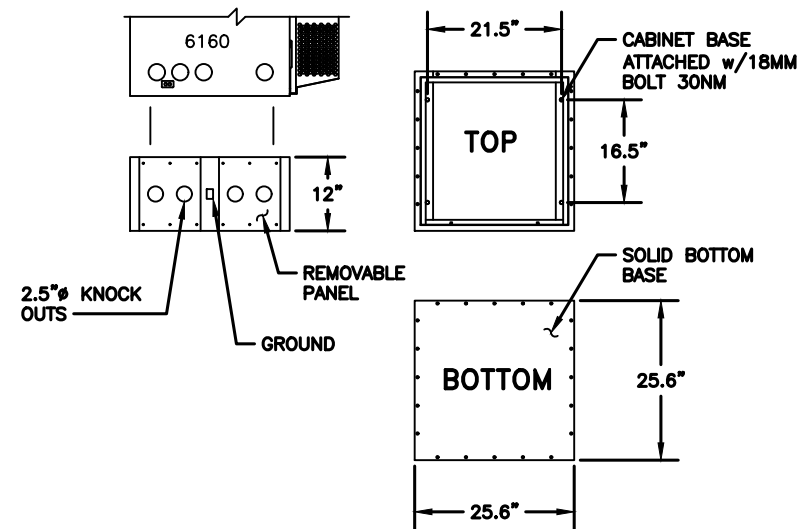
B160 ERICSSON SITE SUPPORT BATTERY CABINET

SUPPLEMENTAL	
SHEET NUMBER: R-606	REVISION: 0

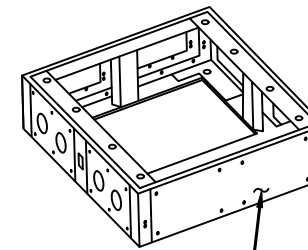
MANUFACTURER:	ERICSSON
MODEL:	6160 12" BASE FRAME (SXK 125 5009/1)
DIMENSIONS:	12" x 25.6" x 25.6" (H x D x W)
WEIGHT:	73 LBS



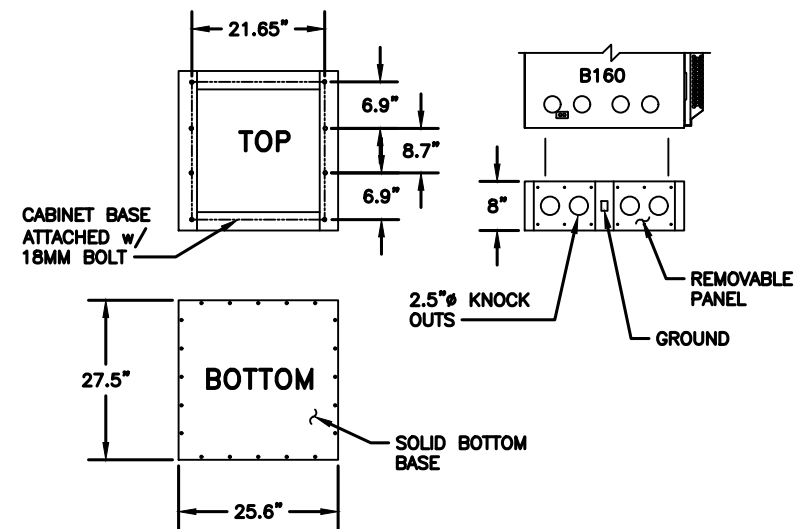
FRONT FACE



MANUFACTURER:	ERICSSON
MODEL:	B160 8" BASE FRAME (SXK 125 5010/1)
DIMENSIONS:	8" x 27.5" x 25.6" (H x W x D)
WEIGHT:	60 LBS

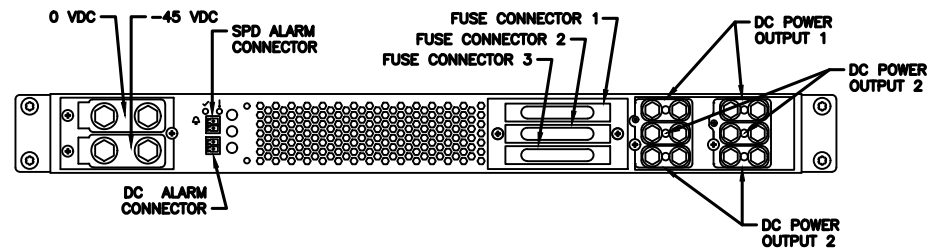
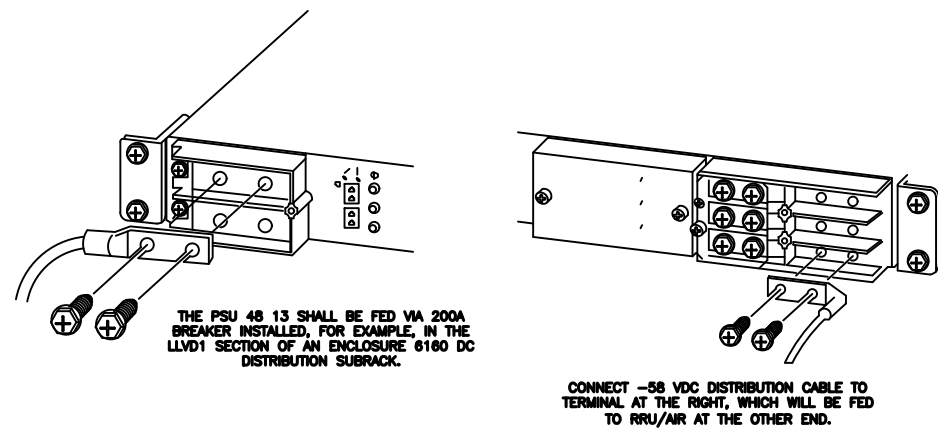
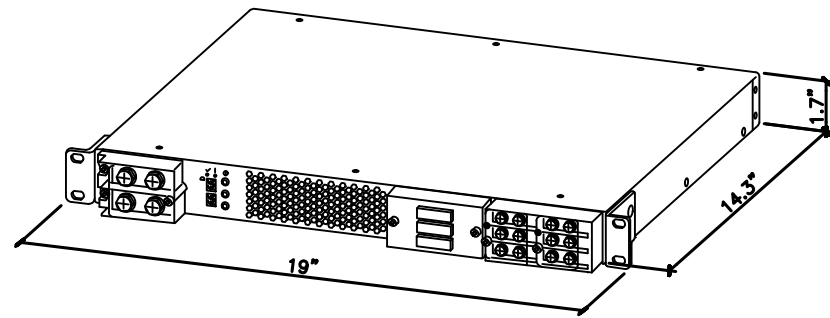


FRONT FACE



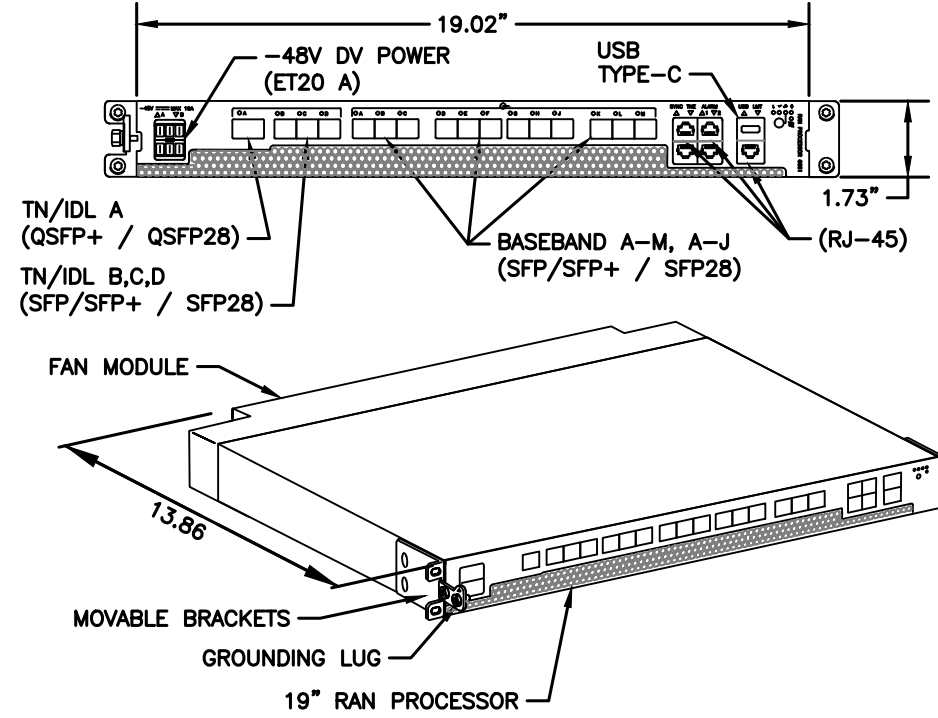
MANUFACTURER: ERICSSON
 MODEL: PSU 48 13
 WEIGHT: 17.1 LBS
 DIMENSIONS: 19"x 1.7"x 14.3"

NEEDED INSTALL KIT (PICK 1)
 34133 PSU4813 INSTALL KIT FOR RBS61XX
 34134 PSU4813 INSTALL KIT FOR PBC6200
 34135 PSU4813 INSTALL KIT FOR 6X60/RBS6230



1 SKU# 34132 - PSU 48 13
 SCALE: N.T.S.

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



2 ERICSSON 6651 RAN PROCESSOR
 SCALE: N.T.S.

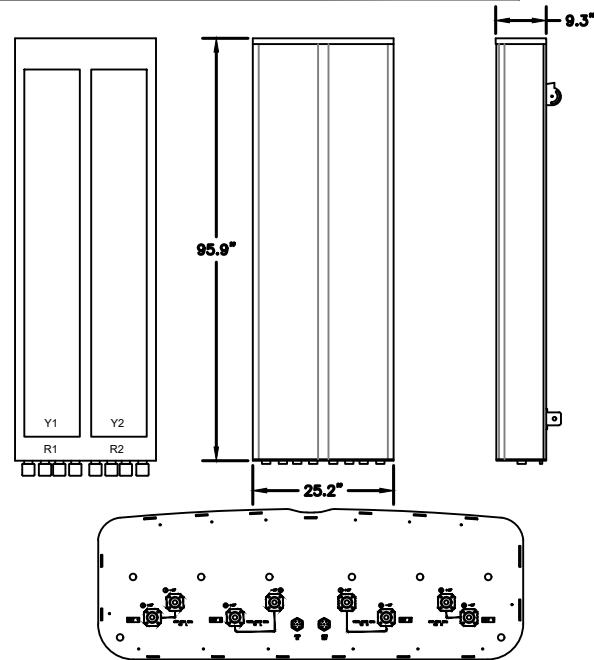
SUPPLEMENTAL

SHEET NUMBER: R-608
 REVISION: 0

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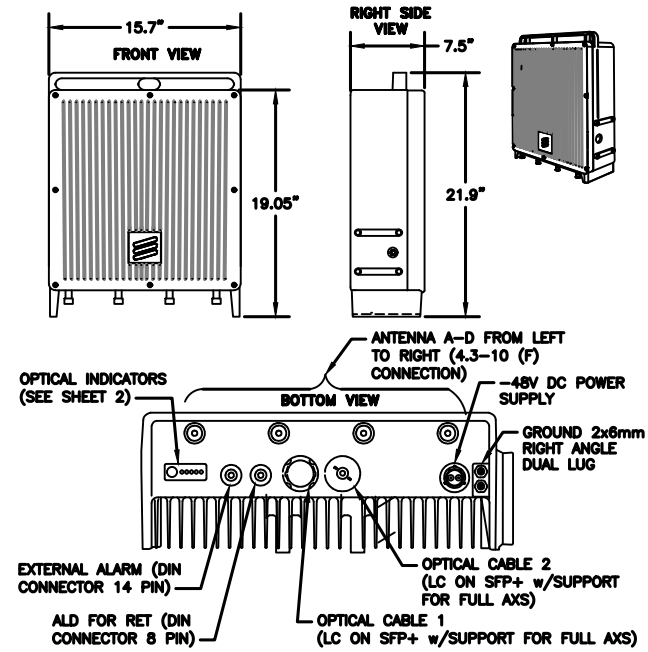
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MANUFACTURER:	COMMSCOPE
MODEL:	FFVV-65C-R3-V1 ANTENNA
DIMENSIONS:	95.9" x 25.2" x 9.3"
WEIGHT:	124.6 LB
BAND:	MULTIBAND (8 PORT)
MOUNTING KIT:	BSAMNT-4 & BSAMNT-M4 (INCLUDED)



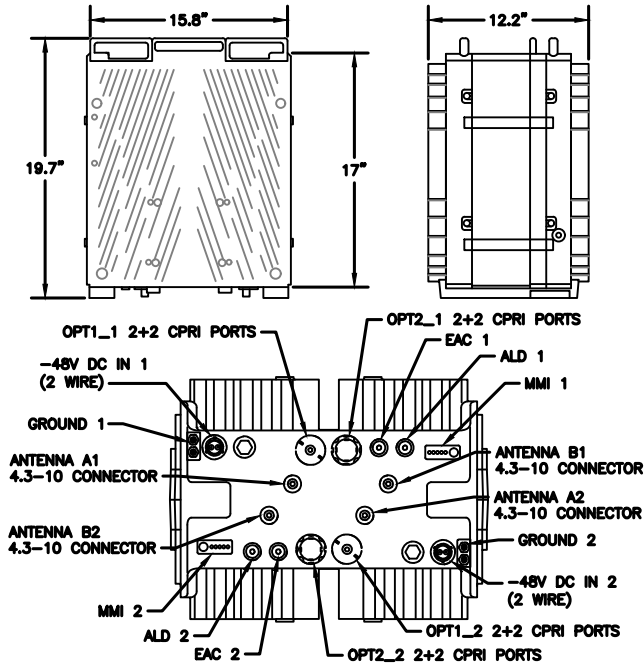
1 COMMSCOPE FFVV-65C-R3-V1
SCALE: N.T.S.

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



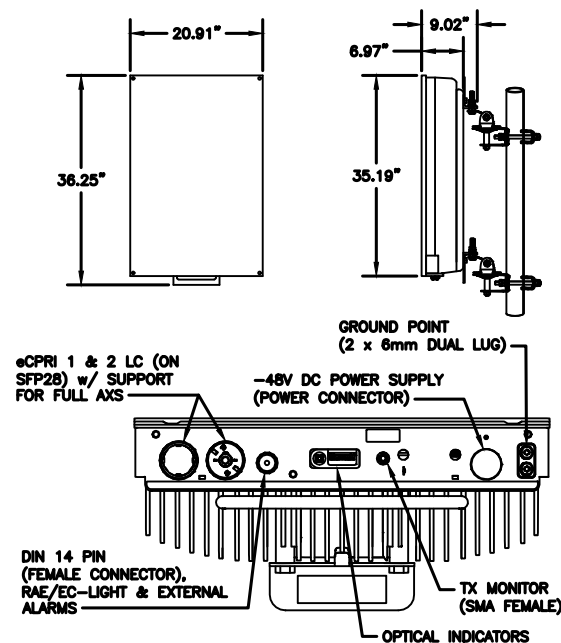
2 ERICSSON 4480 RADIO B71 B85
SCALE: N.T.S.

MANUFACTURER:	ERICSSON
MODEL:	4480 RADIO B2/25 B66 (KRC 161 912/3)
DIMENSIONS:	19.7" x 15.8" x 12.2" (H" x W" x D")
WEIGHT:	109 LBS
BRACKET WEIGHT:	4.8 LBS (ERS HEAVY #SXX1255983/1)

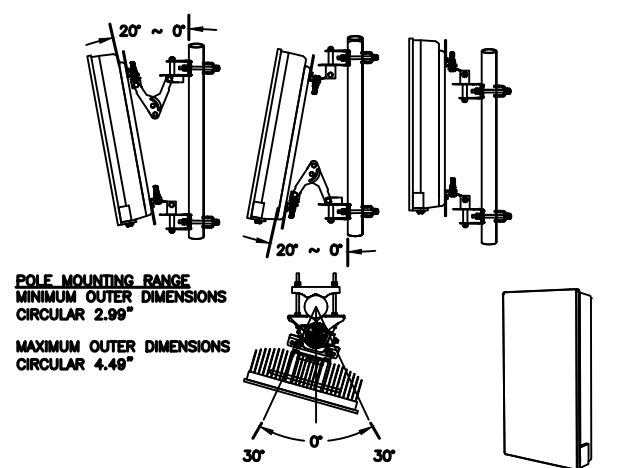
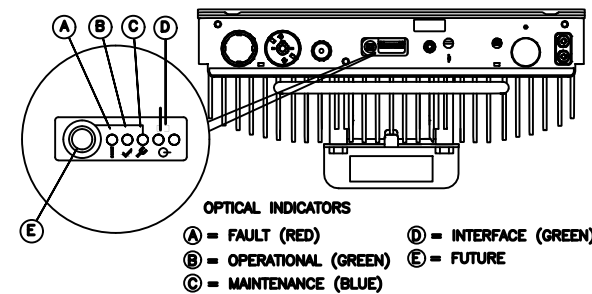


3 ERICSSON 4460 RADIO B2/25 B66
SCALE: N.T.S.

MANUFACTURER:	ERICSSON
MODEL:	AIR 6419 B41 (2.5GHz M-MIMO)
DIMENSIONS:	36.25" x 20.91" x 9.02" NOT TO EXCEED (H x W x D)
WEIGHT:	83 LBS (EXCLUDING MOUNTING KIT)
MOUNT WEIGHT:	13.5 LBS (SXX109 2016/1)



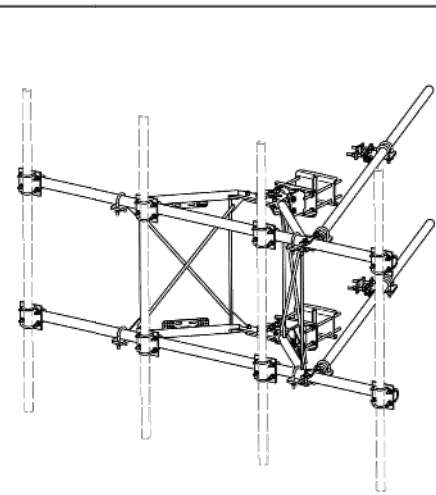
4 ERICSSON AIR 6419 BAND 41
SCALE: N.T.S.



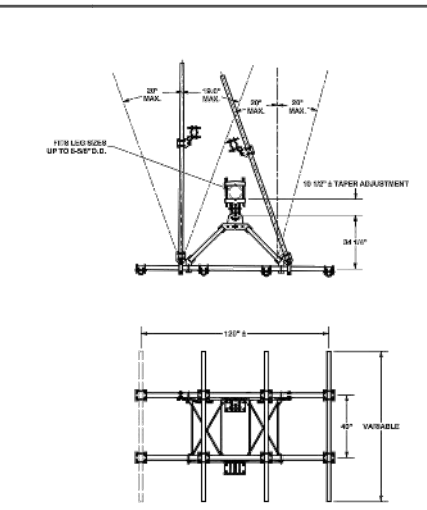
SUPPLEMENTAL

SHEET NUMBER: R-609
REVISION: 0

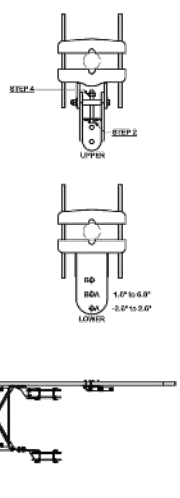
NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.



ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	3-375A	SUPPORT ARM	17.43	142.83	
2	1	X-400A750	CLAMP HOUSING FOR SCAM-10		23.80	23.80
3	1	X-800A750	3/4" T-BOLT TAPER PLATE WELDMENT	35.24	25.56	
4	2	3-375A1L2	VFA-10 PINNED PLATE	12.00	15.88	31.77
5	2	3-4200A	REAR BRACKET PLATE	12.00	66.85	133.70
6	1	3-100A305	ANGLE ADJUSTMENT WELDMENT FOR SCAM-10		62.30	62.30
7	4	3-077B	3/8" HEX NUT TIE-BACK PLATE	6.50	0.87	3.48
8	1	3-100A305	POSITIONING PLATE FOR SCAM-10		2.58	2.58
9	4	3-750A	TIE-BACK CLIP ANGLE		0.91	3.64
10	8	3-042	DESSOLDER PLATE	7.00	4.80	38.40
11	4	3-050	CLAMP BAR 1/2" DIA. 11.50" LONG	11.50	3.50	14.00
12	8	3-042	1/2" INCH, 3/8" DIA. 1/2" TO CENTER CLAMP HALF	8.50	0.30	2.40
13	2	3-100A	2-3/8" X 1/2" 304L SS GALVANNEAL PIPE	126.00	42.15	84.30
14	2	3-100A	2-3/8" O.D. X 1/2" 304L SS PIPE	126.00	64.03	128.06
15	4	3-042	3/8" X 1/2" 304L SS BOLT (A307)	8.50	0.46	3.68
16	4	3-050	3/8" 304L SS PLATYNER		1.88	7.52
17	4	3-042L	3/4" HDG LOCKWASHER		0.04	0.17
18	4	3-042L	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
19	8	3-050-15	3/4" X 1/2" THREADED ROD (HDG)	15.00	3.60	28.80
20	4	3-050-12	3/4" X 1/2" THREADED ROD (HDG)		1.56	6.24
21	4	3-050-8	3/4" X 1/2" THREADED ROD (HDG)		0.70	2.79
22	4	3-050-4	3/4" X 1/2" THREADED ROD (HDG)		1.15	4.60
23	8	3-042L150	3/4" X 1/2" X 15" U-BOLT (HDG)		1.50	12.00
24	2	3-050	3/4" X 1/2" HDG HEX BOLT (ENFILL THREAD)	7.00	0.20	1.41
25	1	3-050	3/4" X 1/2" HDG HEX BOLT (ENFILL THREAD)	8.00	0.22	1.74
26	8	3-050	3/4" X 1/2" HDG HEX BOLT (ENFILL THREAD)		0.46	3.68
27	4	3-050	3/4" X 1/2" HDG HEX BOLT (ENFILL THREAD)		0.97	3.88
28	8	3-050-15	3/4" X 1/2" HDG HEX BOLT	2.14	0.31	2.50
29	20	3-050	3/4" HDG USS PLATYNER	1.00	0.27	5.40
30	80	3-050	3/4" HDG LOCKWASHER		2.50	200.00
31	71	3-042L17	3/4" HDG HEAVY 2H HEX NUT		0.13	9.27
32	32	3-042L150	3/4" X 1/2" X 15" U-BOLT		3.16	101.92
33	16	3-042L12	3/4" X 1/2" X 12" U-BOLT (HDG)		0.80	12.80
34	84	3-042L	3/4" HDG USS PLATYNER (SS)	2.00	0.55	46.32
35	80	3-042L	3/4" HDG LOCKWASHER		1.91	152.80
36	84	3-042L17	3/4" HDG HEAVY 2H HEX NUT		0.97	81.48
TOTAL WT. # 712.44						



- ANGLE CALIBRATING PROCEDURE:**
- MEASURE TOWER TAPER AND PICK LOWER BRACKET TO ADJUST FRAME TO DESIRED TAPER.
 - TORQUE LOCKING BOLTS TO 100 LB-FT.
 - ADVANCE LOCKING NUT TO POSITIONING PLATE, THEN TIGHTEN.



TOLERANCE NOTES

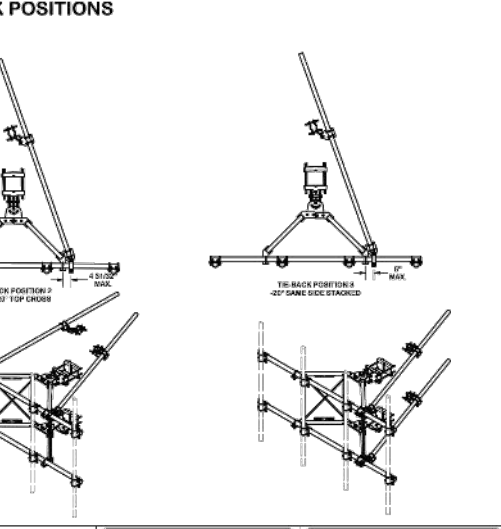
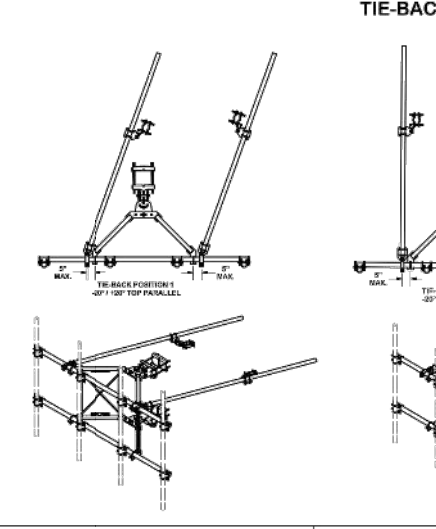
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWS, SHEARS AND GAS CUT EDGES (AS APPLD) DRILLED AND GAS CUT HOLES (IF APPLD) - NO CORING OF HOLES LARGER CUT EDGES AND HOLES (IF APPLD) - NO CORING OF HOLES ALL OTHER MACHINING (IF APPLD) ALL OTHER ASSEMBLY (IF APPLD)

DESCRIPTION	10" 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS
DATE	12/14/2017
DESIGNED BY	CEK
CHECKED BY	CEK
APPROVED BY	CEK
DATE	12/14/2017
DESCRIPTION OF REVISIONS	
REVISION HISTORY	

TOLERANCE NOTES

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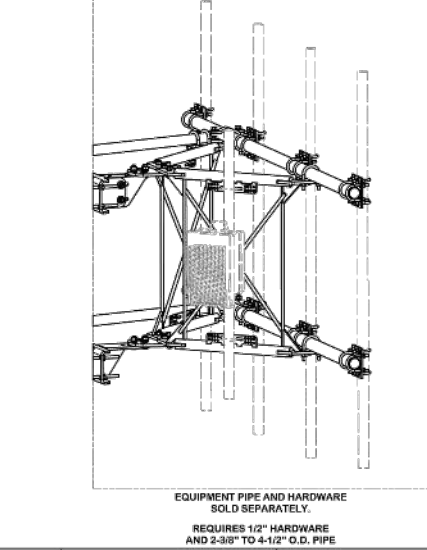
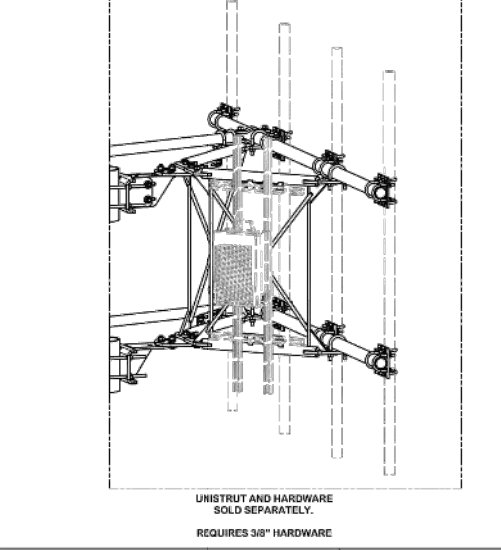
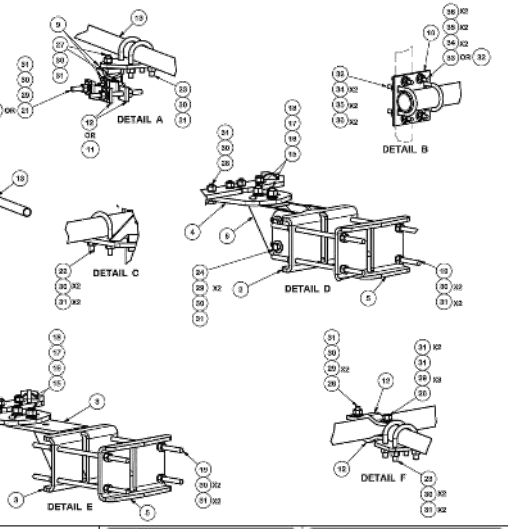
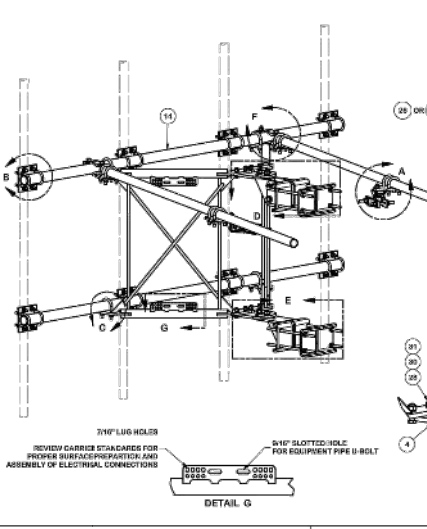
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SUPPLEMENTAL

SHEET NUMBER:
R-610

REVISION:
0

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

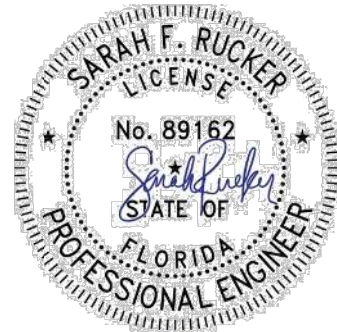


Mount Analysis Report

ATC Asset Name : Thomas ARP3 Raw Land FL
ATC Asset Number : 417361
Engineering Number : 14430235_C8_02
Mount Elevation : 265 ft
Proposed Carrier : T-Mobile
Carrier Site Name : 9JK1875 (UsA)
Carrier Site Number : 9JK1875A
Site Location : 744 NW Spradley Road
 Lake City, FL 32055-5951
 30.3663, -82.6294
County : Columbia
Date : March 30, 2023
Max Usage : 52%
Analysis Result : Contingent Pass

Prepared By:
 Sarah Abdallah
 Structural Engineer

Reviewed By:



This item has been electronically signed and sealed by Sarah F. Rucker, PE on the date shown using a digital signature. Printed copies are not considered signed and sealed and the signature must be verified on any electronic copies.

Sarah Rucker
 Digitally signed by Sarah Rucker
 Date: 2023.03.31 14:50:36 -04'00'

COA: 9053

Introduction

The purpose of this report is to summarize results of the mount analysis performed for T-Mobile at 265 ft.

Supporting Documents

Specifications Sheet:	Site Pro 1 VFA10-HD, dated June 29, 2018
Radio Frequency Data Sheet:	RFDS ID #9JK1875A, dated November 14, 2022
Reference Photos:	Site photos from 2021

Analysis

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

Basic Wind Speed:	117 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	30 mph (3-Second Gust) w/ 0.25" radial ice concurrent
Codes:	ANSI/TIA-222-H / 2018 IBC / 7th ED (2020) Florida Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.091, S1 = 0.053
Site Class:	D - Stiff Soil
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

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

- Analysis based on new installation of Site Pro 1 VFA10-HD V-Frame(s) (M1000R(500)-4[6]).
- Install P2 (2.375" x 126") antenna mounting pipe (Mount Pipe C1, C2, C3, C4) with Site Pro 1 SCX7-U (or approved equivalent) crossover plate kits.
- No structural failures were addressed with the noted contingencies. Contingencies address Carrier's antenna spacing requirements.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.