



T-Mobile
Cullen Morgan
Site Acquisition Consultant
750 W Center Street
Suite 301
West Bridgewater, MA 02379
(941) 549-7263
cmorgan@clinellc.com

July 12, 2023

ATTN: Melanie A. Bachman, Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

**RE: Commencement of Construction Activity – EM-T-MOBILE-031-220909
36 Mohawk Mountain Road, Goshen, CT 06756**

Dear Ms. Bachman:

The purpose of this letter is to notify the Siting Council that the construction activity associated with the above-referenced T-Mobile telecommunications facilities has been completed. Additionally, please see the attached FSSI Letter and construction complete photos as required by the Council.

If you have any questions or need any additional information regarding these facilities, please do not hesitate to contact me.

Respectfully,

Cullen Morgan
Site Acquisition Consultant
Centerline Communications, LLC (Agent to T-Mobile)
Mobile: (941) 549-7263
cmorgan@clinellc.com

750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725

Compound Overview (Northern View)



Compound Overview (Southern View)



Compound Overview (Eastern View)



Compound Overview (Western View)



Overview of lease area (Northern View)



Overview of lease area (Southern View)



Overview of lease area (Western View)



Overview of lease area (Eastern View)



Alpha Sector Overview (Ground View)



Beta Sector Overview (Ground View)



Gamma Sector Overview (Ground View)



Site Signage





May 31, 2023

To: Town of Cornwall – Building Department
183 Main Street
Cornwall, NY 12518

Re: **ATC Site Name:** CORNWALL CT
ATC Site Number: 88009
T-Mobile Site Number: CTNH545A
ATC Site Address: 36 Toomey Rd.,
Cornwall, Litchfield CT 06759-4232 United States

To whom it may concern,

T-Mobile installed at the telecommunications facility at the above location. We have reviewed the provided construction photos and As-Built Drawings and have provided comments on the installation in the following summary. The installation was found to be in compliance with the issued construction drawings and applicable building codes.

Equipment Removed:

- (3) ANTENNA(s), (1) RBS 6102 CABINET AND (6) RRU(s)

Equipment Installed:

- (6) ANTENNA(s), (3) RRU(s), (1) HYBRID TRUNK 6/24 4AWG CABLE(s), (1) 6160 CABINET AND (1) B160 BATTERY CABINET

Discrepancy Note:

- None



Please contact the engineer of record at AE@americantower.com with any questions regarding this matter.

Thank you,
American Tower Corporation





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CORPORATION

Photo	Description
 <p>DIRECTION 317 deg(T) 41.82129°N ACCURACY 5 m 073.29654°W DATUM WGS84</p> <p>CTINR54 GAMMA POST CL-50 10T-0 AL-280</p> <p>Taken With Context Camera</p> <p>2023-02-20 09:45:25-05:00</p>	<p>Description: Antenna Tape Drop:</p> <ul style="list-style-type: none">• Installation at RAD 56' <p>Note: Construction drawings depict a RAD of 56'</p> <p>Recommendation: No Action Required</p>
 <p>DIRECTION 296 deg(T) 41.82132°N ACCURACY 4 m 073.29649°W DATUM WGS84</p> <p>Taken With Context Camera</p> <p>2023-02-20 11:43:29-05:00</p> <p>DIRECTION 170 deg(T) 41.82134°N ACCURACY 4 m 073.29651°W DATUM WGS84</p> <p>Taken With Context Camera</p> <p>2023-02-20 11:45:44-05:00</p>	<p>Description: Installation of Equipment:</p> <ul style="list-style-type: none">• Antenna Mounting solution <p>Recommendation: No Action Required</p>



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Description: Installation of Equipment:

- Gamma Sector, 1RRU and 2 antennas

Recommendation:

No Action Required

Photo	Description
	<p>Description: Installation of Equipment:</p> <ul style="list-style-type: none">• Alpha sector, 1 RRU and 2 Antennas <p>Recommendation: No Action Required</p>
	<p>Description: Installation of Equipment:</p> <ul style="list-style-type: none">• Beta sector, 1 RRU 2 Antennas <p>Recommendation: No Action Required</p>



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Description: Installation of Equipment:

- B160 Battery Cabinet

Recommendation:

No Action Required

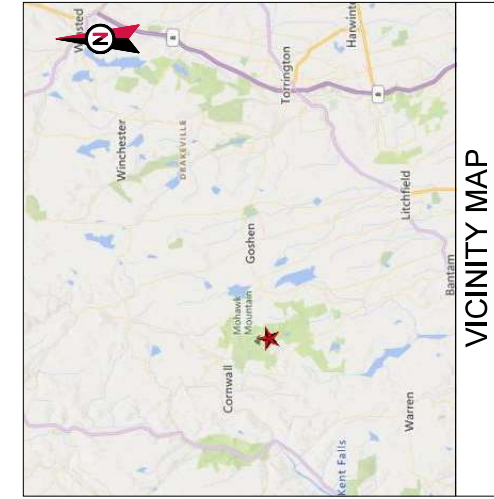


Description: Installation of Equipment:

- HYBRID TRUNK 6/24 4AWG CABLE

Recommendation:

No Action Required



VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: CORNWALL CT
 ATC SITE NUMBER: 88009
 T-MOBILE SITE NAME: CTNH545A
 T-MOBILE SITE NUMBER: CTNH545A
 SITE ADDRESS: 36 TOOMEY RD.
 CORNWALL, CT 06759

**T-MOBILE ANCHOR AMENDMENT PLAN
 67D5D998E 6160 CONFIGURATION**



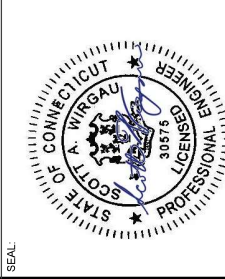
LOCATION MAP

AMERICAN TOWER®
 A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: 919.468.0112
 COX: RECJ001563

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. ANY USE OF THESE DRAWINGS FOR ANY OTHER PROJECTS TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER SHALL BE RESPONSIBLE FOR ANY CONTRACTOR'S FAILURE TO VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES PRIOR TO ISSUANCE OF THIS DRAWING. THESE DRAWINGS ARE THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
01	FOR CONSTRUCTION	JD	06/13/22

ATC SITE NUMBER:
88009
 ATC SITE NAME:
CORNWALL CT
 T-MOBILE SITE NAME:
CTNH545A
 SITE ADDRESS:
36 TOOMEY RD,
CORNWALL, CT 06759



T-Mobile

DATE DRAWN: 06/13/22
 ATC JOB NO: 14095060_G3
 CUSTOMER ID: CTNH545A
 CUSTOMER #: CTNH545A

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 INTENDED TO BE PERFORMED UNLESS IT CONFORMS TO THESE CODES. 1. INTERNATIONAL BUILDING CODE (IBC) 2. NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES		PROJECT ADDRESS: 36 TOOMEY RD. CORNWALL, CT 06759 COUNTY: LITCHFIELD GEOGRAPHIC COORDINATES: LATITUDE: 41.82133837 LONGITUDE: -73.29644628 GROUND ELEVATION: 1676 AMSL		THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: REMOVE (5) ANTENNA(S) AND (6) RRU(S) INSTALL (6) ANTENNA(S), (3) RRU(S), AND (1) HYBRID TRUNK G24 4AWG CABLE(S) EXISTING (3) ANTENNA(S), (3) RRU(S), AND (3) ERICSSON 6X12 HCS CABLE(S) TO REMAIN GROUND WORK: REMOVE (1) RBS 6102 CABINET INSTALL (1) B160 CABINET AND (1) B160 BATTERY CABINET		SHEET NO.: G-001 G-002 C-001 C-102 C-201 C-401 E-501 R-601 R-602 R-603 R-604 R-605 R-606 R-607 R-608		DESCRIPTION: TITLE SHEET GENERAL NOTES DETAILED SITE PLAN DETAILED EQUIPMENT PLAN TOWER ELEVATION ANTENNA INFORMATION & SCHEDULE CONSTRUCTION DETAILS GROUNDING DETAILS SUPPLEMENTAL SUPPLEMENTAL SUPPLEMENTAL SUPPLEMENTAL SUPPLEMENTAL SUPPLEMENTAL SUPPLEMENTAL SUPPLEMENTAL	
PROJECT TEAM TOWER OWNER: AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 ENGINEER: ATC TOWER SERVICES, LLC 3500 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 PROPERTY OWNER: PNL NO VENDOR 36 TOOMEY RD. CORNWALL, CT 06759		PROJECT NOTES 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND USE OR VISUAL IMPACT OR 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 FACILITY REQUEST ENTITLED TO EXPEDITED CONSIDERATION. EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (b)(7).		PROJECT LOCATION DIRECTIONS FROM HARTFORD, CT TAKE I-84 WEST TO RT 4 WEST. FOLLOW RT 4 WEST TO THE STATE FOREST. TURN RIGHT ONTO ALLYN ROAD. ALLYN ROAD WILL TURN INTO MOUNTAIN ROAD WHERE THE STATE FOREST BEGINS. FOLLOW MOUNTAIN ROAD TO THE TOP OF THE MOUNTAIN. ATC TOWER IS THE FIRST ONE ON THE LEFT AT THE TOP.		AUTHORIZED BY "EOR" 4 Jun 2022 03:12:05			





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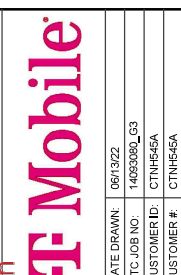
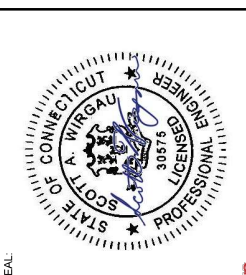
REV.	DESCRIPTION	BY	DATE
A	FOR CONSTRUCTION	J.D.	06/13/22

ATC SITE NUMBER:
88009

ATC SITE NAME:
CORNWALL CT

T-MOBILE SITE NAME:
CTNH545A

SITE ADDRESS:
36 TOOMEY RD,
CORNWALL, CT 06759



DATE DRAWN: 06/13/22

ATC JOB NO.: 14093060_G3

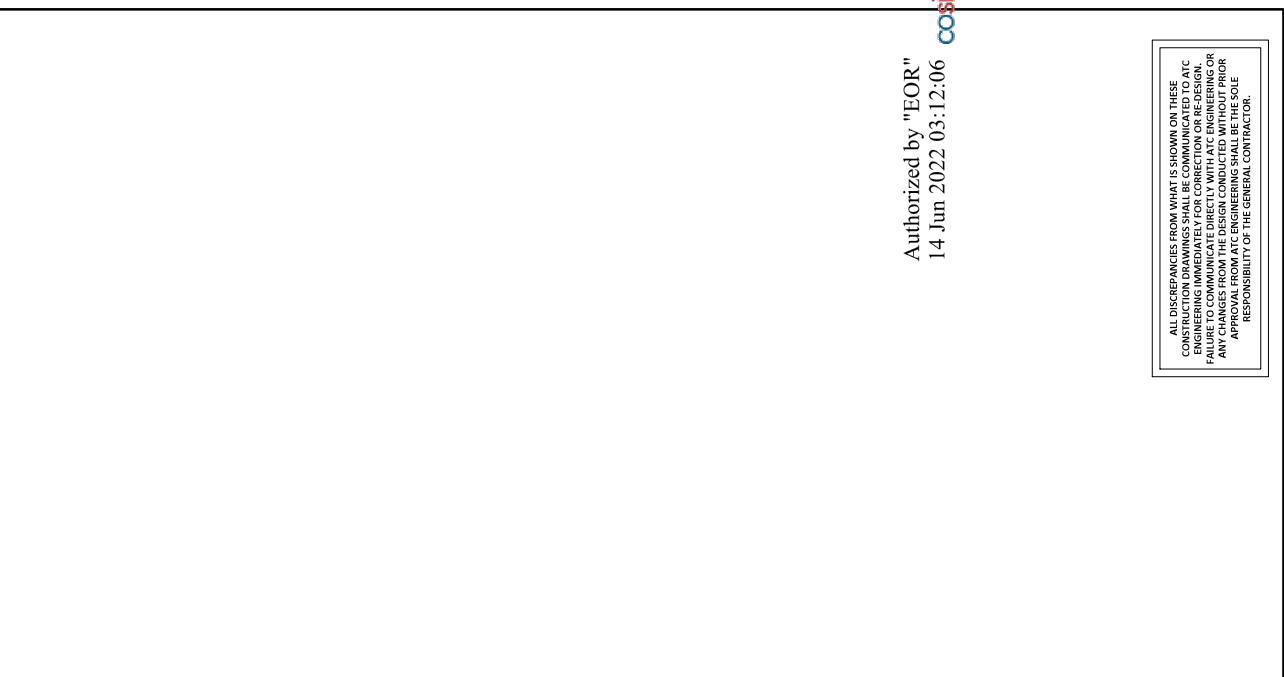
CUSTOMER ID: CTNH545A

CUSTOMER #: CTNH545A

GENERAL NOTES

SHEET NUMBER:
G-002

REVISION:
0



1. OWNER FURNISHED MATERIALS: T-MOBILE THE COMPANY WILL PROVIDE AND THE CONTRACTOR WILL INSTALL.

2. 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.

3. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH T-MOBILE SPECIFICATIONS AND REQUIREMENTS.

4. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO T-MOBILE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

5. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.

6. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASPECTS OF THE CONSTRUCTION OF THE PROJECT, INCLUDING THE OBTAINING OF ALL NECESSARY PERMITS AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

7. CONTRACTOR SHALL NOTIFY T-MOBILE REP A MINIMUM OF 48 HOURS IN ADVANCE OF SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.

8. 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 INCLUDING Scaffolding, Temporary Shoring, Scaffolding, Trench Boxes/Loading Barriers, ETC.

9. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE ALL EXISTING FACILITIES AND REPRESENTATIVES, OR BY THE ELEMENT'S DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS SUBSIDIARIES, CONTRACTORS, AGENTS, EMPLOYEES, OR OTHER PERSONS, SHALL BE RESPONSIBLE FOR THE WORK OF ANY OTHER CONTRACTOR. SHALL BE REPAIRED AT THE EXPENSE TO THE OWNER'S SATISFACTION.

10. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER. 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 RE-DOED, AND/OR REWORKED AT CONTRACTOR'S EXPENSE UNTIL APPROVAL IS OBTAINED.

11. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.

12. T-MOBILE FURNISHED EQUIPMENT SHALL BE PICKED UP AT THE T-MOBILE WAREHOUSE AND INSTALLED BY THE CONTRACTOR WITH ALL APURTAINANCES REQUIRED TO PLACE EQUIPMENT ON SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EQUIPMENT AFTER PICKING IT UP.

13. T-MOBILE OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT THAT DOES NOT MEET THE SPECIFICATIONS AND REQUIREMENTS OF THE CONTRACT DOCUMENTS EITHER BEFORE OR AFTER INSTALLATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REWORK OF ANY EQUIPMENT THAT DOES NOT MEET THE SPECIFICATIONS AND REQUIREMENTS OF THE CONTRACT AT NO COST TO T-MOBILE OR HIS ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION NOTES:
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. CONTRACTOR 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 SWAN REFLECTOMETER TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED PDS MINIMUM FIELD TESTING 1000HZ. 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. WEATHERPROOF ALL WEATHER-RESISTANT CONNECTIONS BETWEEN ANTENNAS AND EQUIPMENT PER ENTRY PORT LOCATION UNLESS OTHERWISE SPECIFIED.
 - ANTENNA AND COAXIAL CABLE GROUNDING
- ALL WEATHER RESISTANT AND WIRE MESH SURFACE CONNECTIONS ARE TO BE WEATHER-SEALED WITH NIPS CONTACT RESISTANCE TO BE WITHIN 0.01 OHMS OR EQUAL.
- ALL COAXIAL CABLE GROUNDING RITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF

GENERAL CONSTRUCTION NOTES:

- 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.
- 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 MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASPECTS OF THE CONSTRUCTION OF THE PROJECT, INCLUDING THE OBTAINING OF ALL NECESSARY PERMITS AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- CONTRACTOR SHALL NOTIFY T-MOBILE REP A MINIMUM OF 48 HOURS IN ADVANCE OF 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 INCLUDING Scaffolding, Temporary Shoring, Scaffolding, Trench Boxes/Loading Barriers, ETC.
- THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE ALL EXISTING FACILITIES AND REPRESENTATIVES, OR BY THE ELEMENT'S DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS SUBSIDIARIES, CONTRACTORS, AGENTS, EMPLOYEES, OR OTHER PERSONS, SHALL BE RESPONSIBLE FOR THE WORK OF ANY OTHER CONTRACTOR. SHALL BE REPAIRED AT THE EXPENSE TO THE OWNER'S SATISFACTION.
- ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER. 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 RE-DOED, AND/OR REWORKED AT CONTRACTOR'S EXPENSE UNTIL APPROVAL IS OBTAINED.
- IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF 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 AND INSTALLED BY THE CONTRACTOR WITH ALL APURTAINANCES REQUIRED TO PLACE EQUIPMENT ON SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EQUIPMENT AFTER PICKING IT UP.
- T-MOBILE OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT THAT DOES NOT MEET THE SPECIFICATIONS AND REQUIREMENTS OF THE CONTRACT DOCUMENTS EITHER BEFORE OR AFTER INSTALLATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REWORK OF ANY EQUIPMENT THAT DOES NOT MEET THE SPECIFICATIONS AND REQUIREMENTS OF THE CONTRACT AT NO COST TO T-MOBILE OR HIS ARCHITECT/ENGINEER.

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING SERVICES FOR REVIEW AND APPROVAL. 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.

Authorized by "EOR"
14 Jun 2022 03:12:06



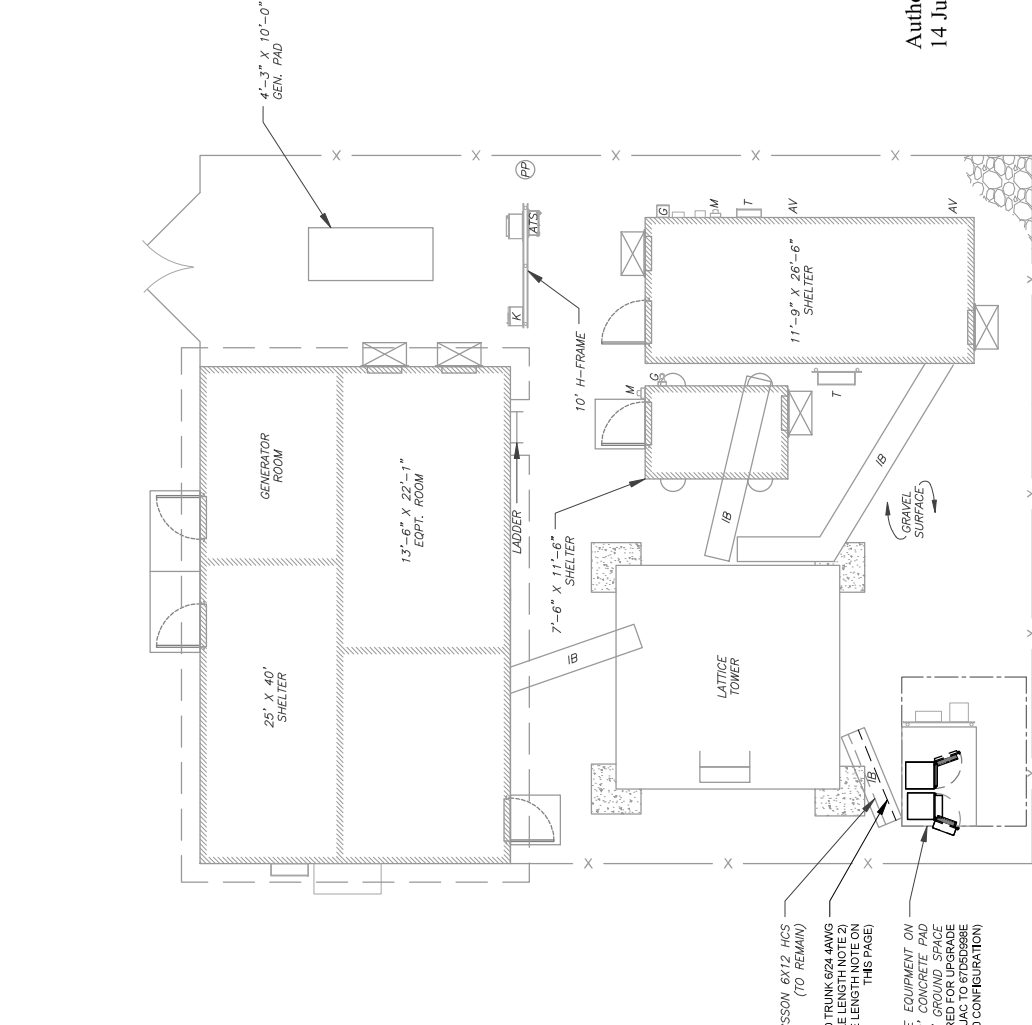
SITE PLAN NOTES:

- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THIS DRAWING. THE ENGINEER 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 PLANS. CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

LEGEND	
⊙	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
H, V	HAND-HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	PELCO
T	TRANSFORMER
TRN	CHANLINK FENCE

PROPOSED CABLE LENGTH:

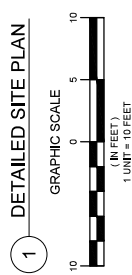
- ESTIMATED LENGTH OF PROPOSED CABLE IS 76'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER TO THE CARRIER. CONTRACTOR SHALL VERIFY THE BRIDGE AND A SAFETY FACTOR (MEASUREMENT OF 15% OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH THE ATC SPECIFICATIONS. CONTRACTOR SHALL UTILIZE EXISTING CABLE SUPPORT STRUCTURES, WHERE 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. CONTRACTOR SHALL VERIFY TO HORIZONTAL GRADIENTS TO THE TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).



EXISTING (3) ERICSSON 6X12 HCS (TO REMAIN)

PROPOSED (1) HYBRID TRUNK 6/24 4AWG (ROUTED PER PROPOSED CABLE LENGTH NOTE 2) (REFER TO PROPOSED CABLE LENGTH NOTE ON THIS PAGE)

EXISTING T-MOBILE EQUIPMENT PAD A 6' X 8' CONCRETE PAD WITHIN A 10' X 12' GROUND SPACE (MODIFIED AS REQUIRED FOR UPGRADE FROM 6/D007C 6102 MWAC TO 6103D3698E 6100 CONFIRMATION)



1 DETAILED SITE PLAN

AMERICAN TOWER
A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CRAWFORD, CT 06424
 PHONE: (860) 468-0112
 COA: PEC0001563

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED, AND USE ON ANY OTHER PROJECT OR AT ANY OTHER LOCATION IS STRICTLY PROHIBITED, NEITHER THE ARCHITECT NOR THE ENGINEER SHALL BE RESPONSIBLE FOR THE CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CONTRACTOR(S) OF ANY DISCREPANCIES PRIOR TO ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	J.D.	06/13/22

ATC SITE NUMBER:
88009

ATC SITE NAME:
CORNWALL CT

T-MOBILE SITE NAME:
CTNH545A

SITE ADDRESS:
 36 TOOMEY RD,
 CORNWALL, CT 06759



T-Mobile

DATE DRAWN: 06/13/22
 ATC JOB NO.: 1405060_G3
 CUSTOMER ID: CTNH545A
 CUSTOMER #: CTNH545A

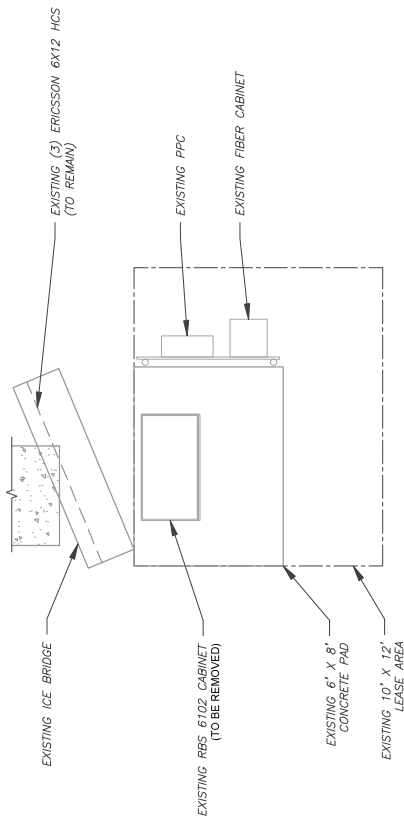
DETAILED SITE PLAN

SHEET NUMBER:	C-101
REVISION:	0

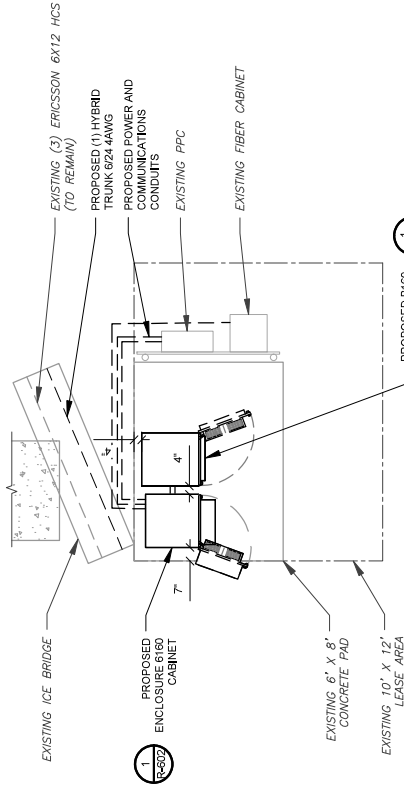
Authorized by "EOR"
 14 Jun 2022 03:12:06

T-MOBILE CM APPROVAL REQUIRED BEFORE INSTALLING CABINETS.

- SITE PLAN NOTES:**
- 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 26 (6001 CAB) EQUIPMENT.
 - ALL OPEN PORTS NEED TO BE SEALED / WEATHERPROOFED PROPERLY
 - ALL UNNEEDED / EXCESS EQUIPMENT AND GARBAGE TO BE REMOVED FROM EQUIPMENT AREA, DISPOSE OF MATERIALS PROPERLY OFF SITE.



1 EXISTING GROUND EQUIPMENT LAYOUT



2 PROPOSED GROUND EQUIPMENT LAYOUT



14 Jun 2022 03:12:06
 Authorized by "EOR"

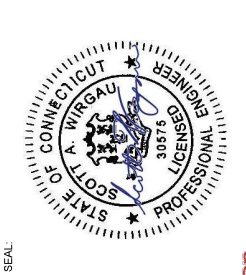


AMERICAN TOWER
 A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 NEW YORK, NY 10018
 PHONE: (212) 462-0112
 COA: PECJ001553

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. ANY USE OF THESE DRAWINGS FOR ANY OTHER PROJECT TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER SHALL BE RESPONSIBLE FOR THE CONTRACTOR(S) FAILURE TO VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES PRIOR TO ISSUANCE OF THIS DRAWING. ANY DISCREPANCY OR CHANGE OF THIS DRAWING IS SUBMITTED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	J.D.	06/13/22

ATC SITE NUMBER:
 88009
 ATC SITE NAME:
 CORNWALL CT
 T-MOBILE SITE NAME:
 CTNH545A
 SITE ADDRESS:
 36 TOOMEY RD,
 CORNWALL, CT 06759



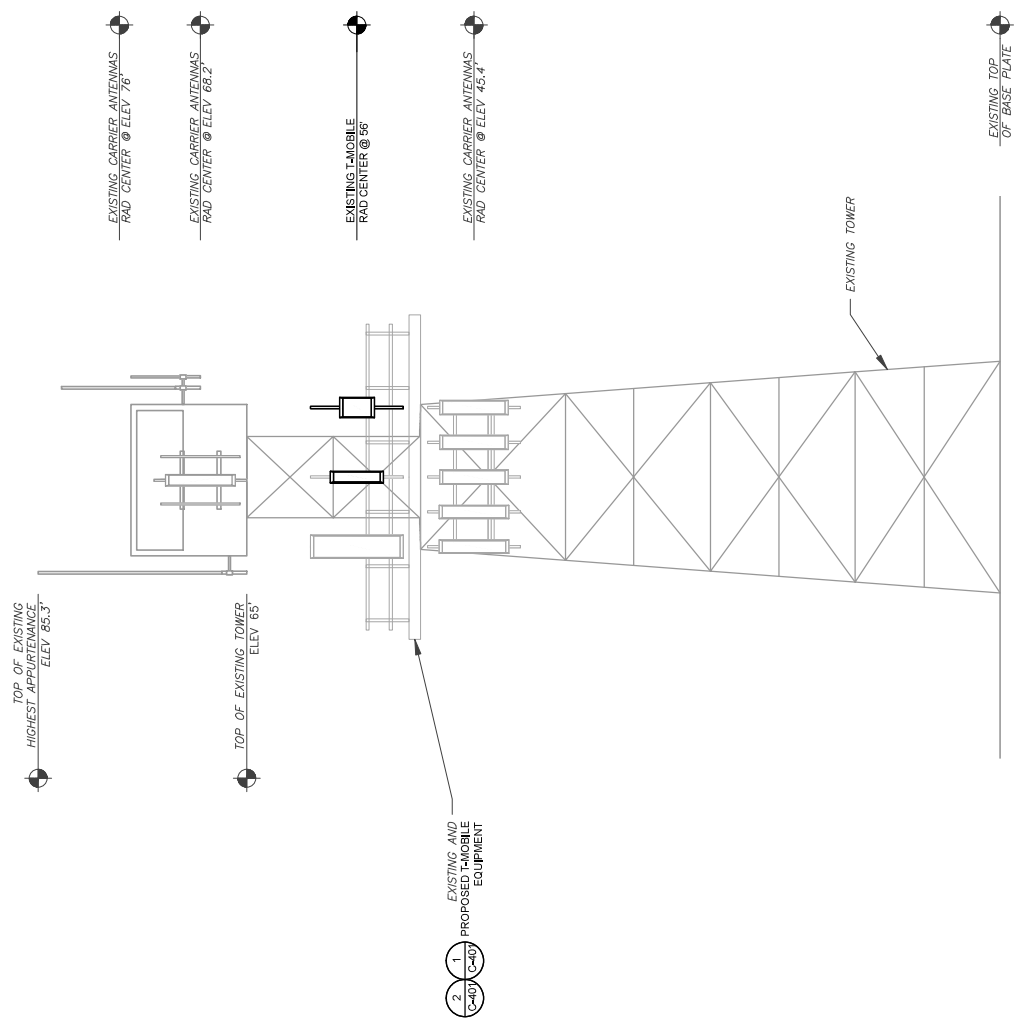
T-Mobile

DATE DRAWN: 06/13/22
 ATC JOB NO: 14055060_G3
 CUSTOMER ID: CTNH545A
 CUSTOMER #: CTNH545A

DETAILED EQUIPMENT PLAN

SHEET NUMBER: **C-102**
 REVISION: **0**

ATC IS ANALYZING THE ANTENNA MOUNT UNDER A SEPARATE PROJECT. CONSTRUCTION IS NOT TO BE COMPLETED UNTIL THIS ANALYSIS IS COMPLETE AND INDICATES THE ADDITIONAL LOADING DOES NOT OVERSTRESS THE MOUNT.



1 TOWER ELEVATION
SCALE: N.T.S.

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 CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS. WHERE APPLICABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS. EQUIPMENT MOUNTS, CABLES, ETC. SHALL BE IN ACCORDANCE WITH THE 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 CABLES. THE CONTRACTOR SHALL PROVIDE FOR CARRIER TO ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY THE STRUCTURAL ANALYSIS. CARRIER AND 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 HATCH STRUCTURAL CENTERLINE. ALL DIMENSIONS SHALL REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.).
- TOWER ELEVATION DEFLECTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

AMERICAN TOWER
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CORNWALL, CT 06759
PHONE: (860) 484-0112
COX: PECJ001553

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REV.	DESCRIPTION	BY	DATE
1/A	FOR CONSTRUCTION	J.D.	06/13/22

ATC SITE NUMBER:
88009

ATC SITE NAME:
CORNWALL CT

T-MOBILE SITE NAME:
CTNH545A

SITE ADDRESS:
36 TOOMEY RD,
CORNWALL, CT 06759

SEAL:

DATE DRAWN: 06/13/22
ATC JOB NO: 14093060_G3
CUSTOMER ID: CTNH545A
CUSTOMER #: CTNH545A

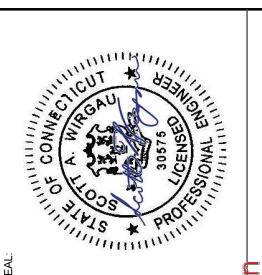
TOWER ELEVATION

SHEET NUMBER:	C-201
REVISION:	0

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. ANY USE OF THESE DRAWINGS FOR ANY OTHER PROJECT OR TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER SHALL BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO VERIFY ALL DIMENSIONS AND CONTRADICTORY INFORMATION OR THE SPECIFICATIONS AND ADVICE AMERICAN TOWER OR THE SPECIFIED CARRIER. AMERICAN TOWER OR THE SPECIFIED CARRIER ASSUMES NO LIABILITY FOR THE ISSUANCE OF THIS DRAWING AS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
A	FOR CONSTRUCTION	J.D.	06/13/22

ATC SITE NUMBER: 88009
 ATC SITE NAME: CORNWALL CT
 T-MOBILE SITE NAME: CTNH545A
 SITE ADDRESS: 36 TOOMEY RD, CORNWALL, CT 06759

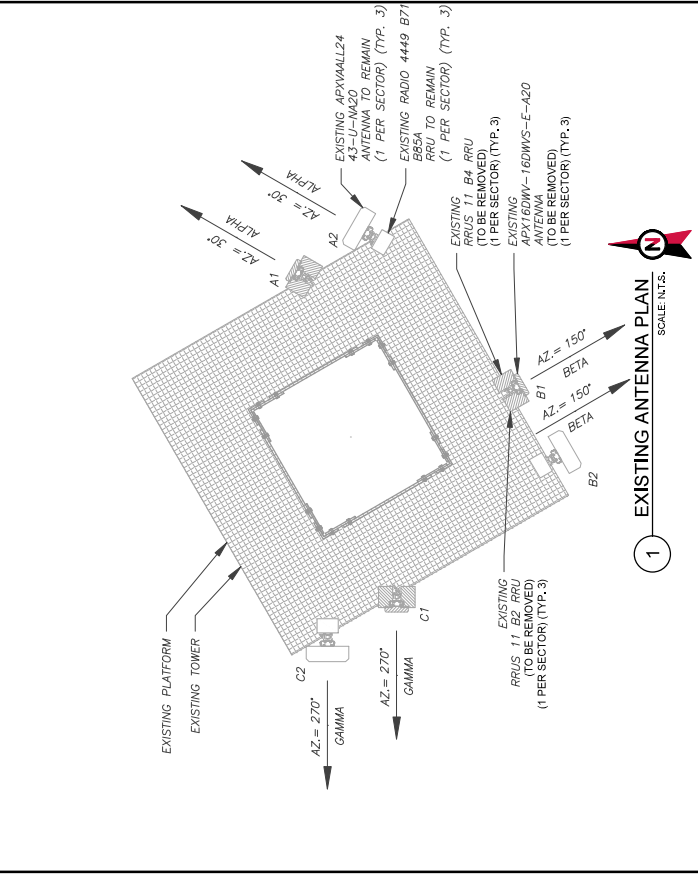
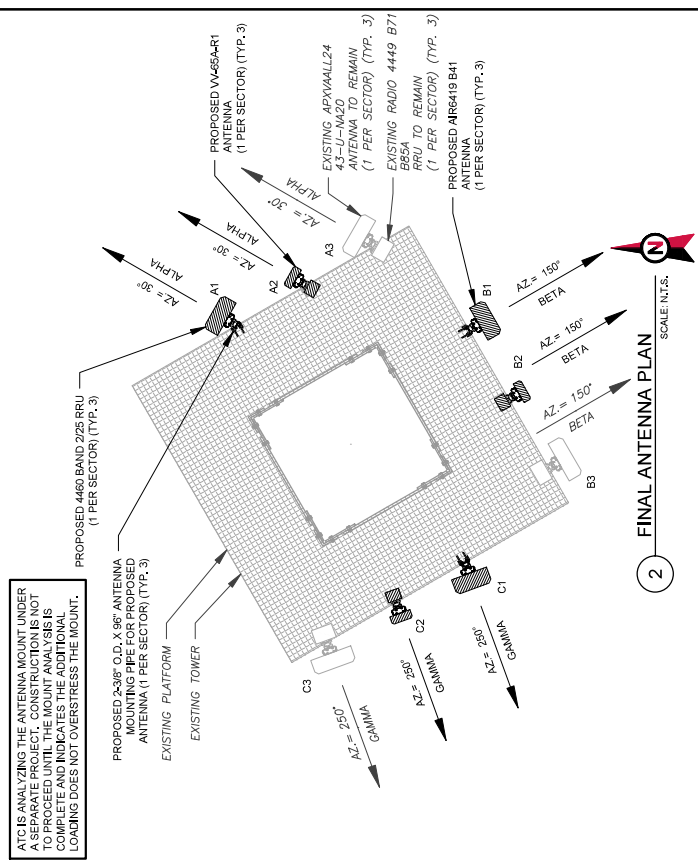


T-Mobile

DATE DRAWN: 06/13/22
 ATC JOB NO: 14053060_G3
 CUSTOMER ID: CTNH545A
 CUSTOMER #: CTNH545A

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER: **C-401**
 REVISION: **0**



SEAL:

FINAL ANTENNA SCHEDULE		ANTENNA SUMMARY		NON ANTENNA SUMMARY	
SECTOR	LOCATION	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS
ALPHA	A1	AR 649 B41	L2500N2500	0"	ADD
	A2	V465A-R1	L2100L1900U1900	0"	ADD
	A3	APYVA4LL24 43-U-NA20	L700/L600/N600	0/2"	R/W
BETA	B1	AR 649 B41	L2500N2500	0"	ADD
	B2	V465A-R1	L2100L1900U1900	0"	ADD
	B3	APYVA4LL24 43-U-NA20	L700/L600/N600	0/2"	R/W
GAMMA	C1	AR 649 B41	L2500N2500	0"	ADD
	C2	V465A-R1	L2100L1900U1900	0"	ADD
	C3	APYVA4LL24 43-U-NA20	L700/L600/N600	0/2"	R/W

NOTES:
 1. CONFIRM WITH T-MOBILE REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN TO CAP ALL UNUSED PORTS.
 2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT VIOLATE TOWER CLIMBING PEGS.
 STATUS ABBREVIATIONS:
 R/W: TO BE REMOVED
 R/M: TO REMAIN
 R/L: TO BE RELOCATED
 ADD: TO BE ADDED

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY.	SIZE, TYPE
---	---	(3)	ERICSSON 6X12 HCS
---	---	(1)	HYBRID TRUNK 624 4AWG

EXISTING ANTENNA SCHEDULE		ANTENNA SUMMARY		NON ANTENNA SUMMARY	
SECTOR	LOCATION	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS
ALPHA	A1	APYVA4LL24 E-A20	U1900/L2100	0/2"	R/W
	A2	APYVA4LL24 43-U-NA20	L700/L600/N600	0/2"	R/W
BETA	B1	APYVA4LL24 E-A20	U1900/L2100	0/2"	R/W
	B2	APYVA4LL24 43-U-NA20	L700/L600/N600	0/2"	R/W
GAMMA	C1	APYVA4LL24 E-A20	U1900/L2100	0/2"	R/W
	C2	APYVA4LL24 43-U-NA20	L700/L600/N600	0/2"	R/W

NOTES:
 1. CONFIRM WITH T-MOBILE REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN TO CAP ALL UNUSED PORTS.
 2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT VIOLATE TOWER CLIMBING PEGS.
 STATUS ABBREVIATIONS:
 R/W: TO BE REMOVED
 R/M: TO REMAIN
 R/L: TO BE RELOCATED
 ADD: TO BE ADDED

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY.	SIZE, TYPE
---	---	(3)	ERICSSON 6X12 HCS
---	---	---	---

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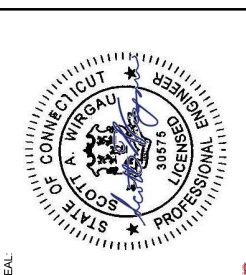
REV.	DESCRIPTION	BY	DATE
1/A	FOR CONSTRUCTION	J.D.	06/13/22

ATC SITE NUMBER:
88009

ATC SITE NAME:
CORNWALL CT

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CTNH545A

SITE ADDRESS:
 36 TOOMEY RD,
 CORNWALL, CT 06759

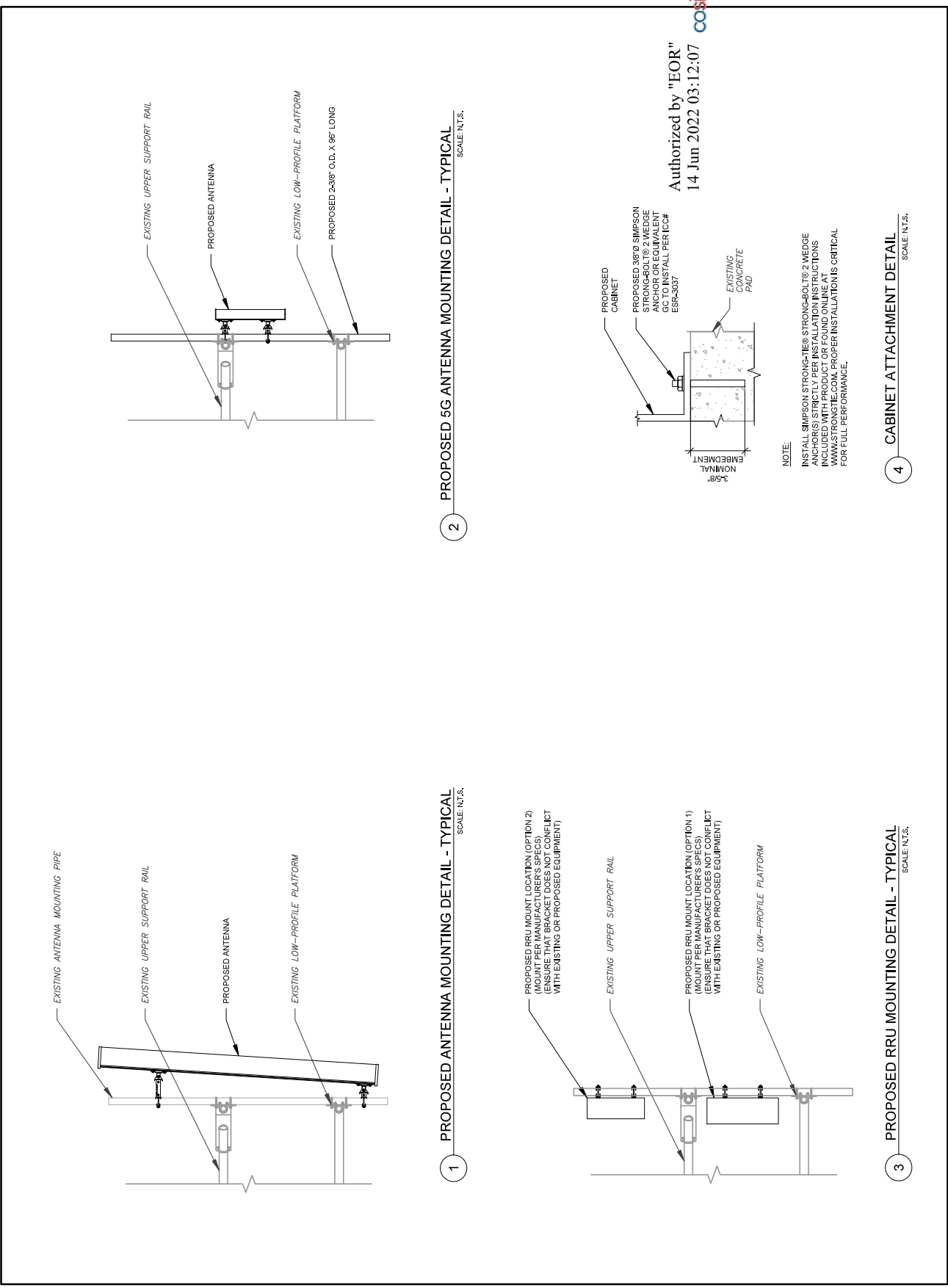


T-Mobile

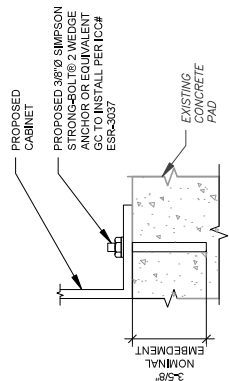
DATE DRAWN: 06/13/22
 ATC JOB NO: 14055060_G3
 CUSTOMER ID: CTNH545A
 CUSTOMER #: CTNH545A

CONSTRUCTION DETAILS

SHEET NUMBER: **C-501**
 REVISION: **0**



Authorized by "EOR"
 14 Jun 2022 03:12:07



NOTE:
 INSTALL SIMPSON STRONG-TIE® STRONG-BOLT® 2 WEDGE ANCHORS PER THE MANUFACTURER'S INSTRUCTIONS INCLUDED WITH PRODUCT OR FOUND ONLINE AT WWW.STRONGTIE.COM. PROPER INSTALLATION IS CRITICAL FOR FULL PERFORMANCE.

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

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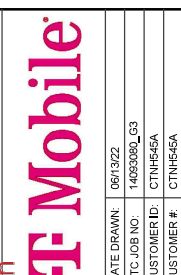
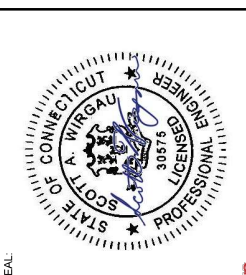
REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	J.D.	06/13/22

ATC SITE NUMBER:
88009

ATC SITE NAME:
CORNWALL CT

T-MOBILE SITE NAME:
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SITE ADDRESS:
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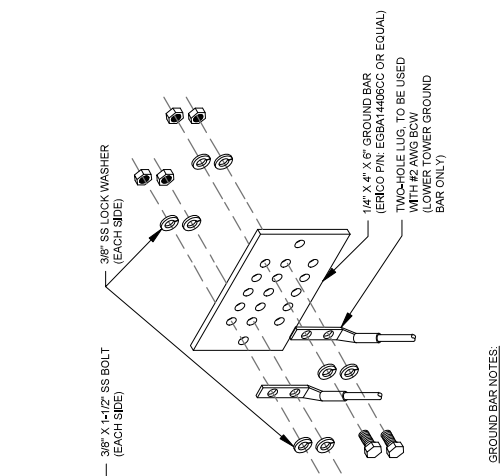


DATE DRAWN:	06/13/22
ATC JOB NO.:	1495060_G3
CUSTOMER ID.:	CTNH545A
CUSTOMER #:	CTNH545A

GROUNDING DETAILS

SHEET NUMBER:
E-501

REVISION:
0



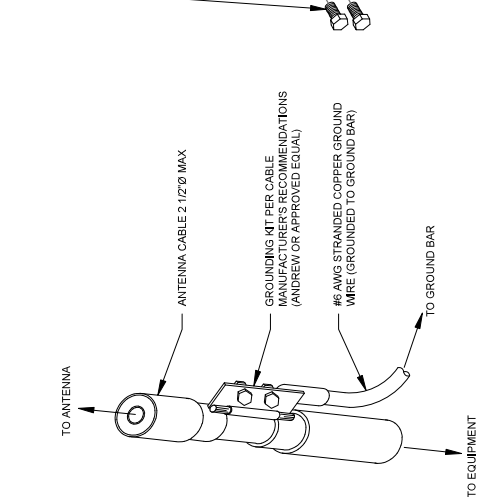
- GROUND BAR NOTES:**
- GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 - GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

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

ELECTRICAL NOTES:

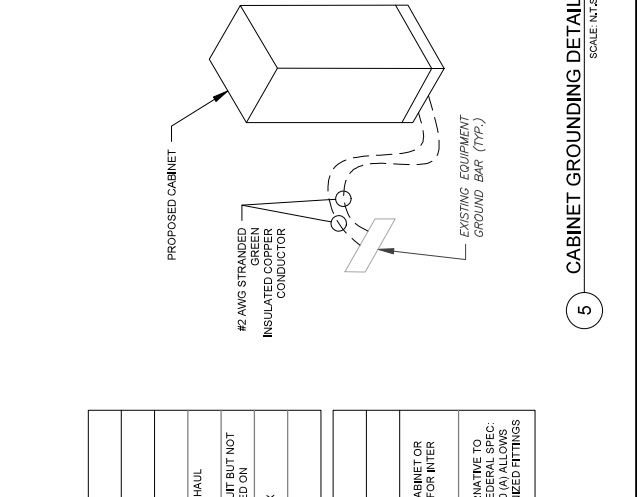
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE T-MOBILE ENGINEERING COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.
- ATC HAS NOT VERIFIED ANY EXISTING T-MOBILE GROUND EQUIPMENT OR ELECTRICAL LOADS. PROPOSED WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE T-MOBILE PROVIDED WIRING DIAGRAM. SUFFICIENT SPACE FOR PROPOSED WORK SHALL BE MAINTAINED AND CONDUIT SHALL BE MINIMUM SIZE PER BELOW IN CHART.
- FOR SPECIFIC CABINET/ANCILLARY EQUIPMENT WIRING REQUIREMENTS, REFER TO THE T-MOBILE PROVIDED WIRING REFERENCE DESIGN DOCUMENTS PROVIDED BY T-MOBILE FOR THIS CURRENT PROJECT CONFIGURATION IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS & NEC STANDARDS & PRACTICES.

OCPP SIZE	WIRE SIZE	GROUND SIZE	CONDUIT SIZE
8DA/2P	#8 AWG	#8 AWG	1-1/4"
1002P	#2 AWG	#8 AWG	1-1/4"
125A/2P	#1 AWG	#8 AWG	1-1/2"
150A/2P	#2/10 AWG	#8 AWG	1-1/2"

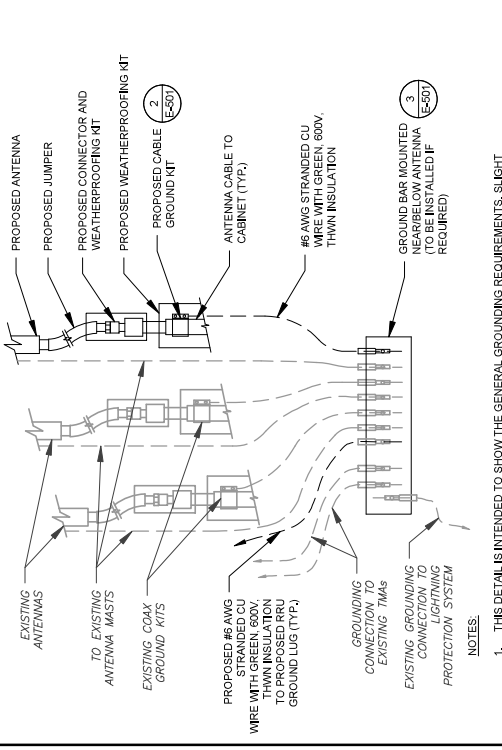


- GROUND KIT NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 - USE THE GROUNDING KIT (ANDREW PART NUMBER 221213) AND INSTALL TAPE PER MANUFACTURER'S SPECIFICATIONS.

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



5 CABINET GROUNDING DETAIL
 SCALE: N.T.S.



- 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.

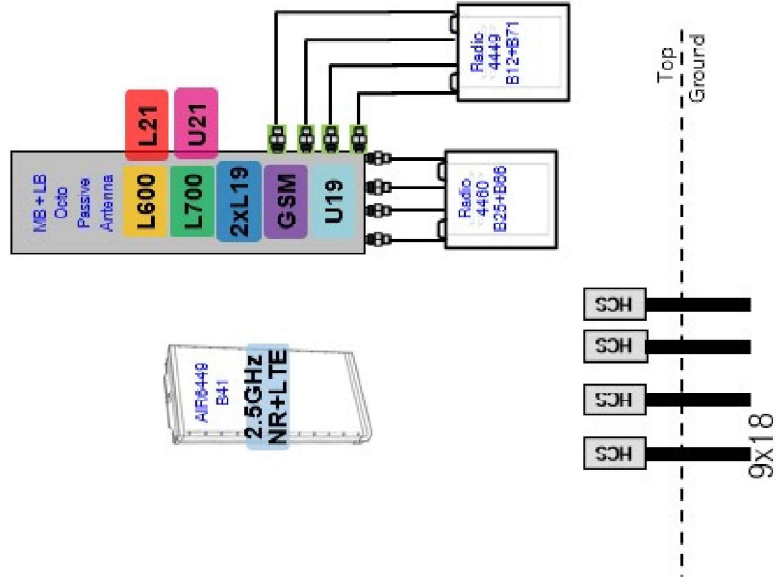
1 TYPICAL ANTENNA GROUNDING DIAGRAM
 SCALE: N.T.S.

STANDARD CONDUIT USE TABLE		USE CASE EXAMPLE
CONDUIT TYPE	LOCATION	
RMC (METALLIC)	ABOVE GROUND	ABOVE GROUND PPCC TO SSC
PVC	UNDERGROUND	UNDERGROUND PPCC TO SSC OR BACKHAUL TRANSPORT HUB TO SSC
LFMC	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 ENVIRONMENT (MUST BE DRY)	CIRCUIT PANEL TO JUNCTION BOX
LFNC	CONCEALING AND PROTECTING BTOW RIBBERS ONLY	GROUND RING TO MGB OR SSC

EXCEPTION CONDUIT USE TABLE		USE CASE EXAMPLE
CONDUIT TYPE	LOCATION	
EMT (NOT PREFERRED)	OUTDOOR DC, COMM	BETWEEN EQUIPMENT AND BATTERY CABINET OR EQUIPMENT TO EQUIPMENT CABINETS FOR INTER CABINET CONNECTION
RMC NONMETALLIC (ALUMINUM)	OUTDOOR/INDOOR PER NEC GUIDELINES	MAT BE USED AS A LOWER COST ALTERNATIVE TO METALLIC RMC. MUST MEET OR EXCEED FEDERAL SPECIFICATIONS. THE USE OF EITHER ALUMINUM OR GALVANIZED FITTINGS

4 CONDUIT USE TABLES
 SCALE: N.T.S.

Final Config: 67D5A998E



2 ANTENNA CONFIGURATION

Proposed RAN Equipment		Template: 67D5A998E 6160	
Enclosure	1	2	3
Enclosure Type	(Enclosure 6160 AC V1)	(Enclosure 6160 AC V1)	(8160)
Backband	(RP 4651) (N2500) (L2500) (L700) (L2100) (L1900) (U200) (L1900) (N200)	(BB 6630) (BB 6648) (L700) (L2100) (L1900) (U200) (L1900) (N200)	(DUW300) (U1900) (RBS9601)
Hybrid Cable System	(Ericsson 1x12 PCS "Sublot Length & AWG" (a 3))	(SUJ 4813 v61A (R)) (Ericsson Hybrid Trunk 6/24 4AWG 30m)	
Transport System		(GR1 D36 v2 (Dmr2))	

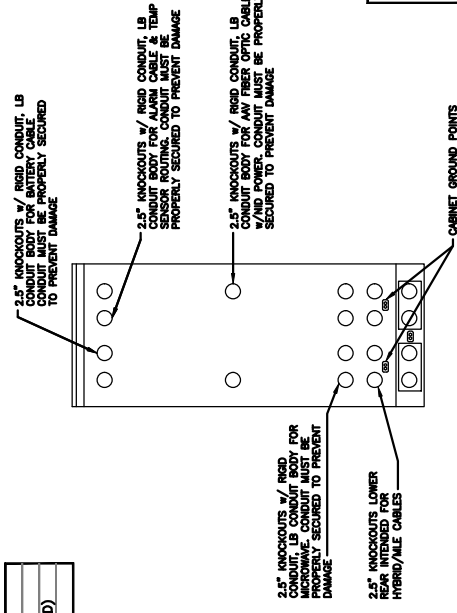
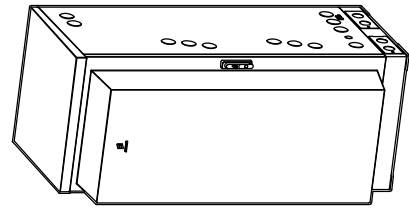
1 CABINET CONFIGURATION

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

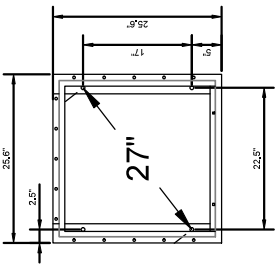
SUPPLEMENTAL

SHEET NUMBER: R-601
REVISION: 0

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



REAR VIEW

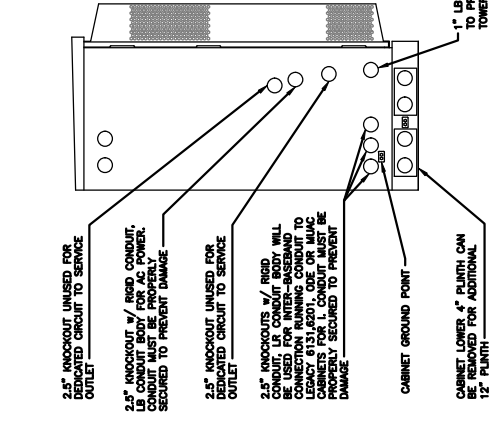


BOLT DOWN PATTERN

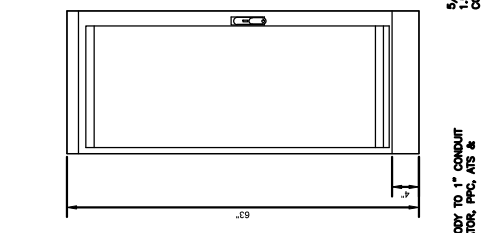
NOTE: CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL THROUGH KNOCKOUTS

- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING

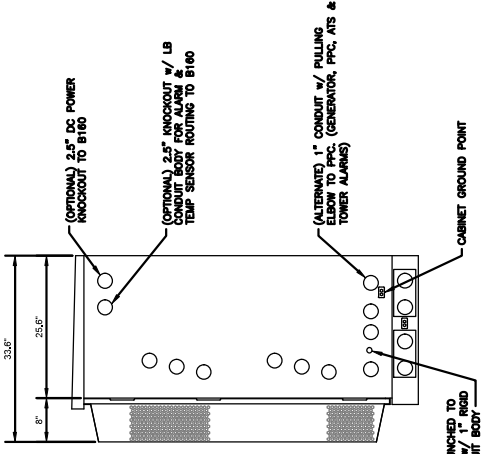
GROUNDING NOTE:
 CABINET GROUNDING TO USE A SINGLE #2 BTWC CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED.



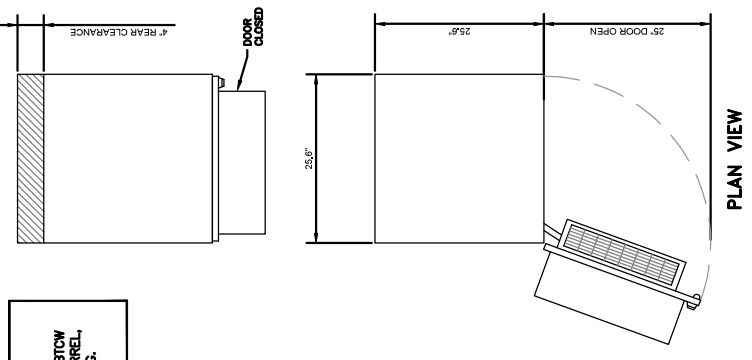
LEFT VIEW



FRONT VIEW



RIGHT VIEW



PLAN VIEW

ERICSSON 6160 SITE SUPPORT CABINET SPECIFICATIONS
 SCALE: N.T.S.

1

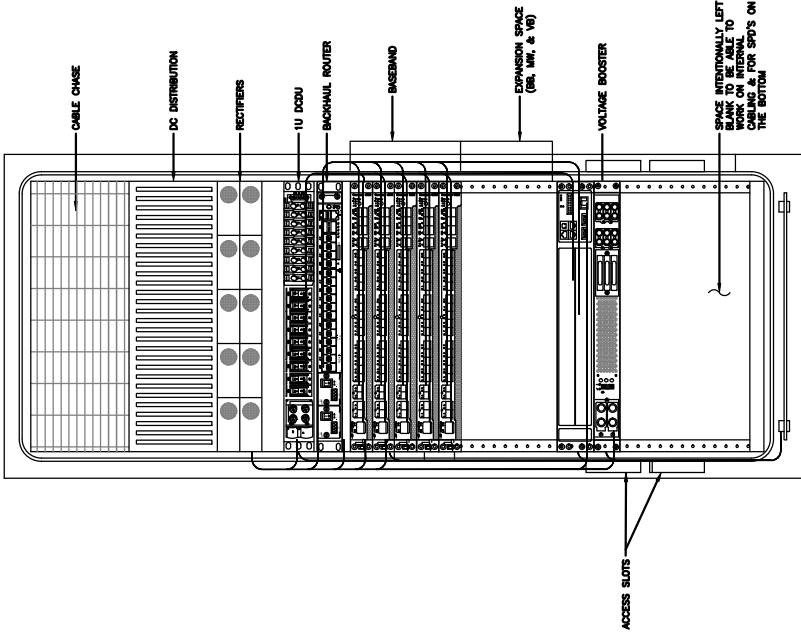
SUPPLEMENTAL

SHEET NUMBER: **R-602**
 REVISION: **0**

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

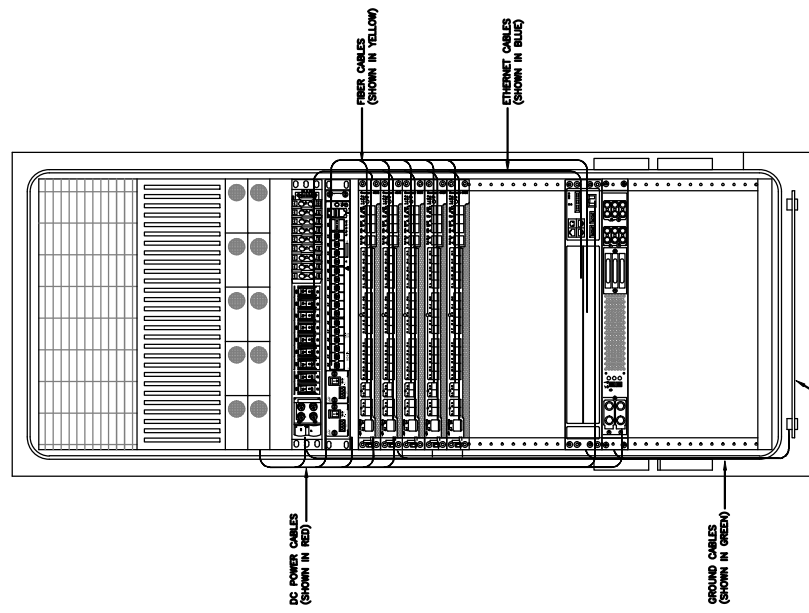
SUPPLEMENTAL

SHEET NUMBER: **R-603**
 REVISION: **0**



FRONT VIEW
(DOOR OPEN)

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	
12	
13	
14	3RD BASEBAND
15	4TH BASEBAND
16	5TH BASEBAND
17	EXPANSION
18	
19	
20	EXPANSION / LEGACY BASEBAND / VOLTAGE BOOSTER
21	
22	VOLTAGE BOOSTER
23	OPEN SPACE FOR SPD ACCESS
24	
25	



INTERNAL ROUTING
(DOOR OPEN)

1 ERICSSON 6160 CABINET DETAILS

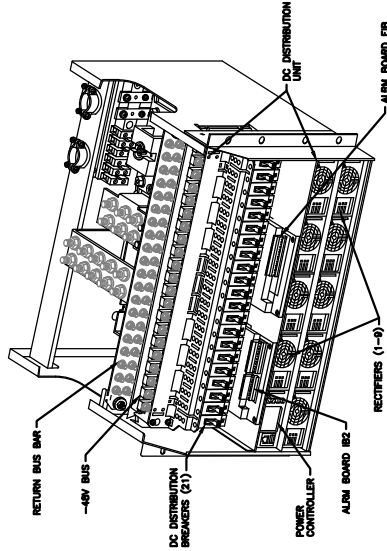
SCALE: N.T.S.

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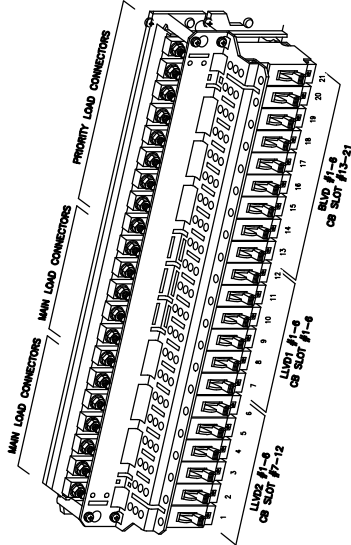
NOTE:
THIS IS FOR REFERENCE ONLY, CHECK
FOR SPECIFIC DETAIL IN T-MOBILE
CABINET SPECIFIC INSTALLATION GUIDES

CE SLOT	CKT #	Breaker Allocation for E6160 w/ DCDU Prior to availability of the 4469 and 4460	w/ DCDU Later Design Post- 4460 and Post-4480 Resigns	w/ DCDU, 4 and 6 Sector Resigns
1	1	Router PS37/60/96	Router PS37/60/96	Radio 4600 925/66 E-1
2	2	Future	Future	Radio 4600 925/66 E-2
3	3	PSU 4813 feeding 325/66 α, β and γ (AIR 9541)	PSU 4813 feeding 325/66 α, β and γ (AIR 9541)	PSU 4813 feeding 641.6 & 57/12.8 (AIR 6419; and Radio 4480)
4	4	Future	Future	
5	5	PSU 4813 feeding 841. α, β and γ (AIR 9549)	PSU 4813 feeding 841. α, β and γ (AIR 9549)	
6	6	Future	Future	
7	1	PSU 4813 feeding 872/15 α, β and γ (Radio 4490)	PSU 4813 feeding 872/15 α, β and γ (Radio 4490)	
8	2	Future	Future	
9	3	Future	Future	Radio 4600 925/66 E-1
10	4	Future	Future	Radio 4600 925/66 E-2
11	5	Future	Future	Radio 4600 925/66 E-1
12	6	Future	Future	Radio 4600 925/66 E-2
13	7	Router 25-1	Router 25-1	
14	1	Radio 4600 925/66 α-1	Radio 4600 925/66 α-1	
15	2	Radio 4600 925/66 α-2	Radio 4600 925/66 α-2	
16	3	Radio 4600 925/66 β-1	Radio 4600 925/66 β-1	
17	4	Radio 4600 925/66 β-2	Radio 4600 925/66 β-2	
18	5	Radio 4600 925/66 γ-1	Radio 4600 925/66 γ-1	
19	6	Radio 4600 925/66 γ-2	Radio 4600 925/66 γ-2	
20	7	Future	Future	
21	8	DCDU	DCDU	
	9	AVV	AVV	

Sector Ident Fixation
α = Alpha, β = Beta, γ = Gamma, δ = Delta, ε = Epsilon, ζ = Zeta



POWER SUBRACK



DC DISTRIBUTION

1 ERICSSON 6160 ELECTRICAL DETAILS

SCALE: N.T.S.

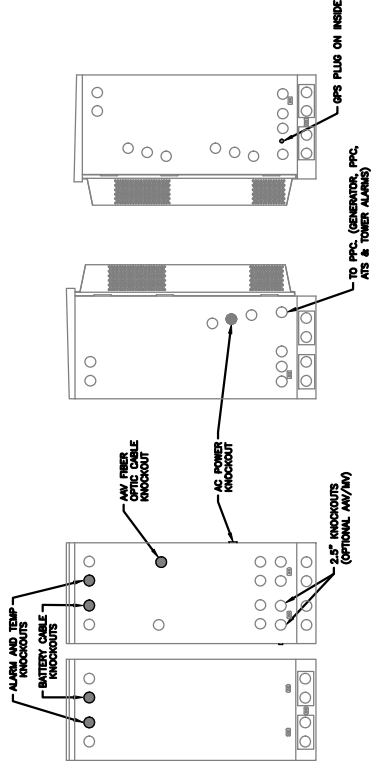
NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

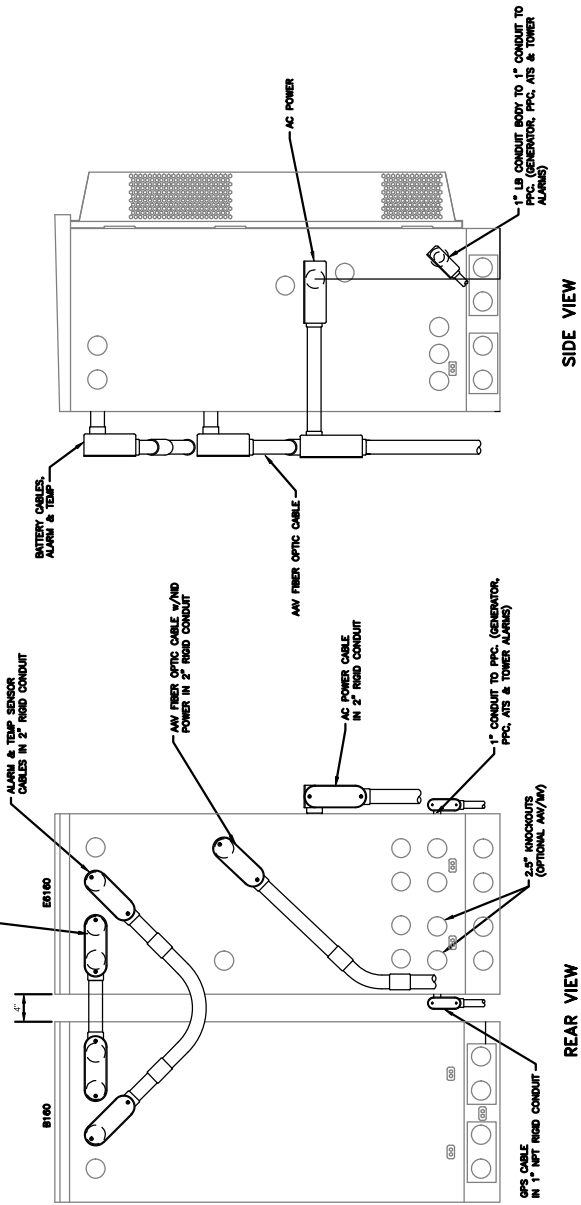
SHEET NUMBER: R-604
REVISION: 0

NOTE:

1. ALL CONDUIT AND FITTING ENTRANCES INTO CABINETS AND ENCLOSURES MUST UTILIZE LAYERS 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 TOO 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



SIDE VIEW

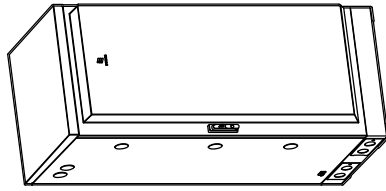
1 ERICSSON 6160/B160 CONDUIT ROUTING DETAILS
SCALE: N.T.S.

SUPPLEMENTAL

SHEET NUMBER: **R-605**
REVISION: **0**

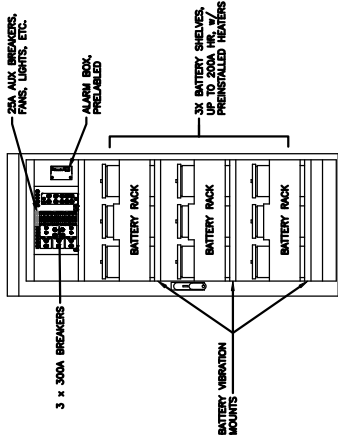
NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

MANUFACTURER:	ERICSSON
MODEL:	B160 BATTERY CABINET
DIMENSIONS:	63" x 25.6" x 29.5" (H x W x D)
WEIGHT:	285 LBS (WITHOUT BATTERIES)



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

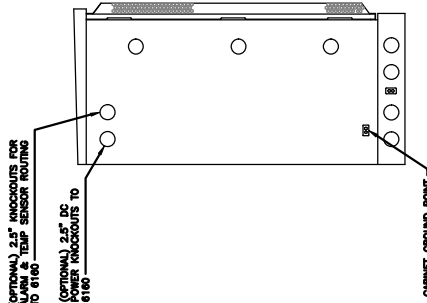
2.5" KNOCKOUTS W/ RIGID CONDUIT, LB CONDUIT BODY FOR BATTERY CABLE SECURED TO PREVENT DAMAGE



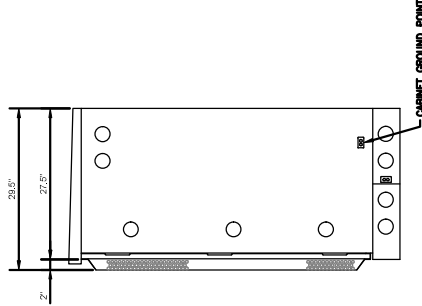
FRONT VIEW (DOOR OPEN)

REAR VIEW

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

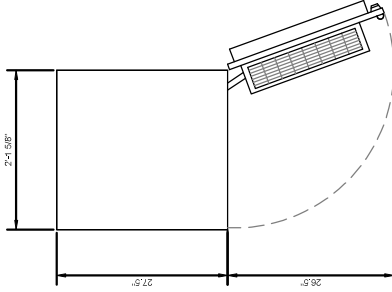
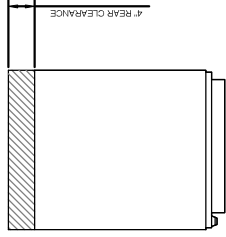


LEFT VIEW



RIGHT VIEW

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



PLAN VIEW

B160 ERICSSON SITE SUPPORT BATTERY CABINET

SUPPLEMENTAL

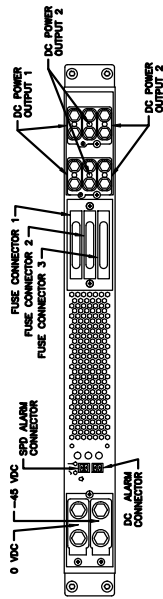
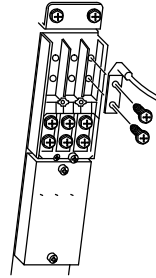
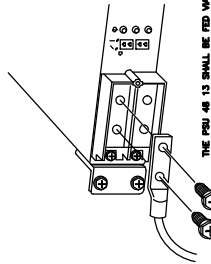
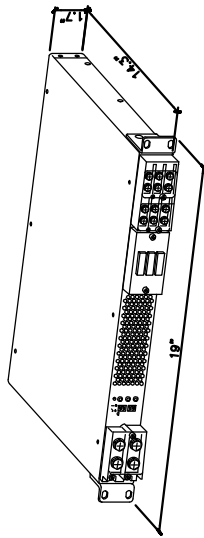
SHEET NUMBER: R-606
REVISION: 0

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

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

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

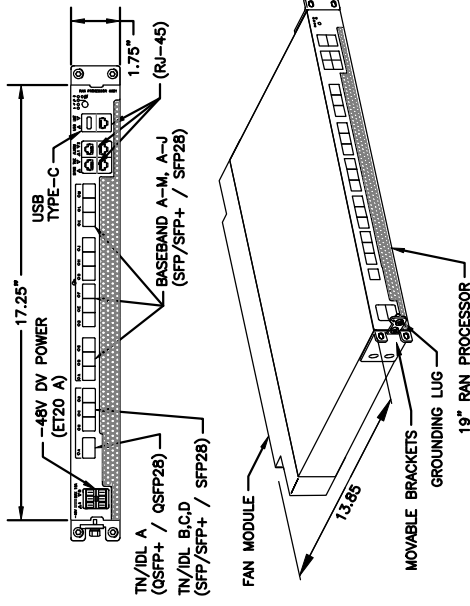
NEEDED INSTALL KIT (PICK 1)
 34133 PSU4813 INSTALL KIT FOR RBS61XX
 34134 PSU4813 INSTALL KIT FOR PBC6200
 34135 PSU4813 INSTALL KIT FOR 6X60/RBS6230



1 SKU# 34132 - PSU 48 13

SCALE: N.T.S.

MANUFACTURER: ERICSSON
 MODEL: 6651 RAN PROCESSOR (KDU1370093/11)
 DIMENSIONS: 1.75" x 17.25" x 13.85" (H" x W" x D")
 WEIGHT: 16.53 LBS



2 344553 - ERICSSON 6651 RAN PROCESSOR

SCALE: N.T.S.

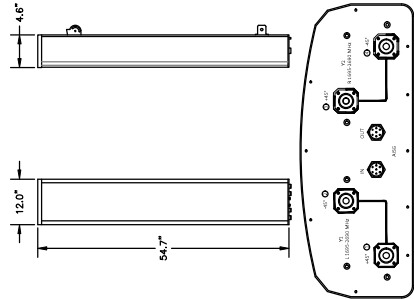
SUPPLEMENTAL

SHEET NUMBER:
R-607

REVISION:
0

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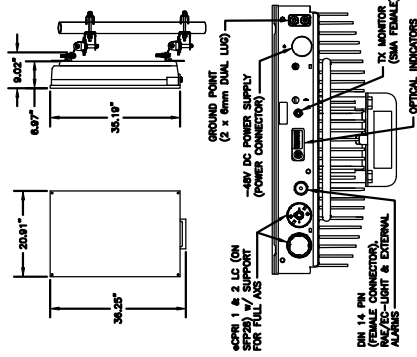
MANUFACTURER:	COMMSCOPE
MODEL:	VV-65A-R1
DIMENSIONS:	54.7" x 12.1" x 4.6" (H x W x D)
WEIGHT:	24.7 LB
INTERFACE:	4-PORT 4.3-10 FEMALE
MOUNTING KIT:	BRACKET-2 (INCLUDED) WEIGHT: 6.6 LB



1 34401 - COMMSCOPE VV-65A-R1

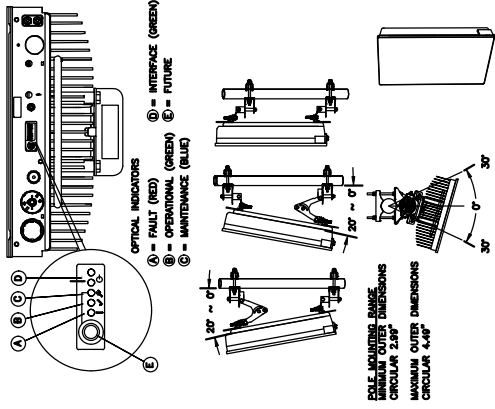
SCALE: N.T.S.

MANUFACTURER:	ERICSSON
MODEL:	AIR 6419 B41 (2.5MHz B-AMM)
DIMENSIONS:	36.25" x 20.91" x 9.02" (H x W x D)
WEIGHT:	6.3 LBS (EXCLUDING MOUNTING KIT)
MOUNT HEIGHT:	13.5 LBS (SM-109 2016/1)



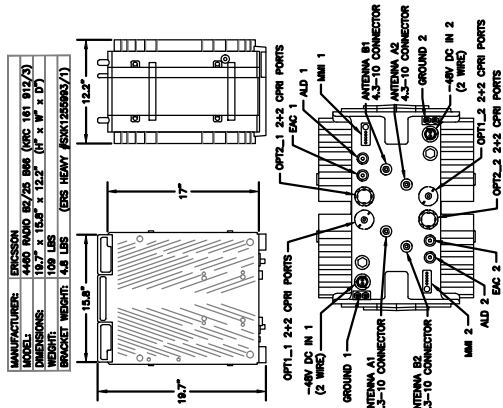
2 34552 - ERICSSON AIR 6419 BAND 41

SCALE: N.T.S.



3 34373 - ERICSSON 4460 RADIO B2/25 B66

SCALE: N.T.S.



3 34373 - ERICSSON 4460 RADIO B2/25 B66

SCALE: N.T.S.

SUPPLEMENTAL

SHEET NUMBER:
R-608

REVISION:
0

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