



April 14, 2023

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06501

EM-T-MOBILE-020-220907

T-Mobile Site ID CTHA560B
87 Monce Road, Burlington, CT

Notice of Compliance with Conditions and Construction Completion

Dear Attorney Bachman:

The T-Mobile site referenced above was approved by The Connecticut Siting Council (Council) on December 6, 2021 as an Exempt Modification. T-Mobile is now requesting the close out of the approval and hereby acknowledges the following conditions were met:

1. Prior to T-Mobile's antenna installation, antenna mount modifications shall be installed in accordance with the Mount Analysis prepared by American Tower Corporation dated June 16, 2022 and stamped and signed by Esha Kaushal Modi;
2. Within 45 days following completion of equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Mount Analysis;
3. Any deviation from the proposed modification as specified in this notice and supporting materials submitted to the Council shall render this acknowledgement invalid;
4. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
5. The Council shall be notified in writing at least two weeks prior to the commencement of site construction activities;



NSS **NORTHEAST**
SITE SOLUTIONS
Turnkey Wireless Development

6. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
7. Deployment of any 5G services must comply with FCC and FAA guidance relative to air navigation, as applicable;
8. Any nonfunctioning antenna and associated antenna mounting equipment, or other equipment at this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna or equipment ceased to function;
9. The validity of this action shall expire one year from the date of this letter; and
10. The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The attached PE Closeout Letter dated April 10, 2023 provides evidence of compliance with the conditions outlined by the Council. In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications was completed as of February 22, 2023.

Sincerely,

Victoria Masse

Victoria Masse
Zoning and Permitting
Northeast Site Solutions



April 10, 2023

To: Town of Burlington, CT – Building Department
200 Spielman Highway
Burlington, CT 06013

Re: **ATC Site Name: BURLINGTON 2**
ATC Site Number: 209185
T-Mobile Site Number: CTHA560B
ATC Site Address: 87 MONCE ROAD
BURLINGTON, CT 6013

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:

- (6) Antennas, (3) RRU's, (1) Control Cable

Equipment Installed:

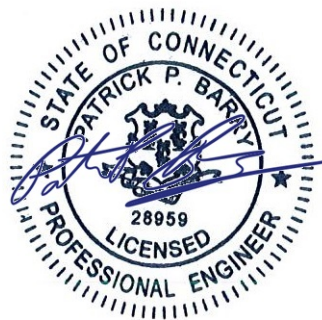
- (6) Antennas, (3) RRU's, (1) Hybrid Cable, Mount Modifications, (1) BB 6648, (1) PSU 4813

Discrepancy Note:

- None Noted

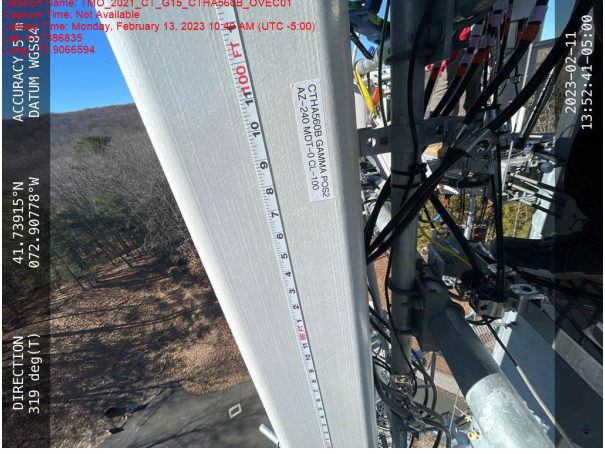


Please contact the engineer of record at AE@americantower.com with any questions regarding this matter.

Thank you,
American Tower Corporation







AMERICAN TOWER®
CORPORATION

| Photo | Description |
|---|--|
| <p>Session Name: TMO_2021_CT_G15_CTHA564B_OVE01 Capture Time: Not Available Time: Monday, February 13, 2023 10:36 AM (UTC -5:00) Altitude: 108835 Accuracy: 9068594</p>  <p>00:50:14:52:21 11-20-2022 CTHA564B GAMMA 100 AZ-240 WD-9.8-100</p> <p>ACCURACY 5 m DATUM WGS84</p> <p>41.73915°N 072.90778°W</p> <p>DIRECTION 319 deg(T)</p> | <p>Description: Antenna Tape Drop:</p> <ul style="list-style-type: none">• Installation at RAD 100' <p>Note: Construction drawings depict a RAD of 100'</p> <p>Recommendation: No Action Required</p> |
| <p>Session Name: TMO_2021_CT_G15_CTHA564B_OVE01 Capture Time: Not Available Upload Time: Friday, February 17, 2023 3:31 PM (UTC -5:00) Altitude: 4173914 Accuracy: 7251044</p>  <p>DIRECTION 261 deg(T)</p> <p>41.73918°N 072.90780°W</p> <p>ACCURACY 5 m DATUM WGS84</p> <p>2023-02-17 15:18:32-05:00</p> | <p>Description: Installation of Equipment:</p> <ul style="list-style-type: none">• Installation of 2 Antennas, 1 RRU, and mount modifications Alpha Sector <p>Recommendation: No Action Required</p> |
| <p>Session Name: TMO_2021_CT_G15_CTHA564B_OVE01 Capture Time: Not Available Upload Time: Friday, February 17, 2023 3:31 PM (UTC -5:00) Altitude: 4173914 Accuracy: 7251044</p>  <p>DIRECTION 142 deg(T)</p> <p>41.73914°N 072.90779°W</p> <p>ACCURACY 4 m DATUM WGS84</p> <p>2023-02-17 15:20:50-05:00</p> | <p>Description: Installation of Equipment:</p> <ul style="list-style-type: none">• Installation of 2 Antennas, 1 RRU, and mount modifications Beta Sector <p>Recommendation: No Action Required</p> |

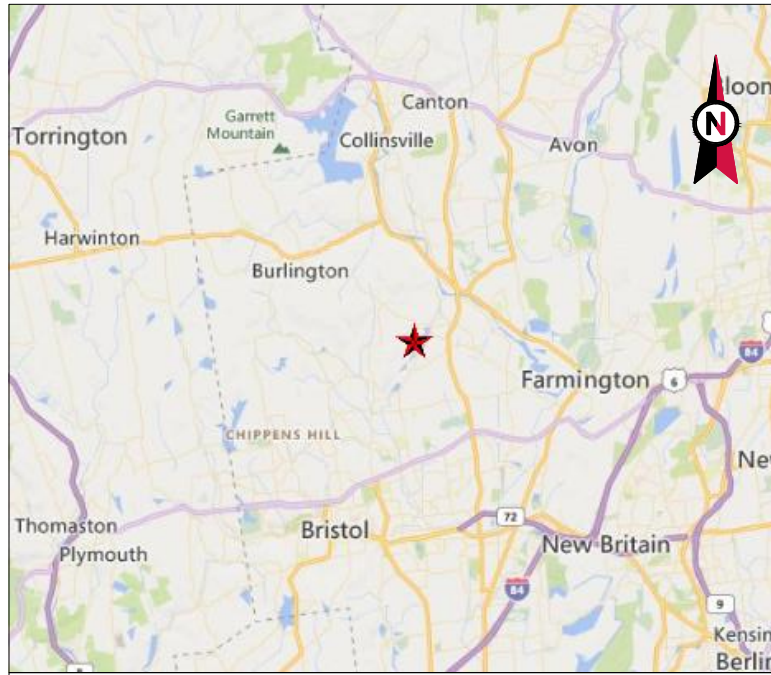


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| Photo | Description |
|--|--|
|  | <p>Description: Installation of Equipment:</p> <ul style="list-style-type: none">• Installation of 2 Antennas, 1 RRU, and mount modifications Gamma Sector <p>Recommendation: No Action Required</p> |
|  | <p>Description: Installation of Equipment:</p> <ul style="list-style-type: none">• (1) BB 6648, (1) PSU 4813 <p>Recommendation: No Action Required</p> |



Stamped Construction Drawings



VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: BURLINGTON 2
 ATC SITE NUMBER: 209185
 T-MOBILE SITE NAME: CTHA560B
 T-MOBILE SITE NUMBER: CTHA560B
 SITE ADDRESS: 87 MONCE ROAD
 BURLINGTON, CT 6013



LOCATION MAP

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 COA: PEC.0001553

THE USE AND PUBLICATION OF THESE DRAWINGS 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. 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 OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

| REV. | DESCRIPTION | BY | DATE |
|------|------------------|----|----------|
| 0 | FOR CONSTRUCTION | AP | 07/07/22 |
| | | | |
| | | | |
| | | | |
| | | | |

ATC SITE NUMBER:
209185

ATC SITE NAME:
BURLINGTON 2

T-MOBILE SITE NAME:
CTHA560B

SITE ADDRESS:
87 MONCE ROAD
BURLINGTON, CT 6013



ATC JOB NO: 14097402_D1
 CUSTOMER ID: CTHA560B
 CUSTOMER #: CTHA560B

TITLE SHEET

SHEET NUMBER: **G-001**
 REVISION: **0**

**T-MOBILE L600 AMENDMENT PLAN
 67E97DB2 MUAC CONFIGURATION**

| COMPLIANCE CODE | PROJECT SUMMARY | PROJECT DESCRIPTION | SHEET INDEX | | | | |
|--|---|---|--------------------------------|--------------|----------|----------|-----|
| ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE 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. INTERNATIONAL BUILDING CODE (IBC) 2. NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES | <u>SITE ADDRESS:</u> 87 MONCE ROAD BURLINGTON, CT 6013 COUNTY: HARTFORD <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.73912732 LONGITUDE: -72.90781103 GROUND ELEVATION: 288' AMSL | THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK:</u> REMOVE (6) ANTENNA(S), (3) RRU(S), AND (1) .78" 8 AWG 6 CONTROL CABLE(S) INSTALL MOUNT MODIFICATION(S), (6) ANTENNA(S), (3) RRU(S), AND (1) 1.99" HYBRID TRUNK 6/24 4AWG CABLE(S) EXISTING (3) ANTENNA(S), (3) RRU(S), AND (2) 1.4" HYBRID 6X12 HCS CABLE(S) TO REMAIN <u>GROUND WORK:</u> INSTALL (1) BB 6648 AND (1) PSU 4813 EXISTING (1) RBS 6102 MU AC CABINET AND (1) HFC CABINET TO REMAIN | 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> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> TOWN OF BURLINGTON 87 MONCE ROAD BURLINGTON, CT 6013 | <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 COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7). | G-001 | TITLE SHEET | 0 | 07/07/22 | AP |
| <u>UTILITY COMPANIES</u> POWER COMPANY: UNKNOWN PHONE: N/A TELEPHONE COMPANY: UNKNOWN PHONE: N/A | <u>PROJECT LOCATION DIRECTIONS</u> HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT. SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT. CONTINUE STRAIGHT. KEEP RIGHT TO CONTINUE TOWARD BRADLEY INTERNATIONAL AIRPORT CON. CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON. TAKE THE CT-20 W EXIT TOWARD E GRANBY/GRANBY. CONTINUE ONTO CT-20 W. USE THE LEFT 2 LANES TO TURN LEFT ONTO INTERNATIONAL DR. AT THE TRAFFIC CIRCLE, TAKE THE 1ST EXIT ONTO SEYMOUR RD. CONTINUE ONTO STATE HWY 540. TURN LEFT ONTO CT-189 S. TURN RIGHT ONTO ELM ST. ELM ST TURNS SLIGHTLY LEFT AND BECOMES CT-315 WITRIFVILLE RD. TURN LEFT ONTO QUARRY RD. MERGE ONTO TERRY'S PLAIN RD. CONTINUE STRAIGHT ONTO E WEATOGUE ST. TURN RIGHT ONTO CT-185 W. TURN LEFT ONTO NOD RD. CONTINUE ONTO CT-10 S. TURN RIGHT ONTO OLD FARMS RD. SLIGHT LEFT ONTO THOMPSON RD. TURN LEFT ONTO CT-167 S. TURN RIGHT TO STAY ON CT-167 S. TURN RIGHT ONTO CT-4 W. TURN LEFT ONTO CT-177 S. TURN RIGHT ONTO WEBSTER ST. TURN LEFT ONTO RIVER RD. TURN RIGHT ONTO BURLINGTON RD. CONTINUE ONTO GEORGE WASHINGTON TURNPIKE. SLIGHT LEFT ONTO MONCE RD. DESTINATION WILL BE ON THE RIGHT. | G-002 | GENERAL NOTES | 0 | 07/07/22 | AP | |
| | | C-101 | DETAILED SITE PLAN | 0 | 07/07/22 | AP | |
| | | C-201 | TOWER ELEVATION | 0 | 07/07/22 | AP | |
| | | C-401 | ANTENNA INFORMATION & SCHEDULE | 0 | 07/07/22 | AP | |
| | | C-501 | CONSTRUCTION DETAILS | 0 | 07/07/22 | AP | |
| | | E-501 | GROUNDING DETAILS | 0 | 07/07/22 | AP | |
| | | R-601 | SUPPLEMENTAL | | | | |
| | | R-602 | SUPPLEMENTAL | | | | |
| | | R-603 | SUPPLEMENTAL | | | | |
| | | R-604 | SUPPLEMENTAL | | | | |



GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, T-MOBILE "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
 - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
 - B. AC/TELCO INTERFACE BOX (PPC)
 - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
 - D. TOWERS, MONOPOLES
 - E. TOWER LIGHTING
 - F. GENERATORS & LIQUID PROPANE TANK
 - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
 - H. ANTENNAS (INSTALLED BY OTHERS)
 - I. TRANSMISSION LINE
 - J. TRANSMISSION LINE JUMPERS
 - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
 - L. TRANSMISSION LINE GROUND KITS
 - M. HANGERS
 - N. HOISTING GRIPS
 - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF T-MOBILE TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSII/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE T-MOBILE REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE T-MOBILE REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE T-MOBILE REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE T-MOBILE CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE T-MOBILE REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH T-MOBILE AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH T-MOBILE REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH T-MOBILE REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY T-MOBILE MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH T-MOBILE SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO T-MOBILE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO T-MOBILE SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY T-MOBILE REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE T-MOBILE REP. ANY WORK FOUND BY THE T-MOBILE REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. T-MOBILE FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE T-MOBILE WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. T-MOBILE OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO T-MOBILE OR THEIR ARCHITECT/ENGINEER.

COAXIAL CABLE (NOT WITHIN BENDS)

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
 - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY T-MOBILE UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
 - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND T-MOBILE SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
 - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
 - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
 - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
 - G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 COA: PEC.0001553

THE USE AND PUBLICATION OF THESE DRAWINGS 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. 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 OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

| REV. | DESCRIPTION | BY | DATE |
|------|------------------|----|----------|
| 0 | FOR CONSTRUCTION | AP | 07/07/22 |
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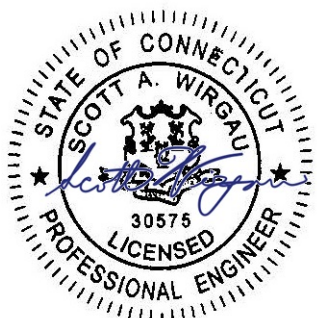
ATC SITE NUMBER:
209185

ATC SITE NAME:
BURLINGTON 2

T-MOBILE SITE NAME:
CTHA560B

SITE ADDRESS:
 87 MONCE ROAD
 BURLINGTON, CT 6013

SEAL:



| | |
|--------------|-------------|
| ATC JOB NO: | 14097402_D1 |
| CUSTOMER ID: | CTHA560B |
| CUSTOMER #: | CTHA560B |

GENERAL NOTES

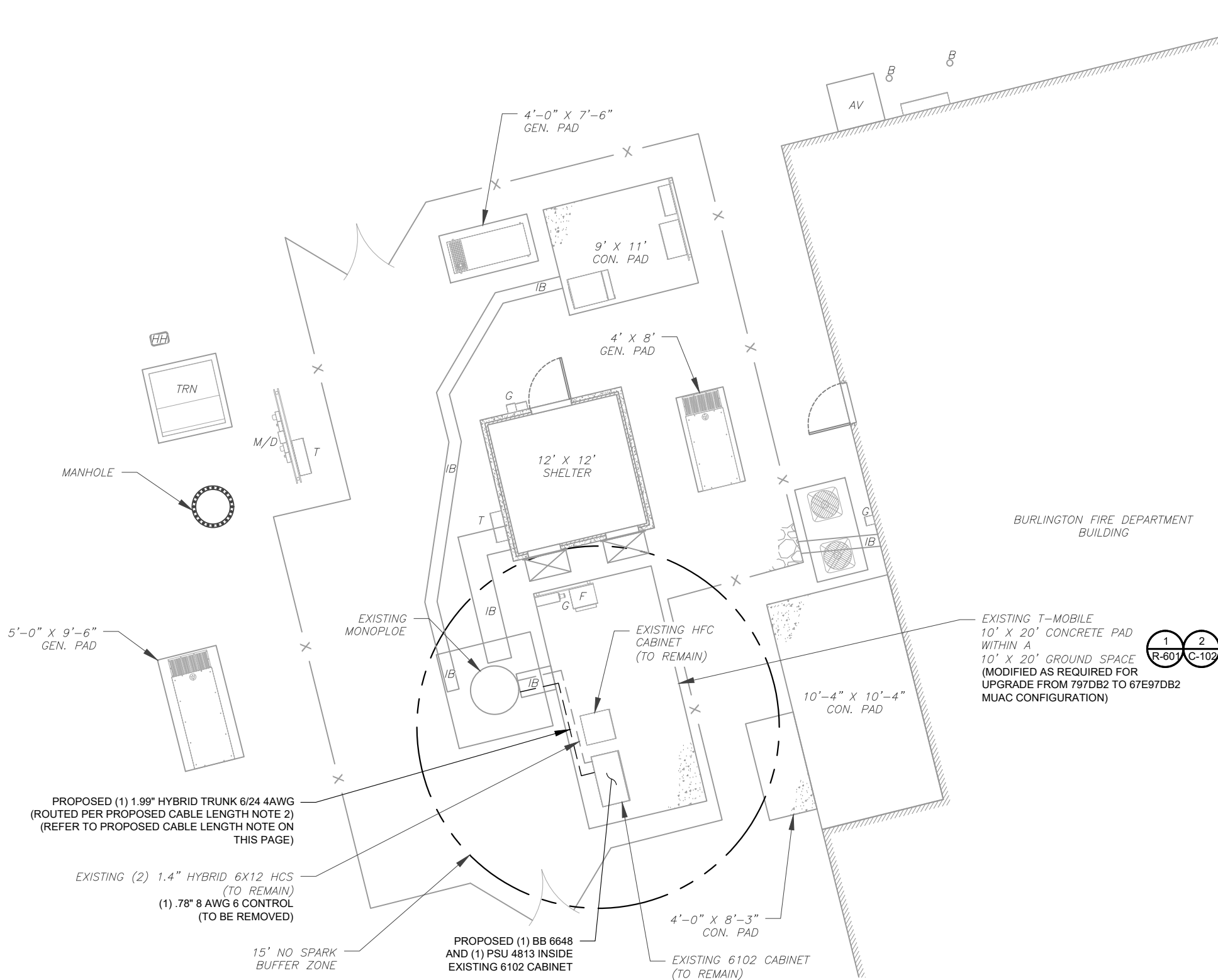
| | |
|-------------------------------|-----------------------|
| SHEET NUMBER: G-002 | REVISION: 0 |
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SITE PLAN NOTES:

- 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.
- NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

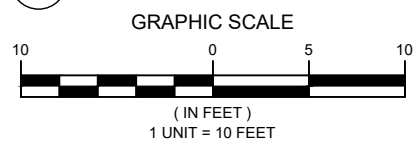
| LEGEND | |
|--------|---------------------------|
| ⊗ | GROUNDING TEST WELL |
| ATS | AUTOMATIC TRANSFER SWITCH |
| B | BOLLARD |
| CSC | CELL SITE CABINET |
| D | DISCONNECT |
| E | ELECTRICAL |
| F | FIBER |
| GEN | GENERATOR |
| G | GENERATOR RECEPTACAL |
| HH, V | HAND HOLE, VAULT |
| IB | ICE BRIDGE |
| K | KENTROX BOX |
| LC | LIGHTING CONTROL |
| M | METER |
| PB | PULL BOX |
| PP | POWER POLE |
| T | TELCO |
| TRN | TRANSFORMER |
| — | CHAINLINK FENCE |



PROPOSED CABLE LENGTH:

- ESTIMATED LENGTH OF PROPOSED CABLE IS **127'**. 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. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

1 DETAILED SITE PLAN



AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 COA: PEC.0001553

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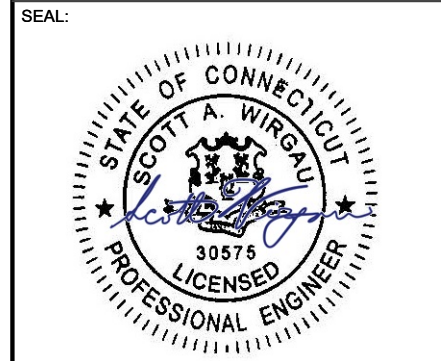
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|------|------------------|----|----------|
| 0 | FOR CONSTRUCTION | AP | 07/07/22 |
| | | | |
| | | | |
| | | | |
| | | | |

ATC SITE NUMBER:
209185

ATC SITE NAME:
BURLINGTON 2

T-MOBILE SITE NAME:
CTHA560B

SITE ADDRESS:
 87 MONCE ROAD
 BURLINGTON, CT 6013

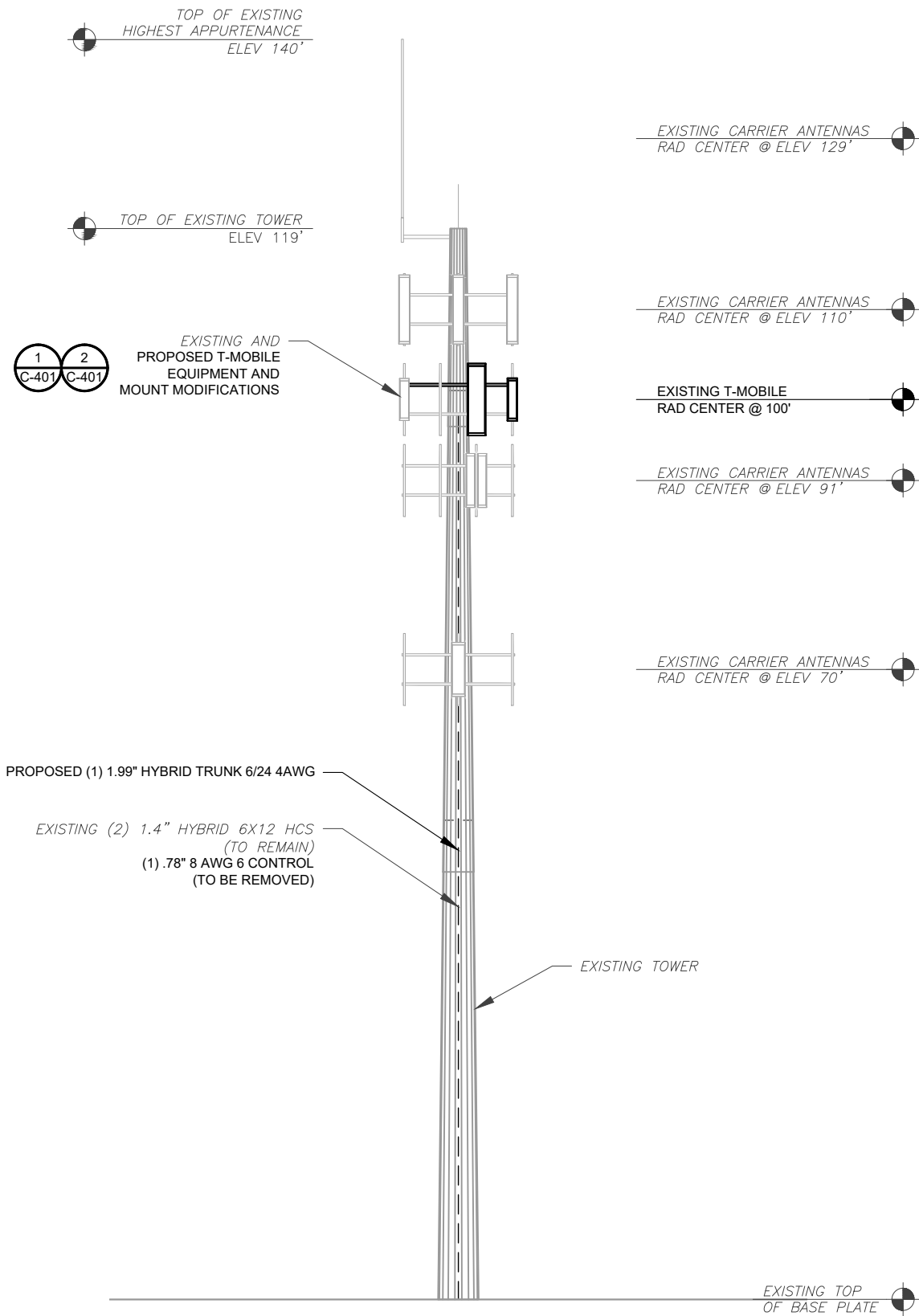


| | |
|--------------|-------------|
| ATC JOB NO: | 14097402_D1 |
| CUSTOMER ID: | CTHA560B |
| CUSTOMER #: | CTHA560B |

DETAILED SITE PLAN

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

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1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 06/16/22, 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. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
 - 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.



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| REV. | DESCRIPTION | BY | DATE |
|------|------------------|----|----------|
| 0 | FOR CONSTRUCTION | AP | 07/07/22 |
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| | | | |
| | | | |
| | | | |

ATC SITE NUMBER:
209185

ATC SITE NAME:
BURLINGTON 2

T-MOBILE SITE NAME:
CTHA560B

SITE ADDRESS:
87 MONCE ROAD
BURLINGTON, CT 6013



| | |
|--------------|-------------|
| ATC JOB NO: | 14097402_D1 |
| CUSTOMER ID: | CTHA560B |
| CUSTOMER #: | CTHA560B |

TOWER ELEVATION

| | |
|---------------|-----------|
| SHEET NUMBER: | REVISION: |
| C-201 | 0 |

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| REV. | DESCRIPTION | BY | DATE |
|------|------------------|----|----------|
| 0 | FOR CONSTRUCTION | AP | 07/07/22 |
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ATC SITE NUMBER:
209185

ATC SITE NAME:
BURLINGTON 2

T-MOBILE SITE NAME:
CTHA560B

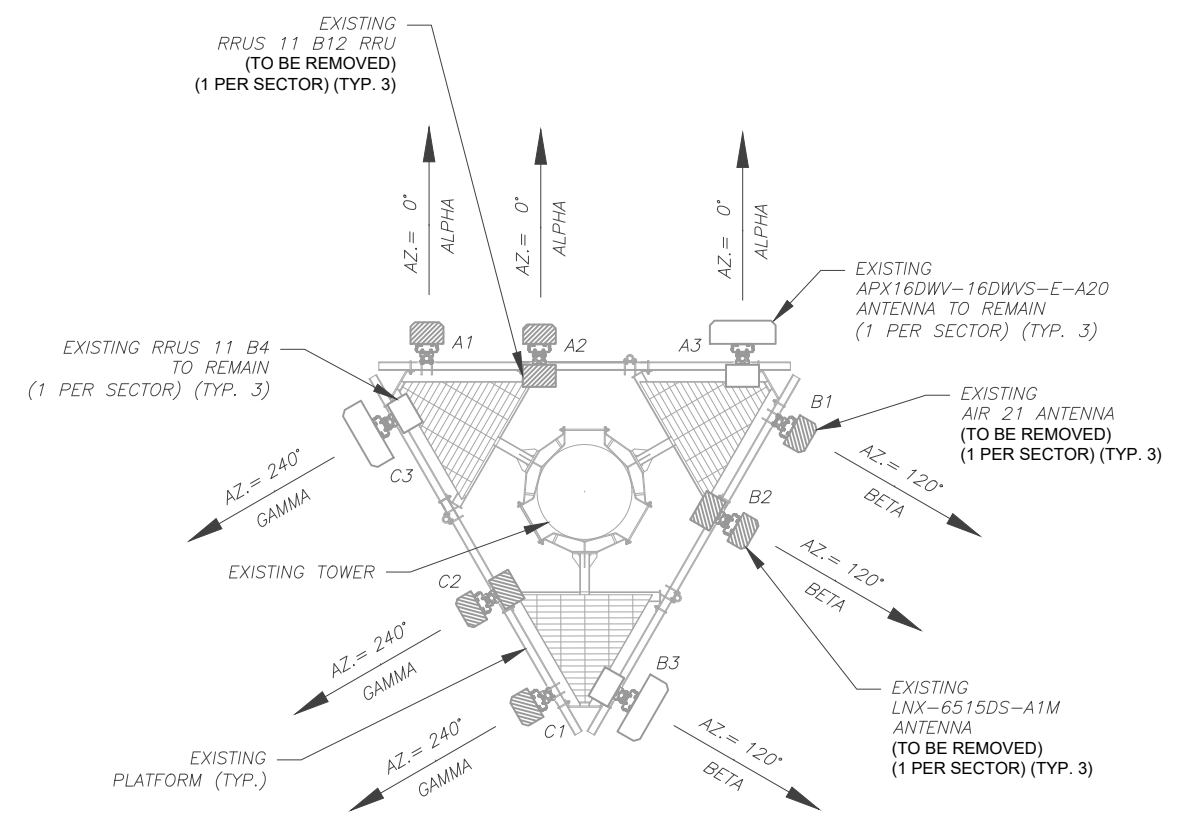
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 BURLINGTON, CT 6013



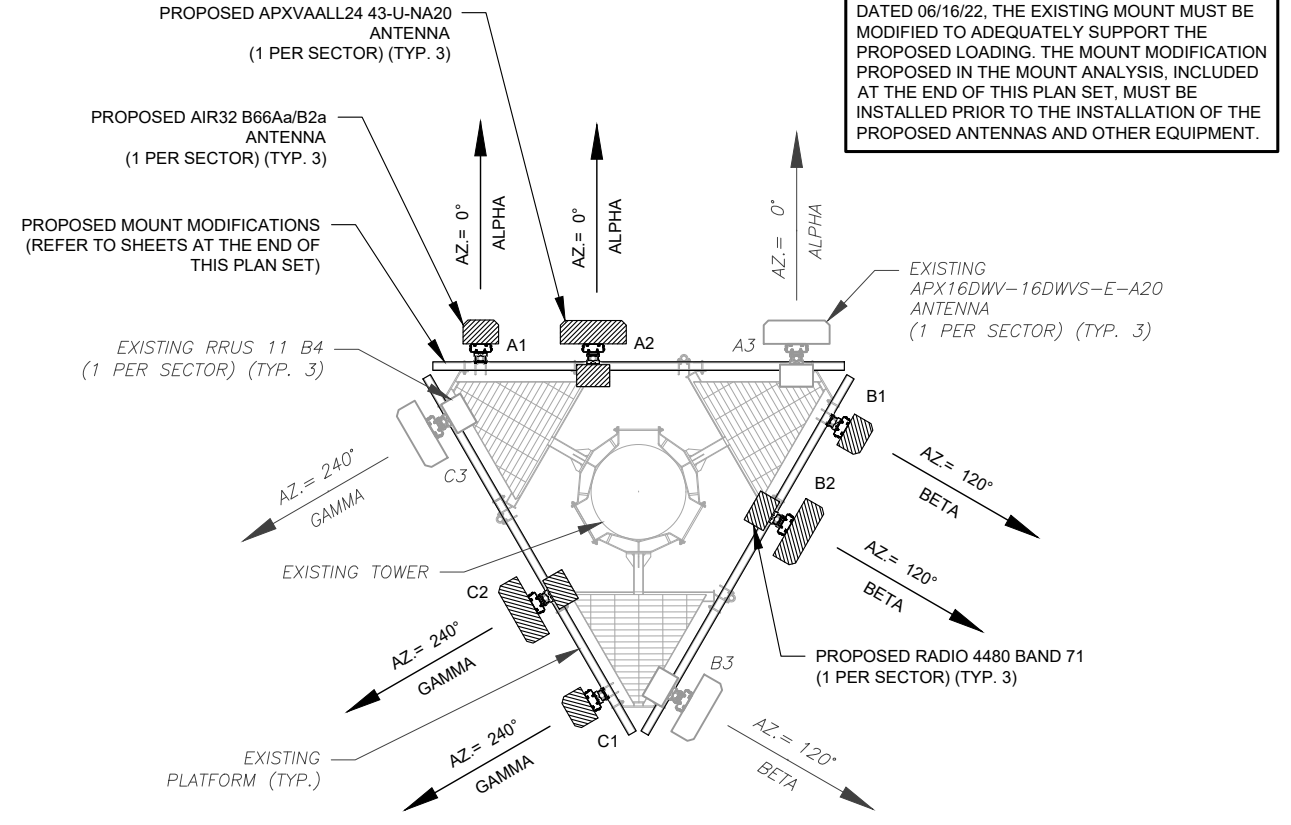
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|--------------|-------------|
| ATC JOB NO: | 14097402_D1 |
| CUSTOMER ID: | CTHA560B |
| CUSTOMER #: | CTHA560B |

ANTENNA INFORMATION & SCHEDULE

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



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



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

| EXISTING ANTENNA SCHEDULE | | | | | | | | | |
|---------------------------|------|------|-----------------|-----------------------|-------|------------------|---------------------|------------------------------------|--------|
| LOCATION | | | ANTENNA SUMMARY | | | | NON ANTENNA SUMMARY | | |
| SECTOR | RAD | AZ | POS | ANTENNA | BAND | MECH/ELEC D-TILT | STATUS | ADDITIONAL TOWER MOUNTED EQUIPMENT | STATUS |
| ALPHA | 100' | 0° | A1 | AIR 21 | - | 0° / 2° | RMV | - | - |
| | | | A2 | LNX-6515DS-A1M | L700 | 0° / 2° | RMV | RRUS 11 B12 | RMV |
| | | | A3 | APX16DWV-16DWVS-E-A20 | U2100 | 0° / 2° | RMN | RRUS 11 B4 | RMN |
| BETA | 100' | 120° | B1 | AIR 21 | - | 0° / 2° | RMV | - | - |
| | | | B2 | LNX-6515DS-A1M | L700 | 0° / 2° | RMV | RRUS 11 B12 | RMV |
| | | | B3 | APX16DWV-16DWVS-E-A20 | U2100 | 0° / 2° | RMN | RRUS 11 B4 | RMN |
| GAMMA | 100' | 240° | C1 | AIR 21 | - | 0° / 2° | RMV | - | - |
| | | | C2 | LNX-6515DS-A1M | L700 | 0° / 2° | RMV | RRUS 11 B12 | RMV |
| | | | C3 | APX16DWV-16DWVS-E-A20 | U2100 | 0° / 2° | RMN | RRUS 11 B4 | RMN |

NOTES

- CONFIRM WITH T-MOBILE REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
 RMN: TO REMAIN
 REL: TO BE RELOCATED
 ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

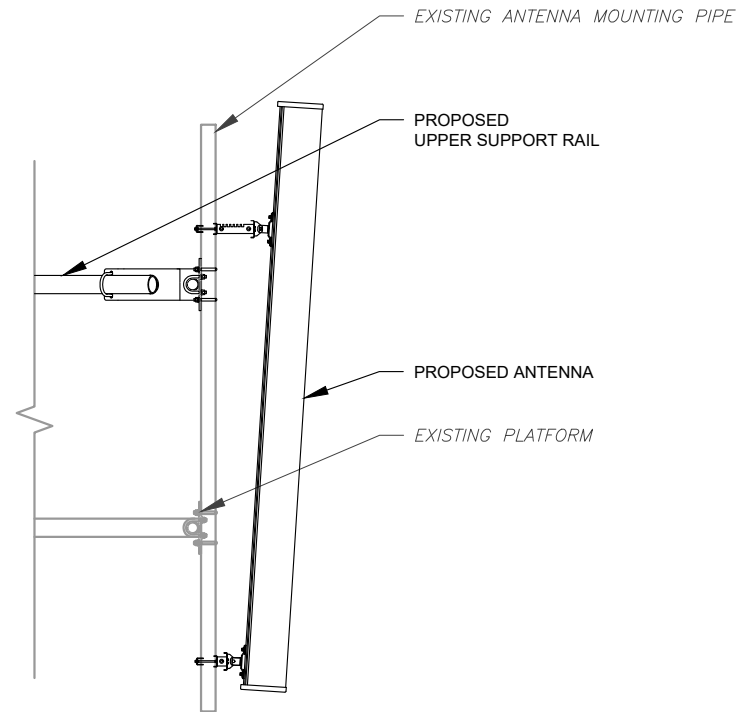
JUNCTION BOX TO RRU: 15'
 RRU TO ANTENNA: 10'

| FINAL ANTENNA SCHEDULE | | | | | | | | | |
|------------------------|------|------|-----------------|-----------------------|------------------|------------------|---------------------|------------------------------------|--------|
| LOCATION | | | ANTENNA SUMMARY | | | | NON ANTENNA SUMMARY | | |
| SECTOR | RAD | AZ | POS | ANTENNA | BAND | MECH/ELEC D-TILT | STATUS | ADDITIONAL TOWER MOUNTED EQUIPMENT | STATUS |
| ALPHA | 100' | 0° | A1 | AIR32 B66Aa/B2a | L2100, L1900 | 0° / 2° | ADD | - | - |
| | | | A2 | APXVAALL24 43-U-NA20 | L700, L600, N600 | 0° / 2° | ADD | 4480 BAND 71 | ADD |
| | | | A3 | APX16DWV-16DWVS-E-A20 | U2100 | 0° / 2° | RMN | RRUS 11 B4 | RMN |
| BETA | 100' | 120° | B1 | AIR32 B66Aa/B2a | L2100, L1900 | 0° / 2° | ADD | - | - |
| | | | B2 | APXVAALL24 43-U-NA20 | L700, L600, N600 | 0° / 2° | ADD | 4480 BAND 71 | ADD |
| | | | B3 | APX16DWV-16DWVS-E-A20 | U2100 | 0° / 2° | RMN | RRUS 11 B4 | RMN |
| GAMMA | 100' | 240° | C1 | AIR32 B66Aa/B2a | L2100, L1900 | 0° / 2° | ADD | - | - |
| | | | C2 | APXVAALL24 43-U-NA20 | L700, L600, N600 | 0° / 2° | ADD | 4480 BAND 71 | ADD |
| | | | C3 | APX16DWV-16DWVS-E-A20 | U2100 | 0° / 2° | RMN | RRUS 11 B4 | RMN |

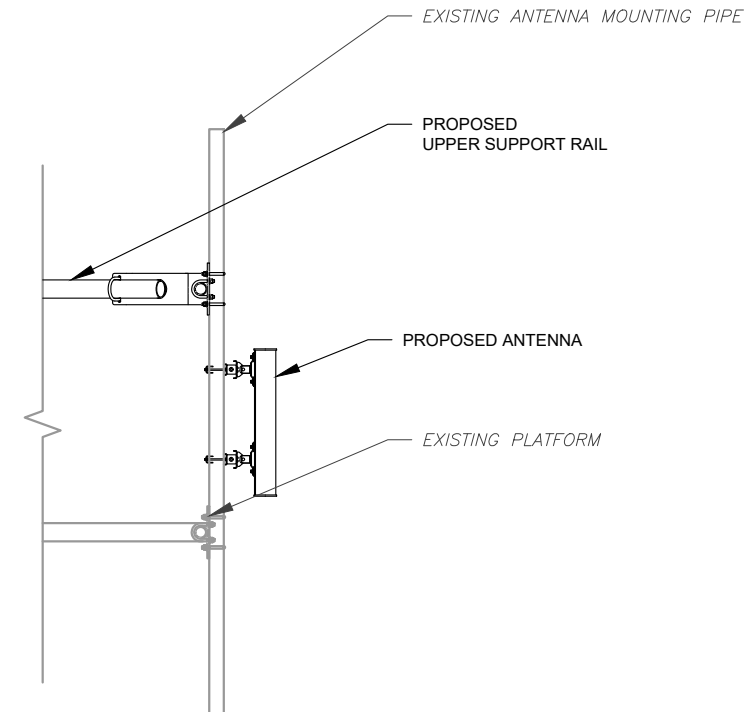
| EXISTING FIBER DISTRIBUTION/OVP BOX | | EXISTING CABLING SUMMARY | |
|-------------------------------------|--------|--------------------------|--------|
| MODEL NUMBER | STATUS | CABLE QTY, SIZE, TYPE | STATUS |
| - | - | (2) 1.4" HYBRID 6X12 HCS | RMN |
| - | - | (1) .78" 8 AWG 6 CONTROL | RMV |

3 EQUIPMENT SCHEDULES

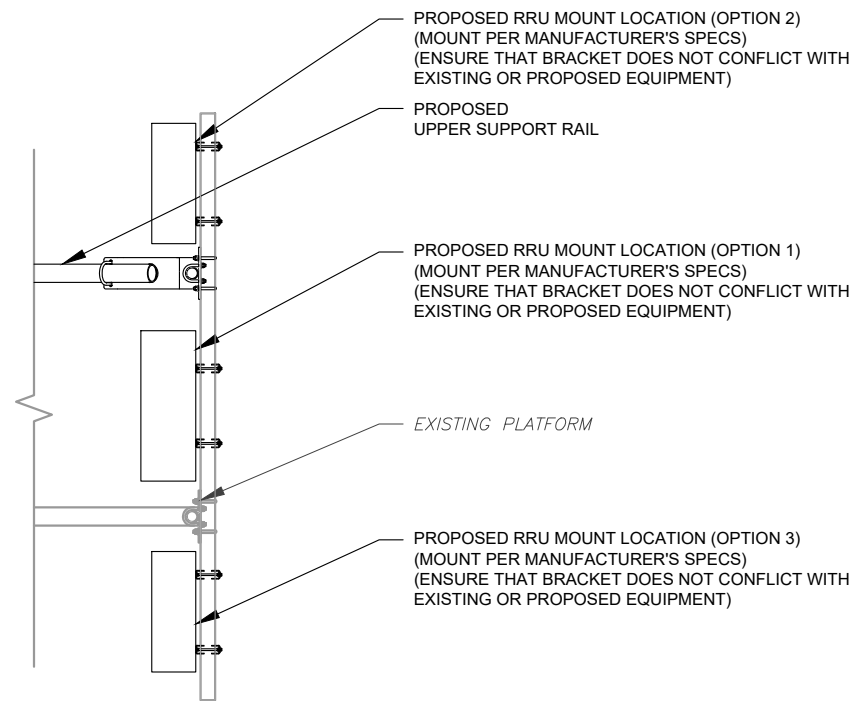
| FINAL FIBER DISTRIBUTION / OVP BOX | | FINAL CABLING SUMMARY | |
|------------------------------------|--------|----------------------------------|--------|
| MODEL NUMBER | STATUS | CABLE QTY, SIZE, TYPE | STATUS |
| - | - | (2) 1.4" HYBRID 6X12 HCS | RMN |
| - | - | (1) 1.99" HYBRID TRUNK 6/24 4AWG | ADD |



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



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



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



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A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
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| REV. | DESCRIPTION | BY | DATE |
|------|------------------|----|----------|
| 0 | FOR CONSTRUCTION | AP | 07/07/22 |
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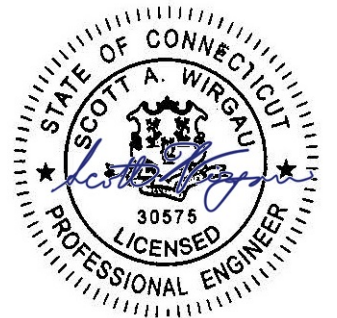
ATC SITE NUMBER:
209185

ATC SITE NAME:
BURLINGTON 2

T-MOBILE SITE NAME:
CTHA560B

SITE ADDRESS:
87 MONCE ROAD
BURLINGTON, CT 6013

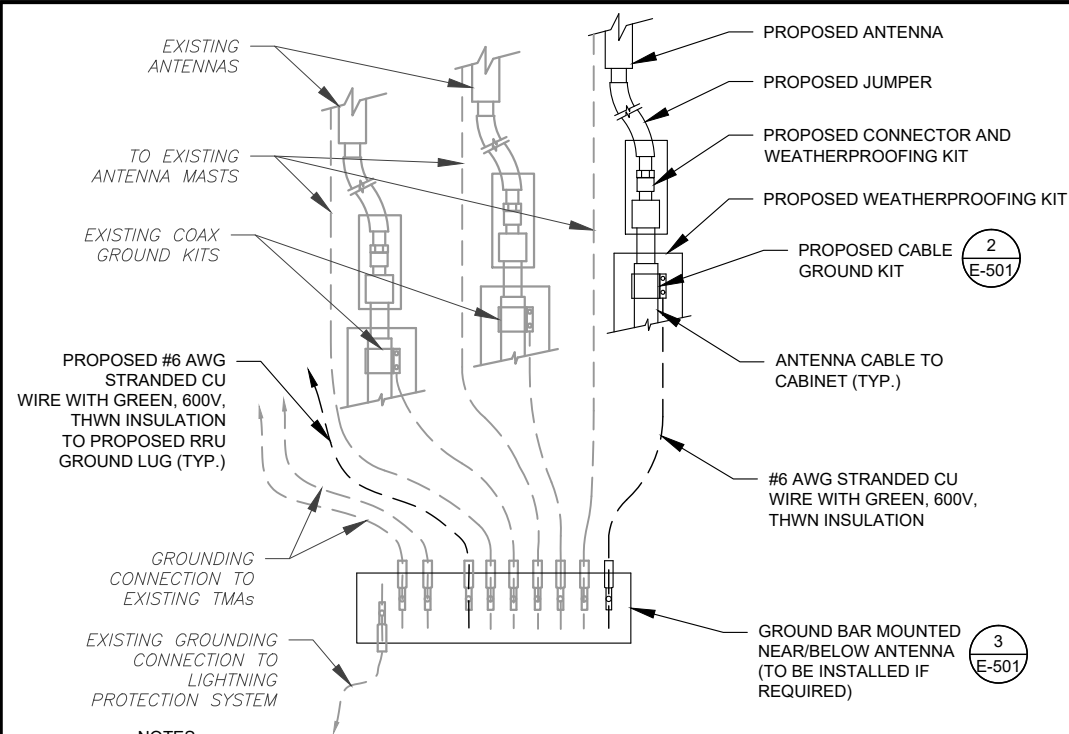
SEAL:



ATC JOB NO: 14097402_D1
 CUSTOMER ID: CTHA560B
 CUSTOMER #: CTHA560B

**CONSTRUCTION
DETAILS**

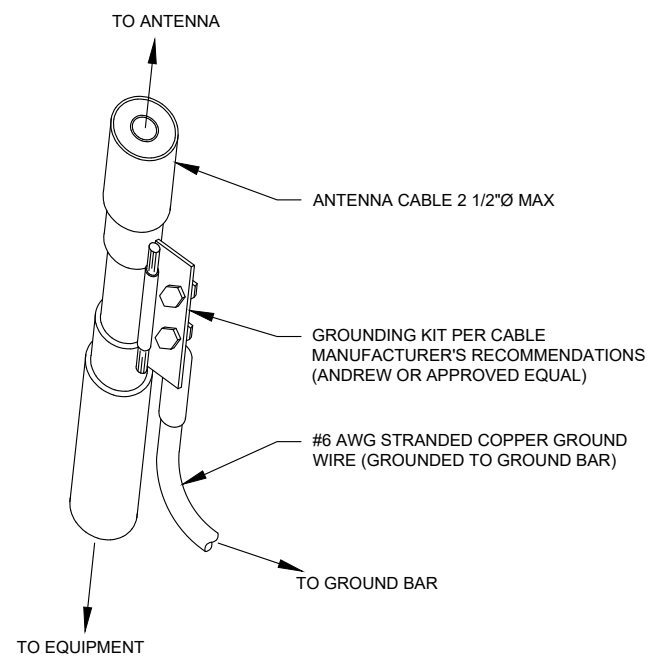
SHEET NUMBER: **C-501** REVISION: **0**



NOTES:

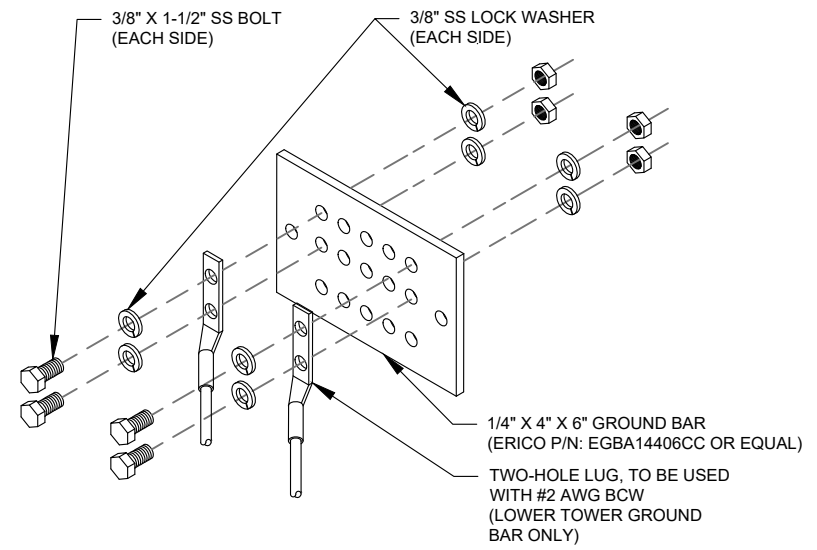
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH T-MOBILE GROUNDING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

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



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

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



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

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

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 COA: PEC.0001553

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| REV. | DESCRIPTION | BY | DATE |
|------|------------------|----|----------|
| 0 | FOR CONSTRUCTION | AP | 07/07/22 |
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ATC SITE NUMBER:
209185

ATC SITE NAME:
BURLINGTON 2

T-MOBILE SITE NAME:
CTHA560B

SITE ADDRESS:
87 MONCE ROAD
BURLINGTON, CT 6013

SEAL:

ATC JOB NO: 14097402_D1
 CUSTOMER ID: CTHA560B
 CUSTOMER #: CTHA560B

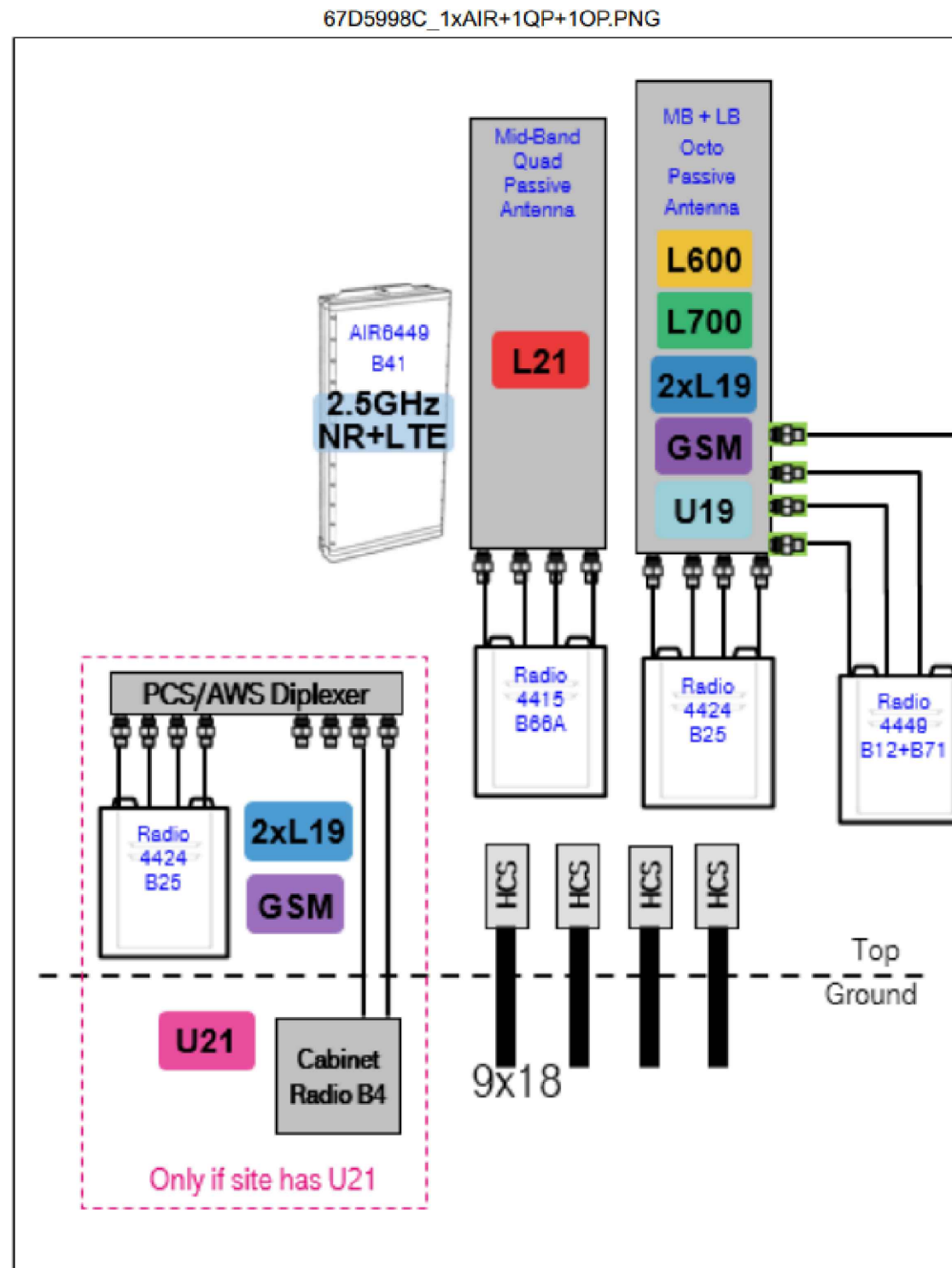
GROUNDING DETAILS

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

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| Proposed RAN Equipment | | |
|--|--|---|
| Template: 67E97DB2 MUAC | | |
| Enclosure | 1 | 2 |
| Enclosure Type | RBS 6102 MU AC | Ancillary Equipment (Ericsson) |
| Baseband | DUW30 U2100 BB 5216 L2100 L1900 BB 6648 L700 L600 N600 | |
| Hybrid Cable System | | Ericsson 6x12 HCS *Select AWG & Length* (x 2) Hybrid Trunk 6/24 4AWG 50m |
| Multiplexer | XMU | |
| RAN Scope of Work: CTHA560B Keep existing cabinet 6102. Add BB6648 for low band(L7/L6/N6). Add PSU 4813 Use Existing 2 Hybrids . Adding one 6x24 50m Hybrid. Antenna Swap from Andrew - LNX-6515DS-A1M to RFS - APXVAALL24_43-U-NA20 Adding 4480s Radio at the antenna for low band.. Ericsson - AIR32 KRD901146-1_B66A_B2A and RFS - APX16DWV-16DWV-S-E-A20 antenna remains . Height and azimuth of site remain same. | | |

1 CABINET CONFIGURATION



Notes:

2 ANTENNA CONFIGURATION

SUPPLEMENTAL

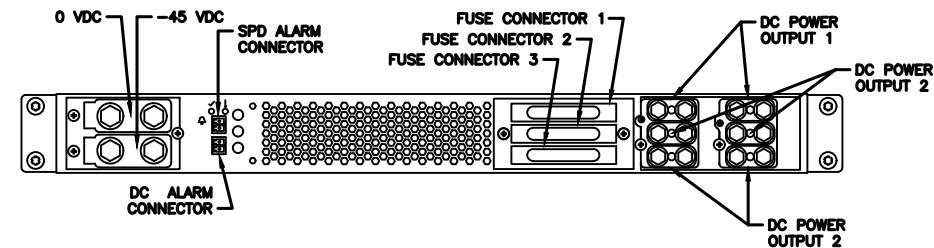
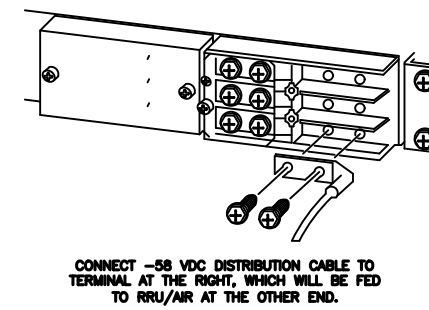
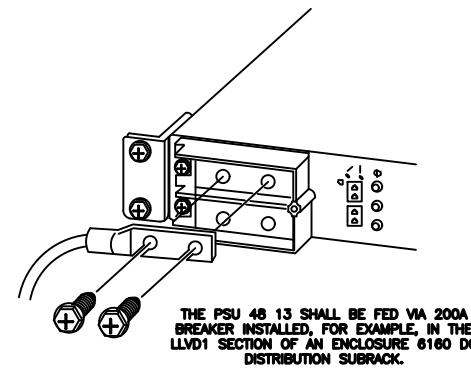
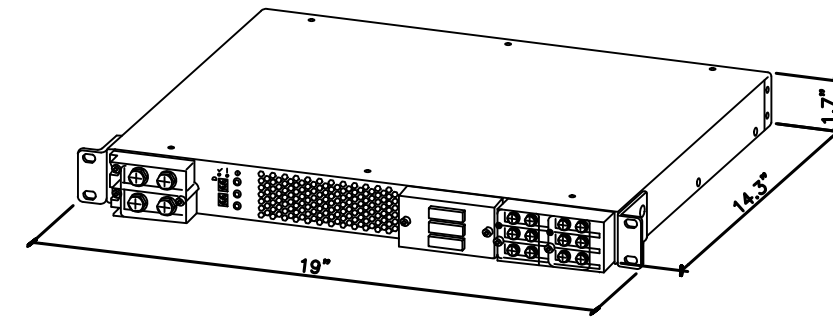
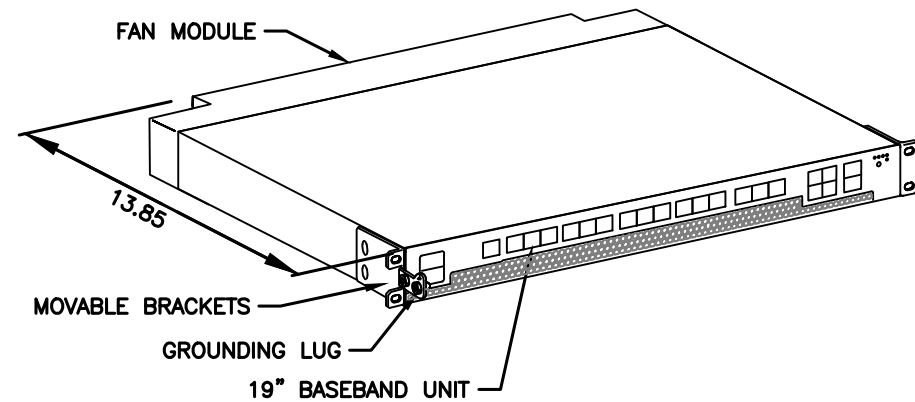
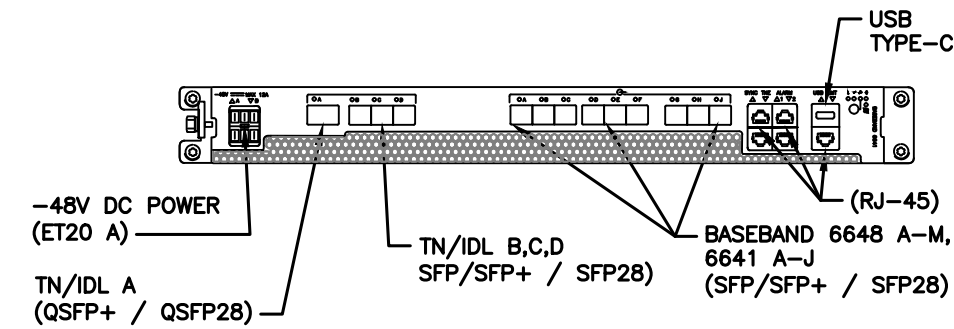
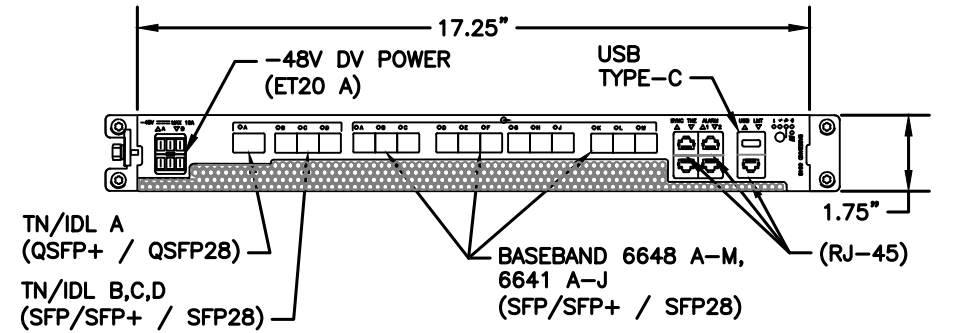
SHEET NUMBER: R-601
REVISION: 0

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

| | |
|---------------|--|
| MANUFACTURER: | ERICSSON |
| MODEL: | BASEBAND 6648 |
| DIMENSIONS: | 1.75" x 17.25" x 13.85" (H" x W" x D") |
| WEIGHT: | 16.54 LBS |

| | |
|---------------|------------------|
| 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 34111 - ERICSSON BASEBAND 6648 (WITH FAN)
SCALE: N.T.S.

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

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

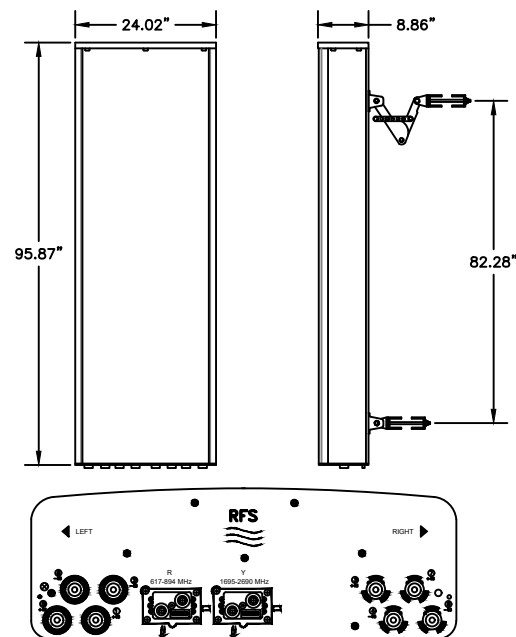
SUPPLEMENTAL

SHEET NUMBER: REVISION:

R-602

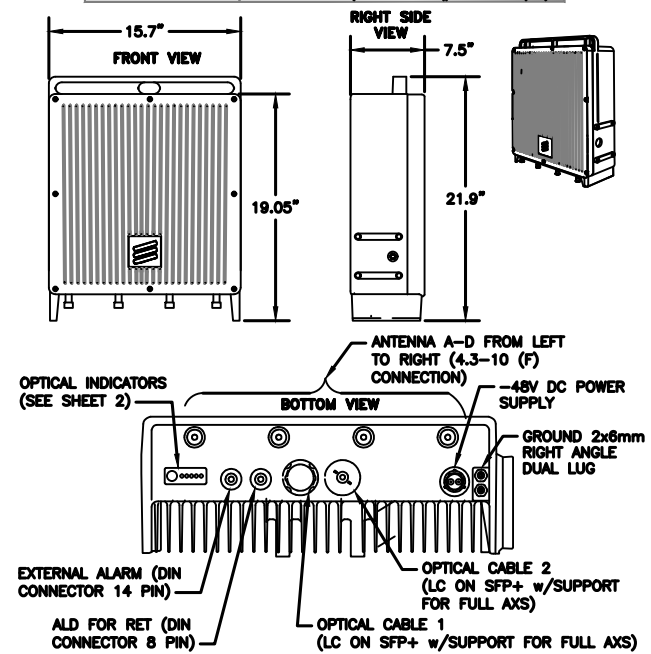
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| MANUFACTURER: | RFS |
| MODEL: | APXVAALL24_43-U-NA20 |
| DIMENSIONS: | 95.87" x 24.02" x 8.86" |
| WEIGHT: | 119 LB |
| BAND: | QUAD BAND (8 PORT) |
| MOUNTING KIT & WEIGHT: | APM40-10E BEAM TILT KIT (INCLUDED) (16.53 LBS) |



1 34087 - RFS APXVAALL24_43-U-NA20
SCALE: N.T.S.

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



2 34372 - ERICSSON 4480 RADIO
SCALE: N.T.S.

SUPPLEMENTAL

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

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



Eng. Number 14097402_C8_01
 June 16, 2022
 Page 1

Mount Analysis Report

ATC Site Name : Burlington 2, CT
ATC Site Number : 209185
Engineering Number : 14097402_C8_01
Mount Elevation : 101.5 ft
Carrier : T-Mobile
Carrier Site Name : CTHA560B
Carrier Site Number : CTHA560B
Site Location : 87 Monce Road
 Burlington, CT 6013-2542
 41.73912732, -72.90781103
County : Hartford
Date : June 16, 2022
Max Usage : 48%
Result : Contingent Pass

Prepared By:
 Michael Ellis
 Structural Engineer I

Reviewed By:



Authorized by "EOR"
 16 Jun 2022 04:34:45 cosign

COA: PEC.0001553

A.T. Engineering Service, PLLC - 3500 Regency Parkway, Suite 100 - Cary, NC 27518 - 919.468.0112 Office - 919.466.5414 Fax - www.americantower.com

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Introduction

The purpose of this report is to summarize results of the mount analysis performed for T-Mobile at 101.5 ft.

Supporting Documents

| | |
|-----------------------------------|---------------------------------------|
| Mount Modification | Site Pro 1 HRK12, dated July 13, 2014 |
| Radio Frequency Data Sheet | RFDS ID #CTHA560B, dated May 31, 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: | 116 mph (3-Second Gust) |
| Basic Wind Speed w/ Ice: | 50 mph (3-Second Gust) w/ 1.50" radial ice concurrent |
| Codes: | ANSI/TIA-222-H |
| Exposure Category: | C |
| Risk Category: | II |
| Topographic Factor Procedure: | Method 2 |
| Feature: | Flat |
| Crest Height (H): | 0 ft |
| Crest Length (L): | 0 ft |
| Spectral Response: | Ss = 0.184, S1 = 0.054 |
| Site Class: | D - Stiff Soil - Default |
| Live Loads: | Lm = 500 lbs |

* Based on experience, it has been determined that the Lv load cases will not control over Lm load cases in platform mount analyses. Therefore, these load cases have been excluded from this analysis.

Conclusion

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

- Install Site Pro 1 HRK12 handrail reinforcement kit (or similar) as requested by T-MOBILE.
- A handrail kit was modeled due to the Carrier's proposed Mount Type. The mount geometry before this addition was not assessed.

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.

SUPPLEMENTAL

SHEET NUMBER:
R-604

REVISION:
0