

EM-CING-101-201005

**From:** Daniel Hatab <[daniel.hatab@ramapocom.com](mailto:daniel.hatab@ramapocom.com)>  
**Sent:** Friday, April 2, 2021 10:35 AM  
**To:** CSC-DL Siting Council <[Siting.Council@ct.gov](mailto:Siting.Council@ct.gov)>  
**Subject:** AT&T Site CTL02012

Good Morning,

The site below has been completed on 3/05, we have CSC exempt letter, attached for reference, but CCA letter was received and attached as well.

AT&T Site: CTL02012  
Address: 15 DEWIGHT STREET, NORTH HAVEN, CT 06473

Thank You,

**Daniel Hatab**

[daniel.hatab@ramapocom.com](mailto:daniel.hatab@ramapocom.com)

*20 Romanelli Ave, S. Hackensack, NJ 07606*

Cell Phone: (201) 742-1070

Office Phone: (201) 343-2995



Date: March 30, 2021

State of Connecticut  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, Ct. 06051  
Phone: (860) 827-2935

SMW Engineering Group, Inc.  
158 Business Center Dr  
Birmingham AL. 35244  
(205) 252-6985

<b>Jurisdiction:</b>	<b>Town of North Haven, CT</b>
<b>Building Permit:</b>	<b>B-20-1207</b>
<b>Subject:</b>	<b>Special Inspection Letter – Final Certification</b>
<b>ATC Site:</b>	<b>North Haven Ct 1 – 302482</b>
<b>AT&amp;T site:</b>	<b>CTL02012 – FA:10034972</b>
<b>Site Address:</b>	<b>15 Dwight Street North Haven, Ct. 06473-1198</b>
<b>AT&amp;T Scope of work:</b>	<b>Antenna Amendment Drawings</b>
<b>SMW Engineering Project:</b>	<b>20-10277.1</b>

Dear Sir or Madam,

On March 30, 2021, SMW Engineering Group, Inc., reviewed detailed photographs of the AT&T telecommunication facility located at the above referenced site. The purpose of these pictures was to inspect the installation in accordance with the following codes:

- International Building Code (IBC)
- National Electric Code (NEC)
- Local Building Code
- City / County Ordinances

**Proposed scope of work on tower from Construction Drawings:**

- Removal of (3) existing Powerwave 7770 antennas – (1) per sector
- Relocate of (3) existing CCI OPA-65R-LCUU-H6 antennas – (1) per sector
- Removal of (3) existing RRUS-11 B12 - (1) per sector
- Removal of (3) existing RRUS-12 B2 - (1) per sector
- Installation of Handrail Reinforcement Kit – Site pro 1 P/N HSRK-35 – Typ. each sector
- Installation of (3) new CCI DMP65R-BU6DA antennas – (1) per sector

- Installation of (3) RRUS 4449 B5/B12 - (1) per sector
- Installation of (3) RRUS 8843 B2/B66A - (1) per sector
- Installation of (1) DC6-48-60-18-8F- squid

**Discrepancies from Permitted Drawings:**

- None

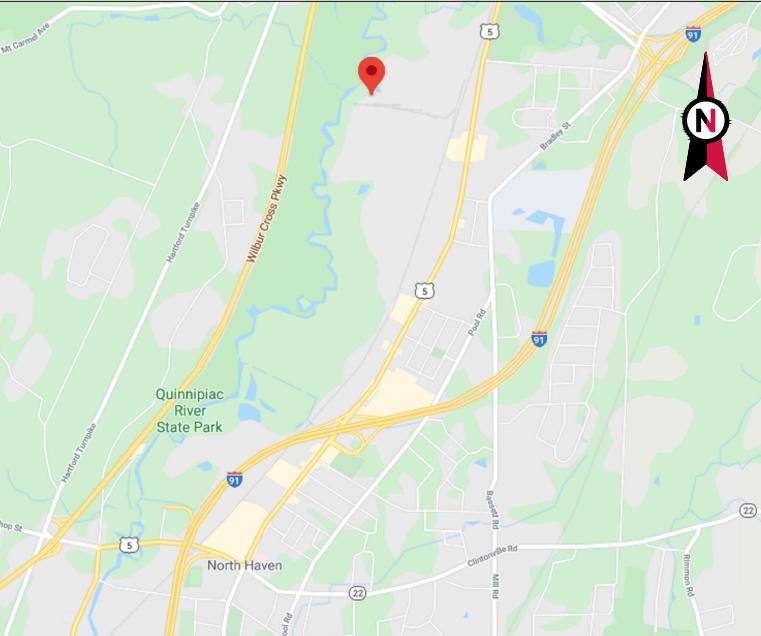
To the best of our knowledge, belief, and professional judgment, the connections of the installed equipment were performed **in substantial compliance** with the approved construction drawings prepared by SMW Engineering Group, Inc. dated 09-22-20 Rev. 1.

Should you have any questions or wish to discuss any aspect of this letter, please do not hesitate to contact the undersigned.

Sincerely,

John T. Liu, PE  
**SMW Engineering Group, INC.**  
 Principal Engineer  
 Connecticut Registration #33076





VICINITY MAP

CURRENT PROJECTS:  
 5C - PACE #: MRCTB046848  
 4TX4RX - PACE #: MRCTB046681  
 4TX4RX - PACE #: MRCTB046511  
 5G NR - PACE #: MRCTB046791



ATC SITE NAME: NORTH HAVEN CT 1  
 ATC SITE NUMBER: 302482  
 AT&T SITE ID: CTL02012  
 AT&T FA CODE: 10034972  
 AT&T SITE NAME: NORTH HAVEN-DWIGHT ST  
 SITE ADDRESS: 15 DEWIGHT STREET  
 NORTH HAVEN, CT 06473-1198



LOCATION MAP

## AT&T MOBILITY ANTENNA AMENDMENT PLAN

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	<p><u>SITE ADDRESS:</u>          15 DEWIGHT STREET          NORTH HAVEN, CT 06473-1198</p> <p><u>COUNTY:</u> NEW HAVEN</p> <p><u>GEOGRAPHIC COORDINATES:</u>          LATITUDE: 41.42080556          LONGITUDE: -72.8488</p> <p><u>GROUND ELEVATION:</u> 26' AMSL</p>	<p>THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:</p> <p><u>TOWER WORK:</u>          REMOVE (3) UMTS ANTENNAS, (6) LTE RRH'S, AND (2) 0.51" HYBRID CABLES          INSTALL (3) LTE ANTENNAS, (9) LTE RRH'S, (1) DC6 SQUID, (2) 0.78" 8AWG6 DC TRUNKS, (2) 0.39" FIBER CABLES, AND MOUNT MODIFICATIONS          EXISTING (6) LTE ANTENNAS, (3) LTE RRH'S, (12) DPLEXERS, (6) TMA'S, (2) DC6 SQUIDS, (4) 0.78" 8AWG6 DC TRUNKS, AND (12) 1-1/4" COAX CABLES TO REMAIN</p> <p><u>GROUND WORK:</u>          INSTALL (1) 6630 AND (1) IDLE          EXISTING (2) RRUS-4478 B14 TO REMAIN</p>	<p>SHEET NO:</p> <p>G-001</p> <p>G-002</p> <p>C-101</p> <p>C-201</p> <p>C-401</p> <p>C-501</p> <p>C-502</p> <p>E-501</p> <p>R-601</p> <p>R-602</p>	<p>DESCRIPTION:</p> <p>COVER SHEET</p> <p>GENERAL NOTES</p> <p>DETAILED SITE PLAN</p> <p>TOWER ELEVATION</p> <p>RF SCHEDULE AND ANTENNA INSTALLATION</p> <p>CONSTRUCTION DETAILS</p> <p>EQUIPMENT SPECIFICATIONS</p> <p>GROUNDING DETAILS</p> <p>SUPPLEMENTAL</p> <p>SUPPLEMENTAL</p>	<p>REV:</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>DATE:</p> <p>09/22/20</p> <p>09/22/20</p> <p>09/22/20</p> <p>09/22/20</p> <p>09/22/20</p> <p>09/22/20</p> <p>09/22/20</p> <p>09/22/20</p>	<p>BY:</p> <p>ZDS</p> <p>ZDS</p> <p>ZDS</p> <p>ZDS</p> <p>ZDS</p> <p>ZDS</p> <p>ZDS</p> <p>ZDS</p>
UTILITY COMPANIES	<p>POWER COMPANY: UNITED ILLUMINATING          PHONE: (800) 722-5584</p> <p>TELEPHONE COMPANY: FRONTIER COMMUNICATIONS          PHONE: (800) 376-6843</p>	<p><u>PROJECT TEAM</u></p> <p><u>TOWER OWNER:</u>          AMERICAN TOWER          10 PRESIDENTIAL WAY          WOBURN, MA 01801</p> <p><u>APPLICANT:</u>          AT&amp;T MOBILITY</p> <p><u>ENGINEER:</u>          JEREMY SHARIT          jsharit@smweng.com</p> <p><u>CONSULTING ENGINEER</u></p> <p><u>PROPERTY OWNER:</u>          15 DWIGHT ST LLC          C/O NEIL F CARRANO          11 SAGAMORE TERRACE S.          WESTBROOK, CT 06498</p>	<p>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.</p> <p><u>PROJECT LOCATION DIRECTIONS</u></p> <p>I-91 TO EXIT 13 TO RT 5 SOUTH. TURN RIGHT ONTO DEFCO PARK ROAD. TAKE FIRST RIGHT ONTO DODGE THEN LEFT ONTO DWIGHT. GO TO END OF STREET AND TURN LEFT INTO GATED PARKING LOT. TOWER IS IN BACK TO THE RIGHT.</p>	<p>--</p> <p>MOUNT MODIFICATIONS</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p>			
811			<p>AS-BUILT CDs          Ramapo Communicaion Corp          2/5/2021          Matthew Schlosser          Matthew Schlosser</p>				
Know what's below. Call before you dig.							

AMERICAN TOWER®

**SMW**  
ENGINEERING GROUP, INC.

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

REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	ZDS	09/22/20
2			
3			
4			
5			

ATC SITE NUMBER:  
 302482  
 ATC SITE NAME:  
 NORTH HAVEN CT 1  
 AT&T MOBILITY SITE NAME:  
 NORTH HAVEN-DWIGHT ST  
 SITE ADDRESS:  
 15 DEWIGHT STREET  
 NORTH HAVEN, CT 06473-1198

SEAL:



DATE DRAWN: 06/24/20  
 ATC JOB NO: 13242626\_G3  
 CUSTOMER ID: NORTH HAVEN-DWIGHT ST  
 CUSTOMER #: 10034972

## TITLE SHEET

SHEET NUMBER: G-001  
 REVISION: 1

## GENERAL CONSTRUCTION NOTES:

ALL ITEMS PROVIDED.

1. OWNER FURNISHED MATERIALS, AT&T MOBILITY "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
  - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
  - B. ACTELCO 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, MONOPLES
  - 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 CAISSENS, 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 AT&T MOBILITY 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 ANSI/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 AT&T MOBILITY REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T MOBILITY REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY 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 AT&T MOBILITY 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 AT&T MOBILITY 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 AT&T MOBILITY 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 AT&T MOBILITY 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

WEATHER SEALED WITH RFS CONNECTORS/SPICE WEATHERPROOFING KIT #221213 OR EQUAL.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY 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 AT&T MOBILITY 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 NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
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 AT&T MOBILITY REP. ANY WORK FOUND BY THE AT&T MOBILITY 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. AT&T MOBILITY FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T MOBILITY WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, APPURATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTEANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. AT&T MOBILITY 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 AT&T MOBILITY OR THEIR ARCHITECT/ENGINEER.

## SPECIAL CONSTRUCTION

### ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
  - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY AT&T MOBILITY 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 AND
  - B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND AT&T MOBILITY SPECIFICATIONS.
  - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
  - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.
  - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED 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 GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE

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.

AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser



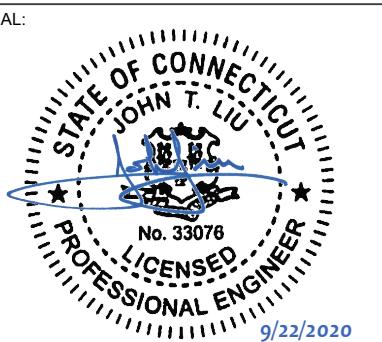
TOGETHER PLANNING A BETTER TOMORROW  
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 FAX: 205-320-1504

REV. DESCRIPTION BY DATE  
1 FOR CONSTRUCTION ZDS 09/22/20  
2  
3  
4  
5  
6

ATC SITE NUMBER:  
302482  
ATC SITE NAME:

NORTH HAVEN CT 1  
AT&T MOBILITY SITE NAME:  
NORTH HAVEN-DWIGHT ST

SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN, CT 06473-1198



DATE DRAWN: 06/24/20  
ATC JOB NO: 13242626\_G3  
CUSTOMER ID: NORTH HAVEN-DWIGHT ST  
CUSTOMER #: 10034972

GENERAL NOTES  
SHEET NUMBER: G-002  
REVISION: 1

**SITE PLAN NOTES:**

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

## LEGEND

GROUNDING TEST WELL  
AUTOMATIC TRANSFER SWITCH  
BOLLARD  
CELL SITE CABINET  
DISCONNECT  
ELECTRICAL  
FIBER  
GENERATOR  
GENERATOR RECEPTACAL  
HAND HOLE, VAULT  
ICE BRIDGE  
KENTROX BOX  
LIGHTING CONTROL  
METER  
PULL BOX  
POWER POLE  
TELCO  
TRANSFORMER  
CHAINLINK FENCE

PROPOSED (2) 0.78" DC CABLE  
AND (2) 0.39" FIBER CABLES  
(ROUTED PER TOWER NOTE 2)  
(REFER TO PROPOSED CABLE  
LENGTH NOTE ON THIS PAGE)

TING (4) 0.78" DC CABLES AND  
(12) 1-1/4" COAX CABLES  
(TO REMAINING  
(2) 0.51" HYBRID/FIBER CABLES  
(TO BE REMOVED)

**PROPOSED CABLE LENGTH:**

1. ESTIMATED LENGTH OF PROPOSED CABLE IS 185'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.

2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. 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

EXISTING (2) GROUND MOUNTED  
RRUS-4478 B14 TO REMAIN AND  
BE RE-USED

## 1 DETAILED SITE PLAN

AS-BUILT CDs  
Ramapo Communication Corp  
2/5/2021  
Matthew Schlosser  
*Matthew Schlosser*



TOGETHER PLANNING A BETTER TOMORROW

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

EV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	ZDS	09/22/2023

ATC SITE NUMBER:  
**302482**  
ATC SITE NAME:  
**NORTH HAVEN CT 1**  
AT&T MOBILITY SITE NAME:  
**NORTH HAVEN-DWIGHT ST**

The seal is circular with a dashed outer border. The words "STATE OF CONNECTICUT" are at the top and "PROFESSIONAL ENGINEER" are at the bottom. In the center is a shield with a bridge, a river, and a sun. Above the shield is "JOHN T. LIU". Below the shield is "No. 33076". A blue star is on the left and a blue line is on the right. The date "9/22/2020" is at the bottom right.



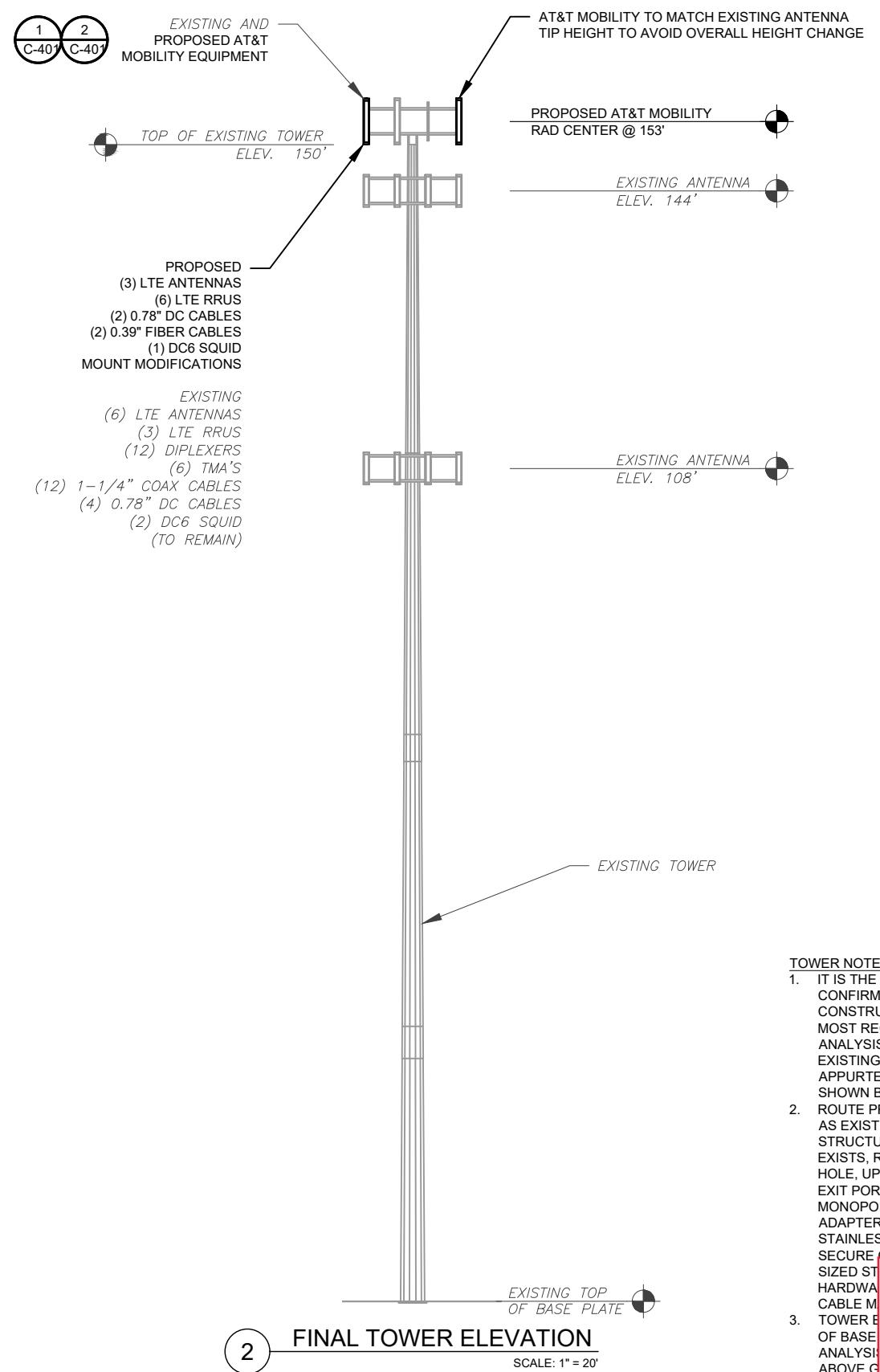
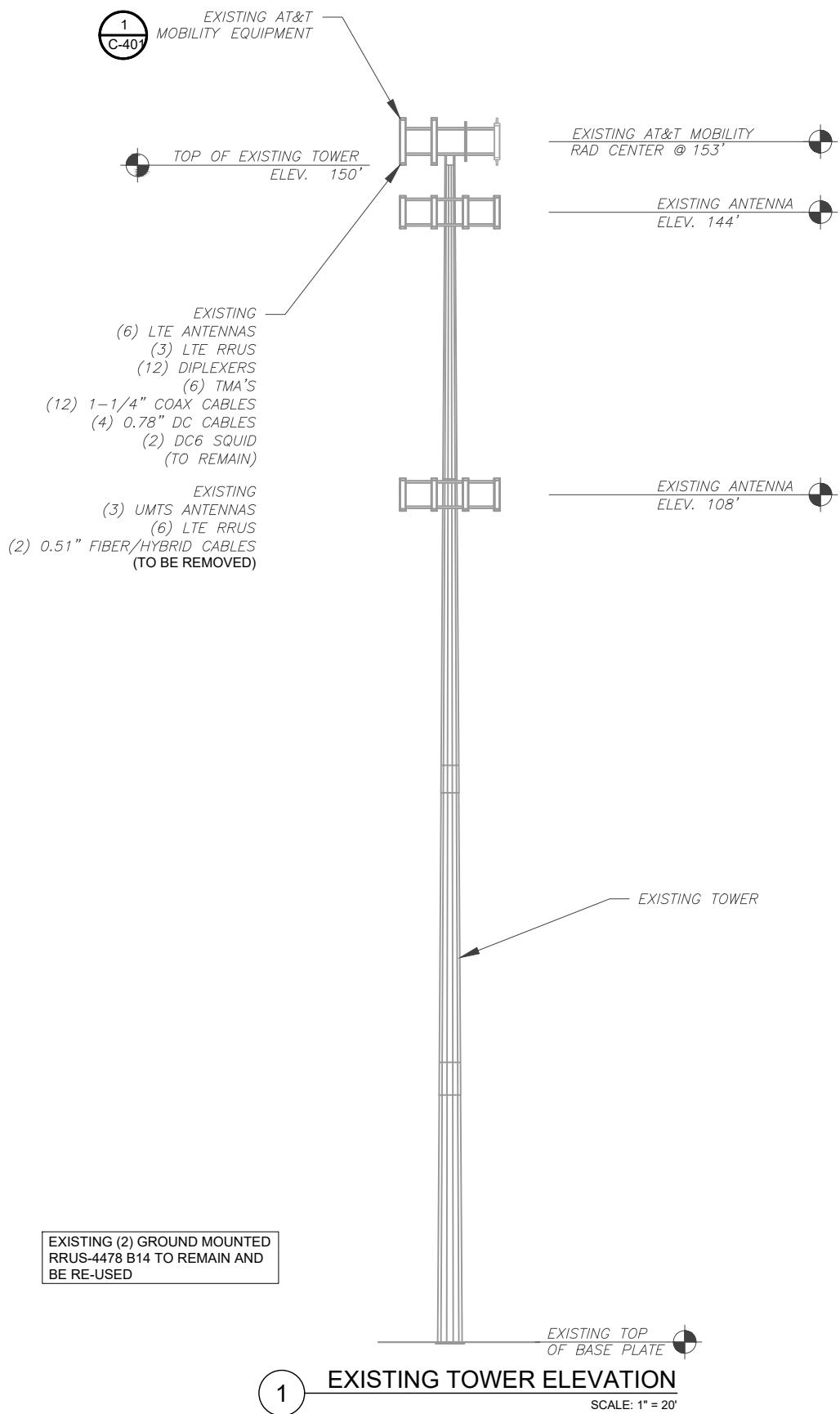
DATE DRAWN:	06/24/20
ATC JOB NO:	13242626_G3
CUSTOMER ID:	NORTH HAVEN-DWIGHT ST
CUSTOMER #:	10034972

## DETAILED SITE PLAN

SHEET NUMBER:	REVISION
<b>C-101</b>	<b>1</b>

EXISTING AND FINAL CONFIGURATIONS ARE BASED ON RFDS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 07/01/20, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING ONCE THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, IS INSTALLED.



**TOWER NOTE:**

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE AMERICAN TOWER CONSTRUCTION MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. 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 BANDING OR AS-BUILT CDs.
3. TOWER ELEVATION OF BASE PLATE ANALYSIS IS INCLUDED ABOVE GROUND. Ramapo Communicaion Corp 2/5/2021 Matthew Schlosser

REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	ZDS	09/22/20
2			
3			
4			
5			

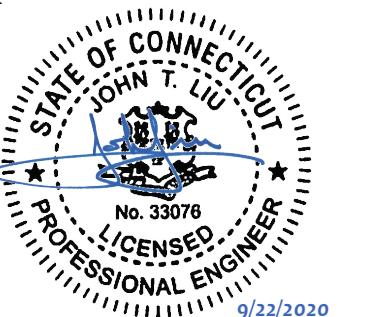
ATC SITE NUMBER:  
**302482**

ATC SITE NAME:  
**NORTH HAVEN CT 1**

AT&T MOBILITY SITE NAME:  
**NORTH HAVEN-DWIGHT ST**

SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN, CT 06473-1198

SEAL:



DATE DRAWN:	06/24/20
ATC JOB NO:	13242626_G3
CUSTOMER ID:	NORTH HAVEN-DWIGHT ST
CUSTOMER #:	10034972

**TOWER ELEVATION**

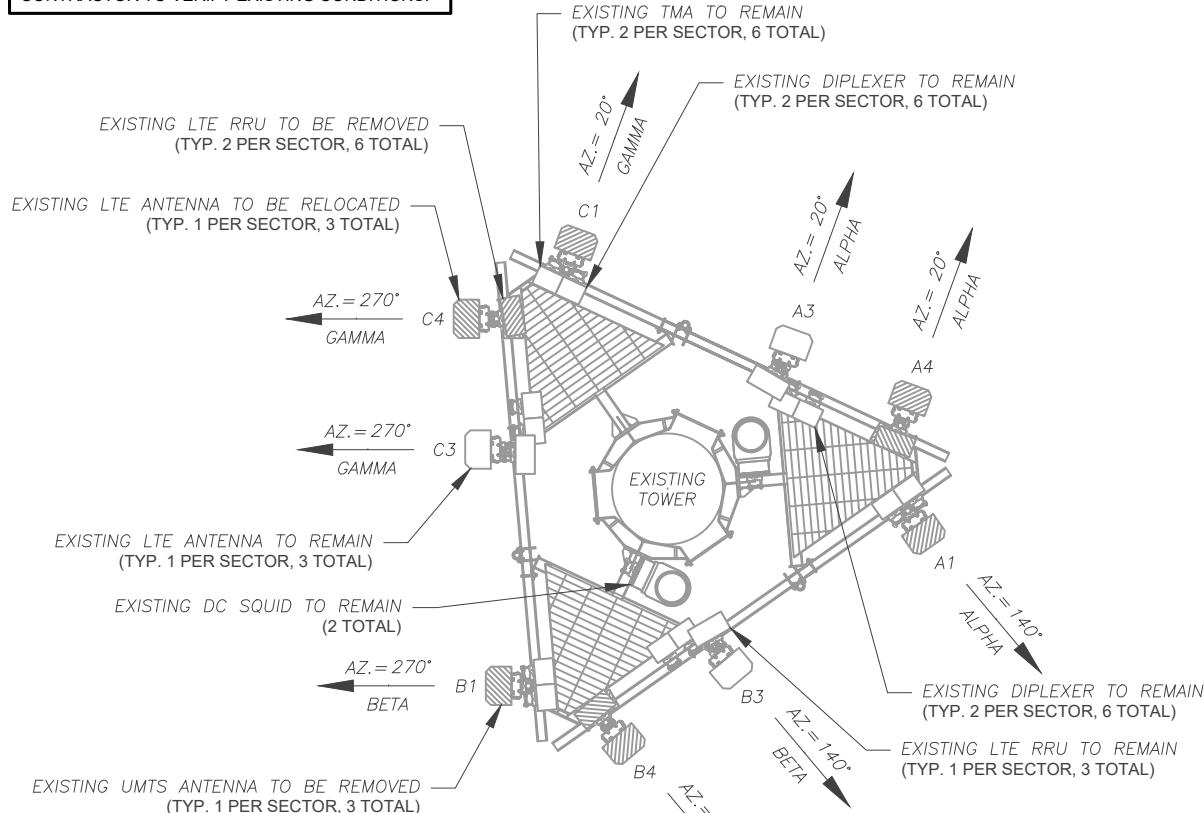
SHEET NUMBER: **C-201** REVISION: **1**



**SMW**  
ENGINEERING GROUP, INC.

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

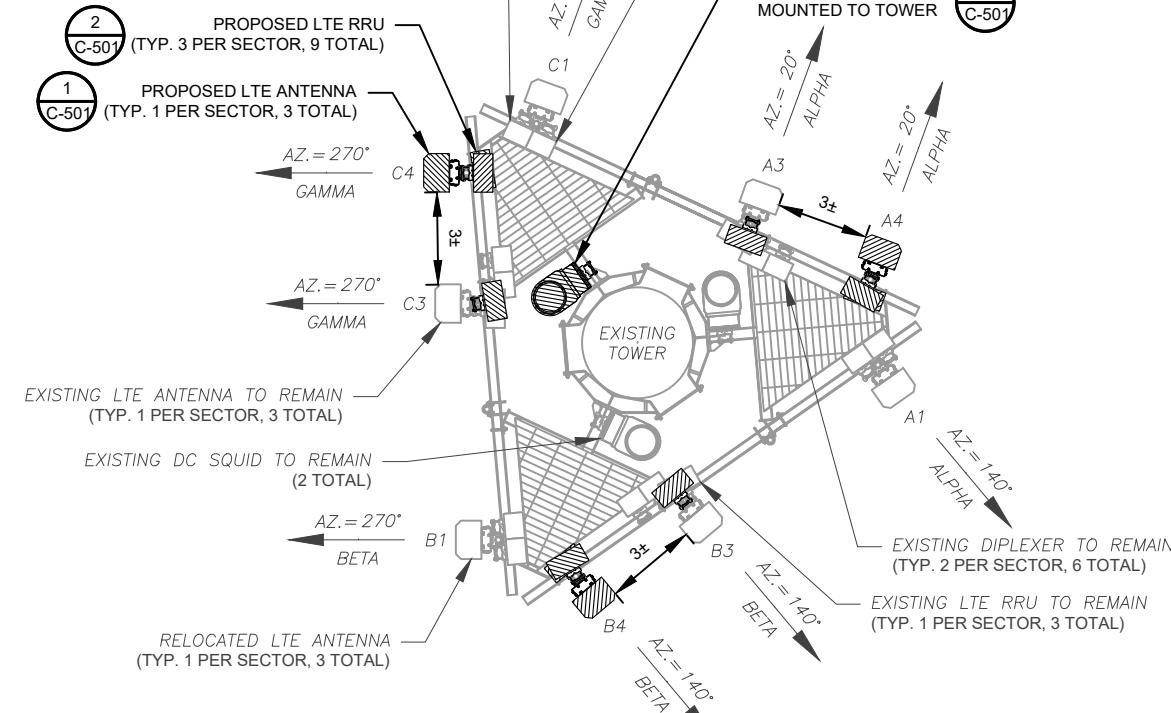
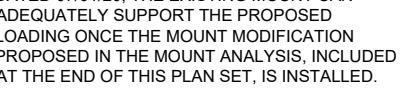
EXISTING CONFIGURATIONS ARE BASED ON RFDS.  
CONTRACTOR TO VERIFY EXISTING CONDITIONS.



## 1 CURRENT ANTENNA PLAN

---

SCALE: 1" = 5'



## 3 FINAL ANTENNA PLAN

SCALE: 1" = 5

PROPOSED RRUs MUST BE  
INSTALLED A MINIMUM OF 8"  
AWAY FROM ALL ANTENNAS

EXISTING ANTENNA SCHEDULE								
LOCATION		ANTENNA SUMMARY				NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	153'	140°	A1	POWERWAVE 7770	UMTS	RMV	(2) 782-10250 DIPLEXER	RMN
							(2) LGP 21401 TMA	RMN
		20°	A3	QS66512-2	LTE	RMN	RRUS-32 B30	RMN
		20°	A4	OPA-65R-LCUU-H6	LTE	REL	(2) DBC0061F1V51-2 DIPLEXER	RMN
							RRUS-11 B12	RMV
							RRUS-12 B2	RMV
BETA	153'	270°	B1	POWERWAVE 7770	UMTS	RMV	(2) 782-10250 DIPLEXER	RMN
							(2) LGP 21401 TMA	RMN
		140°	B3	QS66512-2	LTE	RMN	RRUS-32 B30	RMN
							(2) DBC0061F1V51-2 DIPLEXER	RMN
		140°	B4	OPA-65R-LCUU-H6	LTE	REL	RRUS-11 B12	RMV
							RRUS-12 B2	RMV
GAMMA	153'	20°	C1	POWERWAVE 7770	UMTS	RMV	(2) 782-10250 DIPLEXER	RMN
							(2) LGP 21401 TMA	RMN
		270°	C3	QS66512-2	LTE	RMN	RRUS-32 B30	RMN
							(2) DBC0061F1V51-2 DIPLEXER	RMN
		270°	C4	OPA-65R-LCUU-H6	LTE	REL	RRUS-11 B12	RMV
							RRUS-12 B2	RMV

NOTES

1. CONFIRM WITH AT&T MOBILITY  
REP FOR APPLICABLE  
UPDATES/REVISONS AND MO  
RECENT RFDS FOR NSN  
CONFIGURATION (CONFIG). GO  
CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPO  
EQUIP DOES NOT CAUSE TOW  
CONFLICTS NOR IMPEDE TOW  
CLIMBING PEGS.
3. THE ANTENNA ORIENTATION P  
IS A SCHEMATIC. ATC DID NOT  
CONFIRM EXISTING SITE  
CONDITIONS INCLUDING, BUT  
LIMITED TO, ANTENNA AZIMUTH  
MOUNT CONFIGURATIONS AND  
TOWER ORIENTATION. SCALE  
SHOWN ARE FOR REFERENCE  
ONLY AND EXISTING DIMENSIONS  
ARE APPROXIMATE. THE  
CONTRACTOR SHALL VERIFY  
EXISTING CONDITIONS PRIOR  
INSTALLATION AND NOTIFY ATC  
OF ANY DISCREPANCIES.
4. CONTRACTOR TO ENSURE  
PROPER SEPARATION IN  
ACCORDANCE WITH AT&T'S  
FIRSTNET REQUIREMENTS (SEE  
SHEET R-602)

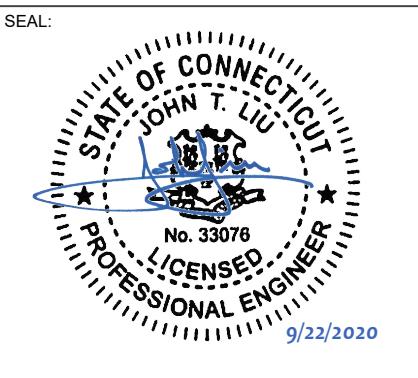
FINAL ANTENNA SCHEDULE									
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS	
Y ST C TO OSED VER VER PLAN NOT HS, D S E ONS ALL TO C EE RS	ALPHA	140°	A1	OPA-65R-LCUU-H6	LTE	REL	(2) 782-10250 DIPLEXER	RMN	
							(2) LGP 21401 TMA	RMN	
		153°	20°	QS66512-2	LTE	RMN	RRUS-4478 B14	ADD	
							RRUS-32 B30	RMN	
	BETA	20°	A4	DMP65R-BU6DA	LTE	ADD	(2) DBC0061F1V51-2 DIPLEXER	RMN	
							RRUS-4449 B5/B12	ADD	
		270°	B1	OPA-65R-LCUU-H6	LTE	REL	RRUS-8843 B2/B66A	ADD	
							(2) 782-10250 DIPLEXER	RMN	
	GAMMA	153°	140°	B3	QS66512-2	LTE	RMN	(2) LGP 21401 TMA	RMN
								RRUS-4478 B14	ADD
			140°	B4	DMP65R-BU6DA	LTE	ADD	RRUS-32 B30	RMN
								(2) DBC0061F1V51-2 DIPLEXER	RMN
								RRUS-4449 B5/B12	ADD
		153°	20°	C1	OPA-65R-LCUU-H6	LTE	REL	RRUS-8843 B2/B66A	ADD
								(2) 782-10250 DIPLEXER	RMN
			270°	C3	QS66512-2	LTE	RMN	(2) LGP 21401 TMA	RMN
								RRUS-4478 B14	ADD
				C4	DMP65R-BU6DA	LTE	ADD	RRUS-32 B30	RMN
								(2) DBC0061F1V51-2 DIPLEXER	RMN
								RRUS-4449 B5/B12	ADD
								RRUS-8843 B2/B66A	ADD

## EQUIPMENT SCHEDULES

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(2) DC6-48-60-18-8F	RMN	(12) 1-1/4"	(4) 0.78"	(2) 0.39"	RMN
—	—	—	—	(2) 0.51"	RMV

FINAL FIBER DISTRIBUTION/SQUID			FIN	AS-BUILT CDs
MODEL NUMBER	STATUS	COAX		Ramapo Communicaion Corp
(2) DC6-48-60-18-8F	RMN	(12) 1-1/4"	(	2/5/2021
DC6-48-60-18-8F	ADD	—	)	Matthew Schlosser

AS-BUILT CDs  
Ramapo Communication Corp  
2/5/2021  
Matthew Schlosser  
*Matthew Schlosser*



DATE DRAWN:	06/24/20
ATC JOB NO:	13242626_G3
CUSTOMER ID:	NORTH HAVEN-DWIGHT ST
CUSTOMER #:	10034972

## RF SCHEDULE AND ANTENNA INSTALLATION

SHEET NUMBER:	REVISION:
<b>C-401</b>	<b>1</b>



**SMW**  
ENGINEERING GROUP, INC.

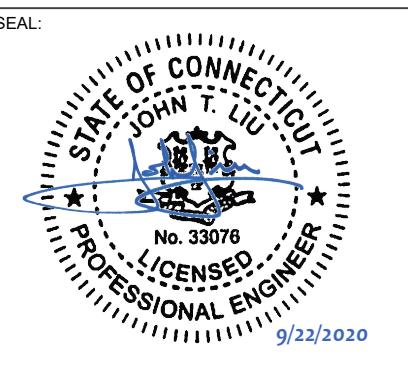
TOGETHER PLANNING A BETTER TOMORROW  
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	ZDS	09/22/20
△			
△			
△			
△			

ATC SITE NUMBER:  
**302482**

ATC SITE NAME:  
**NORTH HAVEN CT 1**  
AT&T MOBILITY SITE NAME:  
**NORTH HAVEN-DWIGHT ST**

SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN, CT 06473-1198



DATE DRAWN:	06/24/20
ATC JOB NO:	13242626_G3
CUSTOMER ID:	NORTH HAVEN-DWIGHT ST
CUSTOMER #:	10034972

## CONSTRUCTION DETAILS

AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser

SHEET NUMBER:	REVISION:
<b>C-501</b>	<b>1</b>



**SMW**  
ENGINEERING GROUP, INC.

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

REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	ZDS	09/22/20

ATC SITE NUMBER:  
**302482**

ATC SITE NAME:

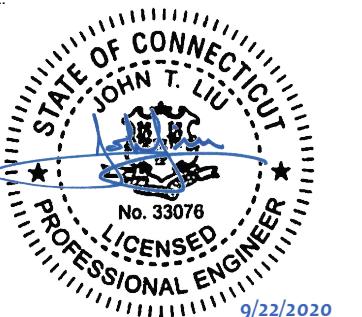
**NORTH HAVEN CT 1**

AT&T MOBILITY SITE NAME:

**NORTH HAVEN-DWIGHT ST**

SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN, CT 06473-1198

SEAL:

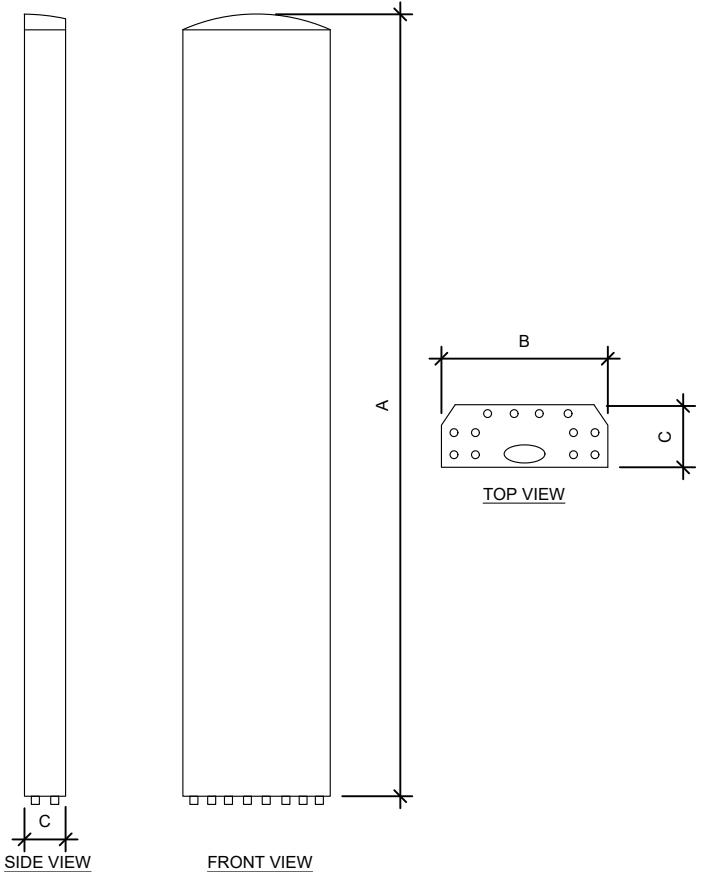


DATE DRAWN:	06/24/20
ATC JOB NO:	13242626_G3
CUSTOMER ID:	NORTH HAVEN-DWIGHT ST
CUSTOMER #:	10034972

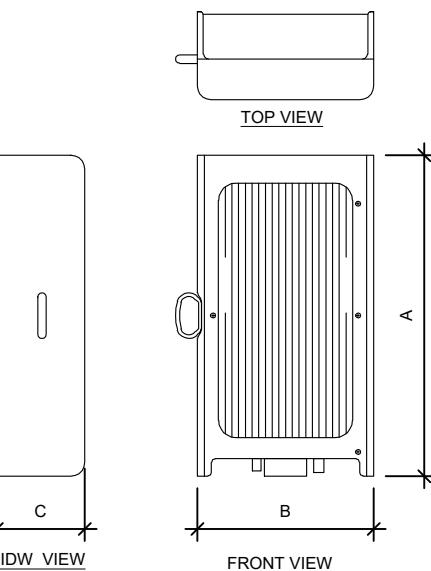
## EQUIPMENT SPECIFICATIONS

AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser

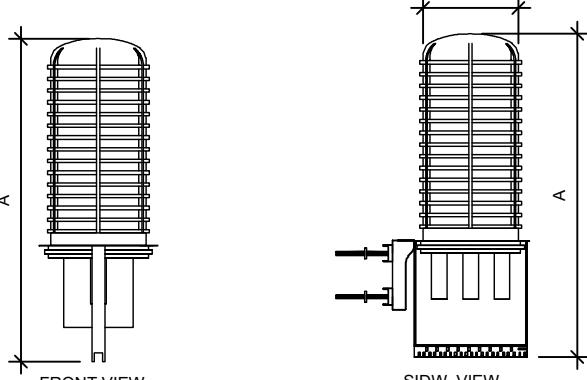
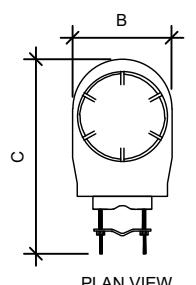
SHEET NUMBER:	REVISION:
<b>C-502</b>	<b>1</b>



ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
CCI DMP65R-BU6DA	71.2"	20.7"	7.7"	79.4



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
4449 B5, B12	17.9"	13.2"	9.4"	71.0
8843 B2/B66A	18.0"	13.2"	11.3"	75.0



RAYCAP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
DC6-48-60-18-8F	31.41"	10.24"	18.28"	16.0



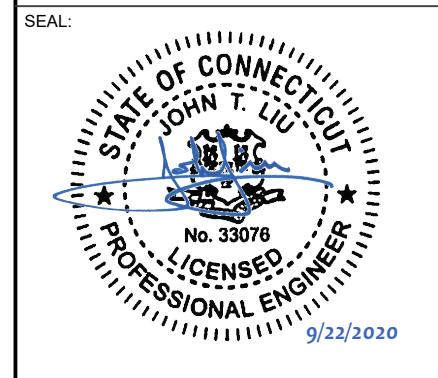
TOGETHER PLANNING A BETTER TOMORROW  
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
1	FOR CONSTRUCTION	ZDS	09/22/20
2			
3			
4			

ATC SITE NUMBER:  
**302482**

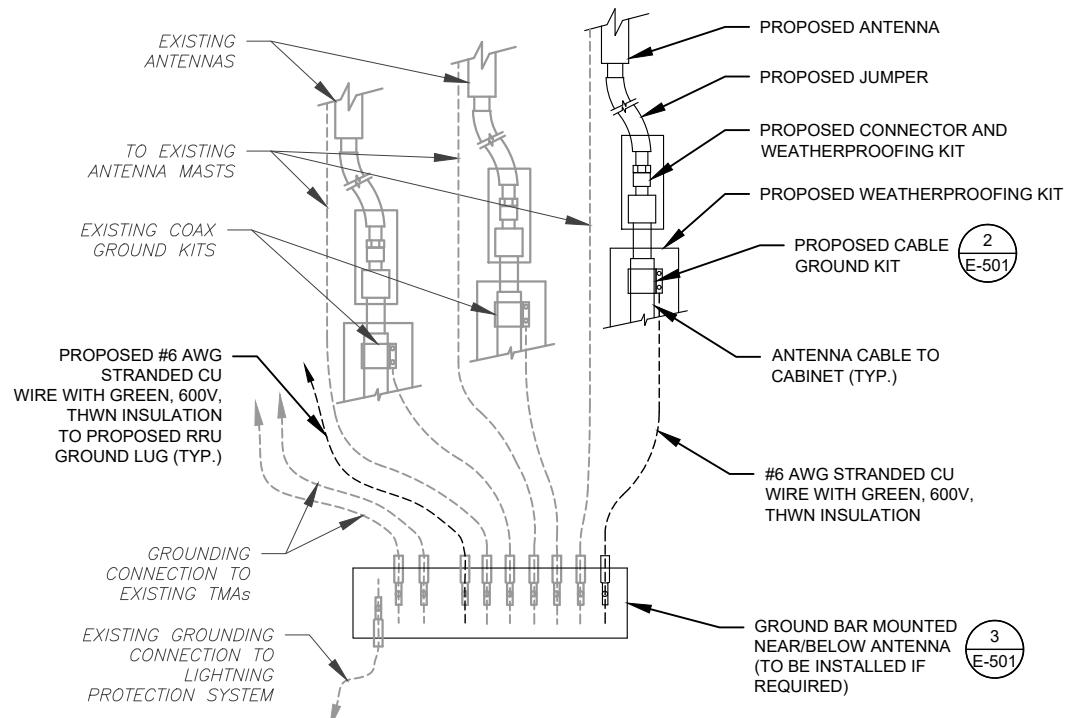
ATC SITE NAME:  
**NORTH HAVEN CT 1**  
AT&T MOBILITY SITE NAME:  
**NORTH HAVEN-DWIGHT ST**

SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN, CT 06473-1198



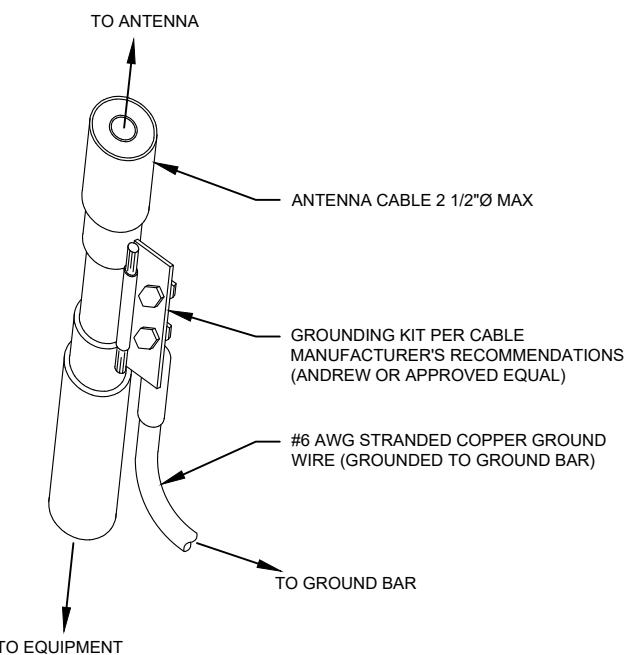
DATE DRAWN:	06/24/20
ATC JOB NO:	13242626_G3
CUSTOMER ID:	NORTH HAVEN-DWIGHT ST
CUSTOMER #:	10034972

## GROUNDING DETAILS



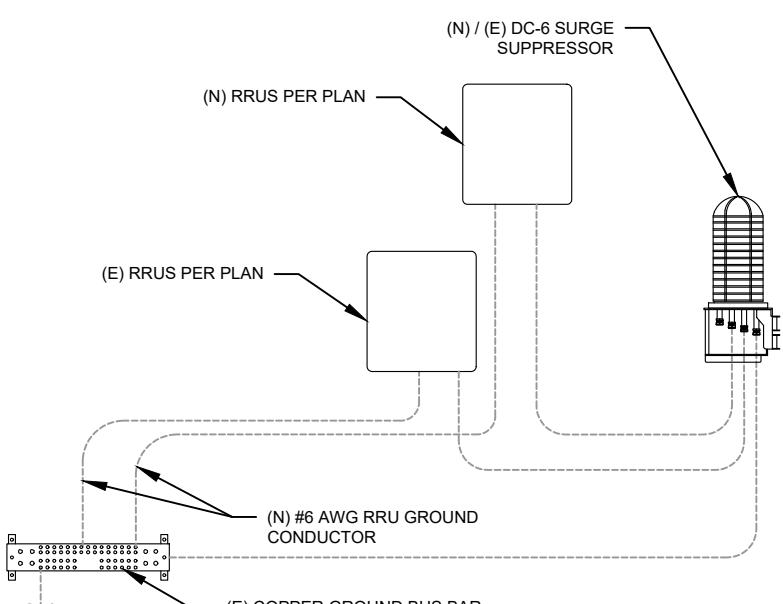
**1 TYPICAL ANTENNA GROUNDING DIAGRAM**

SCALE: N.T.S.



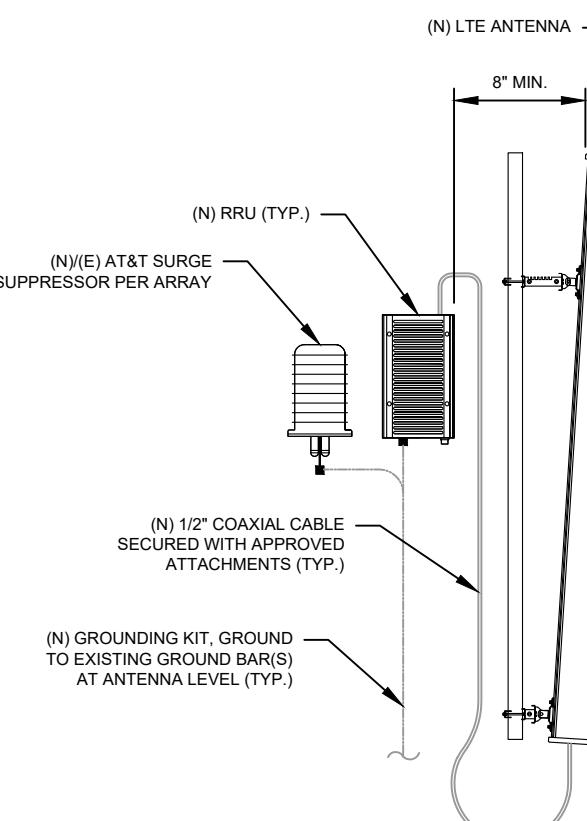
**2 CABLE GROUND KIT CONNECTION DETAIL**

SCALE: N.T.S.



**3 RRU GROUNDING**

SCALE: N.T.S.

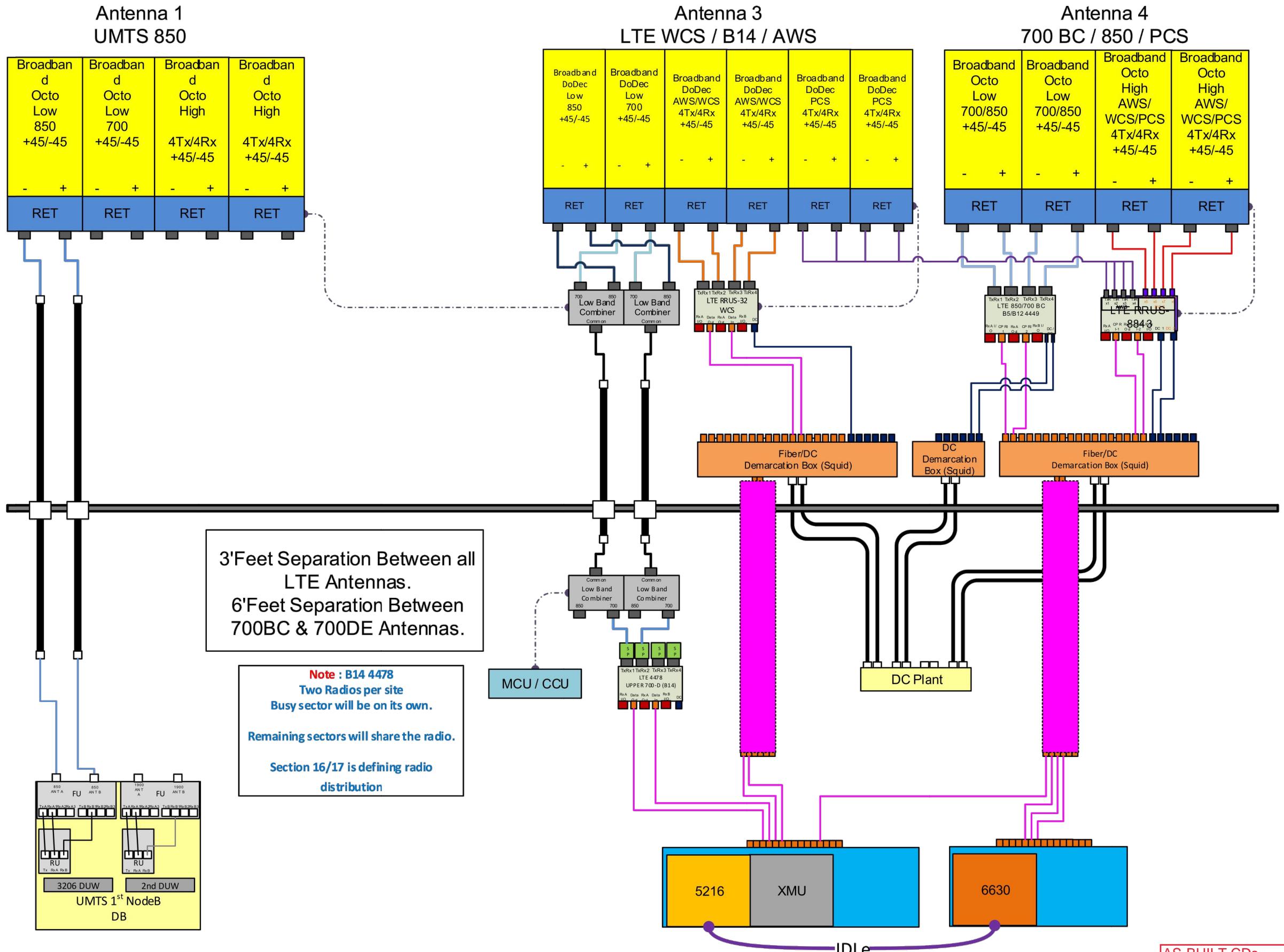


**4 ANTENNA/RRU GROUNDING**

SCALE: N.T.S.

AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser

SHEET NUMBER: **E-501** REVISION: **1**



**SUPPLEMENTAL**  
SHEET NUMBER: **R-601** REVISION: **-**



## Antenna Mount Analysis Report

ATC Site Name : North Haven CT 1, CT  
ATC Site Number : 302482  
Engineering Number : 13242626\_C9\_04  
Mount Elevation : 152 ft  
Carrier : AT&T Mobility  
Carrier Site Name : MRCTB046848  
Carrier Site Number : CTL02012  
Site Location : 15 Dewight Street  
North Haven, CT 06473-1198  
41.42080556, -72.8488  
County : New Haven  
Date : July 1, 2020  
Max Usage : 80%  
Result : Contingent Pass

Prepared By:  
Trevor Ridilla  
Structural Engineer I

Reviewed By:



Eng. Number 13242626\_C9\_04  
July 1, 2020  
Page 1

### Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T Mobility at 152 ft.

### Supporting Documents

Radio Frequency Data Sheet	RFDS ID #CTL02012, dated March 27, 2020
Reference Photos	Site photos from 2019
Other Document	Dewberry Engineers Project #50096232, dated March 9, 2018

### Analysis

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

Basic Wind Speed:	120 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANSI/TIA-222-H
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Spectral Response:	$S_s = 0.204$ , $S_1 = 0.054$
Site Class:	D - Stiff Soil
Live Loads: *	$L_m = 500$ lbs

\* Based on experience it has been determined that the maintenance load cases do not control over rigging 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 does not meet the requirements per the applicable codes listed above. The mount can support the equipment as described in this report after the below listed modifications are completed:

- Install modification per ATC Drawing #13242626\_C9\_04

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

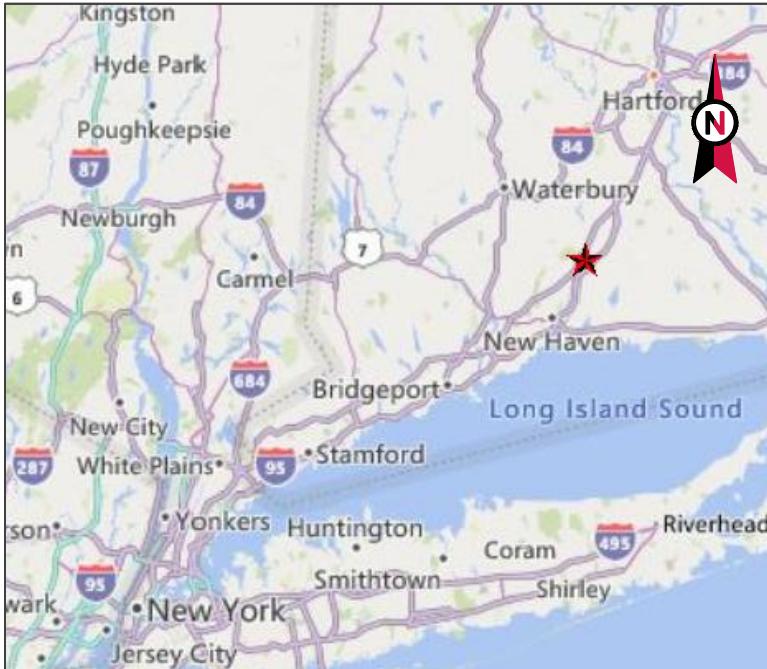
COA: PEC.0001553



AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser

SUPPLEMENTAL

SHEET NUMBER: R-602 REVISION: -



# AMERICAN TOWER®

SITE NAME: NORTH HAVEN CT 1

SITE NUMBER: 302482

ATC PROJECT NUMBER: 13242626 C9 04

SITE ADDRESS: 15 DEWIGHT STREET  
NORTH HAVEN, CT 06473

## VICINITY MAP



# LOCATION MAP

**BIRD WATCH SITE:**  
PLEASE CONTACT BIRD.WATCH@AMERICANTOWER.COM OR  
AMERICAN TOWER NOC AT 877-518-6937 FOR ASSISTANCE

# MOUNT REINFORCEMENT DRAWINGS PREPARED FOR AT&T MOBILITY

PROJECT TEAM	PROJECT DESCRIPTION	SHEET	SHEET TITLE	REV.
<b>TOWER OWNER</b>  AMERICAN TOWER  10 PRESIDENTIAL WAY  WOBURN, MA 01801	THE MODIFICATIONS PRESENTED ON THESE DRAWINGS ARE BASED ON THE RECOMMENDATIONS OUTLINED IN THE MOUNT ANALYSIS COMPLETED UNDER ENGINEERING PROJECT NUMBER 13242626_C8_01 DATED 06/18/20. SATISFACTORY COMPLETION OF THE WORK INDICATED ON THESE DRAWINGS WILL RESULT IN THE MOUNT MEETING THE REQUIREMENTS OF THE SPECIFICATIONS UNDER WHICH THE MOUNT ANALYSIS WAS COMPLETED.	G-002	IBC GENERAL NOTES AND MOUNT MODIFICATION INSPECTION	0
<b>ENGINEERED BY</b>  ATC TOWER SERVICES  3500 REGENCY PARKWAY, SUITE 100  CARY, NC 27518		S-101	MODIFICATION PROFILE	0
<b>CARRIER INFORMATION</b>  CARRIER: AT&T MOBILITY  CARRIER SITE NAME: MRCTB046848  CARRIER SITE NUMBER: CTL02012		R-601	SUPPLEMENTAL	0
 <b>811</b> <small>Know what's below. Call before you dig.</small>	<b>COMPLIANCE CODE</b>  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. ANSI/TIA/EIA: STRUCTURAL STANDARDS (222-H EDITION) 2. INTERNATIONAL BUILDING CODE (2015 IBC) 3. CONNECTICUT STATE BUILDING CODE (2018)			
	<b>PROJECT LOCATION</b>  <b>GEOGRAPHIC COORDINATES</b>  LATITUDE: 41.42080556 LONGITUDE: -72.8488			AS-BUILT CDs Ramapo Communication Corp 2/5/2021 Matthew Schlosser <small>Matthew Schlosser</small>



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

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION SHEETS, INSTRUMENTS OR 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
0	FIRST ISSUE	BJK	07/06/20

ATC SITE NUMBER:

ATC SITE NAME:  
**NORTH HAVEN CT 1**

## CONNECTICUT

SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN CT 06473



DRAWN BY:	BJK
APPROVED BY:	TCR
DATE DRAWN:	07/06/20
ATC JOB NO:	13242626_C9_04

COVER

SHEET NUMBER:	REVISION
<b>G-001</b>	<b>0</b>

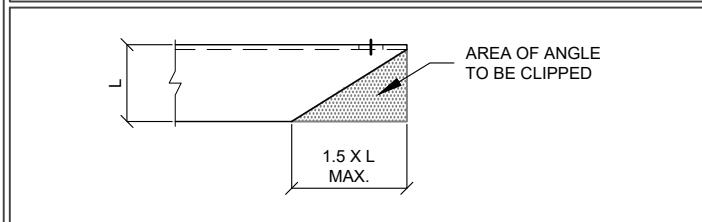
## GENERAL

- ALL WORK TO BE COMPLETED PER APPLICABLE LOCAL, STATE, FEDERAL CODES AND ORDINANCES AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS FOR WIRELESS TOWER SITES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND ABIDING BY ALL REQUIRED PERMITS.
- ALL WORK INDICATED ON THESE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER AND FOUNDATION CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY INSTALLATION INTERFERENCES. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS. DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL FOLLOW SIMILAR DETAILS FOR THIS JOB.
- ANY SUBSTITUTIONS SHALL CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS, AND SHOULD BE SIMILAR TO THOSE SHOWN. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- ANY MANUFACTURED DESIGN ELEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS AND SHOULD BE SIMILAR TO THOSE SHOWN. THESE DESIGN ELEMENTS MUST BE STAMPED BY AN ENGINEER PROFESSIONALLY REGISTERED IN THE STATE OF THE PROJECT, AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND OSHA SAFETY REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS SHORING, BRACING, TEMPORARY SUPPORTS, ETC. NECESSARY, PER ANSI/TIA-322 AND ANSI/ASSE A10.48, TO PROVIDE A COMPLETE AND STABLE STRUCTURE AS SHOWN ON THESE DRAWINGS.
- CONTRACTOR'S PROPOSED INSTALLATION SHALL NOT INTERFERE, NOR DENY ACCESS TO, ANY EXISTING OPERATIONAL AND SAFETY EQUIPMENT.

## STRUCTURAL STEEL

- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
- ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
- ALL U-BOLTS SHALL BE ASTM A36 OR EQUIVALENT, WITH LOCKING DEVICE, UNLESS NOTED OTHERWISE.
- FIELD CUT EDGES, EXCEPT DRILLED HOLES, SHALL BE GROUND SMOOTH.
- ALL FIELD CUT SURFACES, FIELD DRILLED HOLES & GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
- ALL STRUCTURAL STEEL EMBEDDED IN THE CONCRETE SHALL BE APPLIED WITH (2) BRUSHED COATS OF POLYGUARD CA-14 MASTIC OR EQUIVALENT. REFER TO THE MANUFACTURER SPECIFICATIONS FOR SURFACE PREPARATION AND APPLICATION. APPLICATION OF POLYGUARD 400 WRAP IS NOT ESSENTIAL.
- CONTRACTOR SHALL PERFORM WORK ON ONLY ONE (1) TOWER FACE AND REPLACE/REINFORCE ONE (1) BOLT/MEMBER AT A TIME.
- ALL FIELD DRILLED HOLES TO BE USED FOR FIELD BOLTING INSTALLATION SHALL BE STANDARD HOLES, AS DEFINED BY AISC, UNLESS NOTED OTHERWISE.

## MAXIMUM ALLOWABLE ANGLE CLIP



## PAINT

- AS REQUIRED, CLEAN AND PAINT PROPOSED STEEL ACCORDING TO FAA ADVISORY CIRCULAR AC 70/7460-1L.

## WELDING

- ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
- ALL WELDS SHALL BE INSPECTED VISUALLY. IF DIRECTED BY ENGINEER OF RECORD, 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE (100% IF REJECTABLE DEFECTS ARE FOUND) TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
- INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER AND/OR BASE METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- IN CASES WHERE BASE METAL GRADE IS UNKNOWN, ALL WELDING ON LATTICE TOWERS SHALL BE DONE WITH E70XX ELECTRODES; ALL WELDING ON POLE STRUCTURES SHALL BE DONE WITH E80XX ELECTRODES, UNLESS NOTED OTHERWISE.
- PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.

## BOLT TIGHTENING PROCEDURE

- STRUCTURAL CONNECTIONS TO BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC SPECIFICATIONS.
- FLANGE BOLTS SHALL BE INSTALLED AND TIGHTENED USING DIRECT TENSION INDICATING (DTI) SQUIRTER WASHERS. DTI SQUIRTER WASHERS ARE TO BE INSTALLED AND ORIENTED / TIGHTENED PER MANUFACTURER SPECIFICATIONS TO ACHIEVE DESIRED LEVEL OF BOLT PRE-TENSION.
- IN LIEU OF USING DTI SQUIRTER WASHERS, FLANGE BOLTS MAY BE TIGHTENED USING AISC / RCSC "TURN-OF-THE-NUT" METHOD, PENDING APPROVAL BY THE ENGINEER OF RECORD (EOR). TIGHTEN FLANGE BOLTS USING THE CHART BELOW:

### BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS

1/2"	BOLTS UP TO AND INCLUDING 2.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
5/8"	BOLTS UP TO AND INCLUDING 2.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
3/4"	BOLTS UP TO AND INCLUDING 3.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
7/8"	BOLTS UP TO AND INCLUDING 3.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1"	BOLTS UP TO AND INCLUDING 4.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS UP TO AND INCLUDING 4.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS UP TO AND INCLUDING 5.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS UP TO AND INCLUDING 5.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS UP TO AND INCLUDING 6.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT

### BOLT LENGTHS OVER FOUR DIAMETERS BUT NOT EXCEEDING EIGHT DIAMETERS

1/2"	BOLTS 2.25 TO 4.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
5/8"	BOLTS 2.75 TO 5.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
3/4"	BOLTS 3.25 TO 6.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
7/8"	BOLTS 3.75 TO 7.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1"	BOLTS 4.25 TO 8.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS 4.75 TO 9.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS 5.25 TO 10.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS 5.75 TO 11.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS 6.25 TO 12.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT

## MODIFICATION INSPECTION NOTES

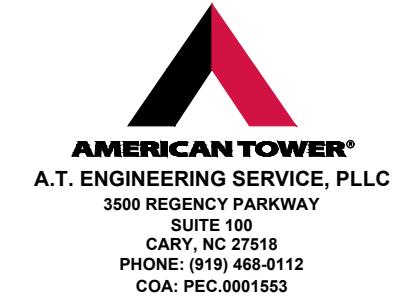
THE MOUNT MODIFICATION INSPECTION (MMI) PROCEDURE IS INTENDED TO CONFIRM THAT CONSTRUCTION AND INSTALLATION MEETS ENGINEERING DESIGN, ATC PROCEDURES AND ATC STANDARD SPECIFICATIONS FOR WIRELESS TOWER SITES.

TO ENSURE THAT THE REQUIREMENTS OF THE MMI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR SUBMIT ALL REQUIRED PHOTOGRAPHS AND DRAWINGS TO AMERICAN TOWER CORPORATION (ATC).

## BOLT TIGHTENING PROCEDURE (CONTINUED)

- SPLICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2.1 OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS", LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:  
FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8.2.1 THROUGH 8.2.4.  
8.2.1 TURN-OF-NUT PRETENSIONING  
BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1, UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPAKTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY.
- ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE SPECIFICATION.

ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS. BOLTS SHALL BE PLACED IN ALL HOLES WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY. COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.



THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OR 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
0	FIRST ISSUE	BJK	07/06/20
1			
2			
3			
4			

ATC SITE NUMBER:  
302482

ATC SITE NAME:  
NORTH HAVEN CT 1  
CONNECTICUT  
SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN, CT 06473



## GENERAL CONTRACTOR

THE GENERAL CONTRACTOR IS REQUIRED TO:

- REVIEW THE REQUIREMENTS OF THE MMI CHECKLIST.
- UNDERSTAND ALL INSPECTION REQUIREMENTS.

THE GENERAL CONTRACTOR SHALL PERFORM AND RECORD THE INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MMI CHECKLIST.

## MOUNT MODIFICATION INSPECTION CHECKLIST

INSPECTION DOCUMENT	DESCRIPTION	INSPECTION TESTING REQUIRED	RESPONSIBILITY
ON-SITE COLD GALVANIZING VERIFICATION	PHOTOGRAPHIC EVIDENCE OF COLD GALVANIZATION TYPE AND APPLICATION IN ALL APPLICABLE LOCATIONS TO BE INCLUDED WITHIN THE MMI REPORT	✓	GC
GC AS-BUILT DRAWINGS WITH CONSTRUCTION RED-LINES	"AS-BUILT" DRAWINGS INDICATING ANY APPROVED CHANGES TO ENGINEERED PLANS TO MMI FOR APPROVAL/REVIEW AND INCLUSION IN MMI REPORT	✓	GC
PHOTOGRAPHS	PHOTOGRAPHIC EVIDENCE OF MOUNT MODIFICATION INSPECTION, ON SITE REMEDIATION, AND ITEMS FAILING INSPECTION & REQUIRING FOLLOW UP TO BE INCLUDED WITHIN THE MMI REPORT. COMPLETE PHOTO LOG IS TO BE SUBMITTED WITHIN MMI REPORT.		

AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser

DRAWN BY:	BJK
APPROVED BY:	TCR
DATE DRAWN:	07/06/20
ATC JOB NO:	13242626_C9_04

IBC GENERAL NOTES  
AND MOUNT MODIFICATION  
INSPECTION

SHEET NUMBER:	REVISION:
G-002	0



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

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OR 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
0	FIRST ISSUE	BJK	07/06/20
1			
2			
3			
4			
5			

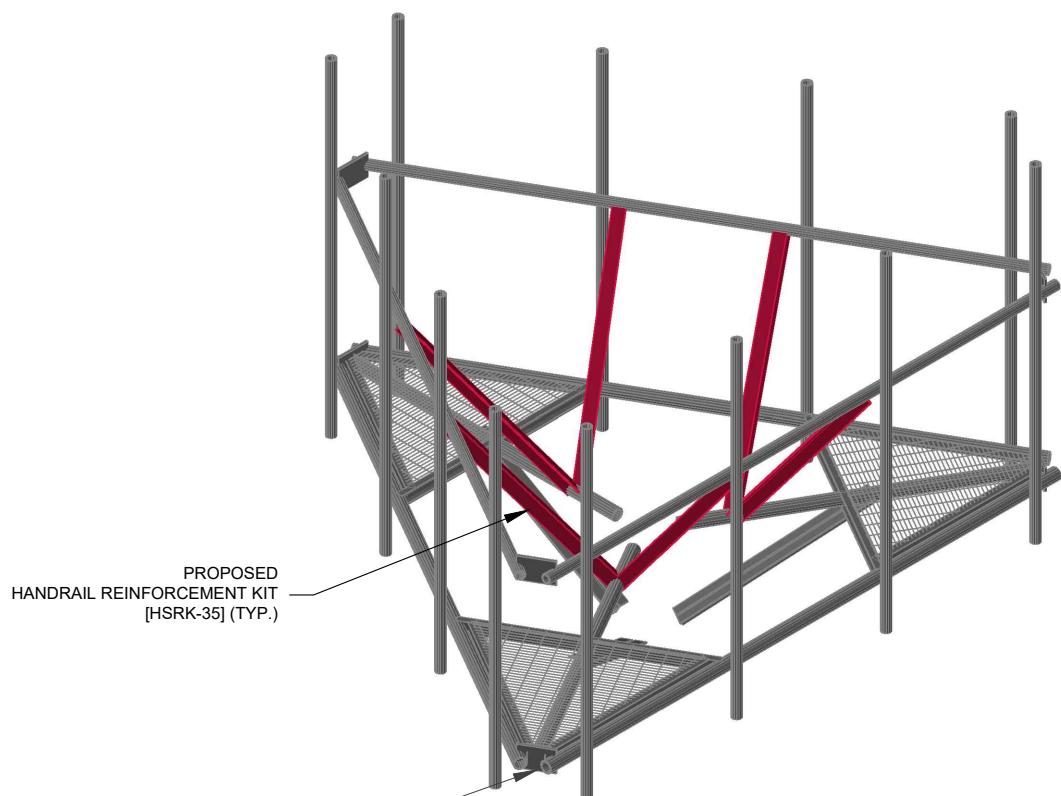
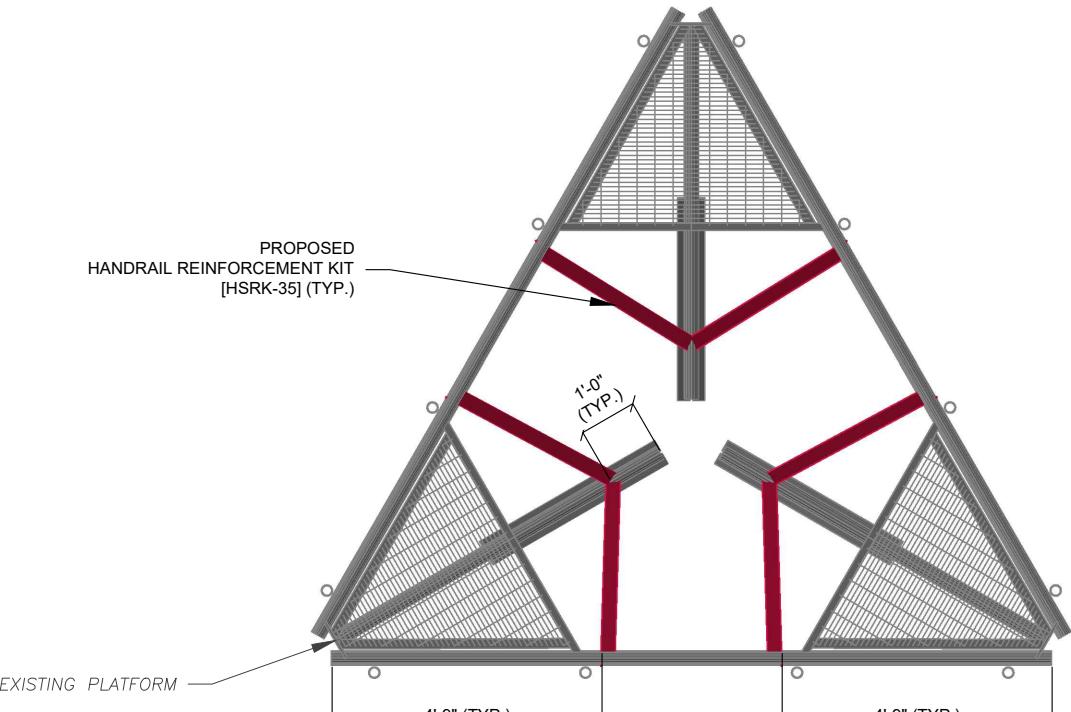
ATC SITE NUMBER:  
302482

ATC SITE NAME:  
NORTH HAVEN CT 1  
CONNECTICUT  
SITE ADDRESS:  
15 DEWIGHT STREET  
NORTH HAVEN, CT 06473



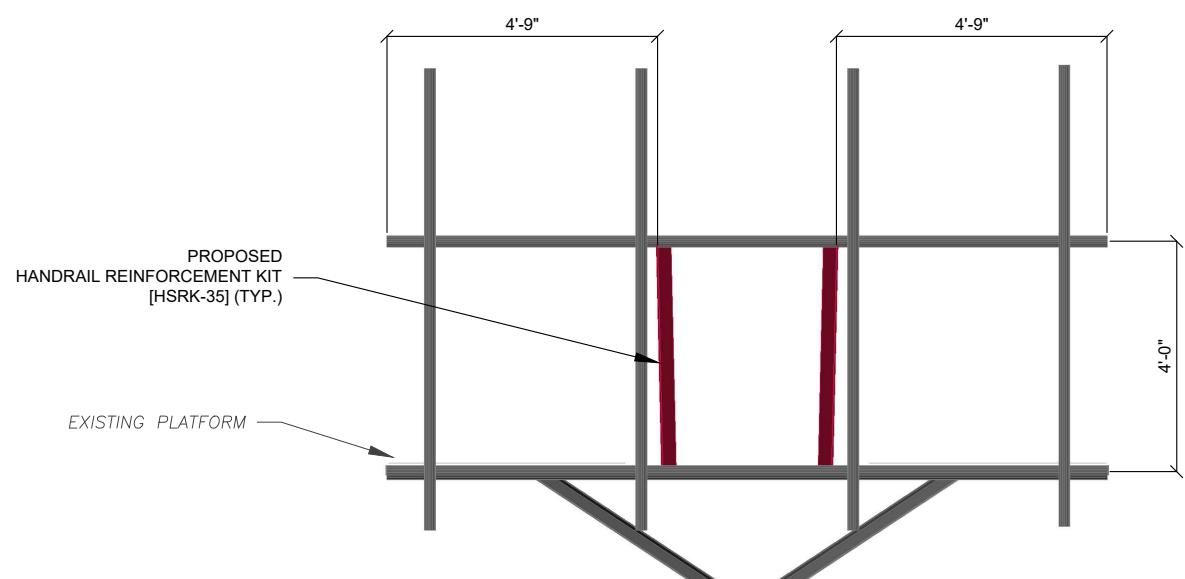
DRAWN BY:	BJK
APPROVED BY:	TCR
DATE DRAWN:	07/06/20
ATC JOB NO:	13242626_C9_04

#### MODIFICATION PROFILE

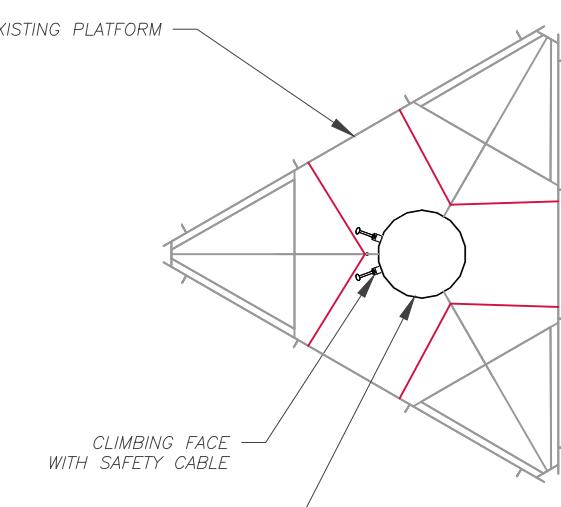


MOUNT MODIFICATION - TOP VIEW

MOUNT MODIFICATION - ISOMETRIC VIEW



MOUNT MODIFICATION - FRONT VIEW



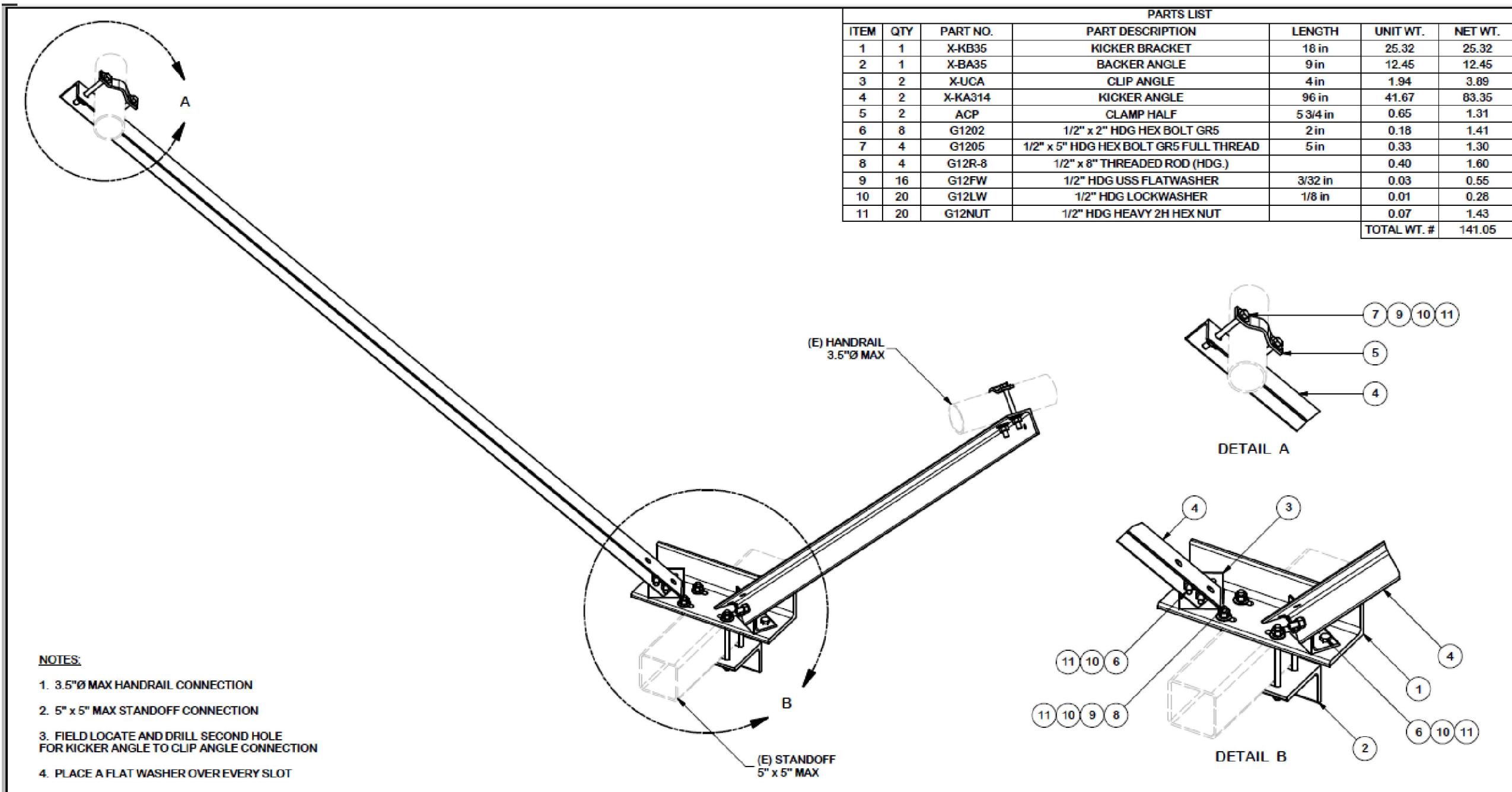
SAFETY CLIMB LOCATION



NOTE:  
CONTRACTOR TO INSTALL MOUNT MODIFICATIONS PER THE MANUFACTURER'S SPECIFICATION. MODIFICATIONS SHALL NOT OBSTRUCT, INTERFERE, OR BLOCK EXISTING SAFETY CLIMB SYSTEM. IF ANY OF THESE OCCURS DURING INSTALLATION CONTACT THE AMERICAN TOWER PMI INBOX  
PMI@AMERICANTOWER.COM

AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser

SHEET NUMBER: **S-101** REVISION: **0**



TOLERANCE NOTES		DESCRIPTION				SITE PRO 1		Locations:	
<p>TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  SAWED, SHEARED AND GAS CUT EDGES (<math>\pm 0.030"</math>)  DRILLED AND GAS CUT HOLES (<math>\pm 0.030"</math>) - NO CONING OF HOLES  LASER CUT EDGES AND HOLES (<math>\pm 0.010"</math>) - NO CONING OF HOLES  BENDS ARE <math>\pm 1/2</math> DEGREE  ALL OTHER MACHINING (<math>\pm 0.030"</math>)  ALL OTHER ASSEMBLY (<math>\pm 0.060"</math>)</p>		HANDRAIL TO STANOFF REINFORCEMENT KIT (3" - 5" STANOFF)				Engineering Support Team: 1-888-753-7446	New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX		
PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.		CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.				
		5822	CSL3 6/29/2017	3RD PARTY	HSRK-35	1 OF 2			

AS-BUILT CDs  
Ramapo Communicaion Corp  
2/5/2021  
Matthew Schlosser  
Matthew Schlosser

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS.

SHEET NUMBER: R-601

REVISION: 0

SUPPLEMENTAL