

**From:** Daniel Hatab <[daniel.hatab@ramapocom.com](mailto:daniel.hatab@ramapocom.com)>  
**Sent:** Thursday, August 26, 2021 2:40 PM  
**To:** CSC-DL Siting Council <[Siting.Council@ct.gov](mailto:Siting.Council@ct.gov)>  
**Subject:** EM-CING-015-200807 (AT&T Site CTL02252)

Good Morning,

The site below has been 04/21, CCA letter attached

AT&T Site: CTL02252  
Address: 1069 CONNECTICUT AVENUE, BRIDGEPORT CT 06607

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: August 23, 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

**RE:** **EM-CING-015-200807**  
**Subject:** **Special Inspection Letter – Final Certification**  
**ATC Site:** **Bridgeport CT 2 – 302469**  
  
**AT&T site:** **CTL02252 – FA:10084453**  
  
**Site Address:** **1069 Connecticut Avenue  
Bridgeport, Ct. 06607-1226**  
  
**AT&T Scope of work:** **5C,6C,5G NR – Antenna Amendment Drawings**  
  
**SMW Engineering Project:** **20-10207.1**

Dear Sir or Madam,

On April 20, 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 existing platform antenna mount
- Removal of (3) existing Powerwave 7750 antennas – (1) per sector
- Removal of (6) existing Powerwave LGP 21901 Diplexers – (2) per sector
- Removal of (6) existing Powerwave LGP 21401 TMA's - (2) per sector
- Removal of (3) existing RRUS-11 B12 - (1) per sector
- Removal of (6) existing DBC0062F3V52-1 Diplexers - (2) per sector
- Removal of (6) existing DBC0061F1V51-2 Diplexers - (2) per sector

- Installation of (1) new Site Pro 1 RMLP-4120-H10 Low profile platform w/handrail kit
- Relocate (3) existing CCI-OPA-65R-LCUU-H4 antennas – (1) per sector
- Installation of (3) new CCI OPA65R-BU4DA antennas – (1) per sector
- Installation of (3) new CCI DMP65R-BU4DA antennas – (1) per sector
- Installation of (3) RRUS E2-B29 – (1) per sector
- Installation of (3) RRUS 4478 B14 - (1) per sector
- Installation of (3) RRUS 4449 B5/B12 - (1) per sector
- Installation of (2) DC6-48-60-18-8C squid

**Discrepancies from Permitted Drawings:**

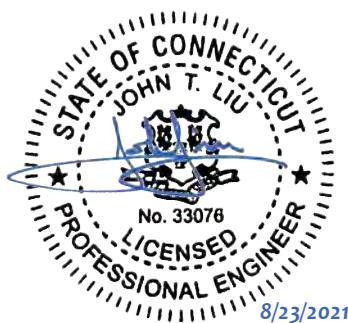
- None

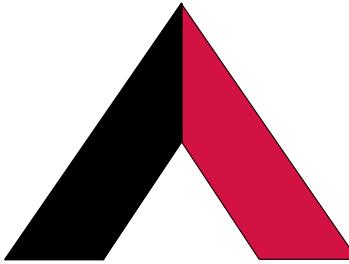
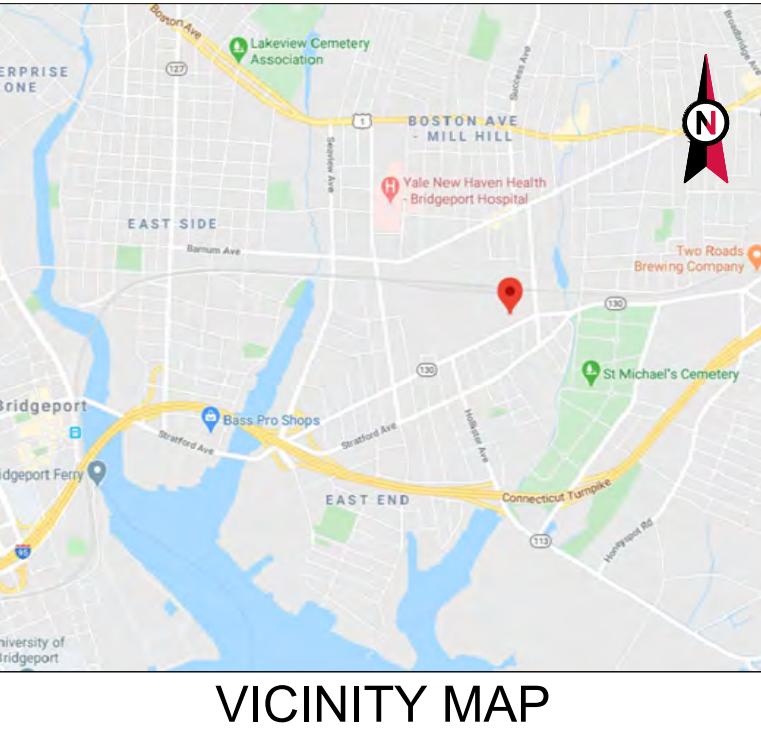
To the best of our knowledge, belief, and professional judgment, the connections of the installed equipment were performed **in substantial compliance** with the approved construction drawings prepared by SMW Engineering Group, Inc. dated 11-06-20 Rev.1.

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





**AMERICAN TOWER®**

ATC SITE NAME: BRIDGEPORT CT 2

ATC SITE NUMBER: 302469

AT&T PACE NUMBER: MRCTB045164/MRCTB045264/  
MRCTB045348/MRCTB045267

AT&T SITE ID: CTL02252

AT&T FA CODE: 10084453

PROJECTS: 5C, 6C, 5G NR

SITE ADDRESS: 1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06607-1226



**AT&T MOBILITY  
ANTENNA AMENDMENT DRAWINGS**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX					
<p>ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <p>1. INTERNATIONAL BUILDING CODE (IBC) 2. NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES</p>	<p><u>SITE ADDRESS:</u> 1069 CONNECTICUT AVENUE BRIDGEPORT, CT 06607-1226 <u>COUNTY:</u> FAIRFIELD <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.18361667 LONGITUDE: -73.15838333 GROUND ELEVATION: 32' AMSL</p>	<p>THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK:</u> REMOVE (3) ANTENNAS, (3) RRH'S, (9) DIPLEXERS, AND (6) TMA'S. INSTALL (6) ANTENNAS, (3) RRUS-E2 B29, (3) RRUS-4478 B14, (3) RRUS-4449 B5/B12, (2) SQUIDS, (4) 0.78" 8AWG6 DC CABLES, (2) 0.39" FIBER CABLES, AND NEW MOUNT EXISTING (6) ANTENNAS, (6) RRH'S, (2) SQUIDS, (4) 0.78" 8AWG6 DC CABLES AND (2) 0.39" FIBER CABLES TO REMAIN. <u>GROUND WORK:</u> INSTALL (1) 6630 AND (1) IDLE CABLE.</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-402</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>EXISTING RF SCHEDULE AND ANTENNA INSTALLATION</p> <p>FINAL 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>DATE:</p> <p>11/06/20</p>	<p>BY:</p> <p>ZDS</p>	
UTILITY COMPANIES	PROJECT TEAM	PROJECT NOTES						
<p>POWER COMPANY: UTILITY COMPANY DIRECT PHONE: NOT PROVIDED</p> <p>TELEPHONE COMPANY: NOT PROVIDED PHONE: NOT PROVIDED</p>	<p><u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBBURN, MA 01801 <u>ENGINEER:</u> SMW ENGINEERING GROUP, INC 158 BUSINESS CENTER DRIVE BIRMINGHAM, AL 35244 JOB# 20-10207</p> <p><u>PROPERTY OWNER:</u> CITY OF BRIDGEPORT 1069 CONNECTICUT AVE. BRIDGEPORT, CT 06607</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><b>PROJECT LOCATION DIRECTIONS</b></p> <p>FROM HARTFORD, CT TAKE I-91 SOUTH TO I-95 SOUTH TO EXIT 29. TURN LEFT OFF EXIT AND AT LIGHT TAKE A LEFT U-TURN ONTO STRATFORD AVENUE. FOLLOW STRATFORD TO FREEMAN STREET AND TURN LEFT. GO TO STOP SIGN AND CROSS OVER CONNECTICUT AVENUE INTO PARKING LOT. TOWER IS AT THE LEFT HAND END OF THE PARKING LOT.</p>						

**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
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20
△			
△			
△			
△			

ATC SITE NUMBER:  
**302469**

ATC SITE NAME:  
**BRIDGEPORT CT 2**

SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06607-1226

SEAL:

DATE DRAWN: 05/08/20  
ATC JOB NO: 302469  
CUSTOMER ID: 13202054  
CUSTOMER #: 20-10207

**COVER SHEET**

SHEET NUMBER:	REVISION:
<b>G-001</b>	<b>1</b>

## GENERAL CONSTRUCTION NOTES:

ALL ITEMS PROVIDED.

- OWNER FURNISHED MATERIALS, AT&T MOBILITY "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
  - BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-Locate ONLY)
  - ACTELCO INTERFACE BOX (PPC)
  - ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-Locate ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
  - TOWERS, MONOPOLES
  - TOWER LIGHTING
  - GENERATORS & LIQUID PROPANE TANK
  - ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
  - ANTENNAS (INSTALLED BY OTHERS)
  - TRANSMISSION LINE
  - TRANSMISSION LINE JUMPERS
  - TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
  - TRANSMISSION LINE GROUND KITS
  - HANGERS
  - HOISTING GRIPS
  - BTS EQUIPMENT
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE 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.
- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS, DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE 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.
- EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T MOBILITY CONSTRUCTION MANAGER.
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE AT&T MOBILITY REP AND ENGINEER OF RECORD IMMEDIATELY.
- CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH AT&T MOBILITY AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH 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.

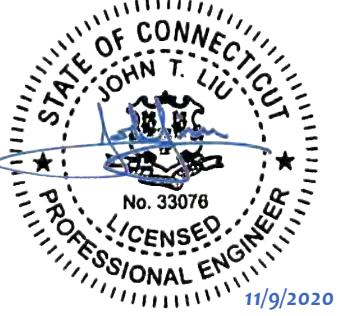
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
- CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
- 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.
- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
- THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY 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 ANOTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
- ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE 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.
- 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.
- AT&T MOBILITY FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T MOBILITY 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.
- 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:

- WORK INCLUDED:
  - 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
  - INSTALL ANTENNA AS INDICATE ON DRAWINGS AND AT&T MOBILITY SPECIFICATIONS.
  - INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
  - INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.
  - 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.
  - 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.
  - ANTENNA AND COAXIAL CABLE GROUNDING:
- ALL EXTERIOR #6 GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE

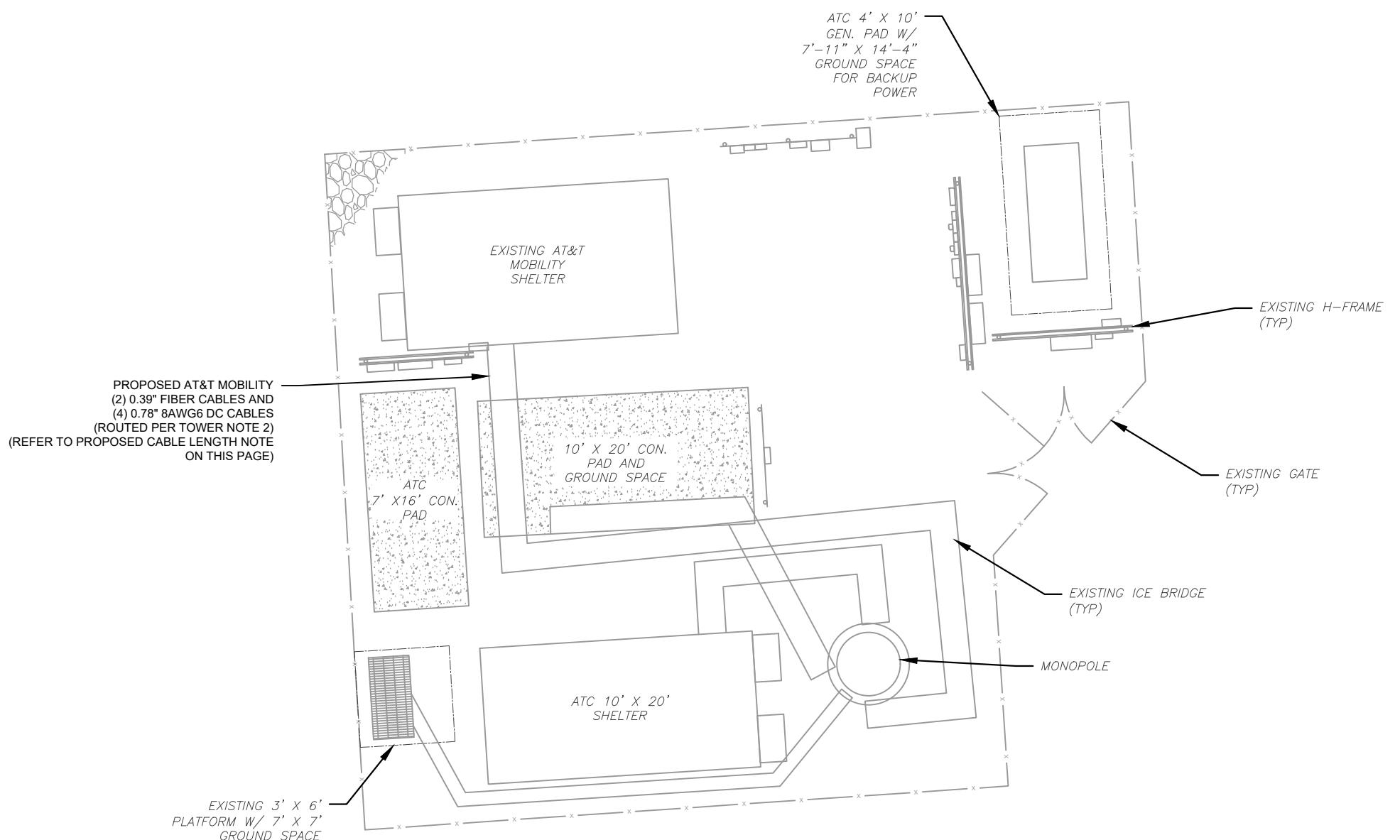
ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE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

 <b>AMERICAN TOWER®</b>	
 <b>SMW</b> <b>ENGINEERING GROUP, INC.</b>	
<b>TOGETHER PLANNING A BETTER TOMORROW</b>	
158 BUSINESS CENTER DRIVE BIRMINGHAM, AL 35244 TEL: 205-252-6985 FAX: 205-320-1504	
REV. <input type="checkbox"/> FOR CONSTRUCTION ZDS 05/26/20 <input type="checkbox"/> FOR CONSTRUCTION ZDS 11/06/20 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
ATC SITE NUMBER: <b>302469</b>	
ATC SITE NAME: <b>BRIDGEPORT CT 2</b>	
SITE ADDRESS: 1069 CONNECTICUT AVENUE BRIDGEPORT, CT 06607-1226	
SEAL: 	
DATE DRAWN: 05/08/20 ATC JOB NO: 302469 CUSTOMER ID: 13202054 CUSTOMER #: 20-10207	
<b>GENERAL NOTES</b>	
SHEET NUMBER: <b>G-002</b> REVISION: <b>1</b>	

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.

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



1 DETAILED SITE PLAN

0 10' 20'  
SCALE: 1"=10' (11X17)  
1"=5' (22X34)

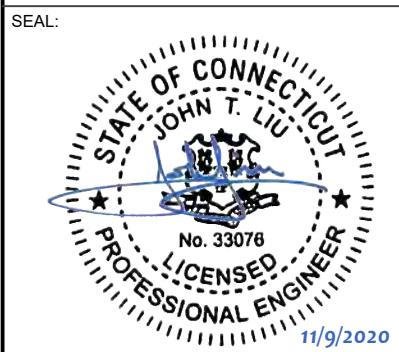


REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20
△			
△			
△			

ATC SITE NUMBER:  
**302469**

ATC SITE NAME:  
**BRIDGEPORT CT 2**

SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06407-1226



DATE DRAWN:	05/08/20
ATC JOB NO:	302469
CUSTOMER ID:	13202054
CUSTOMER #:	20-10207

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

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

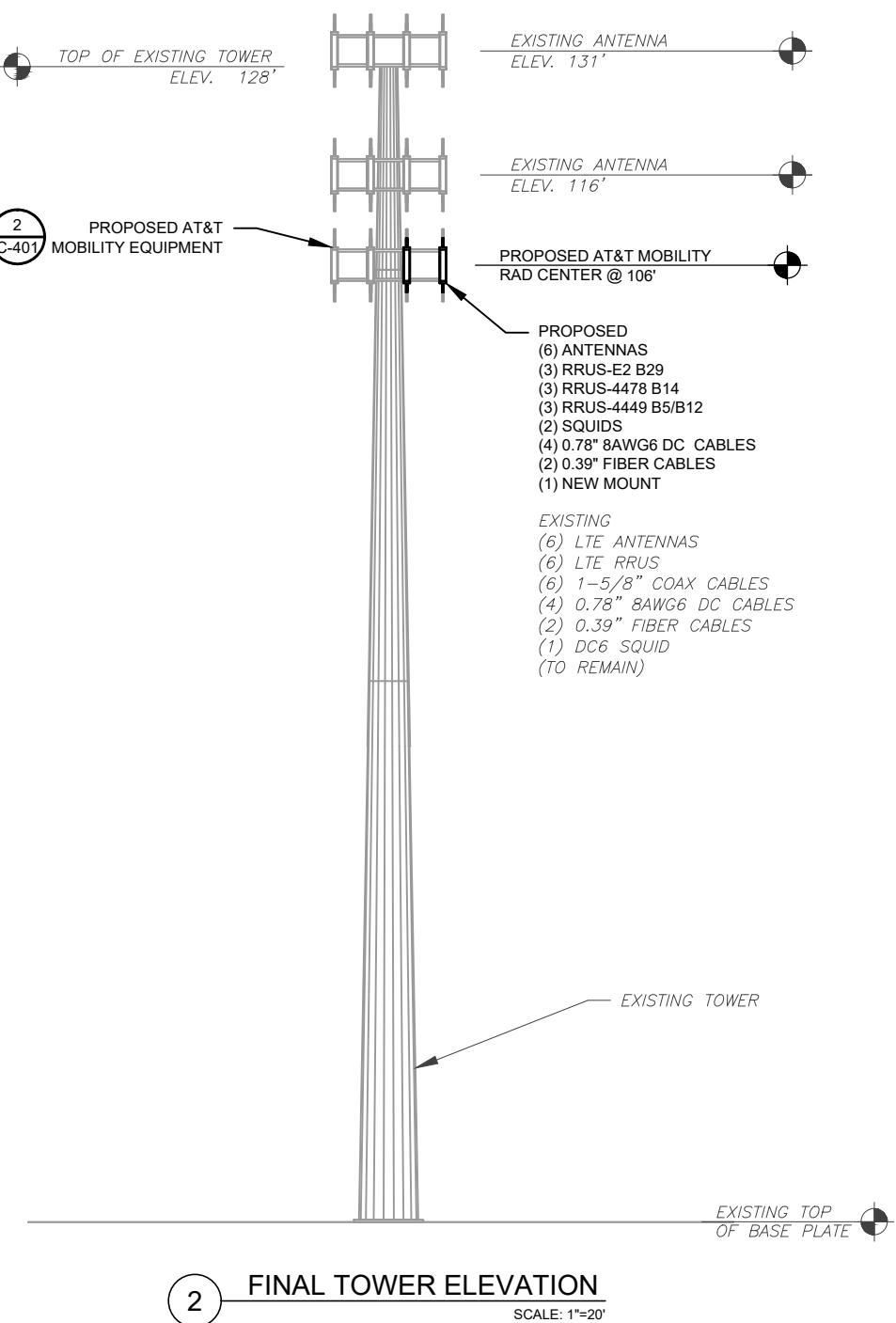
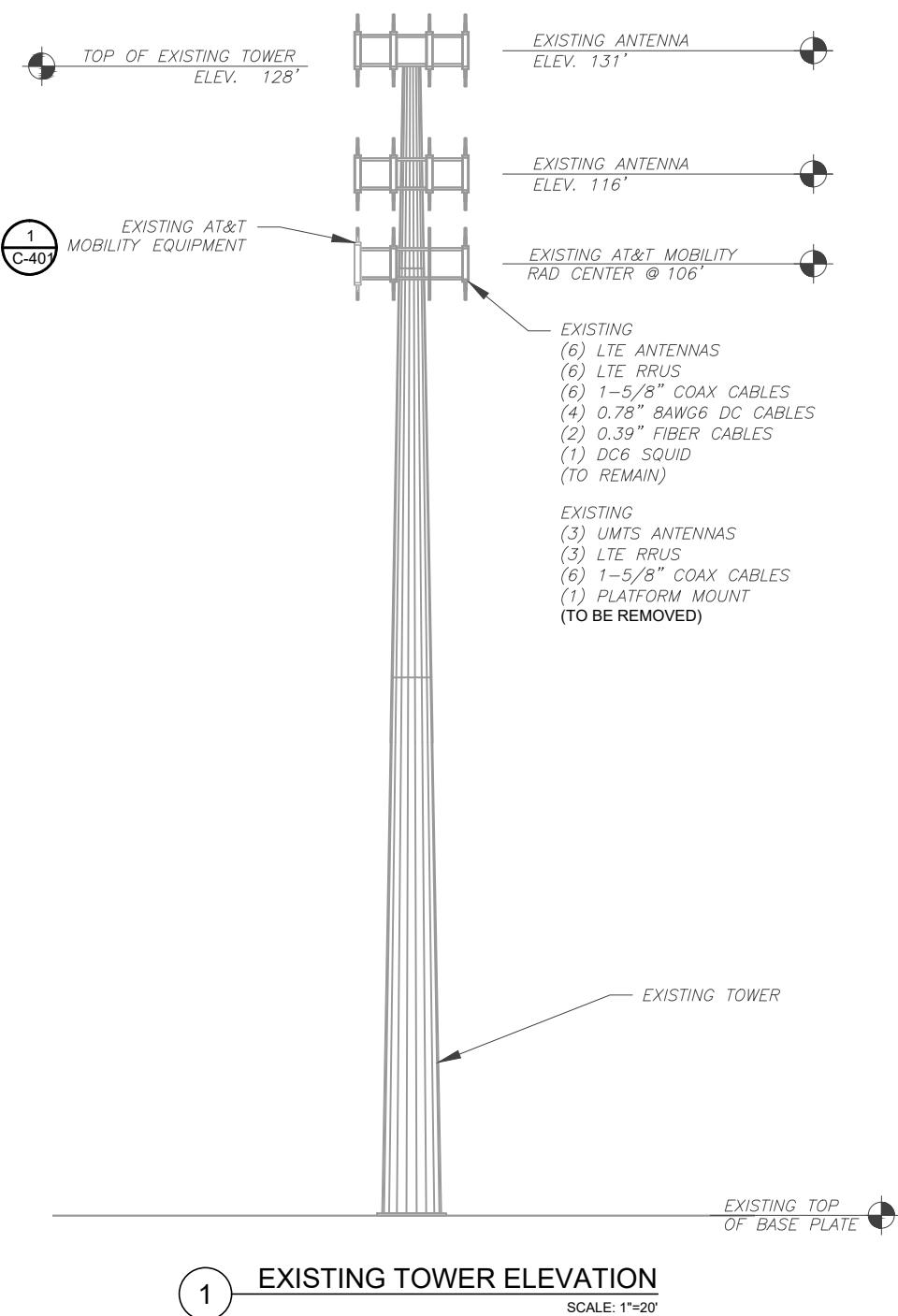
SHEET NUMBER:	REVISION:
<b>C-101</b>	<b>1</b>

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

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

**TOWER NOTE:**

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE AMERICAN TOWER CONSTRUCTION MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTEANCES, 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 MONPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONPOLE, 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.
3. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)



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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20
△			
△			
△			

ATC SITE NUMBER:  
**302469**

ATC SITE NAME:  
**BRIDGEPORT CT 2**

SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06407-1226

SEAL:

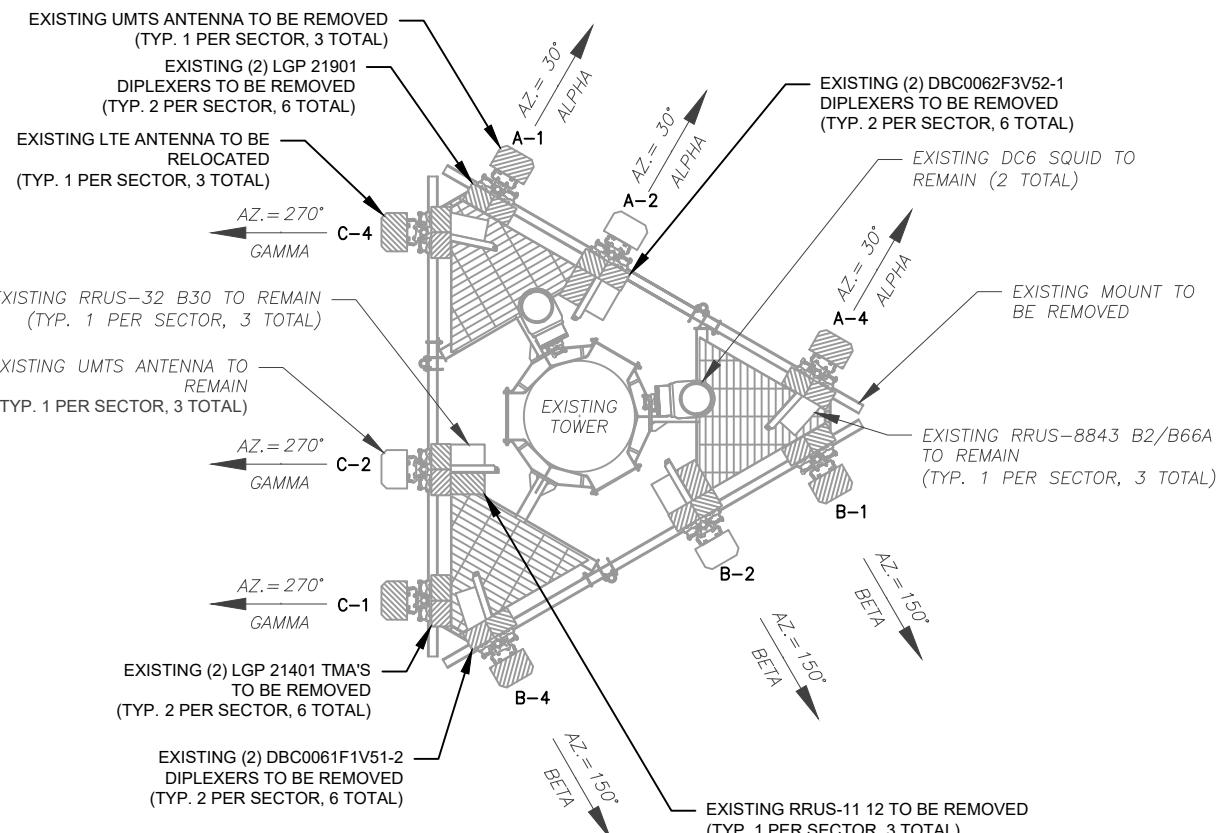


DATE DRAWN:	05/08/20
ATC JOB NO:	302469
CUSTOMER ID:	13202054
CUSTOMER #:	20-10207

**TOWER ELEVATION**

SHEET NUMBER:	REVISION:
<b>C-201</b>	<b>1</b>

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



1 CURRENT ANTENNA PLAN

1" = 5'-0"

NOTES

- BASED ON APPROVED ATC APPLICATION 302469, DATED 04/16/20. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
- ATC HAS NOT YET VERIFIED ANY EXISTING ANTENNA CONFIG OR MOUNT CONFIG. CONTRACTOR TO VERIFY MOUNT CONFIG HAS SUFFICIENT SPACE FOR PROPOSED LESSEE EQUIPMENT (EQUIP) (I.E. CLEARANCES, MOUNT PIPE, SUFFICIENT LENGTH, ETC.) ATC DID NOT ANALYZE ANTENNA MOUNT TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR ANY LESSEE LOADING.
- ALL PROPOSED EQUIP INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH ATC'S CM.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDIE TOWER CLIMBING PEGS.
- POSITIONS START WITH FIRST PIPE ON THE LEFT SIDE (AS VIEWED FROM BEHIND THE MOUNT).

FINAL ANTENNA SCHEDULE							CABLE LENGTHS FOR JUMPERS		EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY										
LOCATION			ANTENNA SUMMARY			NON ANTENNA SUMMARY	MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS									
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	RRU TO ANTENNA: 10'	RRU	RMN	(6) 1-5/8" COAX	(2) 0.78" 0.39"	RMN								
ALPHA	106'	30°	A1	POWERWAVE 7750	UMTS	RMV	POWERWAVE LGP 21901 DIPLEXER	RMV	FIBER DISTRIBUTION/SQUID TO RRU: 15' RRU TO ANTENNA: 10'	DC6-48-60-18-8F	RMN	(6) 1-5/8" COAX (4) 0.78" (2) 0.39"	RMN								
			A2	CCI OPA-65R-LCUU-H4	LTE		RRUS-11 B12	RMV													
			A3	—	—		RRUS-32 B30	RMN													
			A4	CCI OPA-65R-LCUU-H4	LTE	REL	DBC006F3V52-1 DIPLEXER	RMV													
	106'	150°	B1	POWERWAVE 7750	UMTS		RRUS-8843 B2/B66A	RMN													
			B2	CCI OPA-65R-LCUU-H4	LTE		DBC006F1V51-2 DIPLEXER	RMV													
			B3	—	—		POWERWAVE LGP 21901 DIPLEXER	RMV													
			B4	CCI OPA-65R-LCUU-H4	LTE		(2) POWERWAVE LGP 21401 TMA	RMV													
BETA	106'	150°	C1	POWERWAVE 7750	UMTS	RMV	RRUS-11 B12	RMV													
			C2	CCI OPA-65R-LCUU-H4	LTE		RRUS-32 B30	RMN													
			C3	—	—		DBC006F3V52-1 DIPLEXER	RMV													
			C4	CCI OPA-65R-LCUU-H4	LTE	REL	RRUS-8843 B2/B66A	RMN													
	106'	270°	D1	POWERWAVE 7750	UMTS		DBC006F1V51-2 DIPLEXER	RMV													
			D2	CCI OPA-65R-LCUU-H4	LTE		POWERWAVE LGP 21901 DIPLEXER	RMV													
			D3	—	—		(2) POWERWAVE LGP 21401 TMA	RMV													
			D4	CCI OPA-65R-LCUU-H4	LTE		RRUS-11 B12	RMV													
CABLE LENGTHS FOR JUMPERS																					
STATUS ABBREVIATIONS																					
RMV: TO BE REMOVED																					
RMN: TO REMAIN																					
REL: TO BE RELOCATED																					
DSC: TO BE DISCONNECTED & REMAIN																					
ADD: TO BE ADDED																					

2 EQUIPMENT SCHEDULES



**AMERICAN TOWER®**

**SMW**  
ENGINEERING GROUP, INC.

TOGETHER PLANNING A BETTER TOMORROW

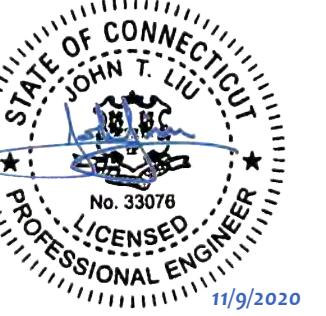
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20
2			
3			
4			
5			

ATC SITE NUMBER: **302469**

ATC SITE NAME: **BRIDGEPORT CT 2**

SITE ADDRESS: 1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06407-1226

SEAL: 

AT&T logo

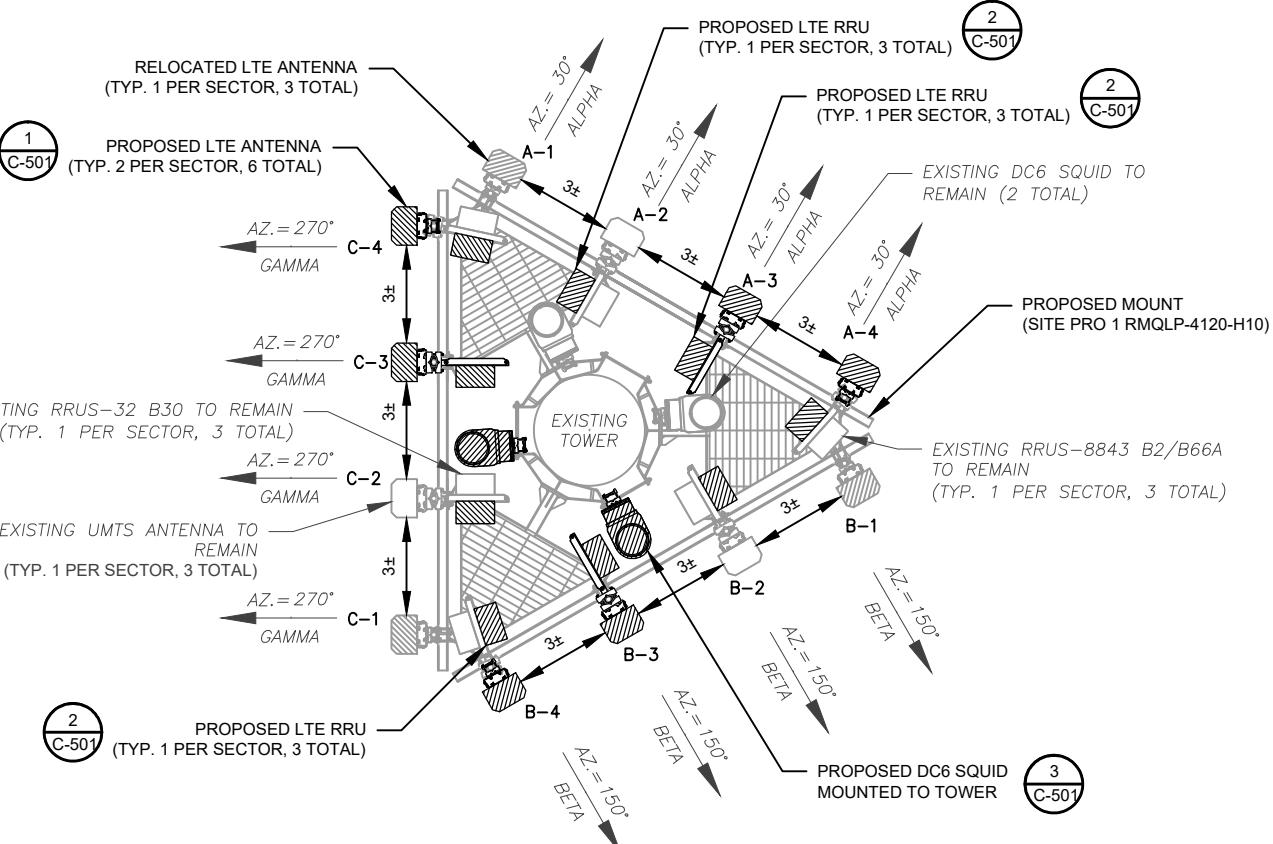
DATE DRAWN: 05/08/20  
ATC JOB NO: 302469  
CUSTOMER ID: 13202054  
CUSTOMER #: 20-10207

**EXISTING RF SCHEDULE AND ANTENNA INSTALLATION**

SHEET NUMBER: **C-401** REVISION: **1**

Copyright © 2020 ATC IP LLC. All Rights Reserved.

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



## 1 FINAL ANTENNA PLAN

1" = 5'-0"

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

NOTES									
1. BASED ON APPROVED ATC APPLICATION 302469, DATED 04/16/20. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.									
2. ATC HAS NOT YET VERIFIED ANY EXISTING ANTENNA CONFIG OR MOUNT CONFIG. CONTRACTOR TO VERIFY MOUNT CONFIG HAS SUFFICIENT SPACE FOR PROPOSED LESSEE EQUIPMENT (EQUIP) (I.E. CLEARANCES, MOUNT PIPE, SUFFICIENT LENGTH, ETC.) ATC DID NOT ANALYZE ANTENNA MOUNT TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR ANY LESSEE LOADING.									
3. ALL PROPOSED EQUIP INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH ATC'S CM.									
4. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.									
5. POSITIONS START WITH FIRST PIPE ON THE LEFT SIDE (AS VIEWED FROM BEHIND THE MOUNT).									

FINAL ANTENNA SCHEDULE						
LOCATION			ANTENNA SUMMARY		NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS
ALPHA	106'	30°	A1	CCI OPA-65R-LCUU-H4	UMTS	REL
			A2	CCI OPA-65R-LCUU-H4	LTE	RMN
			A3	CCI OPA65R-BU4DA	LTE	ADD
			A4	CCI DMP65R-BU4DA	LTE	ADD
BETA	106'	150°	B1	CCI OPA-65R-LCUU-H4	UMTS	REL
			B2	CCI OPA-65R-LCUU-H4	LTE	RMN
			B3	CCI OPA65R-BU4DA	LTE	ADD
			B4	CCI DMP65R-BU4DA	LTE	ADD
GAMMA	106'	270°	C1	CCI OPA-65R-LCUU-H4	UMTS	REL
			C2	CCI OPA-65R-LCUU-H4	LTE	RMN
			C3	CCI OPA65R-BU4DA	LTE	ADD
			C4	CCI DMP65R-BU4DA	LTE	ADD

CABLE LENGTHS FOR JUMPERS  
FIBER DISTRIBUTION/SQUID TO RRU: 15'  
RRU TO ANTENNA: 10'

STATUS ABBREVIATIONS  
RMV: TO BE REMOVED  
RMN: TO REMAIN  
REL: TO BE RELOCATED  
DSC: TO BE DISCONNECTED & REMAIN  
ADD: TO BE ADDED

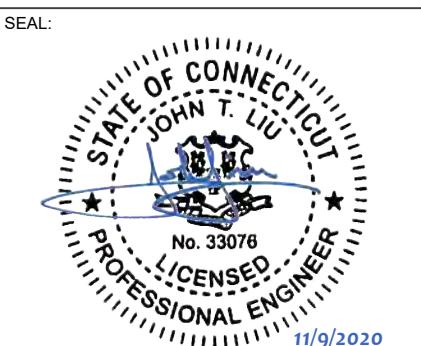
FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
DC6-48-60-18-8F	RMN	(6) 1-5/8" COAX	(4) 0.78"	(2) 0.39"	RMN
DC6-48-60-18-8F	RMN	-	-	-	-
DC6-48-60-18-8C	ADD	-	(2) 0.78" 8AWG6	(1) 0.39"	ADD
DC6-48-60-18-8C	ADD	-	(2) 0.78" 8AWG6	(1) 0.39"	ADD

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20

ATC SITE NUMBER:  
302469

ATC SITE NAME:  
BRIDGEPORT CT 2

SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06607-1226



DATE DRAWN:	05/08/20
ATC JOB NO:	302469
CUSTOMER ID:	13202054
CUSTOMER #:	20-10207

FINAL RF SCHEDULE AND ANTENNA INSTALLATION	
SHEET NUMBER:	REVISION:

C-402

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20
△			
△			
△			

ATC SITE NUMBER:  
**302469**

ATC SITE NAME:  
**BRIDGEPORT CT 2**

SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06607-1226

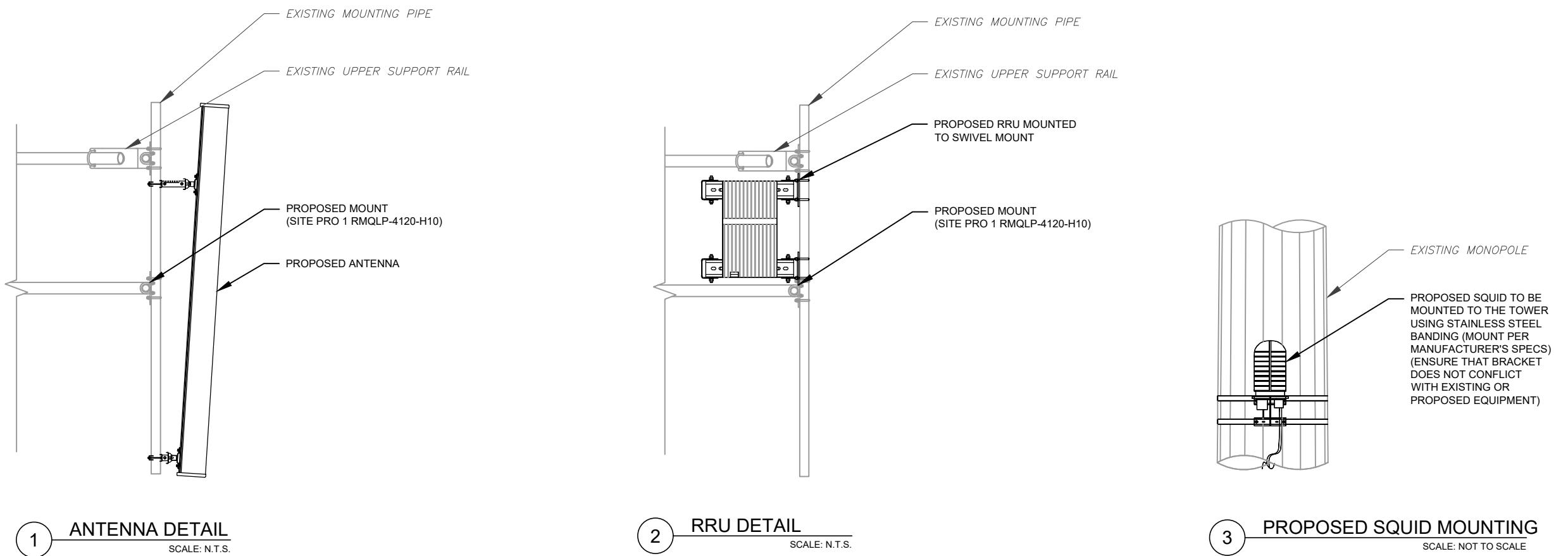
SEAL:

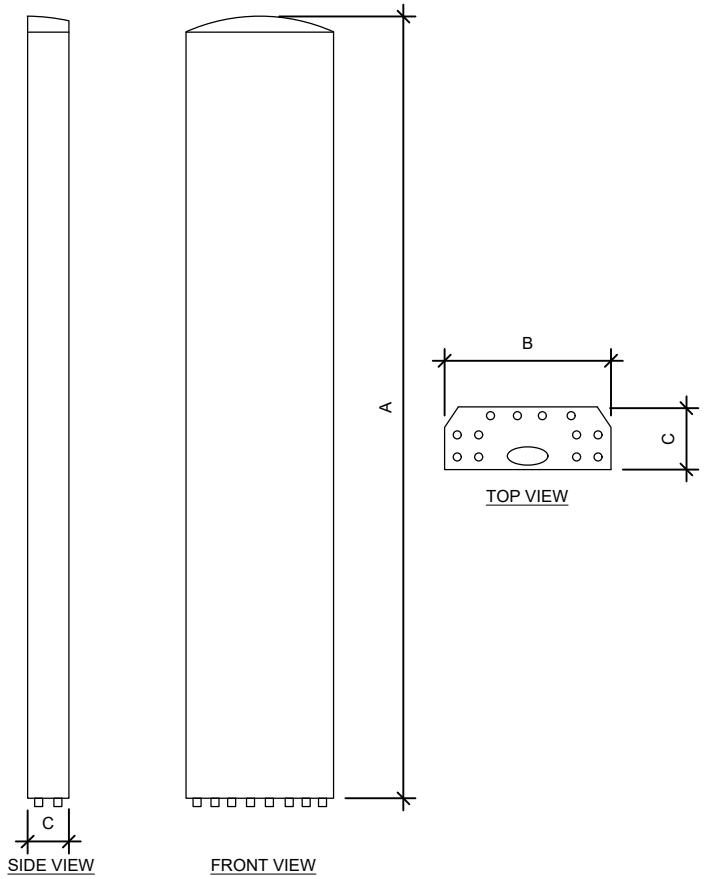


DATE DRAWN:	05/08/20
ATC JOB NO:	302469
CUSTOMER ID:	13202054
CUSTOMER #:	20-10207

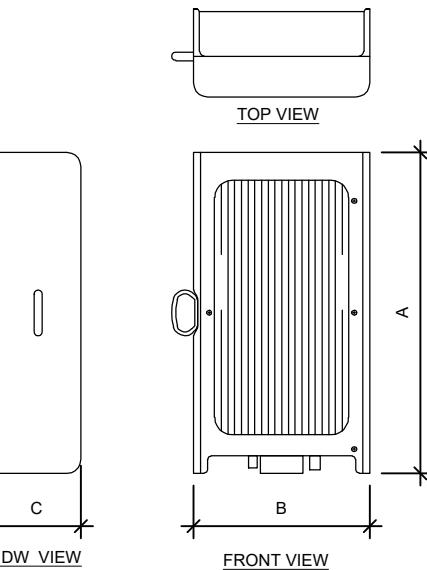
## CONSTRUCTION DETAILS

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

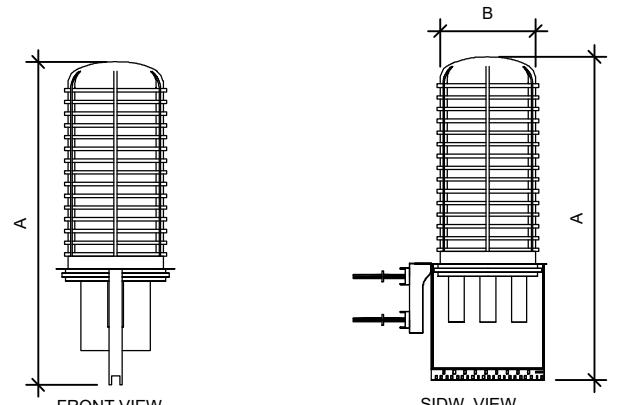
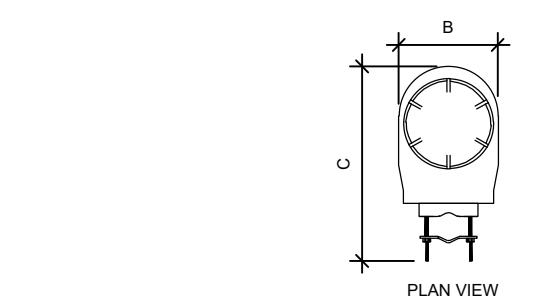




ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
CCI OPA65R-BU4DA	48.2"	21"	7.8"	52.5
CCI DMP65R-BU4DA	48.0"	20.7"	7.7"	67.9



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RRUS-E2 B29	20.4"	18.5"	7.5"	60.0
4478 B14	18.1"	13.4"	8.3"	59.4
RRUS-4449 B5/B12	17.9"	13.2"	9.4"	71.0



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



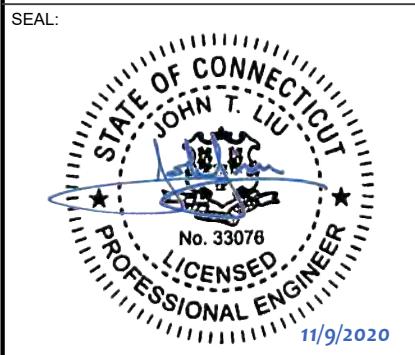
TOGETHER PLANNING A BETTER TOMORROW  
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20
△			
△			
△			

ATC SITE NUMBER:  
302469

ATC SITE NAME:  
BRIDGEPORT CT 2

SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06607-1226



DATE DRAWN:	05/08/20
ATC JOB NO:	302469
CUSTOMER ID:	13202054
CUSTOMER #:	20-10207

## EQUIPMENT SPECIFICATIONS

SHEET NUMBER:	1
C-502	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

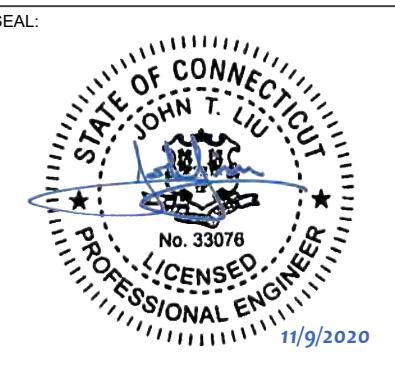
REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20

ATC SITE NUMBER:  
**302469**

ATC SITE NAME:

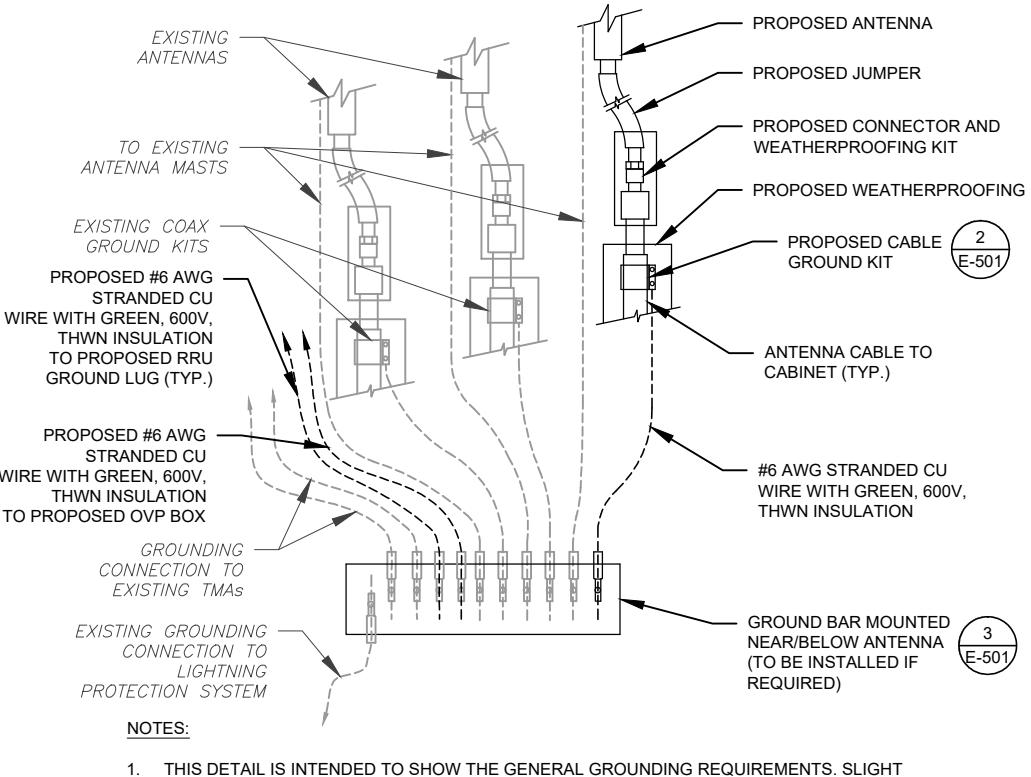
**BRIDGEPORT CT 2**

SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06460-1226

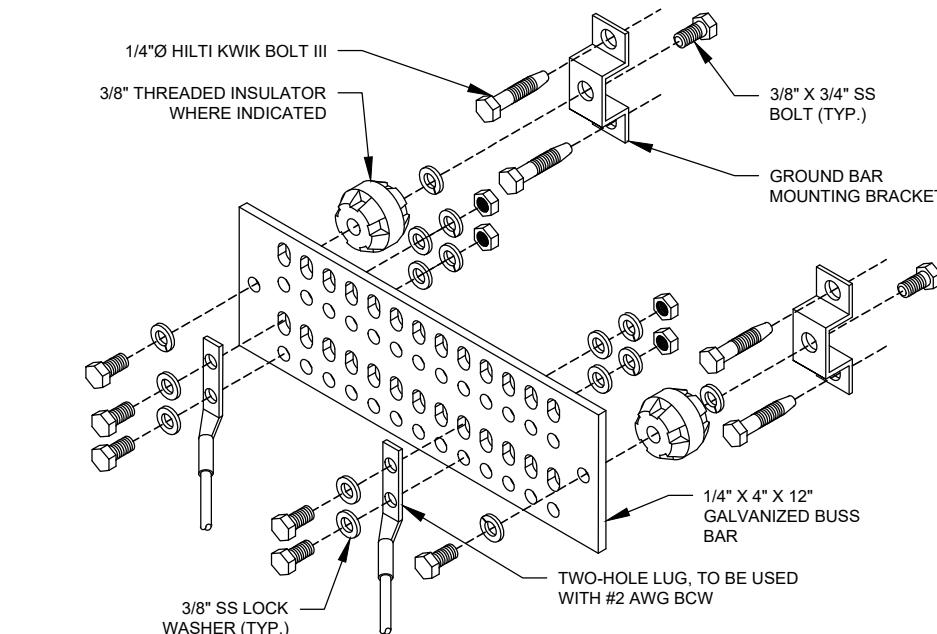


DATE DRAWN:	05/08/20
ATC JOB NO:	302469
CUSTOMER ID:	13202054
CUSTOMER #:	20-10207

## GROUNDING DETAILS

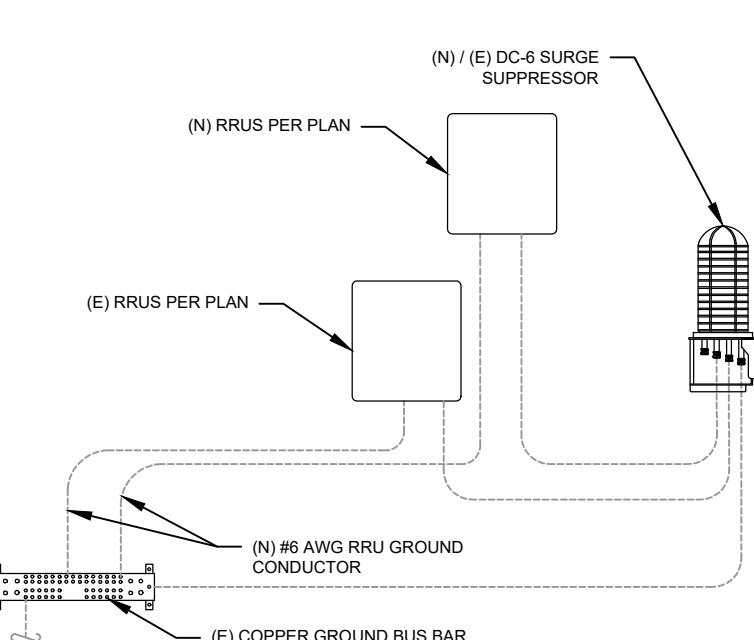


**1 TYPICAL ANTENNA GROUNDING DIAGRAM**

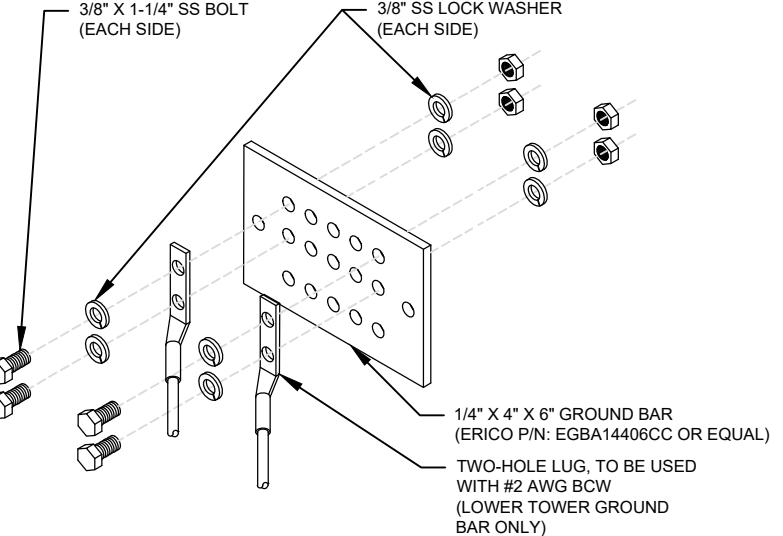
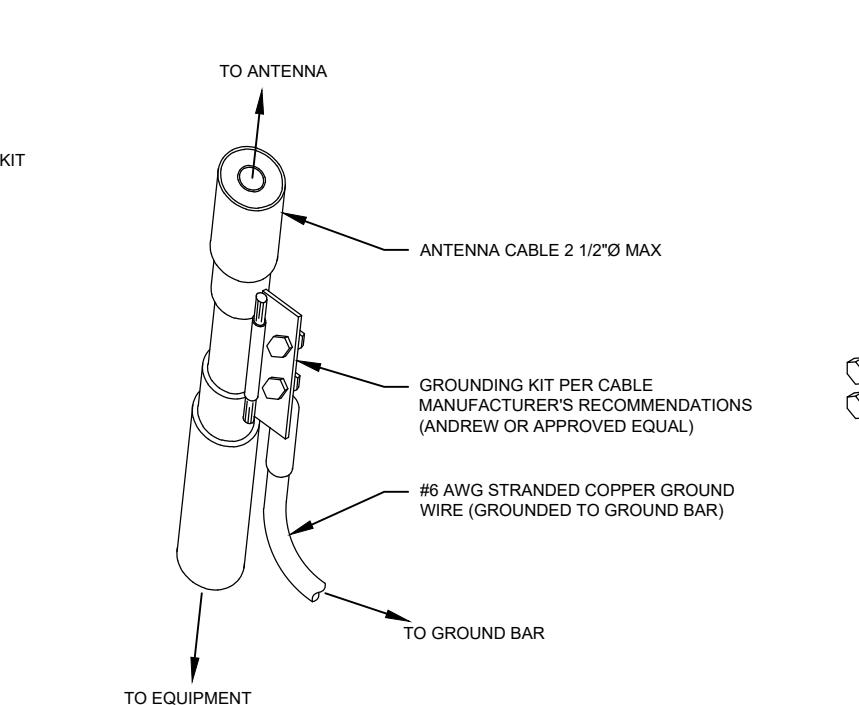


**4 MAIN GROUND BAR DETAIL**

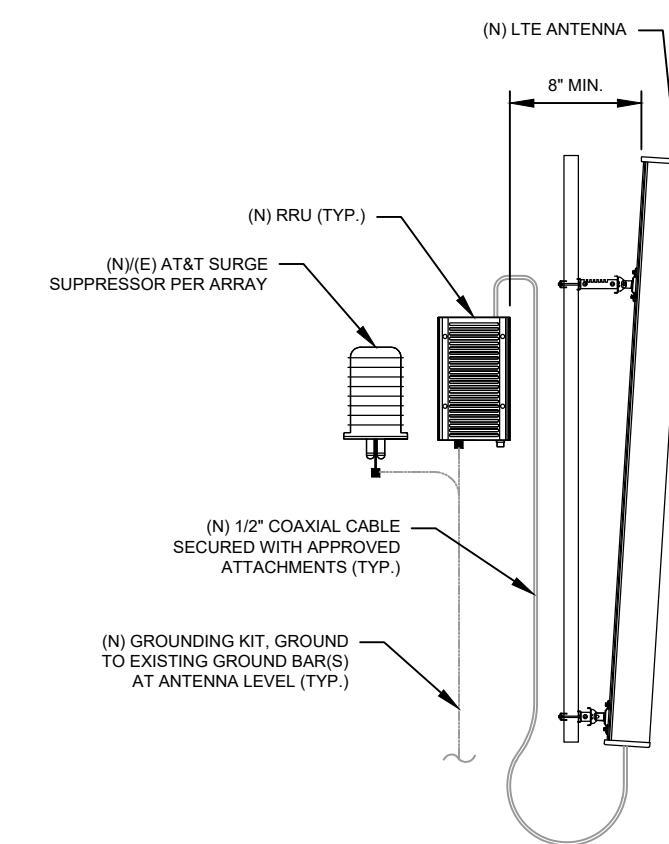
**2 CABLE GROUND KIT CONNECTION DETAIL**



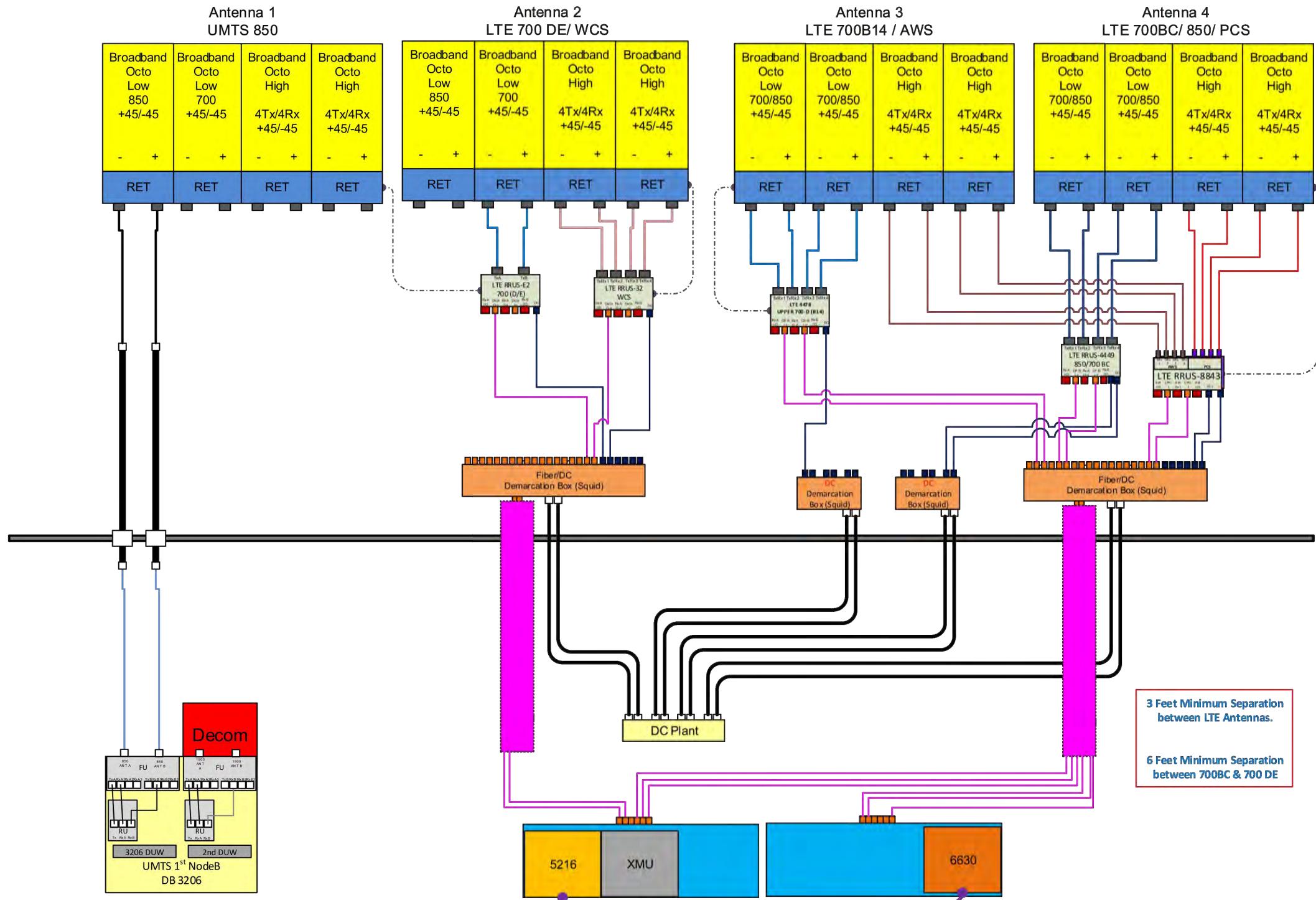
**5 RRU GROUNDING**



**3 TOWER GROUND BAR DETAIL**



**6 ANTENNA/RRU GROUNDING**

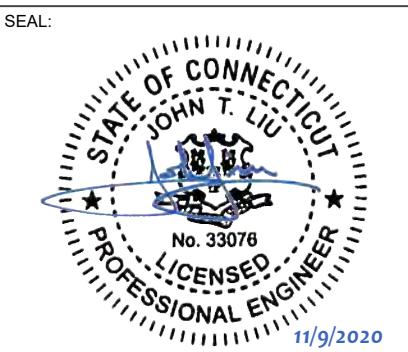


REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20
1	FOR CONSTRUCTION	ZDS	11/06/20

ATC SITE NUMBER:  
**302469**

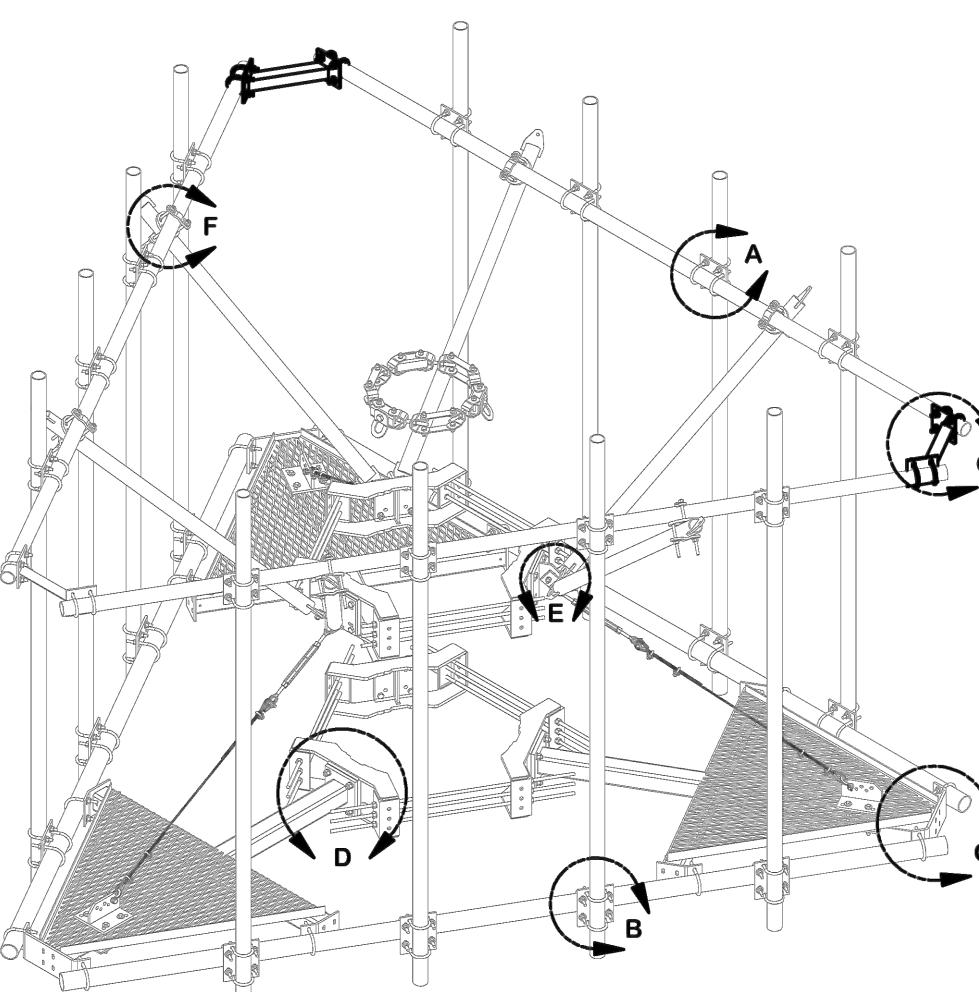
ATC SITE NAME:  
**BRIDGEPORT CT 2**

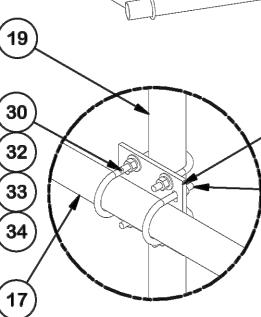
SITE ADDRESS:  
1069 CONNECTICUT AVENUE  
BRIDGEPORT, CT 06607-1226



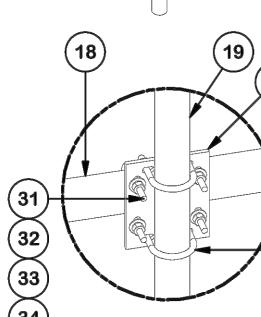
DATE DRAWN:	05/08/20
ATC JOB NO:	302469
CUSTOMER ID:	13202054
CUSTOMER #:	20-10207

**SUPPLEMENTAL**

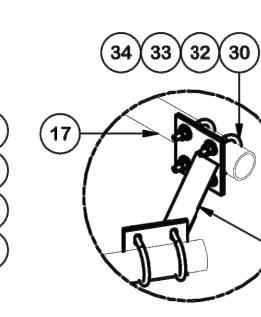




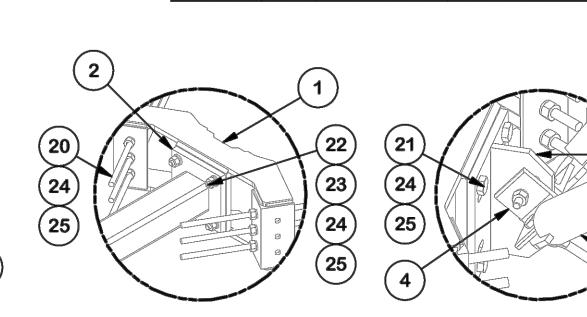
**DETAIL A**



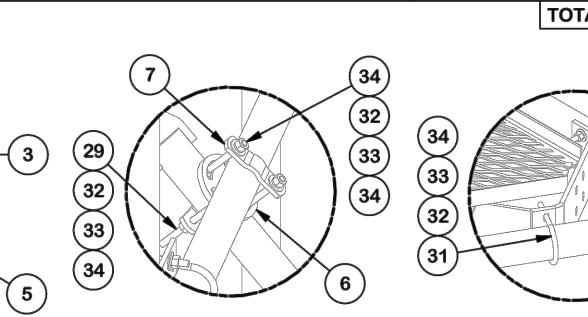
**DETAIL B**



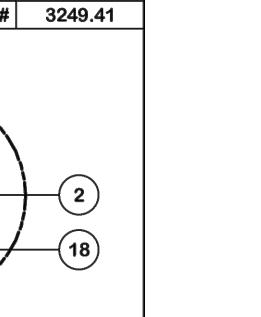
**DETAIL C**



**DETAIL D**



**DETAIL E**



**DETAIL F**



**DETAIL G**

PARTS LIST							
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.	
1	6	X-LWRM	RING MOUNT WELDMENT		68.81	412.85	
2	3	X-SV196L	LONG PLATFORM WELDMENT		230.94	692.81	
3	6	X-TBW	T-BRACKET WELDMENT		13.60	81.60	
4	6	SHCM-T	CHAIN MOUNT TIGHTENER BRACKET	3 in	1.86	11.15	
5	6	X-VSKL	LONG SUPPORT WELDMENT FOR VSK REINFORCEMENTS		37.05	222.33	
6	6	X-127594	FLAT DISK CLAMP PLATE 4" CENTERS (GALV.)		2.51	15.04	
7	12	X-100064	CLAMP (4" V-CLAMP) GALVANIZED		0.92	11.06	
8	3	320751-I	1/2" CHAIN SHACKLE		0.76	2.29	
9	3	320601-I	5/8" TURNBUCKLE		2.63	7.89	
10	6	320777-I	5/16" THIMBLE		0.06	0.36	
11	12	320152-I	5/16" WIRE ROPE CLIP		1.32	15.78	
12	3	AC516-10	5/16" AIRCRAFT CABLE		1.25	3.76	
13	15	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	90.32	
14	12	SCX2	CROSSOVER PLATE	7 in	4.80	57.56	
15	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.92	38.76	
17	3	P30174	2-7/8" O.D. x 174" SCH. 40 PIPE	174 in	84.20	252.59	
18	3	P3174	3-1/2" X 174" SCH 40 GALVANIZED PIPE	174 in	109.97	329.90	
19	12	P30120	2-7/8" x 120" (2-1/2" SCH. 40) GALVANIZED PIPE	120 in	58.07	696.79	
20	18	G58R-48	5/8" x 48" THREADED ROD (HDG.)		4.18	75.27	
20	18	G58R-24	5/8" x 24" THREADED ROD (HDG.)		2.09	37.63	
21	12	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	3.75	
22	12	A58234	5/8" x 2-3/4" HDG A325 HEX BOLT	2 3/4 in	0.36	4.27	
23	12	A58FW	5/8" HDG A325 FLATWASHER		0.03	0.41	
24	60	G58LW	5/8" HDG LOCKWASHER		0.03	1.57	
25	60	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	7.79	
26	6	G12112	1/2" x 1-1/2" HDG HEX BOLT GR5	1/2 in	0.15	0.89	
27	3	G12212	1/2" x 2-1/2" HDG HEX BOLT GR5	2 1/2 in	0.20	0.61	
28	12	G1204	1/2" x 4" HDG HEX BOLT GR5 FULL THREAD	4 in	0.27	3.24	
29	24	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	5 1/2 in	0.41	9.83	
30	84	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	56.19	
31	36	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.83	29.82	
32	288	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	9.82	
33	285	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	3.96	
34	285	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	20.41	
35	1	HALO40	5,000 LB. MAINTENANCE TIE-OFF POINT		41.12	41.12	
						<b>TOTAL WT. #</b>	<b>3249.41</b>

**TOLERANCE NOTES**

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
SAWED, SHEARED AND GAS CUT EDGES ( $\pm 0.030"$ )  
DRILLED AND GAS CUT HOLES ( $\pm 0.030"$ ) - NO CONING OF HOLES  
LASER CUT EDGES AND HOLES ( $\pm 0.010"$ ) - NO CONING OF HOLES  
BENDS AND ANGLES ARE  $\pm 1/2$  DEGREE  
ALL OTHER MACHINING ( $\pm 0.030"$ )  
ALL OTHER ASSEMBLY ( $\pm 0.060"$ )

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.

**DESCRIPTION**  
14' 6" LOW PROFILE PLATFORM  
WITH TWELVE 2-7/8" ANTENNA MOUNTING  
PIPES, REINFORCED HANDRAIL, AND CABLE

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
CSL	10/17/2019	10/18/2019	RMQLP-4120-H10
87	02	CUSTOMER	DWG. NO.
			RMQLP-4120-H10

1 MOUNT DETAIL

SUPPLEMENTAL

SHEET NUMBER: R-602 | REVISION: 1