

May 1, 2023

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

Re: Notice of Exempt Modifications – AT&T Site CT2218
AT&T Telecommunications Facility @ 54 Waterbury Rd Prospect, CT 06712

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC (“AT&T”) currently maintains a wireless telecommunications facility on an existing +/- 160’ guyed tower at the above referenced address, latitude 41.5112139, longitude - 72.9825269. Said guyed tower is owned and managed by Site Management Services.

AT&T desires to modify its existing telecommunications facility by replacing existing mount with new mount, replacing six (6) antennas, adding six (6) antennas, replacing three (3) RRUs, adding six (6) RRUs, removing six (6) TMAs, removing twelve (12) diplexers, and adding two (2) surge arrestor with the associated cables as more particularly detailed and described on the enclosed Construction Drawings prepared by TEP Northeast, last revised on April 24, 2023. The centerline height of the existing antennas is and will remain at 126 feet.

Please accept this letter as notification pursuant to R.C.S.A §16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A §16-50j-72(b)(2). In accordance with R.C.S.A §16-50j-73, a copy of this letter is being sent to the following individuals: Robert Chatfield Mayor for the Town of Prospect: Seth Flynn Building Inspector for the Town of Prospect: Robert Johnson, Site Management Services as tower owner and Charles E & Averyll B Bradshaw as property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. §16-50j-72(b)(2). Specifically:

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require an extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commissions safety standard. *Please see the RF emissions calculation for AT&T’s modified facility enclosed herewith.*
5. The proposed modifications will not cause an ineligible change or alternation in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading. Please see the structural analysis dated March 31, 2023 and prepared by Armor Tower Engineering enclosed herewith.

For the foregoing reasons, AT&T respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A §16-50j-72(b)(2).

Best Regards,

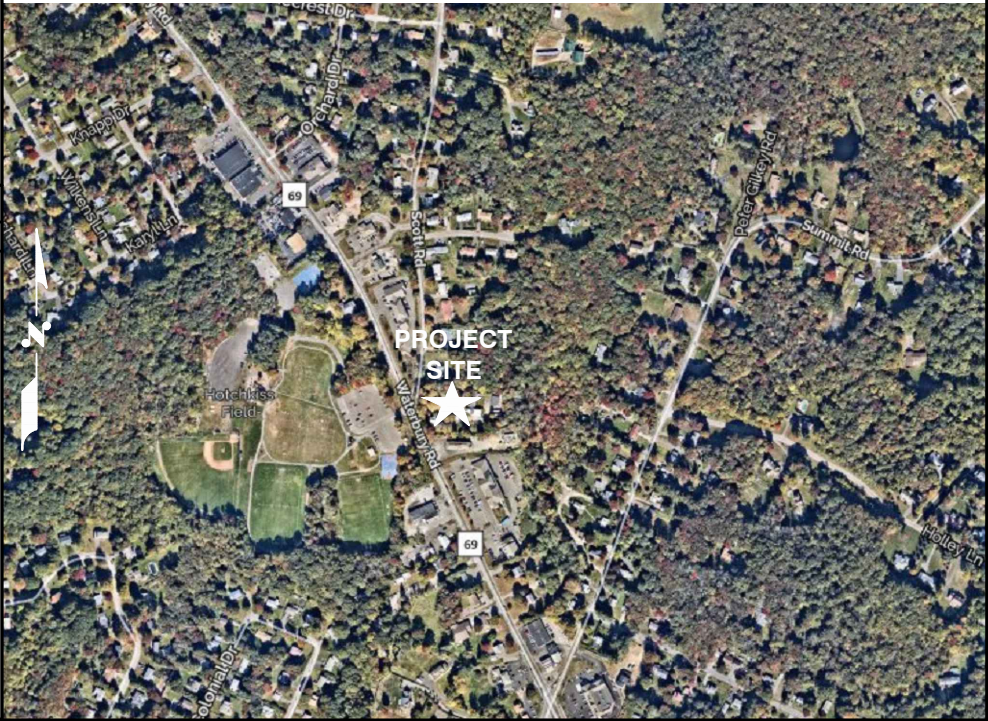
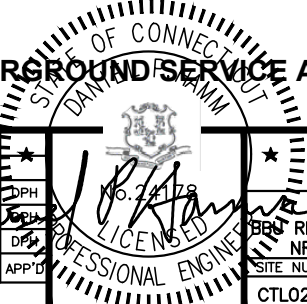
Allison Conwell

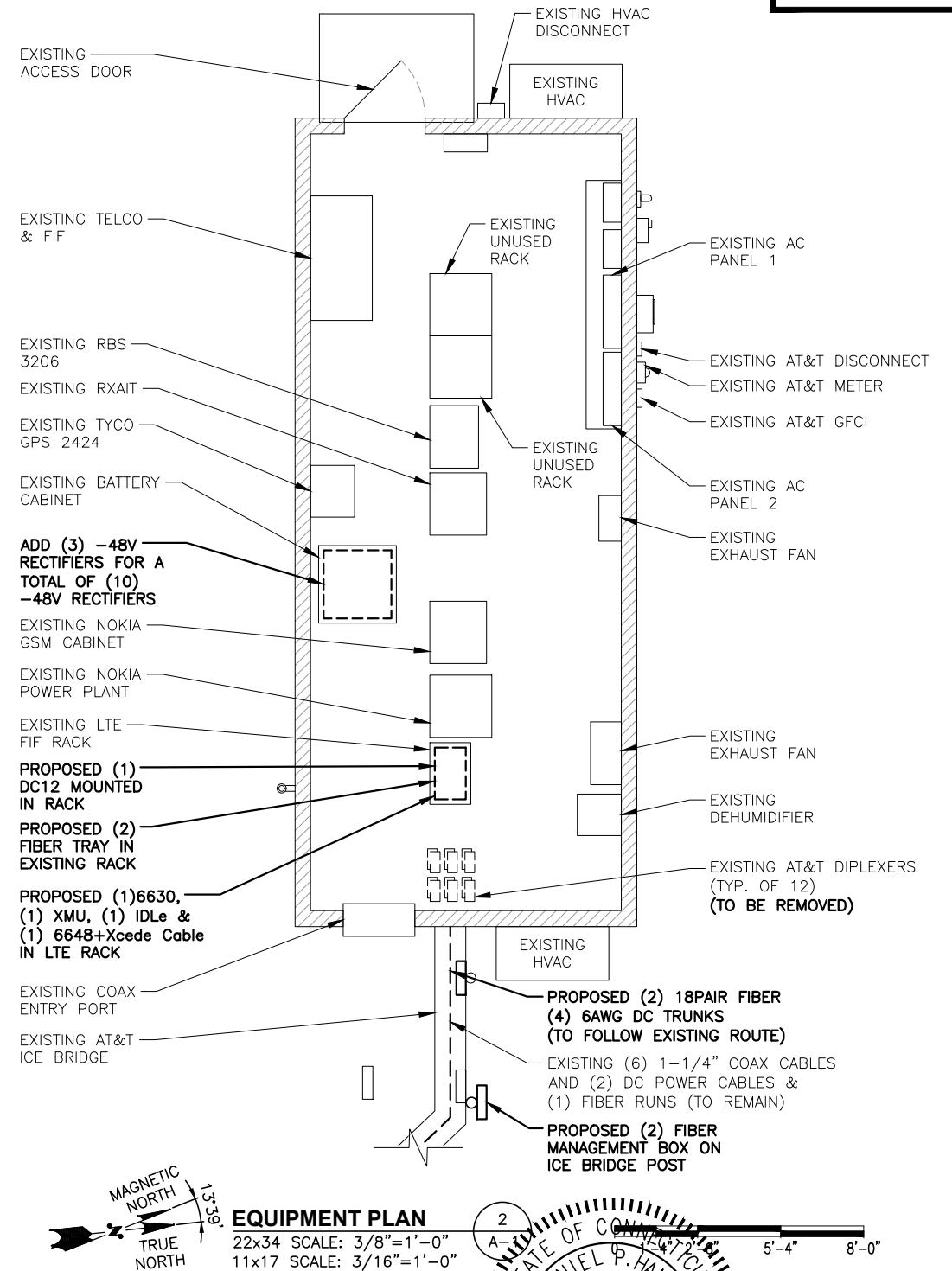
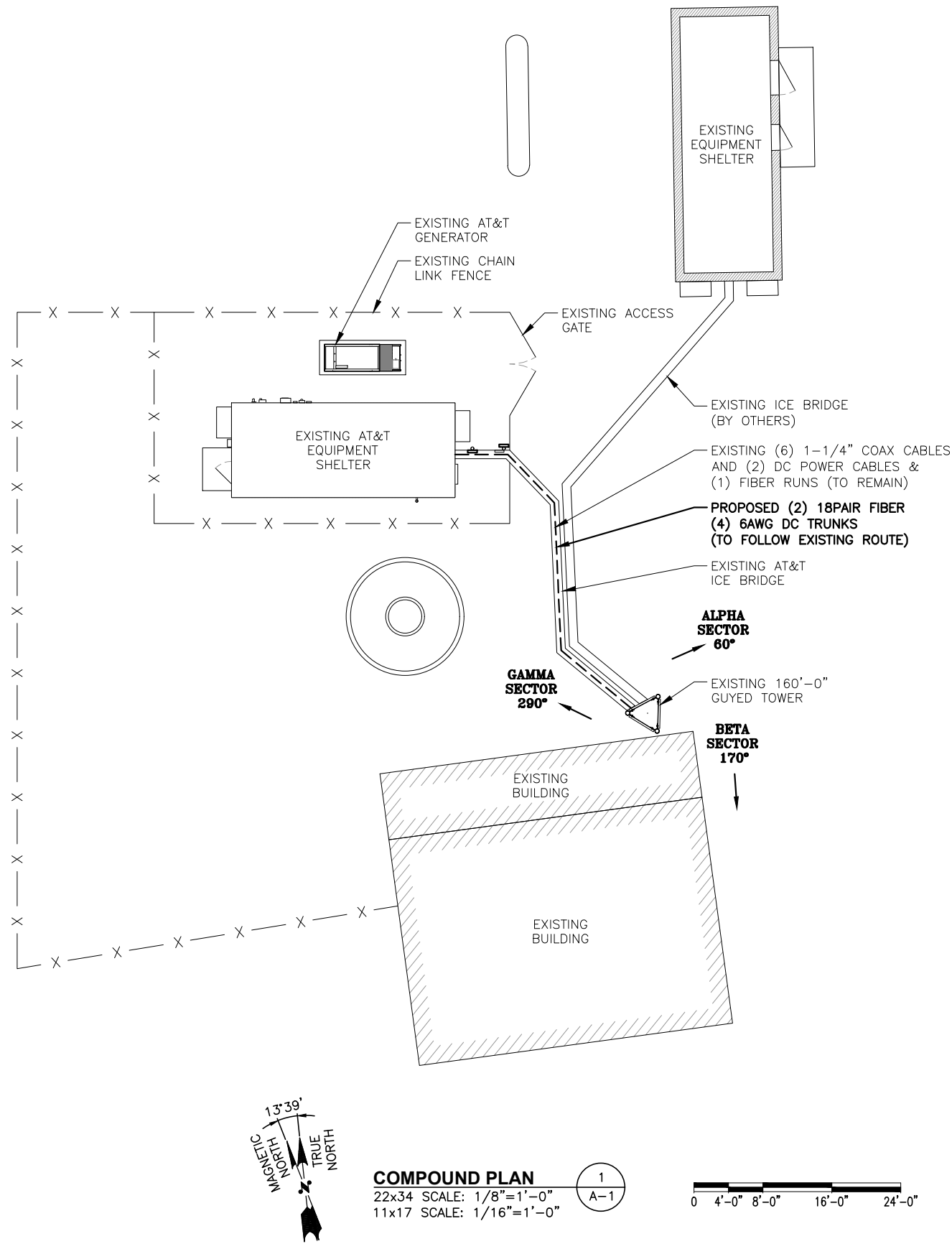
Site Acquisition Consultant – Agent for AT&T
Centerline Communications LLC
750 West Center St. Ste 301
West Bridgewater, MA 02379
215-588-7035
aconwell@clinellc.com

Enclosures: Exhibit 1 – Construction Drawings
 Exhibit 2 – Property Card and GIS
 Exhibit 3 – Structural Analysis
 Exhibit 4 – Mount Analysis
 Exhibit 5 – RF Emissions Analysis Report Evaluation
 Exhibit 6 – Available Town of Prospect Original Tower Approval Records
 Exhibit 7 – Notice Deliver Confirmations

Cc: Robert Chatfield, as elected official, Town of Prospect
 Seth Flynn, Building Inspector for the Town of Prospect
 Robert Johnson, Site Management Services, as tower owner
 Charles E & Averyll B Bradshaw as property owner

EXHIBIT 1

PROJECT INFORMATION SCOPE OF WORK: ITEMS TO BE MOUNTED ON THE EXISTING GUYED TOWER: - NEW AT&T 14'-6" WIDE SECTOR FRAME WITH STIFF ARMS (SITEPRO1 PART# VFA-14-H10-2120) (TYP. OF 1 PER SECTOR, TOTAL OF 3) - NEW AT&T ANTENNAS: AIR6419 B77G (TYP. OF 1 PER SECTOR, TOTAL OF 3) + AIR6449 N77D (STACKED) (TYP. OF 1 PER SECTOR, TOTAL OF 3). - NEW AT&T ANTENNA: TPA65R-BU8DA-K (TOTAL OF 1 PER ALPHA SECTOR). - NEW AT&T ANTENNA: DMP65R-BU8DA (TYP. OF 1 IN ALPHA SECTOR, TOTAL OF 1). - NEW AT&T ANTENNA: TPA65R-BU6DA-K (TYP. OF 1 PER BETA & GAMMA SECTORS, TOTAL OF 2). - NEW AT&T ANTENNA: DMP65R-BU6DA (TYP. OF 1 PER BETA & GAMMA SECTORS, TOTAL OF 2). - NEW AT&T RRUS: 4449 B5/B12 (TYP. OF 1 PER SECTOR, TOTAL OF 3) - NEW AT&T RRUS: 4478 B14 (TYP. OF 1 PER SECTOR, TOTAL OF 3) - NEW AT&T RRUS: 4426 B66 (TYP. OF 1 PER SECTOR, TOTAL OF 3) - EXISTING AT&T RRUS: 32 B2 (TYP. OF 1 PER SECTOR, TOTAL OF 3) - NEW AT&T SURGE ARRESTOR DC6-48-60-18-8C-EV (TYP. OF 1 PER SECTOR, TOTAL OF 2) - NEW AT&T (3) Y-CABLES - NEW AT&T (4) 6AWG DC POWER CABLES & (2) 18 PAIRS OF FIBER RUN. ITEMS TO BE MOUNTED AT EQUIPMENT LOCATION: - ADD (1) 6630, (1) XMU & (1)IDLe MOUNTED IN EXISTING LTE RACK. - ADD (1) 6648 + Xcede Cable MOUNTED IN EXISTING LTE RACK. - ADD (3) -48v RECTIFIERS FOR A TOTAL OF (10) -48v RECTIFIERS TO EXISTING POWER PLANT. - PROPOSED (2) FIBER BOX ON ICE BRIDGE POST AND (2) FIBER TRAY IN LTE RACK. - PROPOSED DC12 MOUNTED IN EXISTING LTE RACK. ITEMS TO BE REMOVED: - EXISTING AT&T ANTENNA: SBNH-1D6565C (TOTAL OF 1 FOR GAMMA SECTOR). - EXISTING AT&T ANTENNA: HPA-65R-BUU-H8 (TYP. OF 1 IN ALPHA & GAMMA SECTOR, TOTAL OF 2). - EXISTING AT&T ANTENNA: HPA-65R-BUU-H6 (TYP. OF 1 IN BETA SECTOR, TOTAL OF 1). - EXISTING AT&T ANTENNA: AM-X-CD-16-65-00T-RET (TYP. OF 1 PER ALPHA & BETA SECTOR, TOTAL OF 2). - EXISTING AT&T RRUS: RRUS-11 B12 (TYP. OF 1 PER SECTOR, TOTAL OF 3) - EXISTING AT&T TMA'S: DTMABP7819VG12A (TYP. OF 1 PER SECTOR, TOTAL OF 6). - EXISTING AT&T DIPLEXER: CM1007-DBPXC-003 (TYP. OF 4 PER SECTOR, TOTAL OF 12). ITEMS TO REMAIN: (3) RRU'S, (1) SURGE SUPPRESSOR, (6) COAX LINES, (2) DC POWER & (1) FIBER SITE ADDRESS: 54 WATERBURY ROAD PROSPECT, CT 06712 LATITUDE: 41.5112139° N 41° 30' 40.37004" N LONGITUDE: -72.9825269° W 72° 58' 57.09684" W TYPE OF SITE: GUYED TOWER / INDOOR EQUIPMENT STRUCTURE HEIGHT: 160'-0"± RAD CENTER: 124'-2"±, 126'-0"±, 127'-9"± CURRENT USE: TELECOMMUNICATIONS FACILITY PROPOSED USE: TELECOMMUNICATIONS FACILITY			 SITE NUMBER: CTL02218 SITE NAME: PROSPECT BRADSHAW TWR FA CODE: 10035230 PACE ID: MRCTB054833, MRCTB055345, MRCTB055813, MRCTB054414, MRCTB056360, MRCTB056374, MRCTB053437 PROJECT: BBU RECONFIG. 5G NR 1SR CBAND, 5G NR RADIO, 5G NR SOFTWARE RADIO, LTE 3C, 2023 UPGRADE																																												
VICINITY MAP DIRECTIONS TO SITE: HEAD SOUTHEAST TOWARD CAPITAL BLVD, TURN LEFT ONTO CAPITAL BLVD, USE THE LEFT 2 LANES TO TURN LEFT ONTO STATE HWY 411, TURN LEFT TO MERGE WITH I-91 S, MERGE WITH I-91 S, TAKE EXIT 18 FOR I-691 W TOWARD MERIDEN/WATERBURY, CONTINUE ONTO I-691 W, TAKE EXIT 1 ON THE LEFT FOR I-84 W TOWARD WATERBURY/DANBURY, MERGE WITH I-84, TAKE EXIT 25A FOR AUSTIN RD, TURN LEFT ONTO AUSTIN RD, CONTINUE ONTO SCOTT RD, SCOTT RD TURNS LEFT AND BECOMES CT-69 S DESTINATION WILL BE ON THE LEFT. 			GENERAL NOTES 1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED. 2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS. 3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T MOBILITY REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME. 4. CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN.																																												
DRAWING INDEX <table><tr><th>SHEET NO.</th><th>DESCRIPTION</th><th>REV.</th></tr><tr><td>T-1</td><td>TITLE SHEET</td><td>1</td></tr><tr><td>GN-1</td><td>GENERAL NOTES</td><td>1</td></tr><tr><td>A-1</td><td>COMPOUND & EQUIPMENT PLANS</td><td>1</td></tr><tr><td>A-2</td><td>ANTENNA LAYOUT PLANS & ELEVATION</td><td>1</td></tr><tr><td>A-3</td><td>DETAILS</td><td>1</td></tr><tr><td>A-4</td><td>DETAILS</td><td>1</td></tr><tr><td>G-1</td><td>GROUNDING DETAILS</td><td>1</td></tr><tr><td>RF-1</td><td>RF PLUMBING DIAGRAM</td><td>1</td></tr><tr><td>S-1</td><td>REINFORCEMENT DESIGN (BY OTHERS)</td><td>1</td></tr><tr><td>S-2</td><td>REINFORCEMENT DESIGN (BY OTHERS)</td><td>1</td></tr><tr><td>S-3</td><td>REINFORCEMENT DESIGN (BY OTHERS)</td><td>1</td></tr></table>			SHEET NO.	DESCRIPTION	REV.	T-1	TITLE SHEET	1	GN-1	GENERAL NOTES	1	A-1	COMPOUND & EQUIPMENT PLANS	1	A-2	ANTENNA LAYOUT PLANS & ELEVATION	1	A-3	DETAILS	1	A-4	DETAILS	1	G-1	GROUNDING DETAILS	1	RF-1	RF PLUMBING DIAGRAM	1	S-1	REINFORCEMENT DESIGN (BY OTHERS)	1	S-2	REINFORCEMENT DESIGN (BY OTHERS)	1	S-3	REINFORCEMENT DESIGN (BY OTHERS)	1	72 HOURS CALL BEFORE YOU DIG CALL TOLL FREE 1-800-922-4455 OR CALL 811 UNDERGROUND SERVICE ALERT 								
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 TEP NORTHEAST TEP OPCO, LLC. 45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845 TEL: (978) 557-5553		 CENTERLINE COMMUNICATIONS 750 WEST CENTER STREET, SUITE #301 WEST BRIDGEWATER, MA 02379		SITE NUMBER: CTL02218 SITE NAME: PROSPECT BRADSHAW TWR 54 WATERBURY ROAD PROSPECT, CT 06712 NEW HAVEN COUNTY		 500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067		<table><tr><td>1</td><td>04/25/23</td><td>ISSUED FOR CONSTRUCTION</td><td>SE</td><td>MT</td><td>DPH</td></tr><tr><td>B</td><td>10/04/22</td><td>ISSUED FOR PERMITTING</td><td>VS</td><td>MT</td><td>DPH</td></tr><tr><td>A</td><td>01/14/22</td><td>ISSUED FOR REVIEW</td><td>VS</td><td>MT</td><td>DPH</td></tr><tr><td>NO.</td><td>DATE</td><td>REVISIONS</td><td>BY</td><td>CHK</td><td>APP'D</td></tr><tr><td colspan="2">SCALE: AS SHOWN</td><td>DESIGNED BY: AT</td><td colspan="2">DRAWN BY: GD</td><td></td></tr></table>		1	04/25/23	ISSUED FOR CONSTRUCTION	SE	MT	DPH	B	10/04/22	ISSUED FOR PERMITTING	VS	MT	DPH	A	01/14/22	ISSUED FOR REVIEW	VS	MT	DPH	NO.	DATE	REVISIONS	BY	CHK	APP'D	SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: GD			AT&T TITLE SHEET BBU RECONFIG. 5G NR 1SR CBAND, 5G NR RADIO, 5G NR SOFTWARE RADIO, LTE 3C 2023 UPGRADE <table><tr><th>SITE NUMBER</th><th>DRAWING NUMBER</th><th>REV</th></tr><tr><td>CTL02218</td><td>T-1</td><td>1</td></tr></table>		SITE NUMBER	DRAWING NUMBER	REV	CTL02218	T-1	1
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NOTE:
 REFER TO MOUNT ANALYSIS BY: TEP NORTHEAST (TEP OPCO,LLC.) DATED: APRIL 21, 2023 (REV.1), FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

NOTE:
 REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
 AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.



750 WEST CENTER STREET, SUITE #301
 WEST BRIDGEWATER, MA 02379

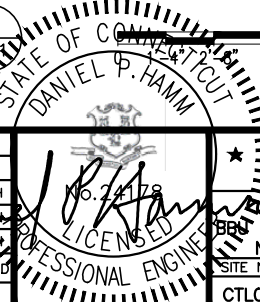
SITE NUMBER: CTL02218
SITE NAME: PROSPECT BRADSHAW TWR

54 WATERBURY ROAD
 PROSPECT, CT 06712
 NEW HAVEN COUNTY

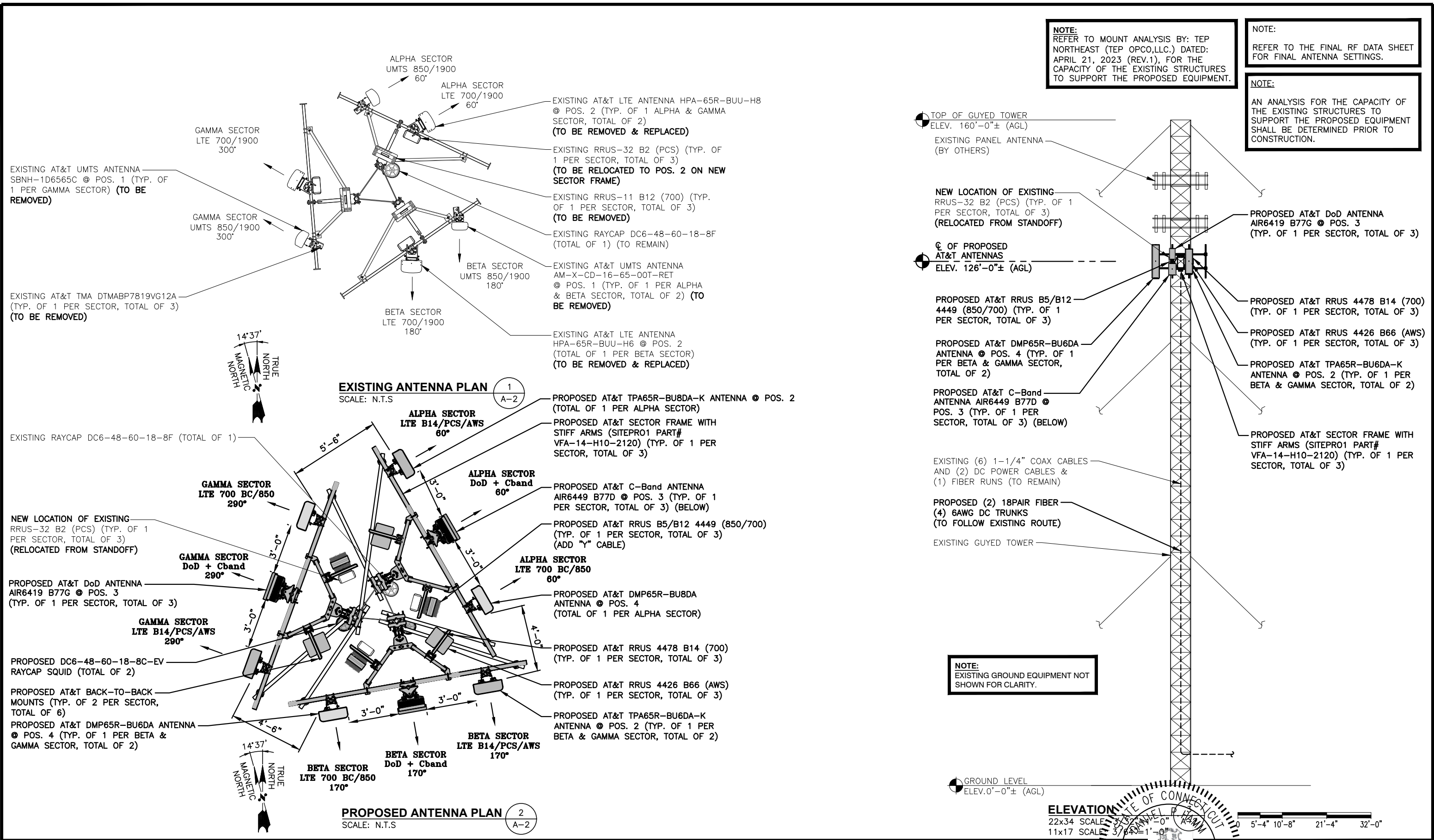


500 ENTERPRISE DRIVE, SUITE 3A
 ROCKY HILL, CT 06067

NO.	DATE	REVISIONS	BY	CHK	APP'D
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B	10/04/22	ISSUED FOR PERMITTING	JS	MT	DPH
A	01/14/22	ISSUED FOR REVIEW	VS	MT	DPH
SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: GD					



AT&T		
COMPOUND & EQUIPMENT PLANS BRU RECONFIG. 5G NR 1SR CBAND, 5G NR RADIO, 5G NR SOFTWARE RADIO, LTE 3C 2023 UPGRADE		
SITE NUMBER	DRAWING NUMBER	REV
CTL02218	A-1	1



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NOTE:
AN ANALYSIS FOR THE CAPACITY OF
THE EXISTING STRUCTURES TO
SUPPORT THE PROPOSED EQUIPMENT
SHALL BE DETERMINED PRIOR TO
CONSTRUCTION.

NOTE:
EXISTING GROUND EQUIPMENT NOT
SHOWN FOR CLARITY.

TEP NORTHEAST
TEP OPCO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

750 WEST CENTER STREET, SUITE #301
WEST BRIDGEWATER, MA 02379

SITE NUMBER: CTL02218
SITE NAME: PROSPECT BRADSHAW TWR

54 WATERBURY ROAD
PROSPECT, CT 06712
NEW HAVEN COUNTY

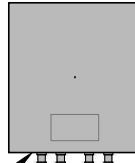
500 ENTERPRISE DRIVE, SUITE 3A
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NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: GD		

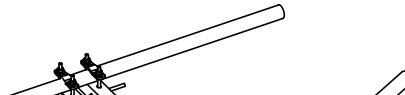
AT&T

ANTENNA LAYOUT PLANS & ELEVATION
BBU RECONFIG. 5G NR 1SR CBAND, 5G NR RADIO, 5G
NR SOFTWARE RADIO, LTE 3C 2023 UPGRADE

SITE NUMBER	DRAWING NUMBER	REV
CTL02218	A-2	1

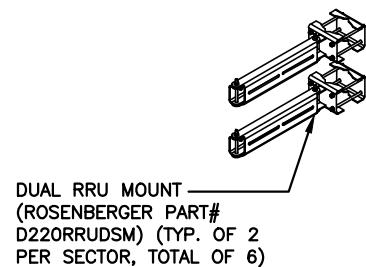
ANTENNA SCHEDULE												RRU CHART			NOTE: REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.
SECTOR	EXISTING/ PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA Ꞥ HEIGHT	AZIMUTH	TMA/ DIPLEXER	RRU	SIZE (INCHES) (L x W x D)	FEEDER	RAYCAP	QUANTITY	MODEL	SIZE (L x W x D)	
A1	EMPTY	—	—	—	—	—	—	—	—	(E)(2) 1–1/4" COAX	(E) (1) RAYCAP DC6–48–60–18–8F	P(3)	4449 B5/B12 (850/700)	17.9"x13.2"x10.4"	
A2	PROPOSED	LTE B14/PCS/AWS	TPA65R–BU8DA–K	96X20.7X7.7	126'–0"±	60°	—	(P)(1) 4478 B14 (700) (E)(1) RRUS–32 B2 (1900) (P)(1) 4426 B66 (AWS)	18.1x13.4x8.3 — 14.9x13.2x5.8	(E)(2) DC POWER & (1) FIBER		P(3)	4478 B14 (700)	18.1"x13.4"x8.3"	
A3	PROPOSED	DoD C–BAND	AIR6419 B77G AIR6449 N77D	31.1X16.1X7.3 30.4X15.9X8.1	126'–0"±	60°	—	—	—	—		P(3)	4426 B66 (AWS)	14.9"x13.2"x5.8"	
A4	PROPOSED	LTE 700 BC/850	DMP65R–BU8DA	96X20.7X7.7	126'–0"±	60°	—	(P)(1) 4449 B5/B12 (850/700)	17.9x13.2x10.4	(P)(1) Y CABLE		NOTE: MOUNT PER MANUFACTURER'S SPECIFICATIONS			
B1	EMPTY	—	—	—	—	—	—	—	—	(E)(2) 1–1/4" COAX	(P) (1) RAYCAP DC6–48–60–18–8C–EV	NOTE: SEE RFDS FOR RRH FREQUENCY AND MODEL NUMBER 	PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS	NOTE: MOUNT PER MANUFACTURER'S SPECIFICATIONS.	
B2	PROPOSED	LTE B14/PCS/AWS	TPA65R–BU6DA–K	71.2X20.7X7.7	126'–0"±	170°	—	(P)(1) 4478 B14 (700) (E)(1) RRUS–32 B2 (1900) (P)(1) 4426 B66 (AWS)	18.1x13.4x8.3 — 14.9x13.2x5.8	—					
B3	PROPOSED	DoD C–BAND	AIR6419 B77G AIR6449 N77D	31.1X16.1X7.3 30.4X15.9X8.1	126'–0"±	170°	—	—	—	(P)(2) 6AWG DC TRUNK (APPROX. LENGTH=150'±)					
B4	PROPOSED	LTE 700 BC/850	DMP65R–BU6DA	71.2X20.7X7.7	126'–0"±	170°	—	(P)(1) 4449 B5/B12 (850/700)	17.9x13.2x10.4	(P)(1) Y CABLE (P)(1) 18PAIR FIBER					
C1	EMPTY	—	—	—	—	—	—	—	—	(E)(2) 1–1/4" COAX	(P) (1) RAYCAP DC6–48–60–18–8C–EV	PROPOSED RRUS DETAIL SCALE: N.T.S.			
C2	PROPOSED	LTE B14/PCS/AWS	TPA65R–BU6DA–K	71.2X20.7X7.7	126'–0"±	290°	—	(P)(1) 4478 B14 (700) (E)(1) RRUS–32 B2 (1900) (P)(1) 4426 B66 (AWS)	18.1x13.4x8.3 — 14.9x13.2x5.8	—					
C3	PROPOSED	DoD C–BAND	AIR6419 B77G AIR6449 N77D	31.1X16.1X7.3 30.4X15.9X8.1	126'–0"±	290°	—	—	—	(P)(2) 6AWG DC TRUNK (APPROX. LENGTH=150'±)					
C4	PROPOSED	LTE 700 BC/850	DMP65R–BU6DA	71.2X20.7X7.7	126'–0"±	290°	—	(P)(1) 4449 B5/B12 (850/700)	17.9x13.2x10.4	(P)(1) Y CABLE (P)(1) 18PAIR FIBER					

2
A–3



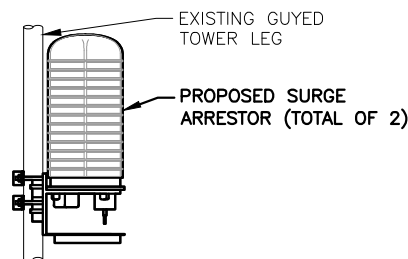
FINAL ANTENNA SCHEDULE

SCALE: N.T.S

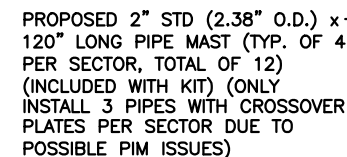
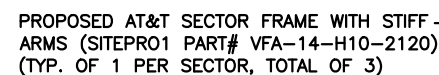


DUAL RRU MOUNT DETAIL

SCALE: N.T.S



**PROPOSED SURGE
ARRESTOR MOUNTING DETAIL**
SCALE: N.T.S



HEAVY DUTY V-FRAME DETAIL



750 WEST CENTER STREET, SUITE #301
WEST BRIDGEWATER, MA 02379

SITE NUMBER: CTL02218
SITE NAME: PROSPECT BRADSHAW TWR

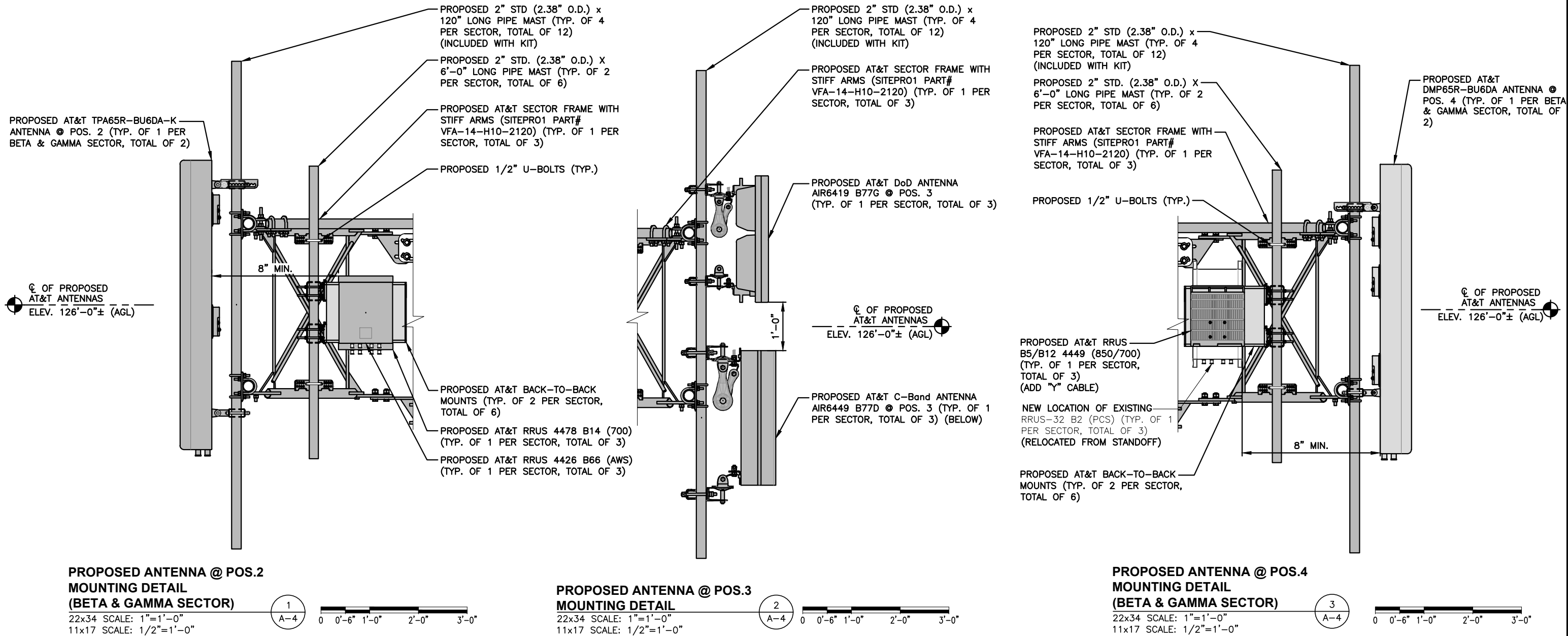
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500 ENTERPRISE DRIVE, SUITE 3A
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[illegible]

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750 WEST CENTER STREET, SUITE #301
WEST BRIDGEWATER, MA 02379

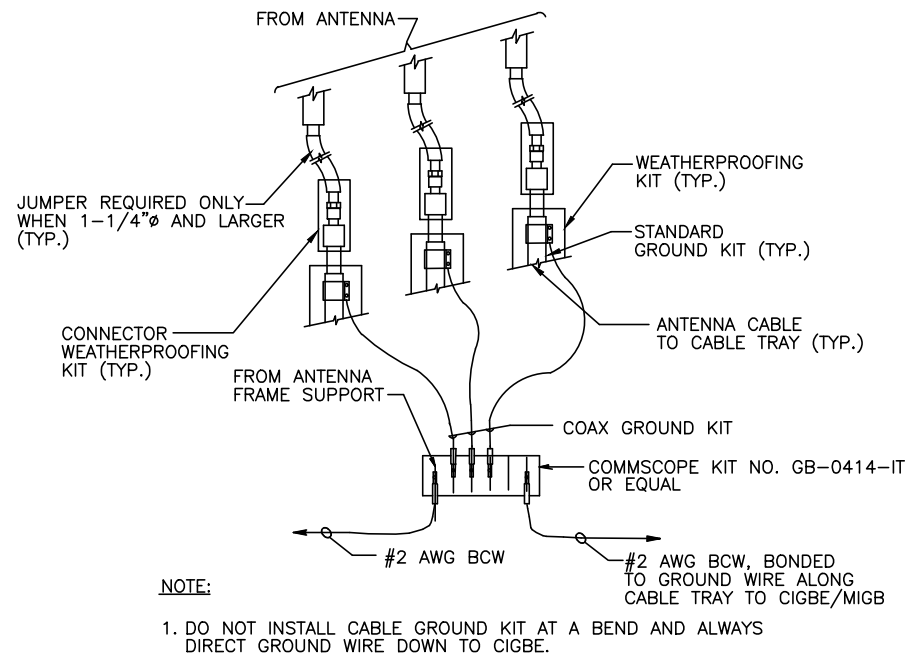
SITE NUMBER: CTL02218
SITE NAME: PROSPECT BRADSHAW TWR

54 WATERBURY ROAD
PROSPECT, CT 06712
NEW HAVEN COUNTY

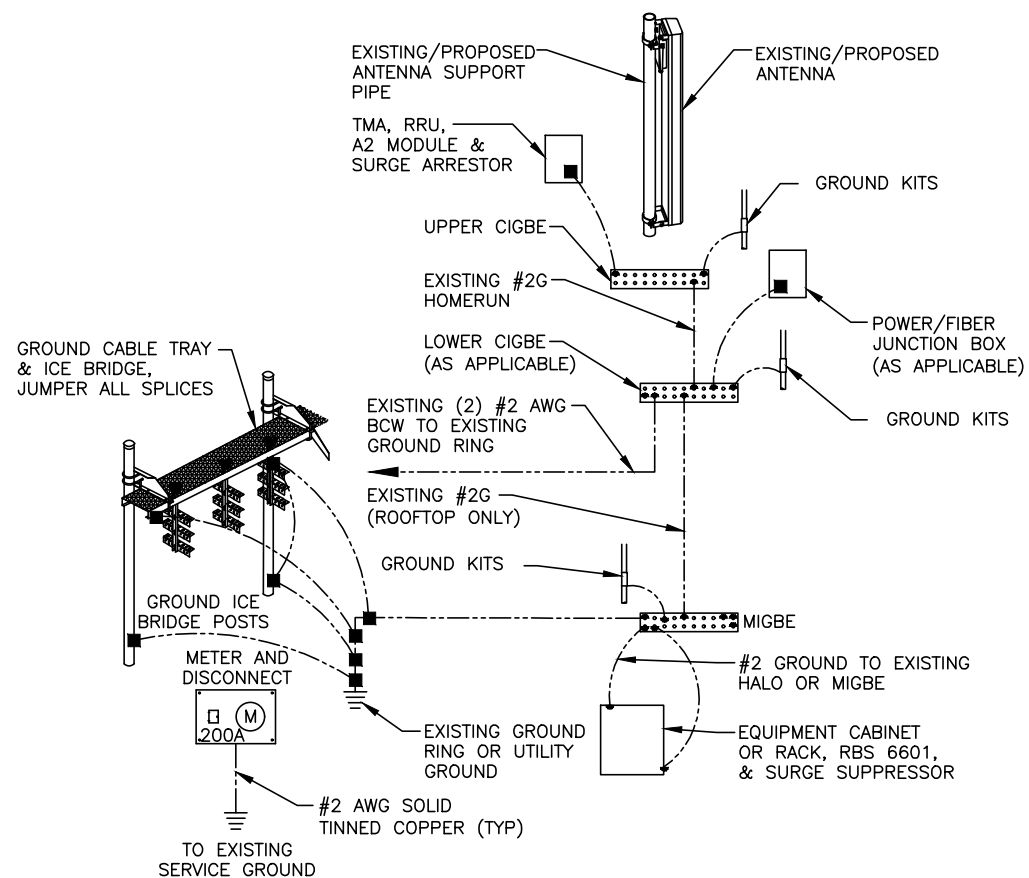


500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

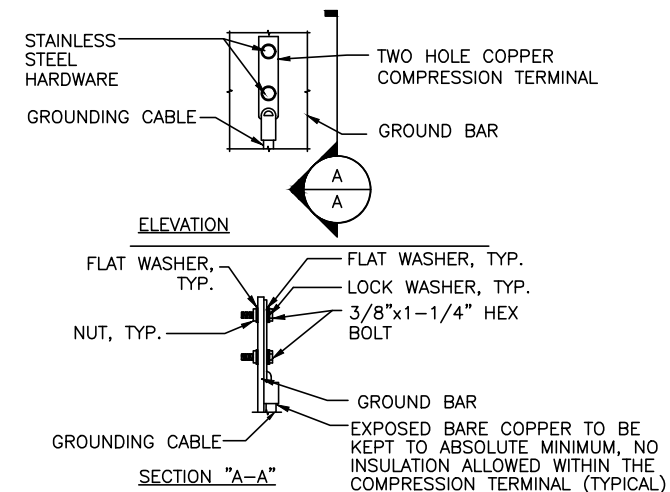
REVISIONS				AT&T			
NO.	DATE	REVISIONS	BY	CHK	APP'D	SITE NUMBER	DRAWING NUMBER
1	04/25/23	ISSUED FOR CONSTRUCTION	SE	MT	DPH	CTL02218	A-4
2	10/04/22	ISSUED FOR PERMITTING	VS	MT	DPH		
3	01/14/22	ISSUED FOR REVIEW	VS	MT	DPH		
SCALE: AS SHOWN				DESIGNED BY: AT			
				DRAWN BY: GD			
				DETAILS			
				5G NR 15R CBAND, 5G NR RADIO, 5G NR SOFTWARE RADIO, LTE 3C 2023 UPGRADE			
				REV			
				1			



GROUND WIRE TO GROUND BAR CONNECTION DETAIL 1
SCALE: N.T.S. G-1



GROUNDING RISER DIAGRAM 2
SCALE: N.T.S. G-1



- NOTES:
1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATION.
 3. CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB

TYPICAL GROUND BAR CONNECTION DETAIL 3
SCALE: N.T.S. G-1

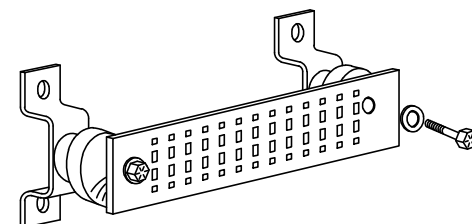
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" - SURGE PRODUCERS

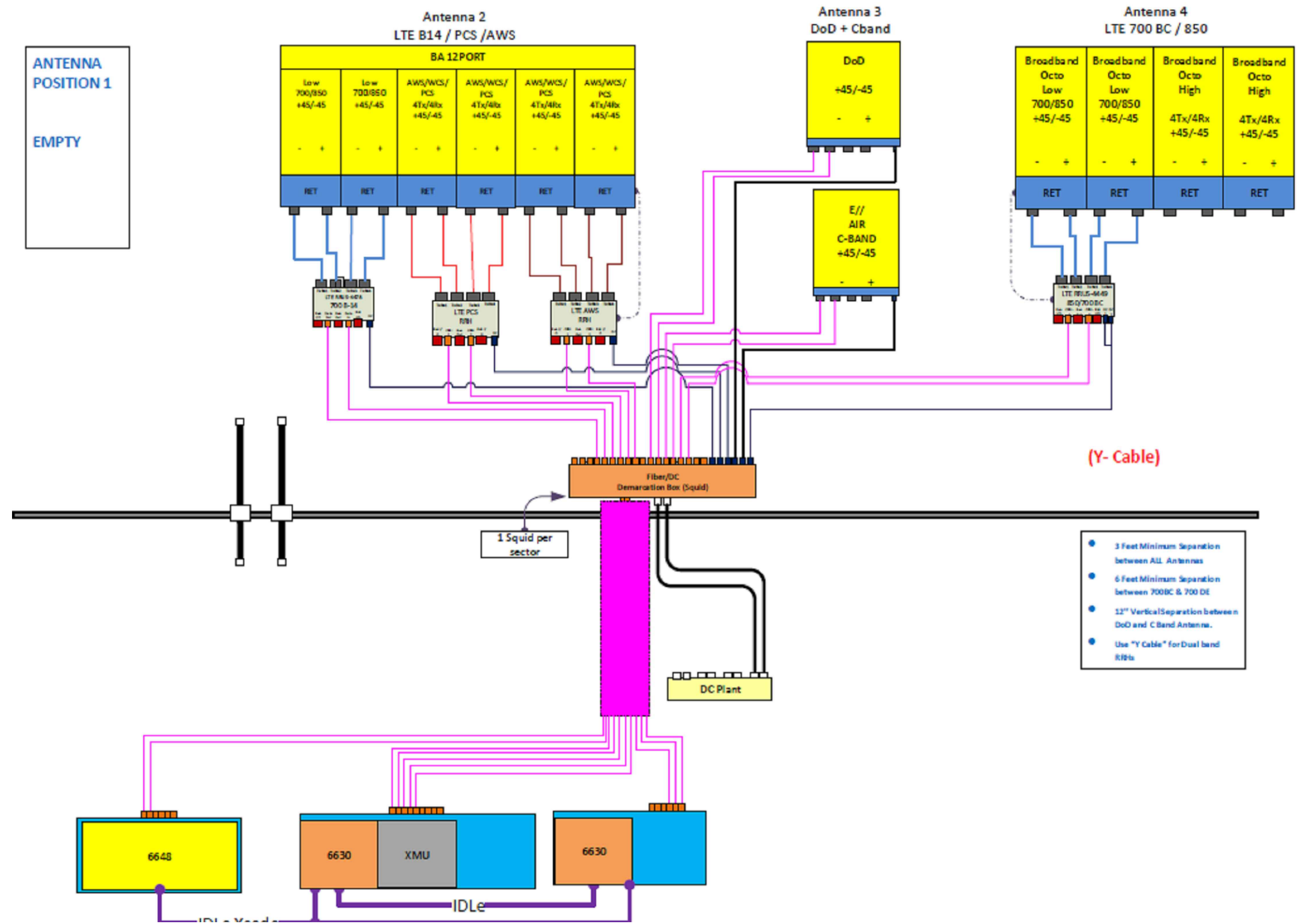
CABLE ENTRY PORTS (HATCH PLATES) (#2 AWG)
GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)
TELCO GROUND BAR
COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2 AWG)
+24V POWER SUPPLY RETURN BAR (#2 AWG)
-48V POWER SUPPLY RETURN BAR (#2 AWG)
RECTIFIER FRAMES.

SECTION "A" - SURGE ABSORBERS

INTERIOR GROUND RING (#2 AWG)
EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2 AWG)
METALLIC COLD WATER PIPE (IF AVAILABLE) (#2 AWG)
BUILDING STEEL (IF AVAILABLE) (#2 AWG)



GROUND BAR - DETAIL (AS REQUIRED)
SCALE: N.T.S.

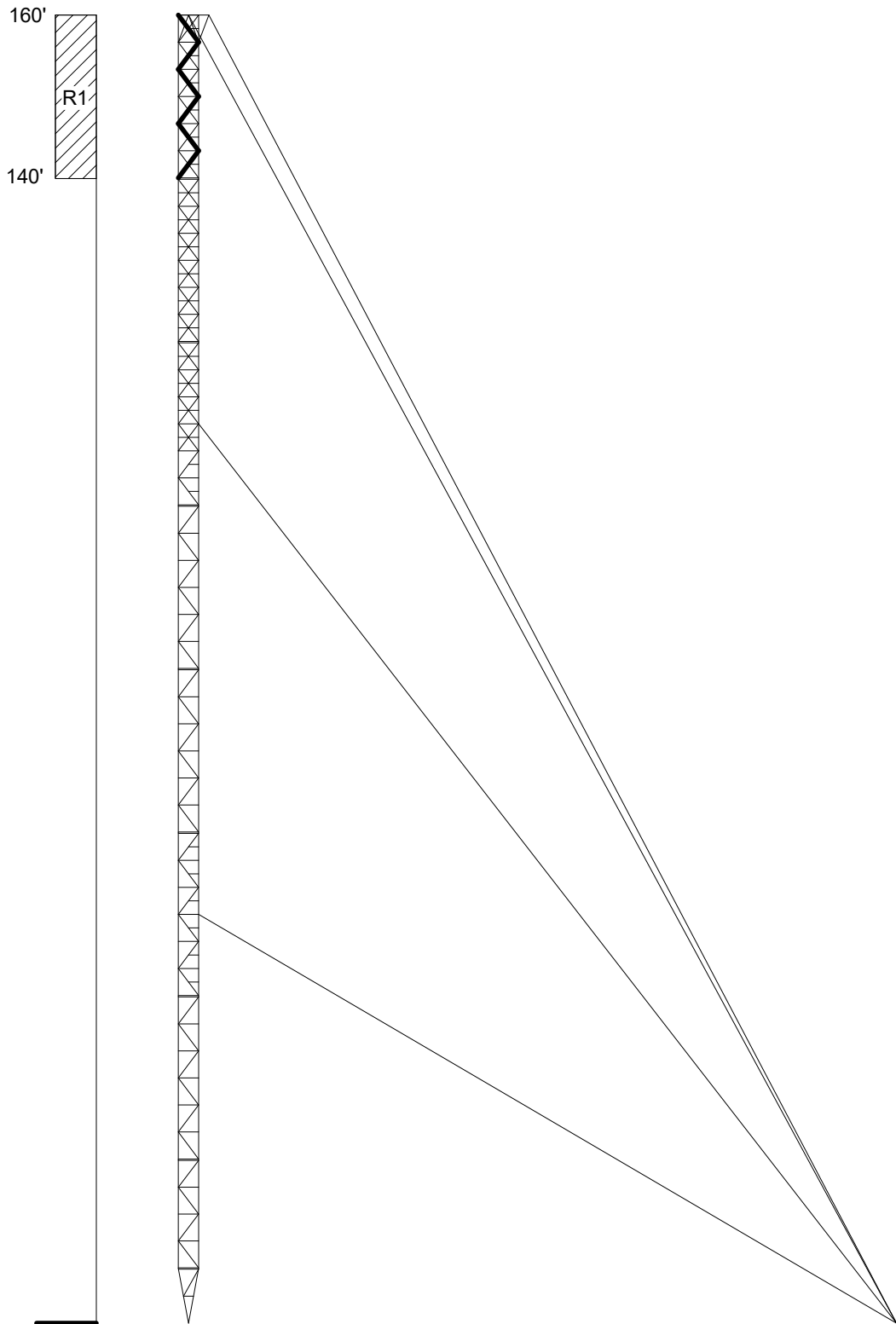


RF PLUMBING DIAGRAM
SCALE: N.T.S

1
RF-1

NOTE:
1. CONTRACTOR TO CONFIRM ALL PARTS.
2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.



- CONTRACTOR NOTES:
1. THE CONTRACTOR COMPLETING THIS WORK SHALL HAVE PRIOR EXPERIENCE WITH THIS LEVEL OF CONSTRUCTION COMPLEXITY.
 2. CONTRACTOR SHALL BUDGET A SITE VISIT TO CHECK CRITICAL DIMENSIONS PRIOR TO MATERIAL ORDERING AND FABRICATION. VIF=VERIFY IN FIELD.
 3. CONTRACTOR SHALL VERIFY THAT NO OBSTRUCTIONS (IE: STEP BOLTS, HAND HOLES, CABLE PORTS, SAFETY CLIMB CABLE ATTACHMENT) WILL HINDER THE PLACEMENT AND LOCATION OF REINFORCING ELEMENTS. ALL OBSTRUCTIONS AND DISCREPANCIES SHALL BE REPORTED TO ARMOR TOWER PRIOR TO CONSTRUCTION.
 4. COMMENCEMENT OF STRUCTURAL STEEL WORK WITHOUT NOTIFYING ENGINEER (ARMOR TOWER) OF ANY DISCREPANCIES WILL BE CONSIDERED ACCEPTANCE OF PRECEDING WORK.
 5. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS & METHODS AS WELL AS PROTECTING EXISTING LINES AND FACILITIES FROM WELDING AND CONSTRUCTION DAMAGE.
 6. STABILITY OF THE TOWER DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY GUYING SHALL BE USED TO MAINTAIN MAST STABILITY DURING RE-GUYING. ARMOR TOWER CAN ASSIST THE CONTRACTOR WITH CLASS IV RIGGING PLANS AS NEEDED.
 7. REINFORCEMENT SEQUENCE SHALL COMMENCE FROM GROUND LEVEL UP.

- FABRICATION AND ASSEMBLY NOTES:
1. ANY INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS REQUIRING REMEDIAL OR CORRECTIVE ACTION SHALL REQUIRE ENGINEER'S REVIEW.
 2. NO UNAUTHORIZED COPEs (NOT SHOWN IN DRAWINGS) ARE PERMITTED. CONTACT ARMOR TOWER FOR GUIDANCE.
 3. NO TOWER MEMBERS OR ASSEMBLY BOLTS SHALL BE LEFT OFF THE TOWER OVER NIGHT.
 4. ALL REINFORCEMENTS SHALL BE IN PLACE PRIOR TO ANTENNA INSTALLATION.
 5. ALL HOLLOW PARTS SHALL HAVE GALVANIZING DRAIN HOLES PROVIDED.
 6. BRACING REPLACEMENT SHALL NOT BE DONE WHEN ANTICIPATED AMBIENT WIND SPEEDS EXCEED 15 MPH.
 7. ANY REQUIRED BRACE REPLACEMENT SHALL BE DONE ONE-AT-A-TIME.

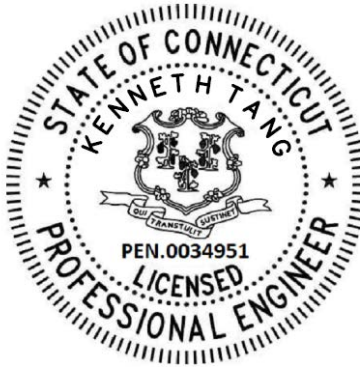
- POST-MODIFICATION INSPECTION:
1. FINAL INSPECTION OF THESE MODIFICATIONS SHALL BE COMPLETED BY AN ENGINEER.
 2. REQUIRED DOCUMENTATION FROM CONTRACTOR:
 - *MATERIAL ORDERS AND MILL CERTIFICATIONS
 - *CONCRETE BATCH TICKETS
 - *CERTIFIED WELDING INSPECTIONS
 - *PHOTOGRAPHIC DOCUMENTATION OF WORK AND COMPLIANCE.

- MATERIAL NOTES:
1. ALL PARTS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION TO ASTM A123 SPECIFICATIONS.
 2. ALL STEEL SHALL BE PAINTED TO MATCH EXISTING COLOR BANDING AFTER INSTALLATION.

THIS REINFORCEMENT DESIGN IS BASED ON DEMANDS FROM THE OCTOBER 2022 ANALYSIS FOR TEP.

R1: CONVERT K-BRACING TO X-BRACING (SEE S-2)

PREPARED FOR:
TEP
NORTHEAST
45 BEECHWOOD DR
NORTH ANDOVER, MA 01845

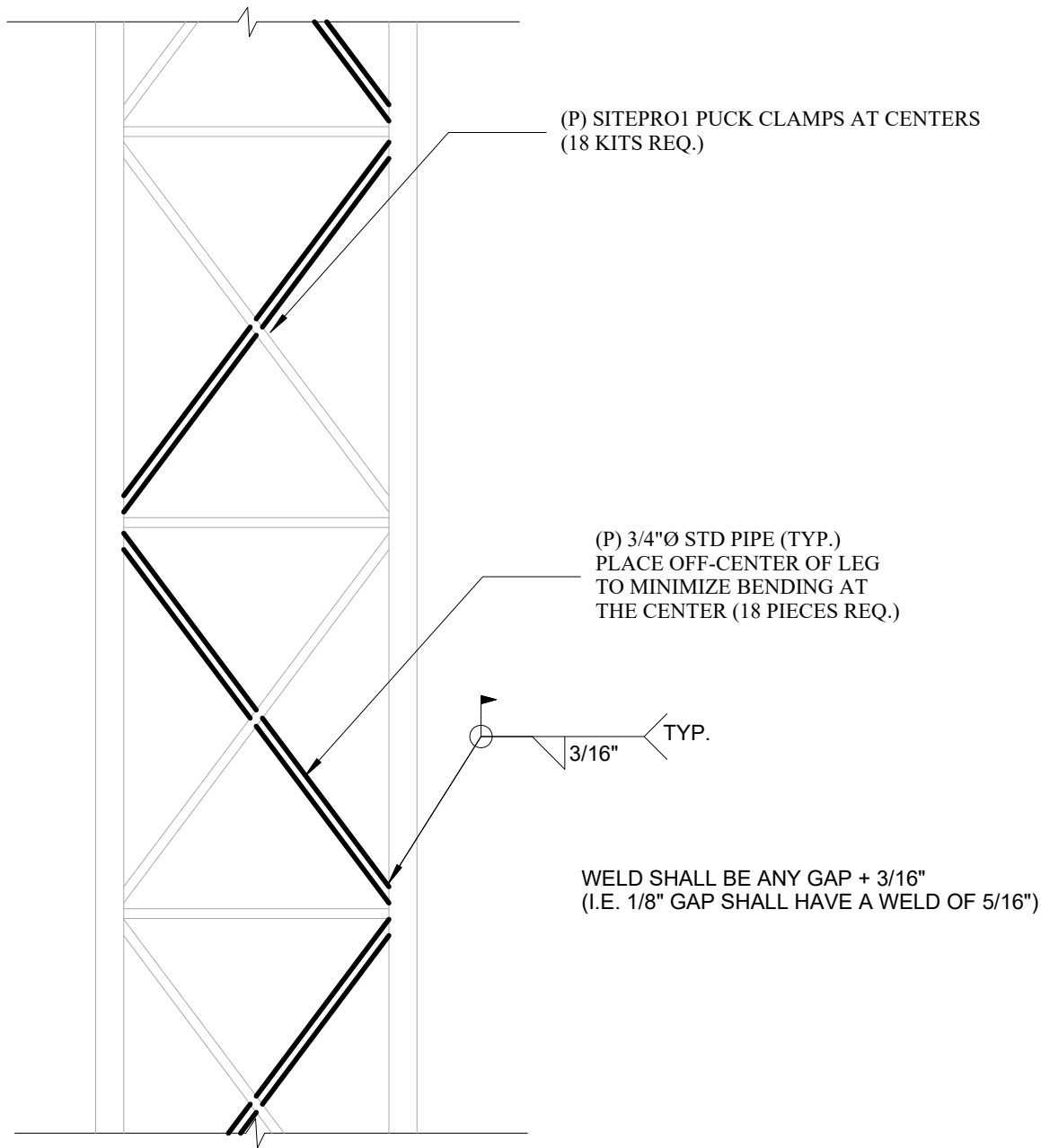


ARMOR
TOWER
ENGINEERING

9 NORTH MAIN ST, FLOOR 2
CORTLAND, NY 13045
PHONE: 607-591-5381
FAX: 866-870-0840

1	30MAR23	INITIAL RELEASE	PEP KT
NO.	DATE	DESCRIPTION	DWG CHK

SITE INFO	
PROSPECT NORTH WATERBURY RD PROSPECT, CT	
SHEET SCALE / UNITS	
NTS ALL DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE	
SHEET TITLE	
REINFORCEMENT	
INTELLECTUAL PROPERTY OF ARMOR TOWER, INC. NOT TO BE COPIED OR REPRODUCED WITHOUT EXPLICIT WRITTEN PERMISSION.	
SHEET #	FILENAME
S-1	23011



- FIELD WELDING NOTES:
- 1. ALL GALVANIZED SURFACES TO BE WELDED SHALL BE GROUND CLEAN OF ZINC AND PAINT PRIOR TO WELDING.
 - 2. ALL FIELD WELDS SHALL BE SPRAY GALVANIZED IMMEDIATELY AFTER CHIPPING.
 - 3. ALL WELDS SHALL BE E7018. ALL WELDING SHALL BE COMPLETED ACCORDING TO AWS D1.1 STRUCTURAL WELDING CODE.
 - 4. ALL FIELD WELDS, HOLES, COPES AND CUT ENDS SHALL BE PROTECTED WITH 2 COATS OF ZINC-RICH PAINT (COLD GALVANIZING). THE FIRST COAT OF ZINC SHALL BE DRY PRIOR TO APPLYING SECOND COAT. SURFACE PREPARATION FOR COLD GALVANIZING SHALL BE PER ASTM A780 SPECIFICATIONS.
 - 5. SPRAY GALVANIZING MATERIAL SHALL BE ZINGA PRODUCT OR EQUIVALENT.
 - 6. MINIMUM FILLET WELD SIZE IS 3/16", UNLESS OTHERWISE SPECIFIED.

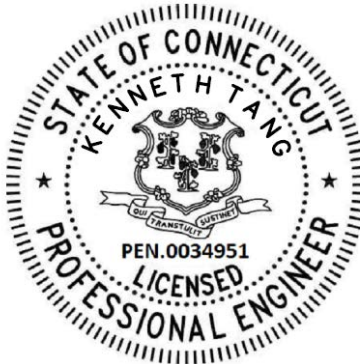
MATERIAL:

PIPE: A53-B-35 x 50" (VIF LENGTH AND CUT)

PREPARED FOR:



45 BEECHWOOD DR
NORTH ANDOVER, MA 01845



9 NORTH MAIN ST, FLOOR 2
CORTLAND, NY 13045
PHONE: 607-591-5381
FAX: 866-870-0840

1	30MAR23	INITIAL RELEASE	PEP KT
NO.	DATE	DESCRIPTION	DWG CHK

SITE INFO	
PROSPECT NORTH WATERBURY RD PROSPECT, CT	
SHEET SCALE / UNITS	
NTS	ALL DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE
SHEET TITLE	
REINFORCEMENT	
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SHEET # S-2	FILENAME 23011

MI CHECKLIST		
Required	Report Item	Description
PRE-CONSTRUCTION		
X	MI Check list drawing	This checklist shall be included in the MI report.
NA	EOR Approved Shop Drawings	Once the pre-modification mapping is complete and prior to fabrication, the contractor shall provide detailed assembly drawings and/or shop drawings. These are to include, but are not limited to, a visual layout of the new reinforcement, existing reinforcement configuration, portholes, mounts, step pegs, safety climbs and other miscellaneous items which may affect successful installation of modifications. These drawings shall be submitted to the EOR for approval. Approved assembly/shop drawings shall be included in the MI report.
NA	Fabrication Inspection	A letter from the fabricator stating that the work was performed in accordance with industry standards and the contract documents. It shall be included in the MI report.
NA	Fabricator Certified Weld Inspection	A CWI shall inspect all welding performed on structural members during fabrication. A written report shall be included in the MI report.
X	Material Test Reports (MTR)	Material test reports shall be provided for material used in construction and shall be included in the MI report.
NA	Fabricator NDE Inspection Report	Critical shop welds that require testing are noted on these contract drawings. A certified NDT Inspector shall perform a Non-Destructive examination and the report included in the MI report.
NA	NDE of Monopole Base Plate	A NDE of the pole to base plate connection is required and a written report shall be included in the MI report
X	Packing Slips / Batch Tickets	The Material shipping lists shall be included in the MI report
Additional Testing and Inspections:		
NA		
CONSTRUCTION		
NA	Foundation Inspections	A visual observation of the excavation, epoxy holes, and placed rebar shall be performed before placing the concrete. A sealed written report shall be included in the MI report.
NA	Concrete comp. strength, slump tests	The concrete mix design, slump tests, and compressive strength tests shall be part of the foundation report.
NA	Earthwork	Foundation sub-grades shall be inspected and approved by an approved foundation inspector and results included in the foundation report.
NA	Micropile/Rock anchors	Micropiles/rock anchors shall be inspected by the foundation inspection vendor and shall be included in the foundation inspection report. Additional testing and/or inspection requirements are noted in these contract documents.
NA	Post-Installed anchor rod verification	Post-installed anchor rod verification shall be performed and a report shall be included in the MI report.
NA	Base Plate grout verification	The general contractor shall provide documentation to the MI inspector that certifies that the grout was removed and/or installed in accordance with contractor documents for inclusion in the MI report.
X	Field Certified Weld Inspection	An AWS certified weld inspector shall inspect and test field welds, in accordance with AWS D1.1/D1.1M: “Structural welding code – steel”. A report shall be provided. NDE of field welds shall be performed as required per contract documents. The NDE report shall be included in the CWI report.
X	On-Site cold galvanizing verification	The general contractor shall provide written and photographic documentation to the MI inspector verifying that any on-site cold galvanizing was applied per manufacturer specifications and applicable standards. The cold galvanizing compound is to be approved by the tower owner.
X	Twist & Plumb, Cable tensions	The general contractor shall provide a report in accordance with applicable standards documenting mast twist and plumb and guy cable tensions.
X	GC As-built documents	The general contractor shall submit a legible copy of the original design drawings either stating “Installed as designed” or noting any changes that were required and approved by the engineer of record. EOR/RFI forms approving all changes shall be submitted when the EOR is specifying additional inspections. Description and applicable standards shall be noted.
Additional Testing and Inspections:		
NA		
POST-CONSTRUCTION		
X	Construction compliance letter	A letter from the general contractor stating that the workmanship was performed in accordance with industry standards and these contract drawings, including listing additional parties to the modification process.
NA	Post-installed anchor rod pull tests	Post-installed anchor rods shall be tested in accordance with contract documents and a report shall be provided indicating testing results.
X	photographs	Photographs shall be included in MI report. Photos shall document all phases of the construction. The photos shall be organized in a manner that easily identifies the exact location of the photo.
NA	Bolt installation and verification report	The MI inspector shall verify the installation and tightness of 10% of all non pre-tensioned bolts installed as part of the modification. The MI inspector shall loosen the nut and verify the bolt hole size and condition. The MI report shall contain the completed bolt installation verification report, including the supporting photographs.
NA	Punchlist development and correction documentation	Final punchlist indicating all nonconformance(s) identified and the final resolution and approval.
NA	MI Inspector redline or record drawings	The MI inspector shall observe and report any discrepancies between the contractor’s redline drawing and the actual completed installation.
Additional Testing and Inspections:		
NA		

MODIFICATION INSPECTION NOTES:
GENERAL:
THE MI IS AN ON-SITE VISUAL AND HANDS-ON INSPECTION OF THE MODIFICATIONS INCLUDING A REVIEW OF CONSTRUCTION REPORTS AND ADDITIONAL PERTINENT DOCUMENTATION PROVIDED BY THE GENERAL CONTRACTOR (GC), AS WELL AS ANY INSPECTION DOCUMENTS PROVIDED BY 3RD PARTY INSPECTORS. THE MI IS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

NO DOCUMENT, CODE OR POLICY CAN ANTICIPATE EVERY SITUATION THAT MAY ARISE. ACCORDINGLY, THIS CHECKLIST IS INTENDED TO SERVE AS A SOURCE OF GUIDING PRINCIPLES IN ESTABLISHING GUIDELINES FOR MODIFICATION INSPECTION.

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. THE MI INSPECTOR DOES NOT TAKE OWNERSHIP OF THE MODIFICATION DESIGN, OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES. THE MI INSPECTOR SHALL INSPECT AND NOTE CONFORMANCE/NONCONFORMANCE AND PROVIDE THE TOWER OWNER POINT OF CONTACT FOR EVALUATION.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. IF CONTACT INFORMATION IS NOT KNOWN, THE GC AND/OR INSPECTOR SHALL CONTACT THE OWNER POINT OF CONTACT.

- SERVICE LEVEL COMMITMENT:
THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:
1. THE GC SHALL PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
 2. THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
 3. WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING PERATIONS.
 4. WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING MI TO HAVE ANY MINOR DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

REQUIRED PHOTOS:
BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:
* PRE-CONSTRUCTION GENERAL SITE CONDITION
* PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
** RAW MATERIALS
** PHOTOS OF ALL CRITICAL DETAILS
** FOUNDATION MODIFICATIONS
** WELD PREPARATION
** BOLT INSTALLATION
** FINAL INSTALLED CONDITION
** SURFACE COATING REPAIR

* POST CONSTRUCTION PHOTOGRAPHS
** FINAL INFIELD CONDITION
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL NOT BE CONSIDERED ADEQUATE OR SUFFICIENT.



45 BEECHWOOD DR
NORTH ANDOVER, MA 01845



9 NORTH MAIN ST, FLOOR 2
CORTLAND, NY 13045
PHONE: 607-591-5381
FAX: 866-870-0840

1	31MAR23	INITIAL RELEASE	PEP KT
NO.	DATE	DESCRIPTION	DWG CHK

SITE INFO

PROSPECT NORTH
WATERBURY RD
PROSPECT, CT

SHEET SCALE / UNITS

NTS ALL DIMENSIONS IN INCHES
UNLESS NOTED OTHERWISE

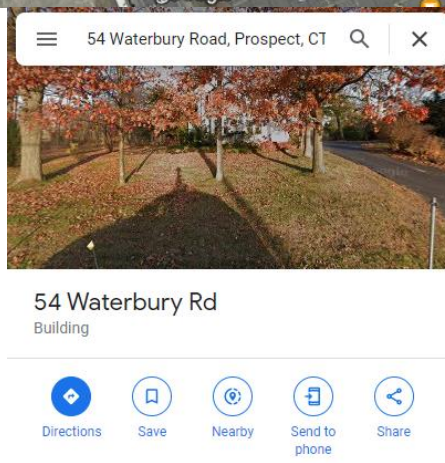
SHEET TITLE

MI CHECK LIST

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NOT TO BE COPIED OR REPRODUCED
WITHOUT EXPLICIT WRITTEN PERMISSION.

SHEET # S-3	FILENAME 22012
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EXHIBIT 2



54 Waterbury Rd, Prospect, CT 06712

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2020.



www.townofprospect.org

Information on the Property Records for the Municipality of Prospect was last updated on 1/11/2023.



Parcel Information

Location:	54 WATERBURY RD	Property Use:	Residential	Primary Use:	Residential
Unique ID:	B0032700	Map Block Lot:	109 160 54	Acres:	1.9000
490 Acres:	0.00	Zone:	B	Volume / Page:	40/ 413
Developers Map / Lot:		Census:	3471		

Value Information

	Appraised Value	Assessed Value
Land	106,722	74,710
Buildings	115,333	80,730
Detached Outbuildings	314,919	220,440
Total	536,974	375,880

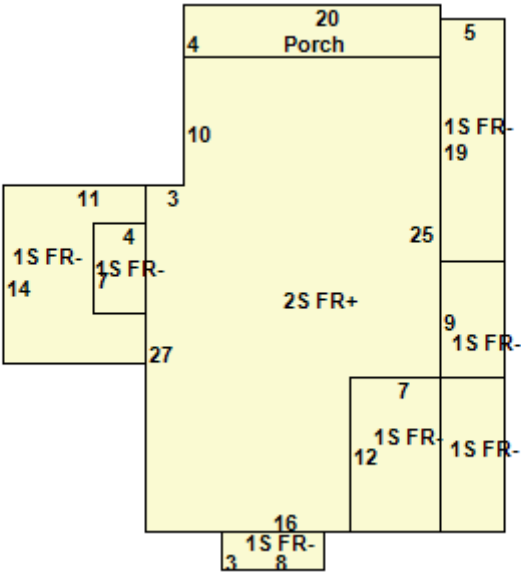
Owner's Information

Owner's Data

BRADSHAW CHARLES E & AVERYLL B
54 WATERBURY RD
PROSPECT, CT 06712

Building 1





Building Use:	Single Family	Style:	Colonial	Living Area:	1,964
Stories:	2.00	Construction:	Wood Frame	Year Built:	1850
Total Rooms:	9	Bedrooms:	2	Full Baths:	2
Half Baths:	0	Fireplaces:	0	Heating:	Hot Water
Fuel:	Natural Gas	Cooling Percent:	0	Basement Area:	737
Basement Finished Area:	0	Basement Garages:	0	Roof Material:	
Siding:	Aluminum	Units:	w/ Accessory Apt		

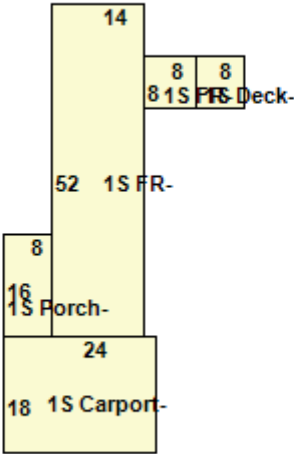
Special Features

Extra Fixtures	2
Fireplace	1
Generator	1

Attached Components

Type:	Year Built:	Area:
Open Porch	1850	80

Building 2



Building Use:	Single Family	Style:	Mobile Home	Living Area:	792
Stories:	1.00	Construction:	Wood Frame	Year Built:	1977

Total Rooms:	4	Bedrooms:	1	Full Baths:	1
Half Baths:	0	Fireplaces:	0	Heating:	Forced Hot Air
Fuel:	Oil	Cooling Percent:	100	Basement Area:	0
Basement Finished Area:	0	Basement Garages:	0	Roof Material:	
Siding:	Aluminum	Units:			

Special Features

Extra Fixtures	1
----------------	---

Attached Components

Type:	Year Built:	Area:
Frame Carport	1998	432
Wood Deck	2010	64
Open Porch	1977	128

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
1.75 Garage	1963	0.00	0.00	748
Plastic/Frame Greenhouse	1963	0.00	0.00	50
Frame Shed	1963	0.00	0.00	306
Cell Tower	1988	0.00	0.00	1

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
BRADSHAW CHARLES E & AVERYLL B	0040	0413	07/14/1966	Quit Claim	\$0

Building Permits

Permit Number	Permit Type	Date Opened	Reason
22-130E	Electrical	08/26/2022	REPLACE WITH NEW 22KW GENERATOR
21 130B	Outbuilding/Yard Item	05/24/2021	INSTALL 4' X 10' CONCRETE PAD FOR EMERGENCY GENERATOR
7734	Commercial	03/03/2017	UPGRADE ANTENNA ON TOWER INSTALL (3) ANTENNAS & (3) NEW REMOTE RADIO
7728	Commercial	02/01/2017	REPLACE 3 ANTENNAS & 3 REMOTE RADION UNITS & INSTALL 4 STRUCTUAL BARS
7367	Commercial	08/31/2015	REPLACING EXISTING ANTENNAS & ADDING REMOTE RADIO HEADS
7358	Commercial	08/20/2015	UPGRADE TO SPRINTS EXISTING COMMUNICATION EQUIPMENT
7100	Commercial	08/07/2014	ADD (3) ANTENNAS & REMOTE RADIO HEADS TO EXISTING TOWER
7003	Comm Renovations	03/18/2014	REPLACE (2) EXISTING ANTENNAE WITH (2) NEW (3) NEW TMAS ADD 2 LINES (COAX)
6860	Electrical	07/02/2013	SWAP OUT 3 OF 12 EXISTING ANTENNAE W/NEW ONES NO CHANGE TO GROUND SPACE
6639	Electrical	08/08/2012	REPLACE (2)ANTENNAS ADD(4) TO EXISTING GUYEDTOWER ADD EQUIP EXISTING SHELTER
6440	Electrical	09/20/2011	REPLACE 10 ANTENNAS

Information Published With Permission From The Assessor

EXHIBIT 3



Reinforcement Design of a 160 ft Guyed Tower

Site Number: AT&T FA10035230

Site Name: Prospect Bradshaw Tower

County: New Haven

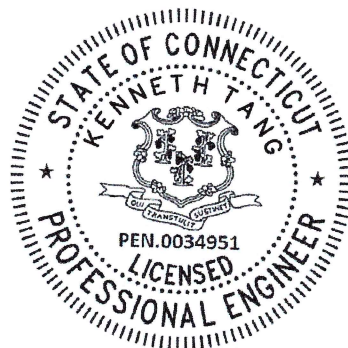
Location: Waterbury Rd, Prospect, CT

Checked By:

A handwritten signature in blue ink that reads "Patrick Botimer".

Patrick Botimer

Structural Design Engineer V



Kenneth K
Tang

Digitally signed by
Kenneth K Tang
Date: 2023.03.31
11:07:23 -07'00'



45 Beechwood Dr

North Andover, MA 01845

March 2023



March 31, 2023

Andrey Tsikanovsky
TEP Northeast
45 Beechwood Drive
North Andover, MA 01845

RE: AT&T – FA10035230 – Prospect Bradshaw Twr
54 Waterbury Rd, Prospect, CT 06712

Andrey:

We have completed the revised modification design of the subject tower. The tower was analyzed according to the code wind and ice parameters outlined in the *Code Requirements Table* following this letter.

The subject tower is a 160' guyed tower consisting of all-welded sections with pipe legs and pipe bracing. The tower has been previously reinforced. This design assumes that the structure modifications outlined in our December 2022 design for Verizon Wireless have been installed properly. Tower face dimension is 30" the full height above an 80" tapered base. The tower mast is laterally supported by three levels of guying attached to one set of three guy anchors. Foundation capacities were based on a foundation investigation completed by our office and site-observed soil characteristics.

The loading used in the analysis consisted of the existing antennas/lines as well as the following for AT&T at 126' on (3) proposed 14' antenna frames:

- (3) TPA65R-BU8DA-K antennas, (3) AIR6419 B77G antennas, (3) AIR6449 N77D antennas, (3) DMP65R-BU8DA antennas
- (3) RRUS 4478 B14, (3) RRUS-32 B2, (3) RRUS 4426 B66, (3) RRUS 4449 B5/B12
- (1) Raycap DC6-48-60-8F (2) Raycap DC6-48-60-8C-EV
- (6) 1-1/4" coax stacked (6) DC cables, (3) fiber cables

The scope of reinforcement, as shown in drawing 22012, includes the following:

- Weld additional diagonals to tower to convert K-bracing to X-bracing from 140'-160'

A synopsis of the analysis results is as follows:

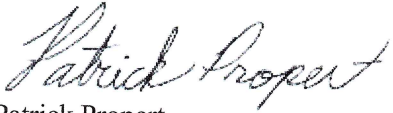
- Tower legs: 76%
- Bracing: 92%
- Guy cables 82%
- Guy anchors: 96%
- Foundation 99%

With the reinforcements properly install, the tower and foundation will have adequate capacity to support the proposed loading. We recommend a post-construction inspection be completed by a structural engineer to document that tower-mounted equipment and structure modifications have been placed in compliance with the requirements of this analysis. For a detailed listing of the tower's post-reinforcement performance, please see pages 11 and 13 of the calculations

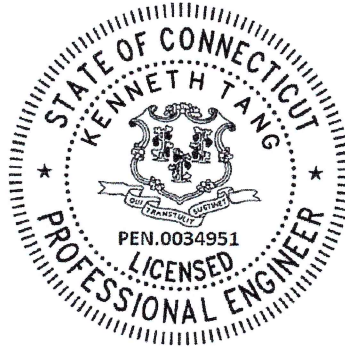
We appreciate the opportunity to provide our professional services to TEP Northeast and AT&T, and if you have any questions concerning this analysis, please contact us.

Sincerely,

ARMOR TOWER, INC.



Patrick Propert
Structural Design Engineer III



Kenneth K
Tang

Digitally signed by
Kenneth K Tang
Date: 2023.03.31
11:07:59 -07'00'

CODE REQUIREMENTS

Governing code:	2022 CT Building Code
Code basis/adoption:	2021 International Building Code
Referenced standard:	ANSI/TIA 222-H
Basic wind speed: (3-sec. gust):	V _{ult} : 118 mph with no ice 40 mph with 1" concurrent ice
County of site location:	New Haven
ASCE 7 Special wind region:	No
Structure/Risk Category:	II
Exposure Category:	C
Topographic Category:	1 - no topographic escalation
Crest Height/Tower Base AMSL Elevation:	0 ft/ 872 ft
Site Spectral Response:	S _s =0.197, S ₁ =0.054

Source Documents Referenced for Analysis		
Document	Source	Date of Document
Previous Reinforcement Design	Bay State	January 2011
Reinforcement Design	Armor Tower	Dec 2022
Prior Analysis	Armor Tower	November 2021
	Trylon	October 2016
Foundation Investigation	Armor Tower	March 2022
RF Design	Centerline/Hudson CDs	October 2022

PRIMARY ASSUMPTIONS CONSIDERED IN THIS PROJECT

1. Leg A is assumed to be oriented North.
2. Allowable steel stresses are defined by AISC-LRFD-99/360-16 and all welds conform to AWS D1.1 specification.
3. If reserved antennas/feed lines by other carriers or the tower owner are to be considered in this analysis, it is the responsibility of TEP and its affiliates to provide this information.
4. Any deviation from the analyzed antenna loading will require a re-analysis of the tower for verification of structural integrity. This analysis has considered the proposed feed lines to be located as shown on drawing E-7.
5. This analysis assumes all tower members are galvanized adequately to prevent corrosion of the steel and that all tower members are in "like new" condition with no physical deterioration. This analysis also assumes the tower has been maintained properly per TIA 222-H Annex J recommended inspection and maintenance procedures for tower owners and is in a plumb condition.

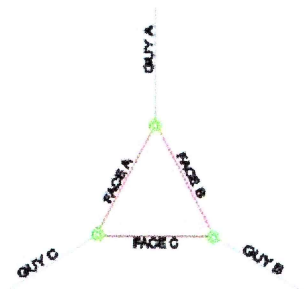


EXHIBIT 4

April 21, 2023 (Rev.1)
February 22, 2022



Centerline Communications
750 West Center Street, Suite #301
West Bridgewater, MA 02379

RE: AT&T Site Number: CT2218 (C-Band)
 FA Number: 10035230
 PACE Number: MRCTB056360
 PT Number: 2051A11MSN
 TEP Project Number: 317827.754243
 AT&T Site Name: PROSPECT BRADSHAW TWR
 Site Address: 54 Waterbury Road
 Prospect, CT 06712

To Whom It May Concern:

TEP Northeast (TEP NE) has been authorized by Centerline Communications to perform a mount analysis on the proposed AT&T antenna/RRH mounts to determine their capability of supporting the following additional loading:

- (3) RRUS-32 B2 RRH's (27.2"x12.1"x7.0" – Wt. = 60 lbs. /each)
- (1) DC6-48-60-18-8F Surge Arrestor (31.4"x10.2" Ø – Wt. = 29 lbs. /each) (tower mounted)
- **(1) TPA65R-BU8DA-K Antenna (96.0"x20.7"x7.7" – Wt. = 87 lbs. /each)**
- **(2) TPA65R-BU6DA-K Antennas (71.2"x20.7"x7.7" – Wt. = 69 lbs. /each)**
- **(3) AIR6419 Antennas (31.0"x16.1"x7.3" – Wt. = 66 lbs. /each)**
- **(3) AIR6449 Antennas (30.6"x15.9"x10.6" – Wt. = 82 lbs. /each)**
- **(1) DMP65R-BU8DA Antenna (96.0"x20.7"x7.7" – Wt. = 96 lbs. /each)**
- **(2) DMP65R-BU6DA Antennas (71.2"x20.7"x7.7" – Wt. = 80 lbs. /each)**
- **(3) 4478 B14 RRH's (18.1"x13.4"x8.3" – Wt. = 60 lbs. /each)**
- **(3) 4426 B66 RRH's (14.9"x13.2"x5.8" – Wt. = 49 lbs. /each)**
- **(3) 4449 B5/B12 RRH's (17.9"x13.2"x9.4" – Wt. = 73 lbs. /each)**
- **(2) DC6-48-60-18-8C-EV Surge Arrestors (31.4"x10.2" Ø – Wt. = 29 lbs. /each) (tower mounted)**

**Proposed equipment shown in bold*

Mount fabrication drawings prepared by SitePro1, P/N VFA14-H10-2120, dated December 7, 2020, were used to perform this analysis. ProVertic LLC performed a survey climb and mapping of the existing AT&T antenna mounts on February 15, 2022.

Mount Analysis Methods:

- This analysis was conducted in accordance with EIA/TIA-222-H, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures, the International Building Code 2021 with 2022 Connecticut State Building Code, and AT&T Mount Technical Directive – R22.
- TEP NE considers this mount to be asymmetrical and has applied wind loads in 30 degree increments all around the mount. Per TIA-222-H and Appendix P of the Connecticut State Building Code, the max basic wind speed for this site is equal to 120 mph with a max basic wind speed with ice of 50 mph and a max ice thickness of 1.0 in. An escalated ice thickness of 1.14 in was used for this analysis.
- TEP NE considers this site to be exposure category C; tower is located near large, flat, open, terrain/grasslands.
- TEP NE considers this site to be topographic category 1; tower is located on flat terrain or the bottom of a hill or ridge.
- TEP NE considers this site to have a spectral response acceleration parameter at short periods, S_s , of 0.197 and a spectral response acceleration parameter at a period of 1 second, S_1 , of 0.054.
- The mount has been analyzed with load combinations consisting of 500 lbs live load using a service wind speed of 30 mph wind on the worst case antenna. Analysis performed on each antenna pipe to determine worst case location; worst case location was antenna position 4.
- The mount has been analyzed with load combinations consisting of a 250 lbs live load in a worst case location on the mount.
- The existing mount is secured to the existing self supporting tower with threaded rods and steel plates tightened around the tower leg. TEP NE considers the threaded rods as the governing connection members.

Based on our evaluation, we have determined that the Proposed SitePro1 P/N VFA14-H10-2120 mounts **ARE CAPABLE** of supporting the proposed installation.

	Component	Controlling Load Case	Stress Ratio	Pass/Fail
Proposed (C-Band) Mount Rating	9	LC83	58%	PASS

Reference Documents:

- Fabrication drawings prepared by SitePro1, P/N VFA14-H10-2120, dated December 7, 2020.

This determination was based on the following limitations and assumptions:

1. TEP NE is not responsible for any modifications completed prior to and hereafter which TEP NE was not directly involved.
2. All structural members and their connections are assumed to be in good condition and are free from defects with no deterioration to its member capacities.
3. All antennas, coax cables and waveguide cables are assumed to be properly installed and supported as per the manufacturer's requirements.
4. The proposed mount has been adequately secured to the tower structure per the mount manufacturer's specifications.
5. All components pertaining to AT&T's mounts must be tightened and re-plumbed prior to the installation of new appurtenances.
6. TEP NE performed a localized analysis on the mount itself and not on the supporting tower structure.

Please feel free to contact our office should you have any questions.

Respectfully Submitted,
TEP Northeast



Michael Cabral
Director



Daniel P. Hamm, PE
Vice President

EXHIBIT 5



Radio Frequency Exposure Analysis Report

April 28, 2023

Centerline on behalf of AT&T

Site Name: Prospect Bradshaw TWR

Site Number: CTL02218

FA#: 10035230

USID: 61203

Site Address: 54 Waterbury Road, Prospect, CT 06712



Michael Fischer, P.E.

Registered Professional Engineer (Electrical)

Connecticut License Number 33928

Expires January 31, 2024

Signed 28 April 2023

Site Compliance Summary

AT&T Compliance Status:	Compliant
Cumulative Calculated Power Density (Ground Level):	1.76933 $\mu\text{W}/\text{cm}^2$
Cumulative General Population % MPE (Ground Level):	0.22402%
Cumulative Calculated Power Density (21' Adjacent Rooftop Level):	2.57318 $\mu\text{W}/\text{cm}^2$
Cumulative General Population % MPE (21' Adjacent Rooftop Level):	0.32512%



April 28, 2023

Centerline
Attn: Ryan Burgdorfer, Site Acquisition Project Manager
750 W Center St, Suite 301
West Bridgewater, MA 02379

RF Exposure Analysis for Site: **Prospect Bradshaw TWR**

Centerline Communications, LLC ("Centerline") was contracted to analyze the proposed AT&T facility at **54 Waterbury Road, Prospect, CT 06712** for the purpose of determining whether the predictive exposure from the proposed facility is within specified federal limits.

All information used in this report was analyzed as a percentage of the Maximum Permissible Exposure (% MPE) limits as detailed in 47 CFR § 1.1310 as well as Federal Communications Commission (FCC) OET Bulletin 65 Edition 97-01. The FCC MPE limits are typically expressed in units of milliwatts per square centimeter (mW/cm^2) or microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The exposure limits vary depending upon the frequencies being utilized. The General Population/Uncontrolled MPE limit (in mW/cm^2) for frequencies between 300 and 1500 is defined as frequency (in MHz) divided by 1500 ($f_{\text{MHz}}/1500$). Frequencies between 1500 and 100,000 MHz have a General Population/Uncontrolled MPE limit of $1 \text{ mW}/\text{cm}^2$ ($1000 \mu\text{W}/\text{cm}^2$). The calculated power density at each sample point divided by the limit at each calculated frequency provides a result in % MPE. Summing the calculated % MPE from all contributors provides a cumulative % MPE at a particular sample point. Wireless carriers use different frequency bands with varying MPE limits; therefore, it is useful to report results in terms of % MPE as opposed to power density.

All results were compared to the FCC radio frequency exposure rules as detailed in 47 CFR § 1.1307(b) to determine compliance with the MPE limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits, as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. Additional details can be found in FCC OET 65.



Calculation Methodology

Centerline Communications, LLC has performed theoretical modeling of the site using a software tool, RoofMaster®, which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster® uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster® implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster® calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.



Data & Results

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster® to perform the theoretical exposure calculations at ground level and the adjacent 21' building.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level and the adjacent 21' building (0-6' spatial average). The results from highest cumulative sample point at ground level and the adjacent 21' building surrounding the site are displayed in the table below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table(s) below. The cumulative power density and cumulative % MPE are displayed at the bottom of the table(s) below.



**Maximum Calculated Cumulative Power Density @ Ground Level
(approximately 17' South of site)**

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density ($\mu\text{W}/\text{cm}^2$)	General Population MPE Limit ($\mu\text{W}/\text{cm}^2$)	General Population % MPE
AT&T A 1	CCI TPA65R-BU8D	700	12.95	126.00	4.00	30.00	2366.91	0.00034	466.67	0.00007
AT&T A 1	CCI TPA65R-BU8D	1900	15.15	126.00	4.00	30.00	3928.09	0.00009	1000.00	0.00001
AT&T A 1	CCI TPA65R-BU8D	2100	15.85	126.00	4.00	45.00	6922.65	0.00006	1000.00	0.00001
AT&T A 2	ERICSSON SON_AIR6449	3700	23.55	124.20	1.00	54.22	12278.90	0.00978	1000.00	0.00098
AT&T A 3	ERICSSON SON_AIR6419	3450	23.55	127.75	1.00	54.22	12278.90	0.00913	1000.00	0.00091
AT&T A 4	CCI DMP65R-BU8D	700	12.25	126.00	4.00	30.00	2014.56	0.00013	466.67	0.00003
AT&T A 4	CCI DMP65R-BU8D	850	12.55	126.00	4.00	30.00	2158.65	0.00010	566.67	0.00002
AT&T B 5	CCI TPA65R-BU6D	700	11.75	126.00	4.00	30.00	1795.48	0.07780	466.67	0.01667
AT&T B 5	CCI TPA65R-BU6D	1900	15.05	126.00	4.00	30.00	3838.67	0.08418	1000.00	0.00842
AT&T B 5	CCI TPA65R-BU6D	2100	15.95	126.00	4.00	45.00	7083.90	0.12756	1000.00	0.01276
AT&T B 6	ERICSSON SON_AIR6449	3700	23.55	124.20	1.00	54.22	12278.90	0.46264	1000.00	0.04626
AT&T B 7	ERICSSON SON_AIR6419	3450	23.55	127.75	1.00	54.22	12278.90	0.43177	1000.00	0.04318
AT&T B 8	CCI DMP65R-BU6D	700	11.35	126.00	4.00	30.00	1637.50	0.08391	466.67	0.01798
AT&T B 8	CCI DMP65R-BU6D	850	11.45	126.00	4.00	30.00	1675.64	0.07348	566.67	0.01297
AT&T C 9	CCI TPA65R-BU6D	700	11.75	126.00	4.00	30.00	1795.48	0.00002	466.67	0.00000
AT&T C 9	CCI TPA65R-BU6D	1900	15.05	126.00	4.00	30.00	3838.67	0.00001	1000.00	0.00000
AT&T C 9	CCI TPA65R-BU6D	2100	15.95	126.00	4.00	45.00	7083.90	0.00009	1000.00	0.00001
AT&T C 10	ERICSSON SON_AIR6449	3700	23.55	124.20	1.00	54.22	12278.90	0.00260	1000.00	0.00026
AT&T C 11	ERICSSON SON_AIR6419	3450	23.55	127.75	1.00	54.22	12278.90	0.00242	1000.00	0.00024
AT&T C 12	CCI DMP65R-BU6D	700	11.35	126.00	4.00	30.00	1637.50	0.00012	466.67	0.00003
AT&T C 12	CCI DMP65R-BU6D	850	11.45	126.00	4.00	30.00	1675.64	0.00018	566.67	0.00003
Unknown A 13	GENERIC OMNI	450	5.96	165.00	1.00	25.00	98.61	0.00112	300.00	0.00037
Unknown A 14	GENERIC OMNI	450	5.96	165.00	1.00	25.00	98.61	0.00112	300.00	0.00037
Unknown A 15	GENERIC OMNI	850	8.96	166.00	1.00	12.70	99.95	0.00046	566.67	0.00008
T-Mobile A 16	GENERIC PANEL 6FT	1900	15.84	145.00	2.00	60.00	4604.49	0.00065	1000.00	0.00007
T-Mobile A 16	GENERIC PANEL 6FT	2100	16.39	145.00	2.00	60.00	5226.14	0.00025	1000.00	0.00003
T-Mobile A 17	GENERIC PANEL 6FT	600	12.33	145.00	2.00	60.00	2052.02	0.00185	400.00	0.00046
T-Mobile A 17	GENERIC PANEL 6FT	700	12.33	145.00	2.00	60.00	2052.02	0.00185	466.67	0.00040
T-Mobile B 18	GENERIC PANEL 6FT	1900	15.84	145.00	2.00	60.00	4604.49	0.03952	1000.00	0.00395
T-Mobile B 18	GENERIC PANEL 6FT	2100	16.39	145.00	2.00	60.00	5226.14	0.04623	1000.00	0.00462
T-Mobile B 19	GENERIC PANEL 6FT	600	12.33	145.00	2.00	60.00	2052.02	0.03802	400.00	0.00950



Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density ($\mu\text{W}/\text{cm}^2$)	General Population MPE Limit ($\mu\text{W}/\text{cm}^2$)	General Population % MPE
T-Mobile B 19	GENERIC PANEL 6FT	700	12.33	145.00	2.00	60.00	2052.02	0.03802	466.67	0.00815
T-Mobile C 20	GENERIC PANEL 6FT	1900	15.84	145.00	2.00	60.00	4604.49	0.00003	1000.00	0.00000
T-Mobile C 20	GENERIC PANEL 6FT	2100	16.39	145.00	2.00	60.00	5226.14	0.00000	1000.00	0.00000
T-Mobile C 21	GENERIC PANEL 6FT	600	12.33	145.00	2.00	60.00	2052.02	0.00005	400.00	0.00001
T-Mobile C 21	GENERIC PANEL 6FT	700	12.33	145.00	2.00	60.00	2052.02	0.00005	466.67	0.00001
Verizon A 22	GENERIC PANEL 6FT	850	12.62	135.00	4.00	40.00	2924.96	0.00003	566.67	0.00000
Verizon A 23	GENERIC PANEL 6FT	1900	15.84	135.00	4.00	40.00	6139.32	0.00004	1000.00	0.00000
Verizon A 24	GENERIC PANEL 6FT	2100	16.39	135.00	4.00	40.00	6968.19	0.00003	1000.00	0.00000
Verizon A 25	GENERIC PANEL 6FT	700	12.33	135.00	4.00	40.00	2736.02	0.00009	466.67	0.00002
Verizon B 26	GENERIC PANEL 6FT	850	12.62	135.00	4.00	40.00	2924.96	0.06041	566.67	0.01066
Verizon B 27	GENERIC PANEL 6FT	1900	15.84	135.00	4.00	40.00	6139.32	0.06621	1000.00	0.00662
Verizon B 28	GENERIC PANEL 6FT	2100	16.39	135.00	4.00	40.00	6968.19	0.04337	1000.00	0.00434
Verizon B 29	GENERIC PANEL 6FT	700	12.33	135.00	4.00	40.00	2736.02	0.06154	466.67	0.01319
Verizon C 30	GENERIC PANEL 6FT	850	12.62	135.00	4.00	40.00	2924.96	0.00034	566.67	0.00006
Verizon C 31	GENERIC PANEL 6FT	1900	15.84	135.00	4.00	40.00	6139.32	0.00049	1000.00	0.00005
Verizon C 32	GENERIC PANEL 6FT	2100	16.39	135.00	4.00	40.00	6968.19	0.00020	1000.00	0.00002
Verizon C 33	GENERIC PANEL 6FT	700	12.33	135.00	4.00	40.00	2736.02	0.00095	466.67	0.00020
							Cumulative Power Density:	1.76933 $\mu\text{W}/\text{cm}^2$	Cumulative % MPE:	0.22402%



Maximum Calculated Cumulative Power Density @ Adjacent 21' Roof Level
(approximately 14' South of site)

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density ($\mu\text{W}/\text{cm}^2$)	General Population MPE Limit ($\mu\text{W}/\text{cm}^2$)	General Population % MPE
AT&T A 1	CCI TPA65R-BU8D	700	12.95	126.00	4.00	30.00	2366.91	0.00050	466.67	0.00011
AT&T A 1	CCI TPA65R-BU8D	1900	15.15	126.00	4.00	30.00	3928.09	0.00014	1000.00	0.00001
AT&T A 1	CCI TPA65R-BU8D	2100	15.85	126.00	4.00	45.00	6922.65	0.00009	1000.00	0.00001
AT&T A 2	ERICSSON SON_AIR6449	3700	23.55	124.20	1.00	54.22	12278.90	0.01444	1000.00	0.00144
AT&T A 3	ERICSSON SON_AIR6419	3450	23.55	127.75	1.00	54.22	12278.90	0.01328	1000.00	0.00133
AT&T A 4	CCI DMP65R-BU8D	700	12.25	126.00	4.00	30.00	2014.56	0.00019	466.67	0.00004
AT&T A 4	CCI DMP65R-BU8D	850	12.55	126.00	4.00	30.00	2158.65	0.00015	566.67	0.00003
AT&T B 5	CCI TPA65R-BU6D	700	11.75	126.00	4.00	30.00	1795.48	0.11425	466.67	0.02448
AT&T B 5	CCI TPA65R-BU6D	1900	15.05	126.00	4.00	30.00	3838.67	0.12361	1000.00	0.01236
AT&T B 5	CCI TPA65R-BU6D	2100	15.95	126.00	4.00	45.00	7083.90	0.18745	1000.00	0.01875
AT&T B 6	ERICSSON SON_AIR6449	3700	23.55	124.20	1.00	54.22	12278.90	0.68298	1000.00	0.06830
AT&T B 7	ERICSSON SON_AIR6419	3450	23.55	127.75	1.00	54.22	12278.90	0.62821	1000.00	0.06282
AT&T B 8	CCI DMP65R-BU6D	700	11.35	126.00	4.00	30.00	1637.50	0.12343	466.67	0.02645
AT&T B 8	CCI DMP65R-BU6D	850	11.45	126.00	4.00	30.00	1675.64	0.10794	566.67	0.01905
AT&T C 9	CCI TPA65R-BU6D	700	11.75	126.00	4.00	30.00	1795.48	0.00002	466.67	0.00001
AT&T C 9	CCI TPA65R-BU6D	1900	15.05	126.00	4.00	30.00	3838.67	0.00001	1000.00	0.00000
AT&T C 9	CCI TPA65R-BU6D	2100	15.95	126.00	4.00	45.00	7083.90	0.00013	1000.00	0.00001
AT&T C 10	ERICSSON SON_AIR6449	3700	23.55	124.20	1.00	54.22	12278.90	0.00383	1000.00	0.00038
AT&T C 11	ERICSSON SON_AIR6419	3450	23.55	127.75	1.00	54.22	12278.90	0.00353	1000.00	0.00035
AT&T C 12	CCI DMP65R-BU6D	700	11.35	126.00	4.00	30.00	1637.50	0.00017	466.67	0.00004
AT&T C 12	CCI DMP65R-BU6D	850	11.45	126.00	4.00	30.00	1675.64	0.00026	566.67	0.00005
Unknown A 13	GENERIC OMNI	450	5.96	165.00	1.00	25.00	98.61	0.00149	300.00	0.00050
Unknown A 14	GENERIC OMNI	450	5.96	165.00	1.00	25.00	98.61	0.00149	300.00	0.00050
Unknown A 15	GENERIC OMNI	850	8.96	166.00	1.00	12.70	99.95	0.00061	566.67	0.00011
T-Mobile A 16	GENERIC PANEL 6FT	1900	15.84	145.00	2.00	60.00	4604.49	0.00091	1000.00	0.00009
T-Mobile A 16	GENERIC PANEL 6FT	2100	16.39	145.00	2.00	60.00	5226.14	0.00035	1000.00	0.00004
T-Mobile A 17	GENERIC PANEL 6FT	600	12.33	145.00	2.00	60.00	2052.02	0.00257	400.00	0.00064
T-Mobile A 17	GENERIC PANEL 6FT	700	12.33	145.00	2.00	60.00	2052.02	0.00257	466.67	0.00055
T-Mobile B 18	GENERIC PANEL 6FT	1900	15.84	145.00	2.00	60.00	4604.49	0.05491	1000.00	0.00549
T-Mobile B 18	GENERIC PANEL 6FT	2100	16.39	145.00	2.00	60.00	5226.14	0.06424	1000.00	0.00642
T-Mobile B 19	GENERIC PANEL 6FT	600	12.33	145.00	2.00	60.00	2052.02	0.05282	400.00	0.01321



Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density ($\mu\text{W}/\text{cm}^2$)	General Population MPE Limit ($\mu\text{W}/\text{cm}^2$)	General Population % MPE
T-Mobile B 19	GENERIC PANEL 6FT	700	12.33	145.00	2.00	60.00	2052.02	0.05282	466.67	0.01132
T-Mobile C 20	GENERIC PANEL 6FT	1900	15.84	145.00	2.00	60.00	4604.49	0.00005	1000.00	0.00001
T-Mobile C 20	GENERIC PANEL 6FT	2100	16.39	145.00	2.00	60.00	5226.14	0.00000	1000.00	0.00000
T-Mobile C 21	GENERIC PANEL 6FT	600	12.33	145.00	2.00	60.00	2052.02	0.00007	400.00	0.00002
T-Mobile C 21	GENERIC PANEL 6FT	700	12.33	145.00	2.00	60.00	2052.02	0.00007	466.67	0.00001
Verizon A 22	GENERIC PANEL 6FT	850	12.62	135.00	4.00	40.00	2924.96	0.00004	566.67	0.00001
Verizon A 23	GENERIC PANEL 6FT	1900	15.84	135.00	4.00	40.00	6139.32	0.00006	1000.00	0.00001
Verizon A 24	GENERIC PANEL 6FT	2100	16.39	135.00	4.00	40.00	6968.19	0.00004	1000.00	0.00000
Verizon A 25	GENERIC PANEL 6FT	700	12.33	135.00	4.00	40.00	2736.02	0.00012	466.67	0.00003
Verizon B 26	GENERIC PANEL 6FT	850	12.62	135.00	4.00	40.00	2924.96	0.08625	566.67	0.01522
Verizon B 27	GENERIC PANEL 6FT	1900	15.84	135.00	4.00	40.00	6139.32	0.09453	1000.00	0.00945
Verizon B 28	GENERIC PANEL 6FT	2100	16.39	135.00	4.00	40.00	6968.19	0.06192	1000.00	0.00619
Verizon B 29	GENERIC PANEL 6FT	700	12.33	135.00	4.00	40.00	2736.02	0.08786	466.67	0.01883
Verizon C 30	GENERIC PANEL 6FT	850	12.62	135.00	4.00	40.00	2924.96	0.00049	566.67	0.00009
Verizon C 31	GENERIC PANEL 6FT	1900	15.84	135.00	4.00	40.00	6139.32	0.00069	1000.00	0.00007
Verizon C 32	GENERIC PANEL 6FT	2100	16.39	135.00	4.00	40.00	6968.19	0.00029	1000.00	0.00003
Verizon C 33	GENERIC PANEL 6FT	700	12.33	135.00	4.00	40.00	2736.02	0.00136	466.67	0.00029
							Cumulative Power Density:	2.57318 $\mu\text{W}/\text{cm}^2$	Cumulative % MPE:	0.32512%



Summary

The theoretical calculations performed for this analysis yielded cumulative power density totals in all areas at ground level and the adjacent 21' building that are within the allowable federal limits for public exposure to RF energy. Therefore, the site is **compliant** with FCC rules and regulations.

Michelle Stone
RF EME Technical Writer II
Centerline Communications, LLC

EXHIBIT 6



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

April 13, 1999

Peter van Wilgen
SNET Mobility Inc
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **TS-SCLP-115-990315** - Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications facility located off 54 Waterbury Road, Prospect, Connecticut.

Dear Mr. van Wilgen

At a public meeting held April 6, 1999, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures, conditioned with a requirement for landscaping around the equipment building.

This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated March 15, 1999 and additional information dated March 25, 1999. Please notify the Council when all work is complete.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/RKE/kj

c: Honorable Robert J. Chatfield, Mayor, Town of Prospect

EXHIBIT 7

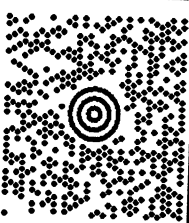
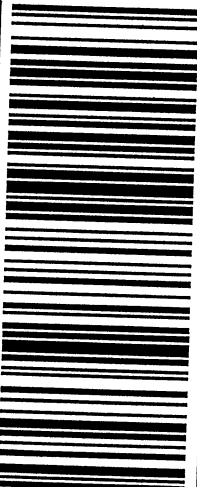
1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
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ALLISON CONWELL 2155887035 CENTERLINE COMMUNICATIONS 768 SOUTHEAST DR VIRGINIA BEACH VA 23462-4748		1 LBS DWT: 12.9,1	1 OF 1
SHIP TO: MELANIE A. BACHMAN 18608272935 CONNECTICUT SITING COUNCIL EXECUTIVE DIRECTOR TEN FRANKLIN SQUARE NEW BRITAIN CT 06051-2655			
		CT 067 9-06	
			
UPS GROUND			
TRACKING #: 1Z 9Y4 503 03 3789 7610			
			
BILLING: P/P			
CS 23.6.00. WNTNVSD 16.0A 04/2023*			

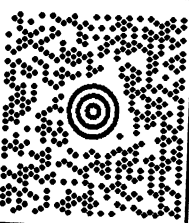
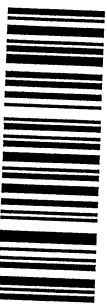
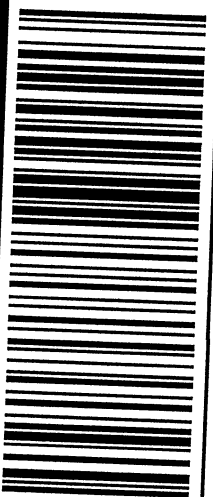
1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
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ALLISON CONWELL 2155887035 CENTERLINE COMMUNICATIONS 768 SOUTH LEE DR VIRGINIA BEACH VA 23462-4748	1 LBS DWT: 12.9,1	1 OF 1
SHIP TO: CHARLES E. & AVERILL B. BRADSHAW 54 WATERBURY RD PROSPECT CT 06712-1276		
	CT 067 9-05 	
UPS GROUND TRACKING #: 1Z 9Y4 503 03 0437 3407		
		
BILLING: P/P		
CS 23.6.00. WNTNV50 16.0A 04/2023*		
		

UPS CampussShip: View/Print Label

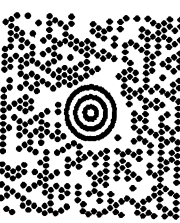
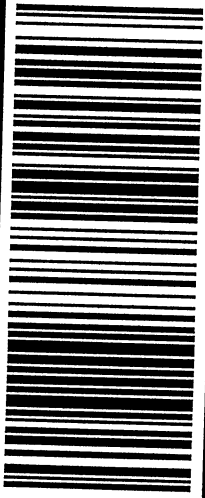
1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
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SHIP TO: ROBERT JOHNSON SITE MANAGEMENT SERVICES 16 PEGASUS TRAIL SPARTA NJ 07871-3228		
	NJ 078 4-11 	
UPS GROUND		
TRACKING #: 1Z 9Y4 503 03 0589 2390		
		
BILLING: P/P		
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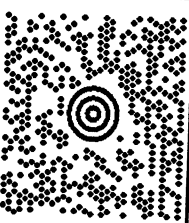
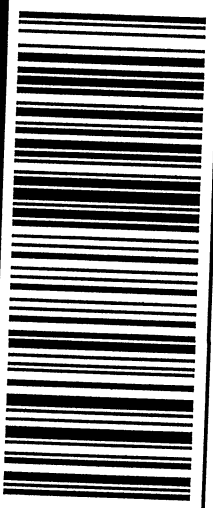
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ALLISON CONWELL 2155887035 CENTERLINE COMMUNICATIONS 768 SOUTH HLEAF DR VIRGINIA BEACH VA 23462-4748		1 LBS DWT: 12.9,1	1 OF 1
SHIP TO: BUILDING DEPT. TOWN OF PROSPECT 36 CENTER ST. PROSPECT CT 06712-1609			
	CT 067 9-05 		
UPS GROUND			
TRACKING #: 1Z 9Y4 503 03 0321 3386			
			
BILLING: P/P			
CS 23.6.00. WNTNV50 16.0A 04/2023*			

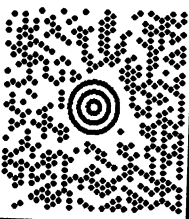
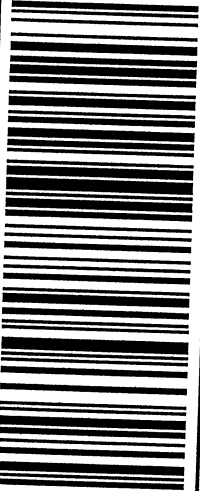
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ALLISON CONWELL 2155887035 CENTERLINE COMMUNICATIONS 768 SOUTHLEAF DR VIRGINIA BEACH VA 23462-4748	1 LBS DWT: 12.9,1	1 OF 1
SHIP TO: MAYOR TOWN OF PROSPECT 36 CENTER ST. PROSPECT CT 06712-1609		
	CT 067 9-05 	
UPS GROUND		
TRACKING #: 1Z 9Y4 503 03 1593 6378		
		
BILLING: P/P		
CS 23.6.00. WMT NV50 16.0A 04/2023*		
		