



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: www.ct.gov/csc

VIA ELECTRONIC MAIL

September 21, 2020

Kyle Richers
Transcend Wireless
10 Industrial Avenue, Suite 3
Mahwah, NJ 07430

RE: **EM-T-MOBILE-018-200902** – T-Mobile notice of intent to modify an existing telecommunications facility located at 39 Carmen Hill Road, Brookfield, Connecticut.

Dear Mr. Richers:

The Connecticut Siting Council (Council) is in receipt of your correspondence of September 16, 2020 submitted in response to the Council's September 15, 2020 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

s/ Melanie A. Bachman

Melanie A. Bachman
Executive Director

MAB/IN/emr

From: Kyle Richers <krichers@transcendwireless.com>

Sent: Wednesday, September 16, 2020 4:41 PM

To: Robidoux, Evan <Evan.Robidoux@ct.gov>

Cc: CSC-DL Siting Council <Siting.Council@ct.gov>

Subject: RE: Council Incomplete Letter for EM-T-MOBILE-018-200902 (39 Carmen Hill Road, Brookfield)

Good Afternoon Evan,

Please find the attached revised construction drawings and property card. Let me know if you need anything else.

Thanks,

Kyle



WIRELESS COMMUNICATIONS FACILITY

BROOKFIELD/JUNCTION RD

SITE ID: CT1196A

39 CARMEN HILL ROAD BROOKFIELD, CT 06804

T-MOBILE RF CONFIGURATION

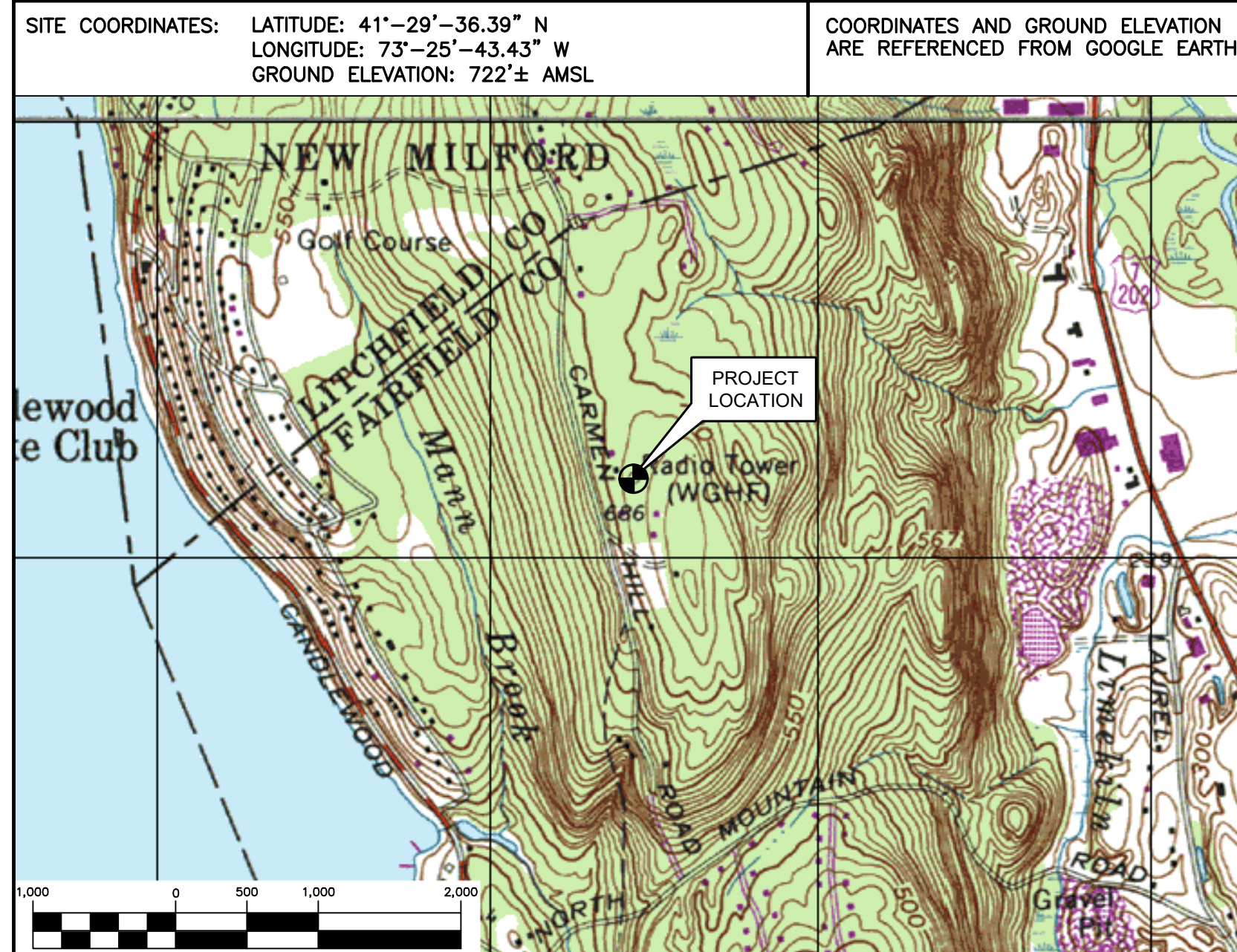
67D5994DB_2xAIR+1QP+1OP

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES." 2018 CONNECTICUT FIRE SAFETY CODE, 2017 NATIONAL ELECTRICAL CODE AND LOCAL CODES.
- CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
- CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, PLUMBING, ELECTRICAL AND HVAC. PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
- CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN 'AS-BUILT' SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
- LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
- DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
- ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
- ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
- ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE T-MOBILE CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO 'EXTRA' WILL BE ALLOWED FOR MISSED ITEMS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
- CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
- COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.
- CONTRACTOR SHALL COMPLY WITH OWNERS ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.

SITE DIRECTIONS

FROM: 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002	TO: 39 CARMEN HILL ROAD BROOKFIELD, CT 06804
<ol style="list-style-type: none"> START OUT GOING SOUTH ON GRIFFIN RD TOWARD W NEWBERRY RD. 0.07 MI. TURN LEFT ONTO W NEWBERRY RD. 0.51 MI. TURN RIGHT ONTO WOODLAND AVE. 2.49 MI. TURN RIGHT ONTO WINTONBURY AVE. 0.22 MI. TURN LEFT ONTO TUNXIS AVE/CT-189. CONTINUE TO FOLLOW CT-189. 1.03 MI. TURN RIGHT ONTO COTTAGE GROVE RD/CT-218. CONTINUE TO FOLLOW CT-218. 2.69 MI. CT-218 BECOMES N MAIN ST. 3.52 MI. MERGE ONTO I-84 W TOWARD WATERBURY. 45.41 MI. TAKE THE CT-25 EXIT, EXIT 9, TOWARD BROOKFIELD. 0.31 MI. MERGE ONTO CT-25 TOWARD BROOKFIELD/HAWLEYVILLE. 5.22 MI. CT-25 BECOMES STATION RD. 0.18 MI. TURN RIGHT ONTO LAUREL HILL RD. 0.20 MI. TAKE THE 1ST LEFT ONTO N MOUNTAIN RD. 0.82 MI. TAKE THE 1ST RIGHT ONTO CARMEN HILL RD. 0.49 MI. 37 CARMEN HILL RD, BROOKFIELD, CT 06804-1004, 37 CARMEN HILL RD IS ON THE RIGHT. 	



PROJECT SUMMARY

1. THE PROPOSED SCOPE OF WORK CONSISTS OF A MODIFICATION TO THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY INCLUDING THE FOLLOWING:
- INSTALLATION OF (3) NEW ANTENNAS, (1) PER SECTOR
 - INSTALL (1) IXRE ROUTER IN EXISTING 6160 CABINET
 - INSTALL (3) BB6630'S FOR L2500 IN EXISTING 6160 CABINET
 - INSTALL (1) BB6630 FOR N2500 IN EXISTING 6160 CABINET
 - REMOVE EXISTING EXCESSIVE COAX CABLES
 - INSTALL (2) 6X12 HCS
 - INSTALL (1) 200A PPC CABINET

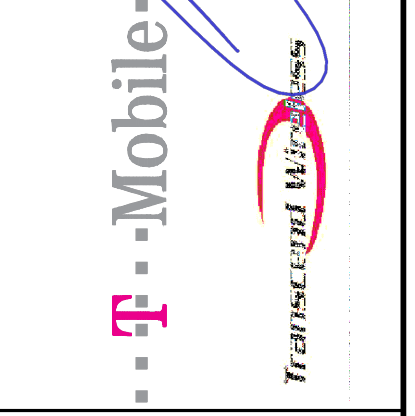
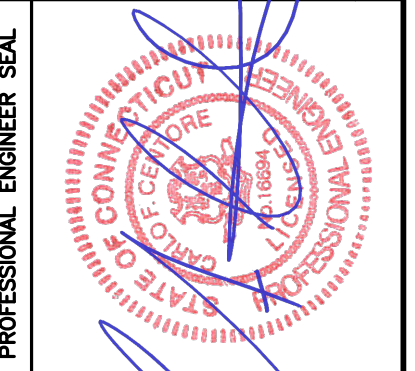
PROJECT INFORMATION

SITE NAME:	BROOKFIELD/JUNCTION RD.
SITE ID:	CT11196A
SITE ADDRESS:	39 CARMEN HILL ROAD BROOKFIELD, CT 06804
APPLICANT:	T-MOBILE NORTHEAST, LLC 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002
CONTACT PERSON:	DAN REID (PROJECT MANAGER) TRANSCEND WIRELESS, LLC (203) 592-8291
ENGINEER:	CENITEK ENGINEERING, INC. 63-2 NORTH BRANFORD RD. BRANFORD, CT 06405
PROJECT COORDINATES:	CARLO F. CENTORE, PE (203) 488-0580 EXT. 122 LATITUDE: 41°-29'-36.39" N LONGITUDE: 73°-25'-43.43" W GROUND ELEVATION: 722'± AMSL SITE COORDINATES AND GROUND ELEVATION REFERENCED FROM GOOGLE EARTH.

SHEET INDEX

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E-1	TYPICAL ELECTRICAL DETAILS	2

REV.	DATE	DESCRIPTION
2	09/16/20	RTS 09/15/20
0	09/19/20	RTS 09/19/20



CENITEK engineering
Centek on Solutions
(203) 488-0580
(203) 488-8587 Fax
632 North Branford Road
Branford, CT 06405
www.CentekEng.com

T-MOBILE NORTHEAST LLC
WIRELESS COMMUNICATIONS FACILITY
BROOKFIELD/JUNCTION RD.
SITE ID: CT1196A
39 CARMEN HILL ROAD
BROOKFIELD, CT 06804

DATE: 05/06/20
SCALE: AS NOTED
JOB NO. 20074.01

TITLE SHEET

T-1
Sheet No. 1 of 8

NOTES AND SPECIFICATIONS

DESIGN BASIS:

GOVERNING CODE: 2015 INTERNATIONAL BUILDING (IBC) AS MODIFIED BY THE 2018 CT STATE BUILDING CODE AND AMENDMENTS.

1. DESIGN CRITERIA:

- RISK CATEGORY: II (BASED ON IBC TABLE 1604.5)
- NOMINAL DESIGN SPEED (OTHER STRUCTURE): 93 MPH (V_{wsd}) (EXPOSURE C/IMPORTANCE FACTOR 1.0 BASED ON ASCE 7-10) PER 2015 INTERNATIONAL BUILDING CODE (IBC) AS MODIFIED BY THE 2018 CONNECTICUT STATE BUILDING CODE.
- SEISMIC LOAD (DOES NOT CONTROL): PER ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.

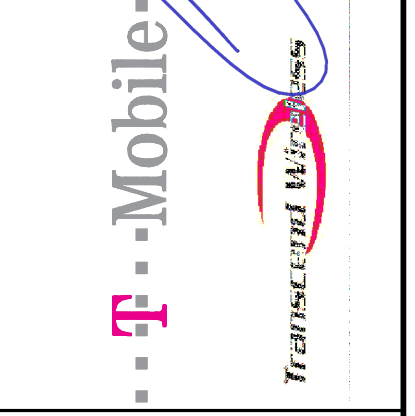
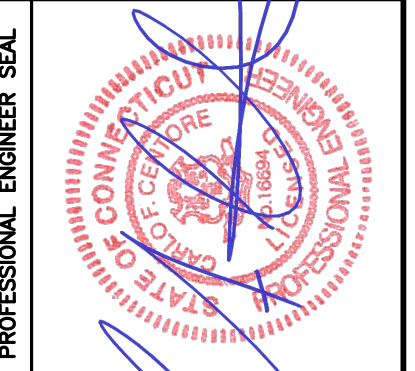
SITE NOTES

- THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- ACTIVE EXISTING UTILITIES, WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY, PRIOR TO PROCEEDING, SHOULD ANY UNCOVERED EXISTING UTILITY PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE AREAS OF THE COMPOUND DISTURBED BY THE WORK SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL PROCEED WITH AFFECTED WORK AFTER CONFLICT IS SATISFACTORILY RESOLVED.

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- THE CONTRACTOR SHALL CONTACT "DIG SAFE" (DIAL 811) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.
- CONTRACTOR SHALL COMPLY WITH OWNER'S ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.
- THE COUNTY/CITY/TOWN WILL MAKE PERIODIC FIELD OBSERVATION AND INSPECTIONS TO MONITOR THE INSTALLATION, MATERIALS, WORKMANSHIP AND EQUIPMENT INCORPORATED INTO THE PROJECT TO ENSURE COMPLIANCE WITH THE DESIGN PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS.
- THE COUNTY/CITY/TOWN MUST BE NOTIFIED (2) WORKING DAYS PRIOR TO CONCEALMENT/BURIAL OF ANY SYSTEM OR MATERIAL THAT WILL PREVENT THE DIRECT INSPECTION OF MATERIALS, METHODS OR WORKMANSHIP. EXAMPLES OF THESE PROCESSES ARE BACKFILLING A GROUND RING OR TOWER FOUNDATION, POURING TOWER FOUNDATIONS, BURYING GROUND RODS, PLATES OR GRIDS, ETC. THE CONTRACTOR MAY PROCEED WITH THE SCHEDULED PROCESS (2) WORKING DAYS AFTER PROVIDING NOTICE UNLESS NOTIFIED OTHERWISE BY THE COUNTY/CITY/TOWN.

REV.	DATE	DESCRIPTION
2	09/16/20	TJR
1	09/15/20	RTS
0	09/19/20	TJR



CEN TEK engineering
 Center on Solutions
 (203) 488-0380
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 632 North Branford Road
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 www.CenTekEng.com

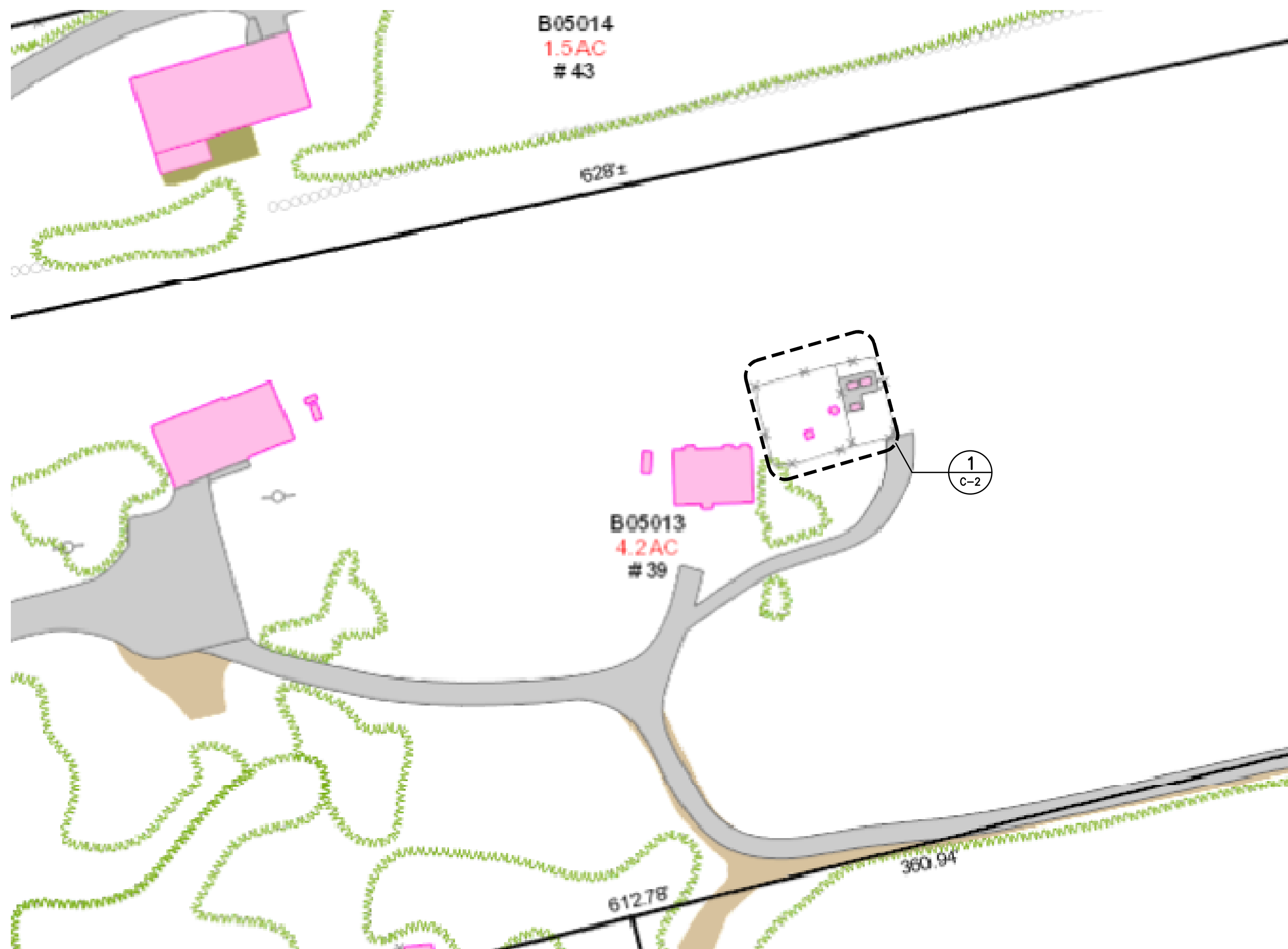
T-MOBILE NORTHEAST LLC
 WIRELESS COMMUNICATIONS FACILITY
BROOKFIELD/JUNCTION RD.
SITE ID: CT1196A
 39 CAPMEN HILL ROAD
 BROOKFIELD, CT 06804

DATE: 05/06/20
 SCALE: AS NOTED
 JOB NO. 20074.01

DESIGN BASIS
 AND SITE NOTES

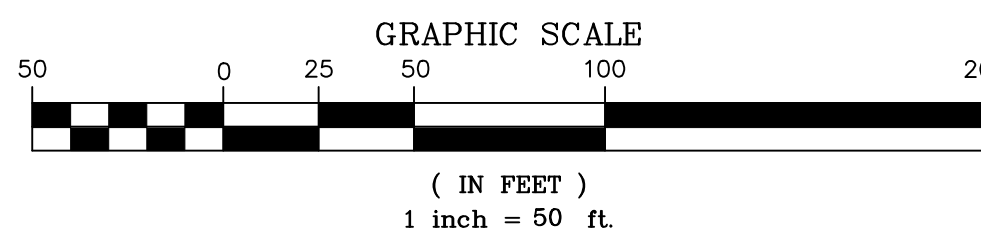
NOTE:
ALL COAX LENGTHS TO BE MEASURED
AND VERIFIED IN FIELD BEFORE ORDERING

ANTENNA SCHEDULE								
SECTOR	EXISTING/PROPOSED	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA HEIGHT	AZIMUTH	(E/P) RRU (QTY)	(E/P) TMA (QTY)	(QTY) PROPOSED COAX (LENGTH)
A1	EXISTING	RFS (APX16DWV-16DWV-S-E-A20)	55.9 x 13.0 x 3.15	280'	10°		(E) GENERIC TWIN STYLE 1B (2)	(1) 6x12 HYBRID CABLE (±310')
A2	EXISTING	ERICSSON (AIR6488 B41)	34.8 x 20.5 x 7.2	280'	10°			
A3	PROPOSED	ERICSSON (AIR32 KRD901146-1_B66A_B2A)	56.6 x 12.9 x 8.7	280'	10°			
A4	EXISTING	RFS (APXVAARR24_43-U-NA20)	95.9 x 24 x 8.7	280'	10°	(E) RADIO 4449 B71 (1), (E) RADIO 4415 B25 (1)		
B1	EXISTING	RFS (APX16DWV-16DWV-S-E-A20)	55.9 x 13.0 x 3.15	280'	130°		(E) GENERIC TWIN STYLE 1B (2)	(1) 6x12 HYBRID CABLE (±310')
B2	EXISTING	ERICSSON (AIR6488 B41)	34.8 x 20.5 x 7.2	280'	130°			
B3	PROPOSED	ERICSSON (AIR32 KRD901146-1_B66A_B2A)	56.6 x 12.9 x 8.7	280'	130°			
B4	EXISTING	RFS (APXVAARR24_43-U-NA20)	95.9 x 24 x 8.7	280'	130°	(E) RADIO 4449 B71 (1), (E) RADIO 4415 B25 (1)		
C1	EXISTING	RFS (APX16DWV-16DWV-S-E-A20)	55.9 x 13.0 x 3.15	280'	250°		(E) GENERIC TWIN STYLE 1B (2)	
C2	EXISTING	ERICSSON (AIR6488 B41)	34.8 x 20.5 x 7.2	280'	250°			
C3	PROPOSED	ERICSSON (AIR32 KRD901146-1_B66A_B2A)	56.6 x 12.9 x 8.7	280'	250°			
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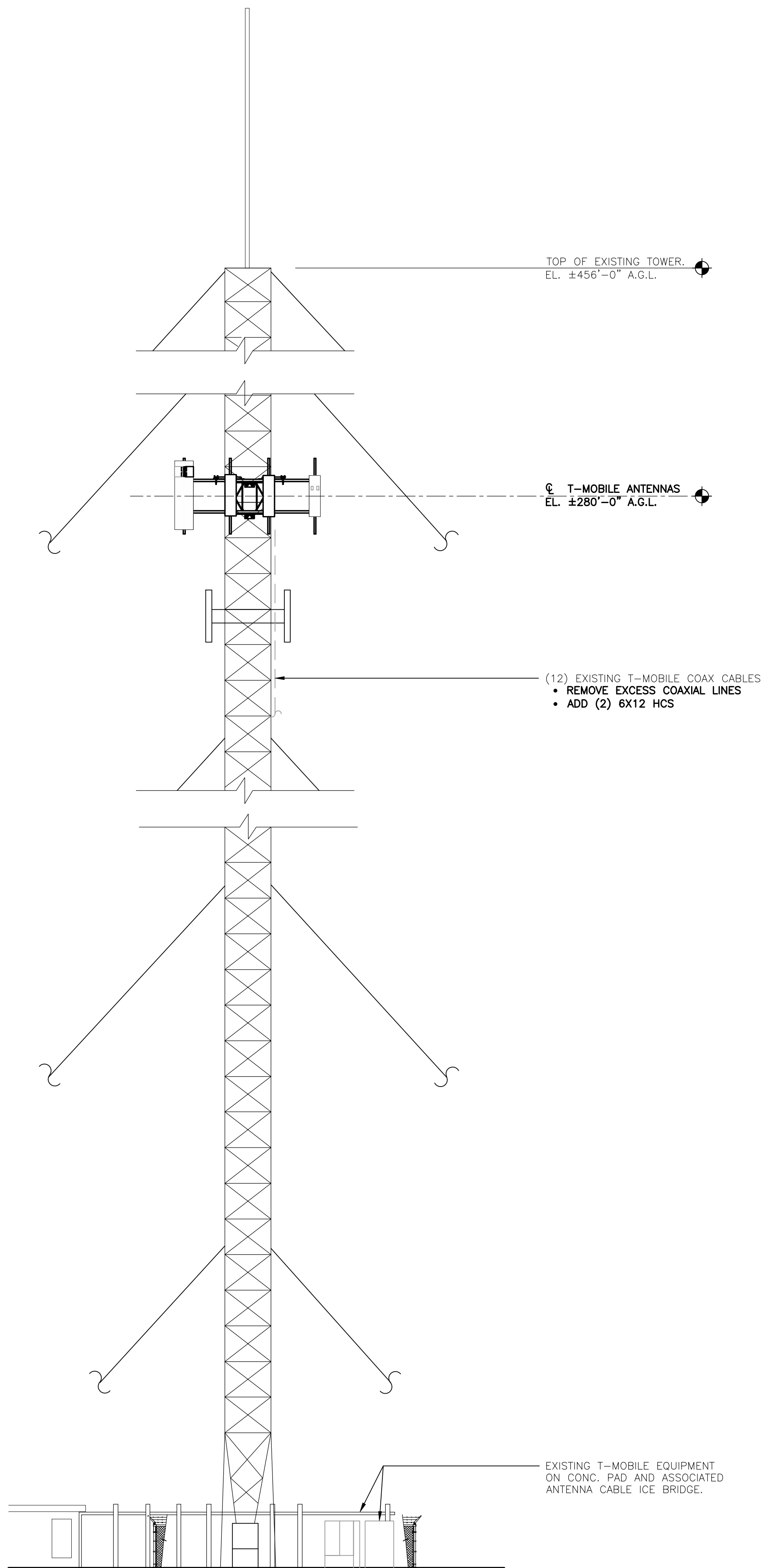


1 SITE LOCATION PLAN
C-1 SCALE: 1" = 50'

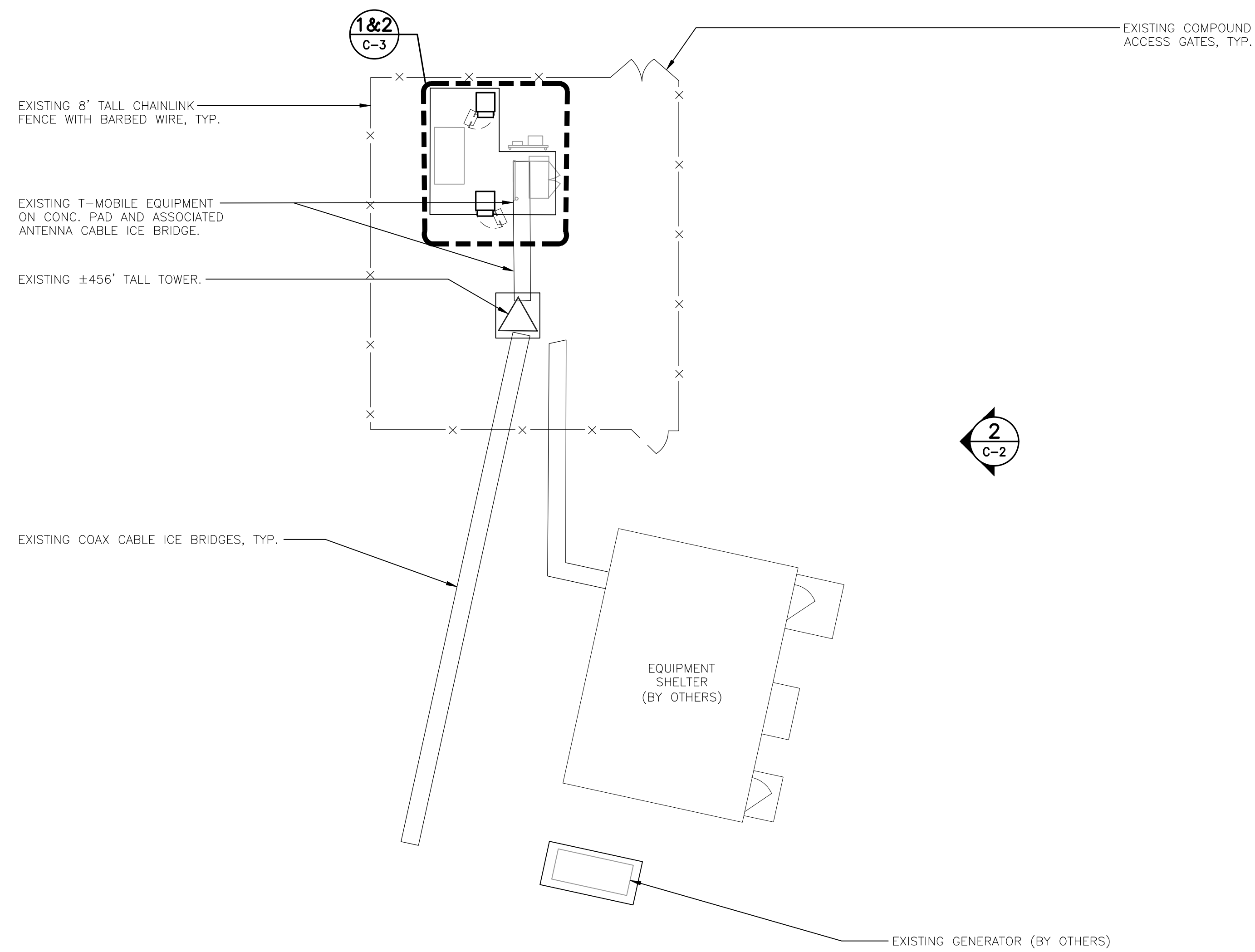
APPROX. NORTH



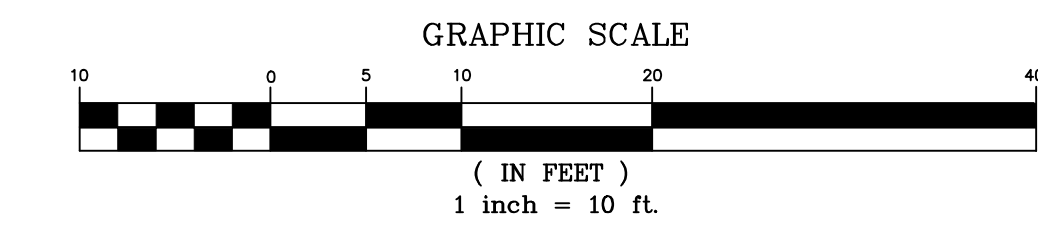
PROFESSIONAL ENGINEER SEAL	CONSTRUCTION DRAWINGS - REVISIONS	DATE	DESCRIPTION
	TJR	09/16/20	CONSTRUCTION DRAWINGS - REVISIONS
	RIS	09/15/20	CONSTRUCTION DRAWINGS - REVISIONS
	TJR	09/19/20	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
	REV.	DATE	DRAWN BY/CHK'D BY
	2	09/16/20	RIS
	0	09/15/20	RIS
			TJR
<p>T-MOBILE NORTHEAST LLC WIRELESS COMMUNICATIONS FACILITY BROOKFIELD/JUNCTION RD. SITE ID: CT1196A 39 CARMEN HILL ROAD BROOKFIELD, CT 06804</p>			
DATE: 05/06/20		SCALE: AS NOTED	
JOB NO. 20074.01		SITE LOCATION PLAN	
<p>C-1</p>			
Sheet No. 3 of 8			



2
C-2 **TOWER ELEVATION**
SCALE: NOT TO SCALE



1
C-2 **COMPOUND PLAN**
SCALE: 1" = 10'



2
C-2

STRUCTURAL COMPLIANCE

ANTENNA MOUNTS

A STRUCTURAL ANALYSIS OF THE ANTENNA MOUNTS WAS PERFORMED FOR THE PROPOSED EQUIPMENT INSTALLATION AND THEY WERE FOUND TO BE STRUCTURALLY SUFFICIENT TO ACCOMMODATE THE PROPOSED LOADING..

REFER TO THE ANTENNA MOUNT ANALYSIS REPORT PREPARED BY CENTEK ENGINEERING (PROJECT # 20074.01) DATED 07/07/20 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

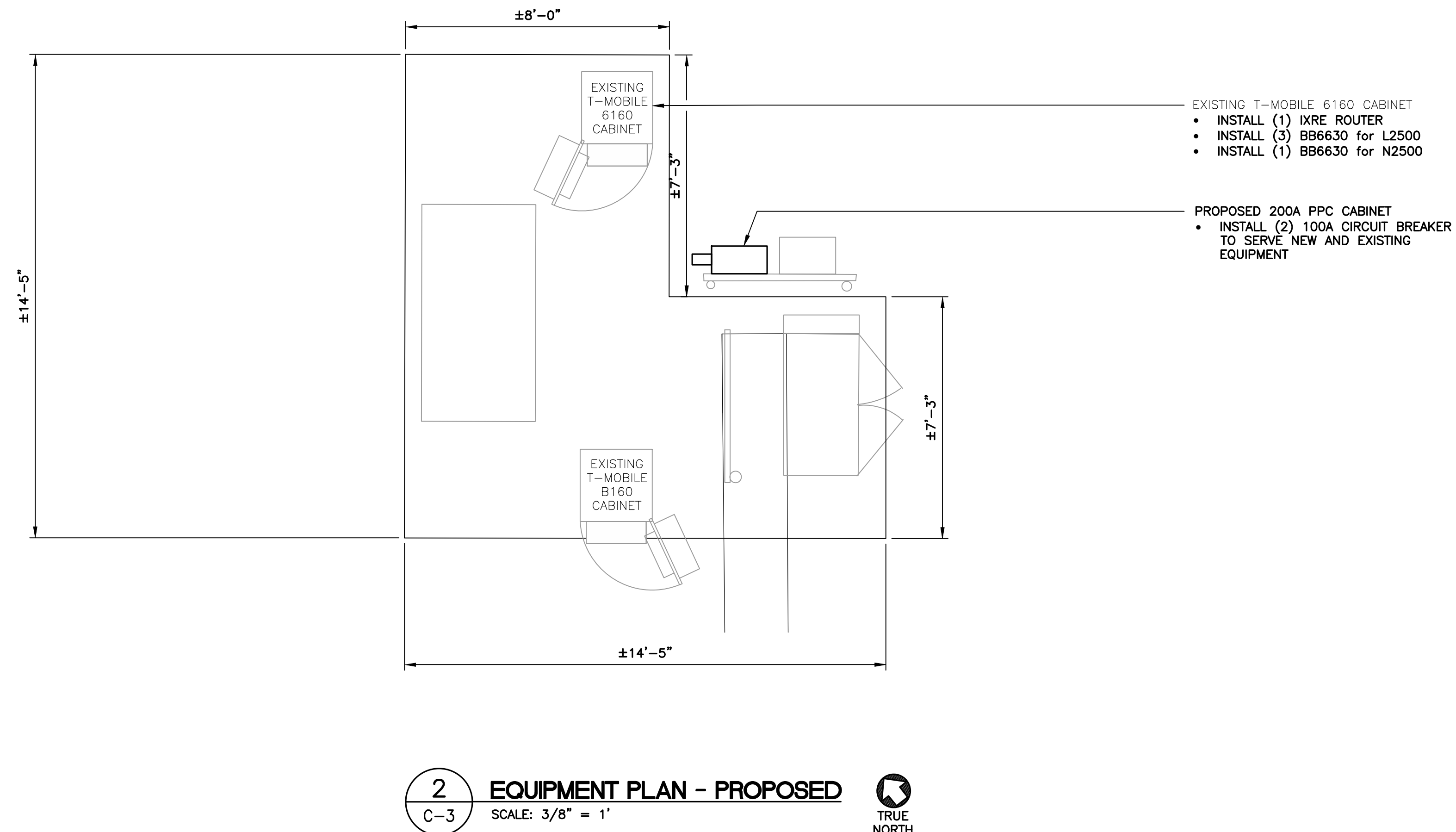
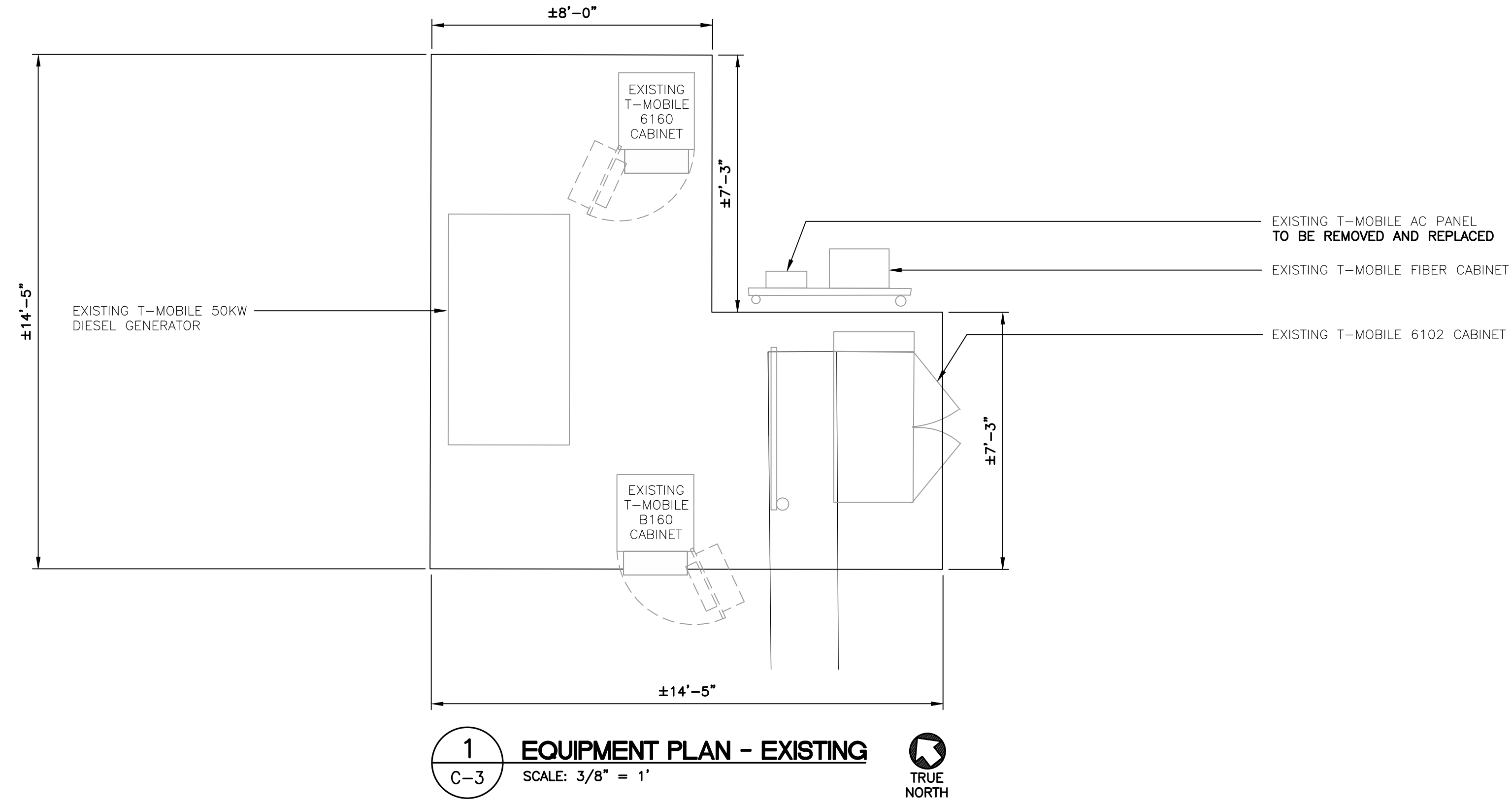
TOWER AND TOWER FOUNDATION

A STRUCTURAL ANALYSIS OF THE TOWER AND TOWER FOUNDATION WAS PERFORMED FOR THE PROPOSED EQUIPMENT INSTALLATION AND THEY WERE FOUND TO BE STRUCTURALLY SUFFICIENT TO ACCOMMODATE THE PROPOSED LOADING.

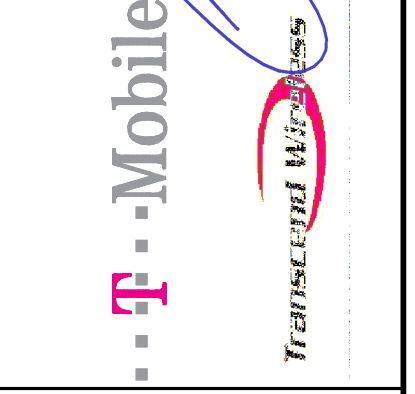
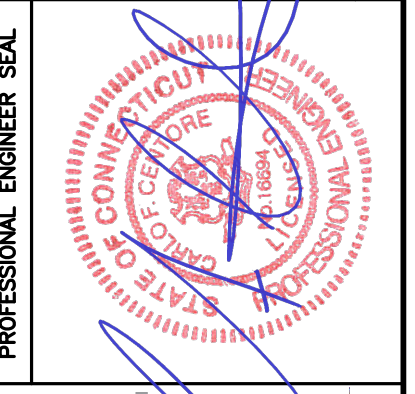
REFER TO THE STRUCTURAL ANALYSIS REPORT PREPARED BY VERTICAL BRIDGE ENGINEERING, LLC (PROJECT # US-CT-5009) DATED 06/01/20 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

NOTE: NO EQUIPMENT SHALL BE INSTALLED ON THE HOSTING STRUCTURE WITHOUT A PASSING STRUCTURAL ANALYSIS REPORT AND CONTRACTOR PRIOR CONFIRMATION THAT ANY AND ALL REQUISITE MODIFICATIONS HAVE BEEN COMPLETED.

T-MOBILE NORTHEAST LLC	WIRELESS COMMUNICATIONS FACILITY	BROOKFIELD/JUNCTION RD.	SITE ID: CT1196A	39 CARMEN HILL ROAD	BROOKFIELD, CT 06804																				
<small> (203) 488-0380 (203) 488-8887 Fax 652 North Branford Road Branford, CT 06405 www.CentekEng.com </small>																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DRAWN BY</th> <th>CHK'D BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>09/16/20</td> <td>RTS</td> <td>TJR</td> <td>CONSTRUCTION DRAWINGS - REISED GIS MAP</td> </tr> <tr> <td>0</td> <td>09/15/20</td> <td>RTS</td> <td>TJR</td> <td>CONSTRUCTION DRAWINGS - REISED ADDRESS</td> </tr> <tr> <td>0</td> <td>09/19/20</td> <td>RTS</td> <td>TJR</td> <td>CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION</td> </tr> </tbody> </table>						REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION	2	09/16/20	RTS	TJR	CONSTRUCTION DRAWINGS - REISED GIS MAP	0	09/15/20	RTS	TJR	CONSTRUCTION DRAWINGS - REISED ADDRESS	0	09/19/20	RTS	TJR	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
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COMPOUND PLAN, AND ELEVATION																									
C-2																									
Sheet No. 4 of 8																									



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1	09/15/20	RTS	CONSTRUCTION DRAWINGS - REISED ADDRESS
0	09/19/20	RTS	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION



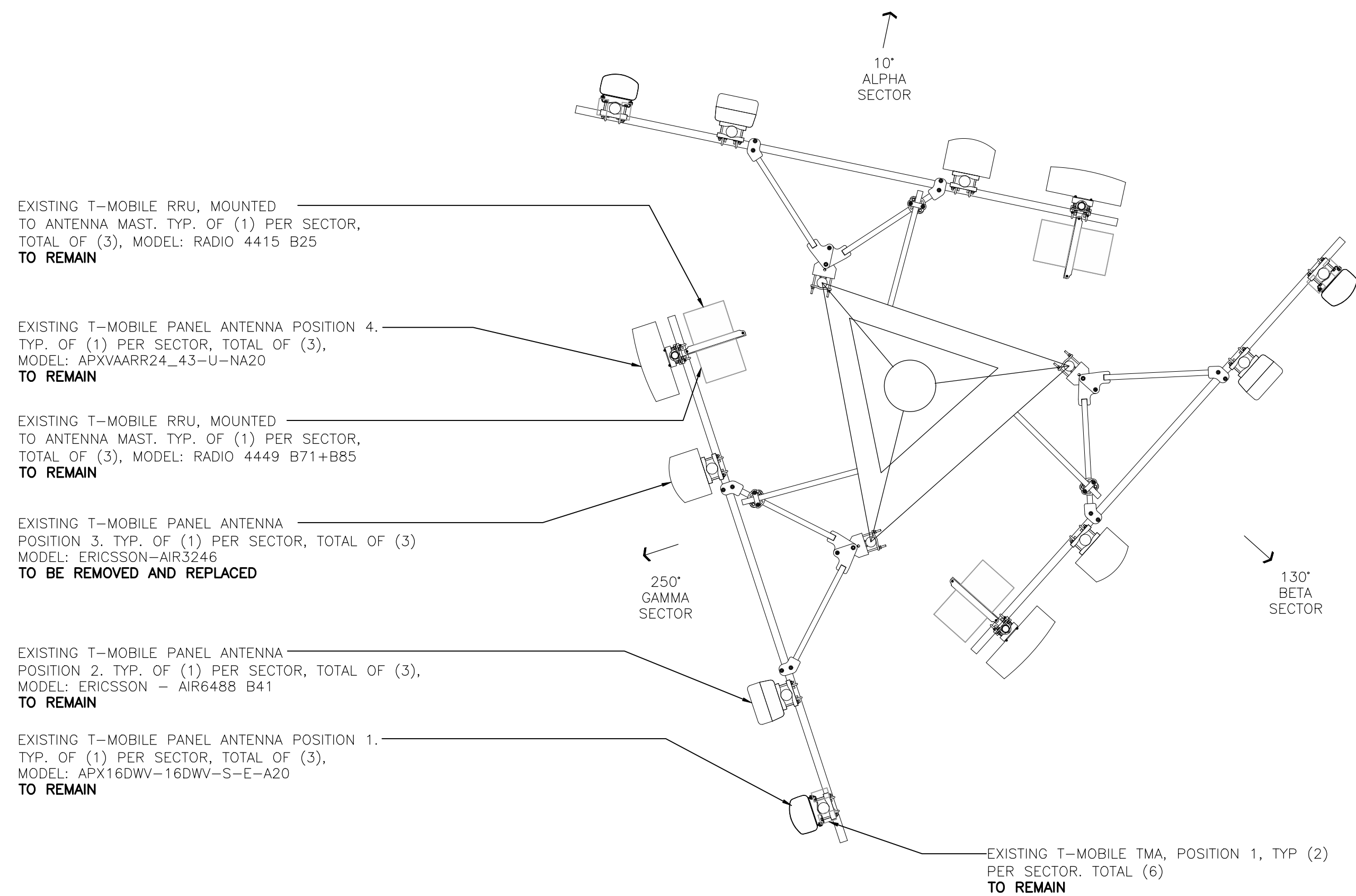
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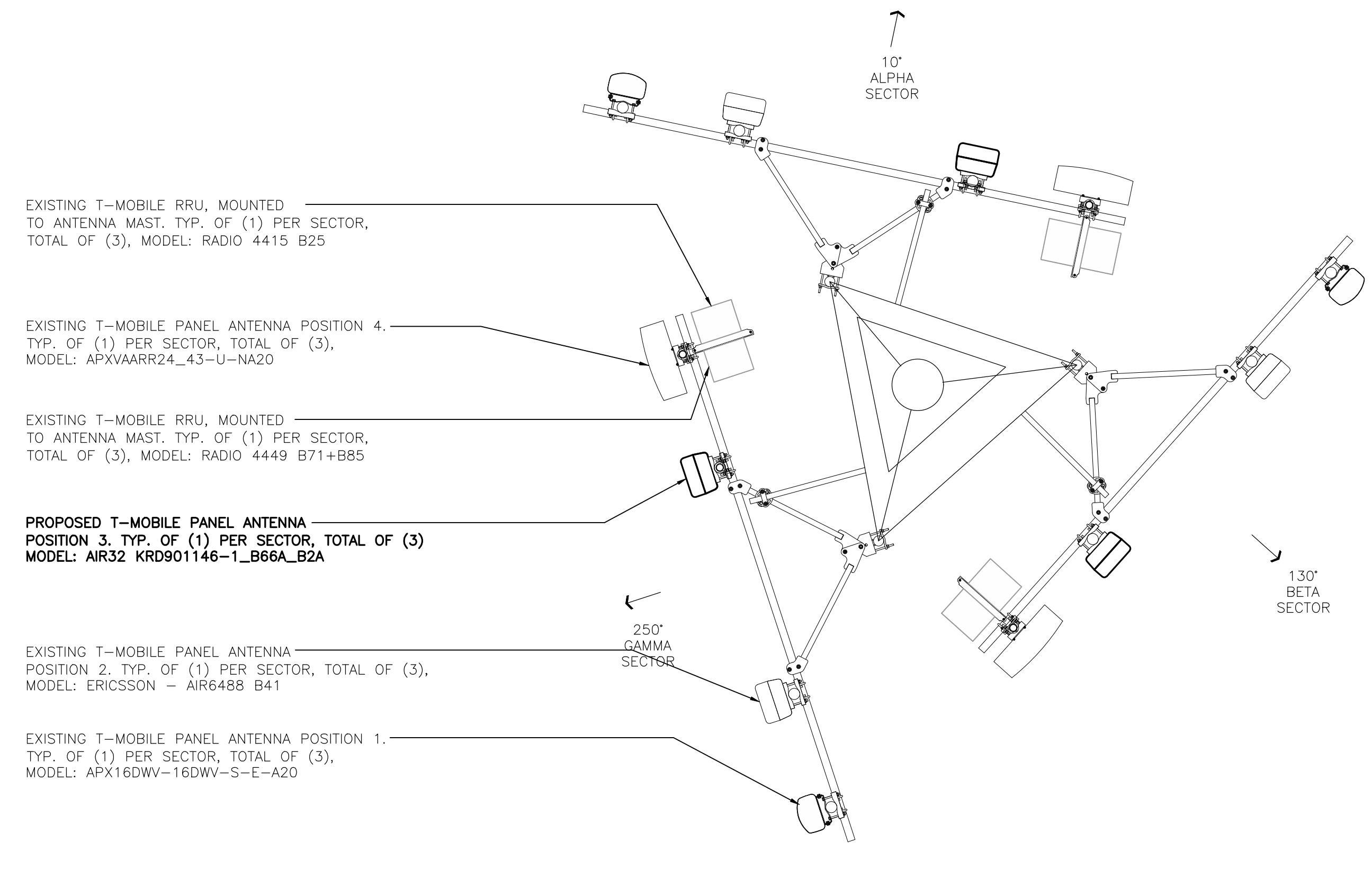
DATE: 05/06/20
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EQUIPMENT LAYOUT PLANS

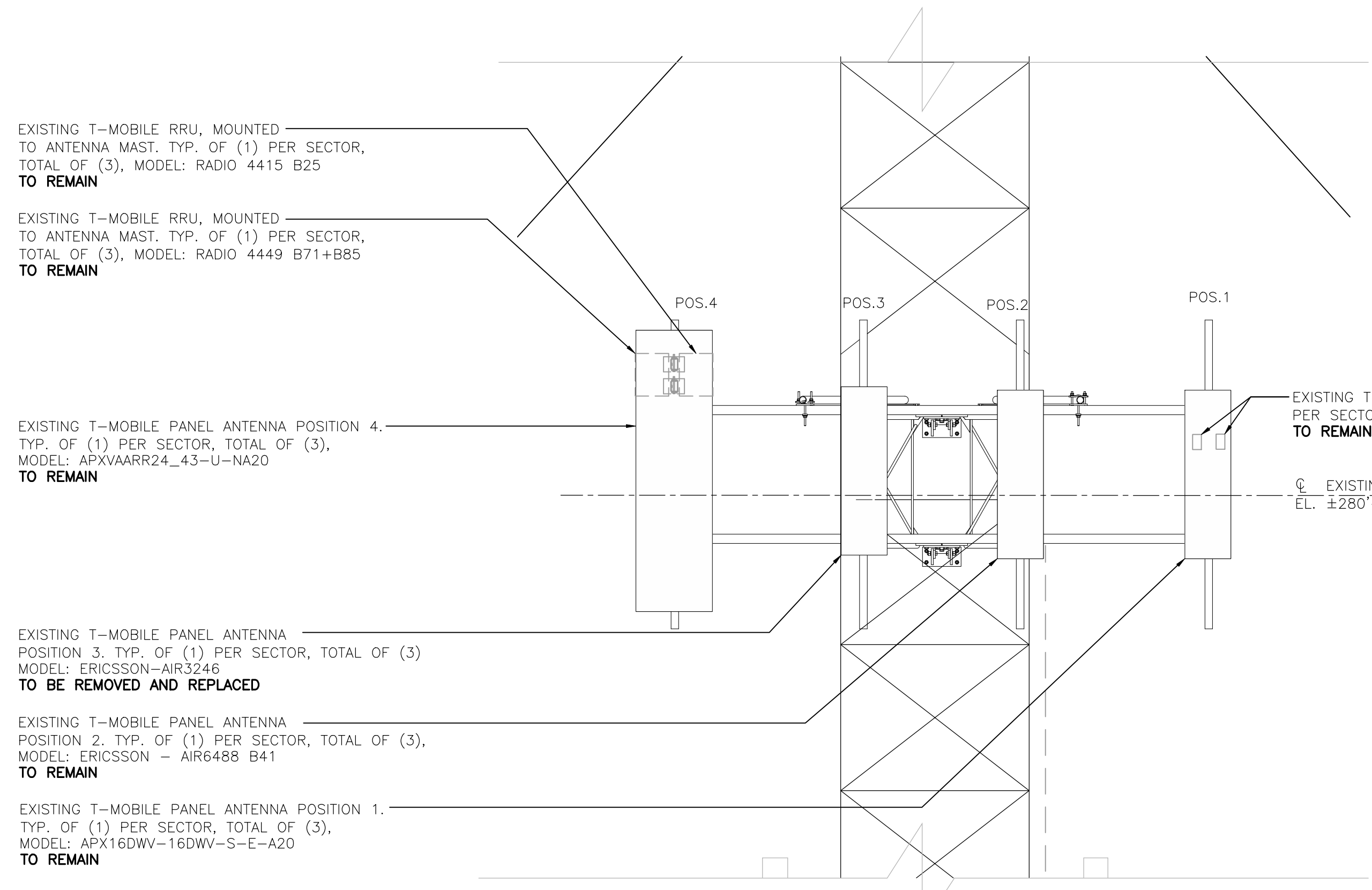
C-3
Sheet No. 5 of 8



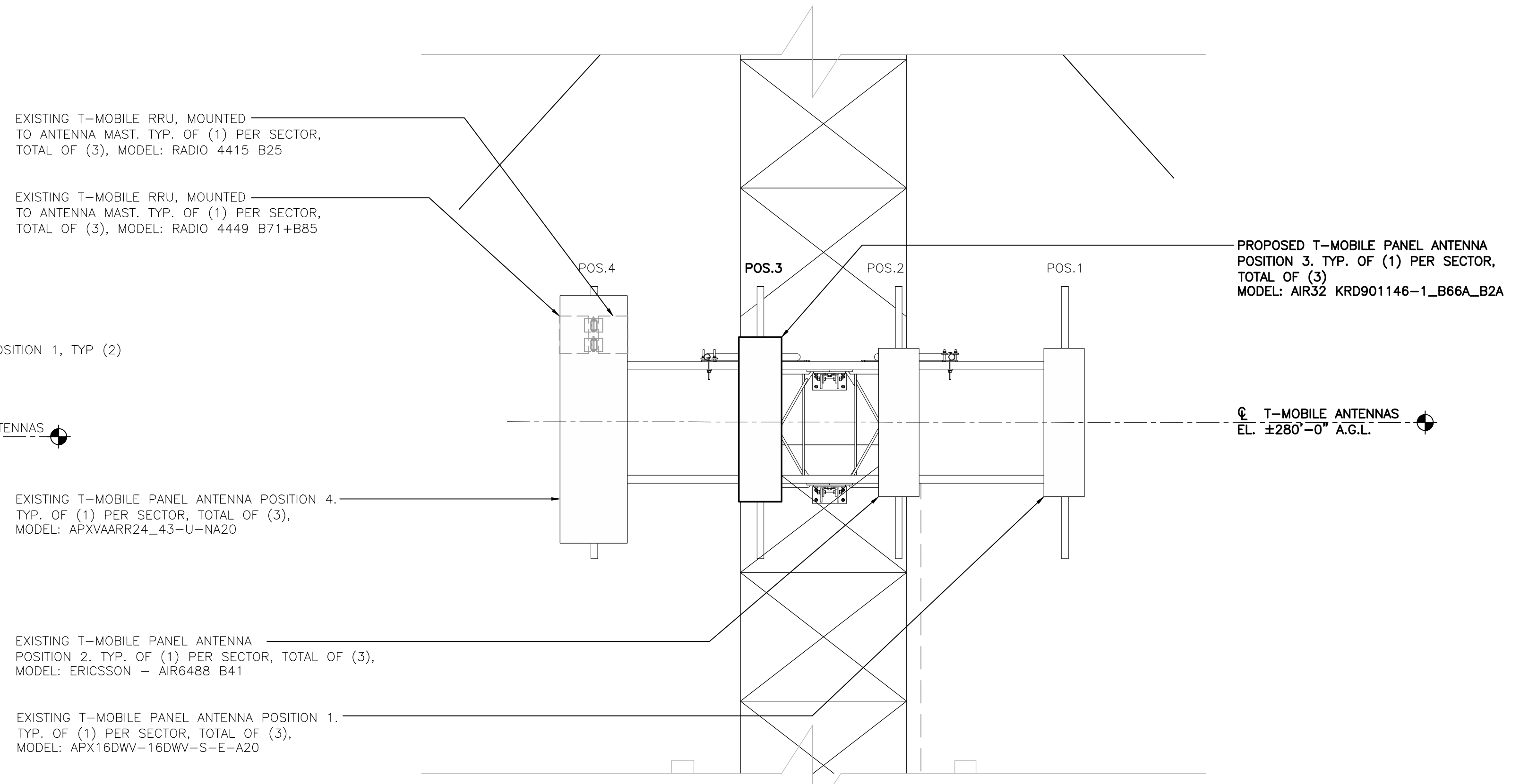
1 EXISTING ANTENNA MOUNTING CONFIGURATION
 SCALE: 3/8" = 1'
280' ELEVATION TRUE NORTH



2 PROPOSED ANTENNA MOUNTING CONFIGURATION
 SCALE: 3/8" = 1'
240' ELEVATION TRUE NORTH

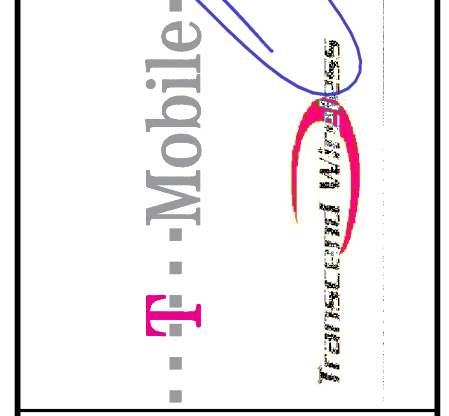


1A EXISTING ANTENNA ELEVATION
 SCALE: 3/8" = 1'



2A PROPOSED ANTENNA ELEVATION
 SCALE: 3/8" = 1'

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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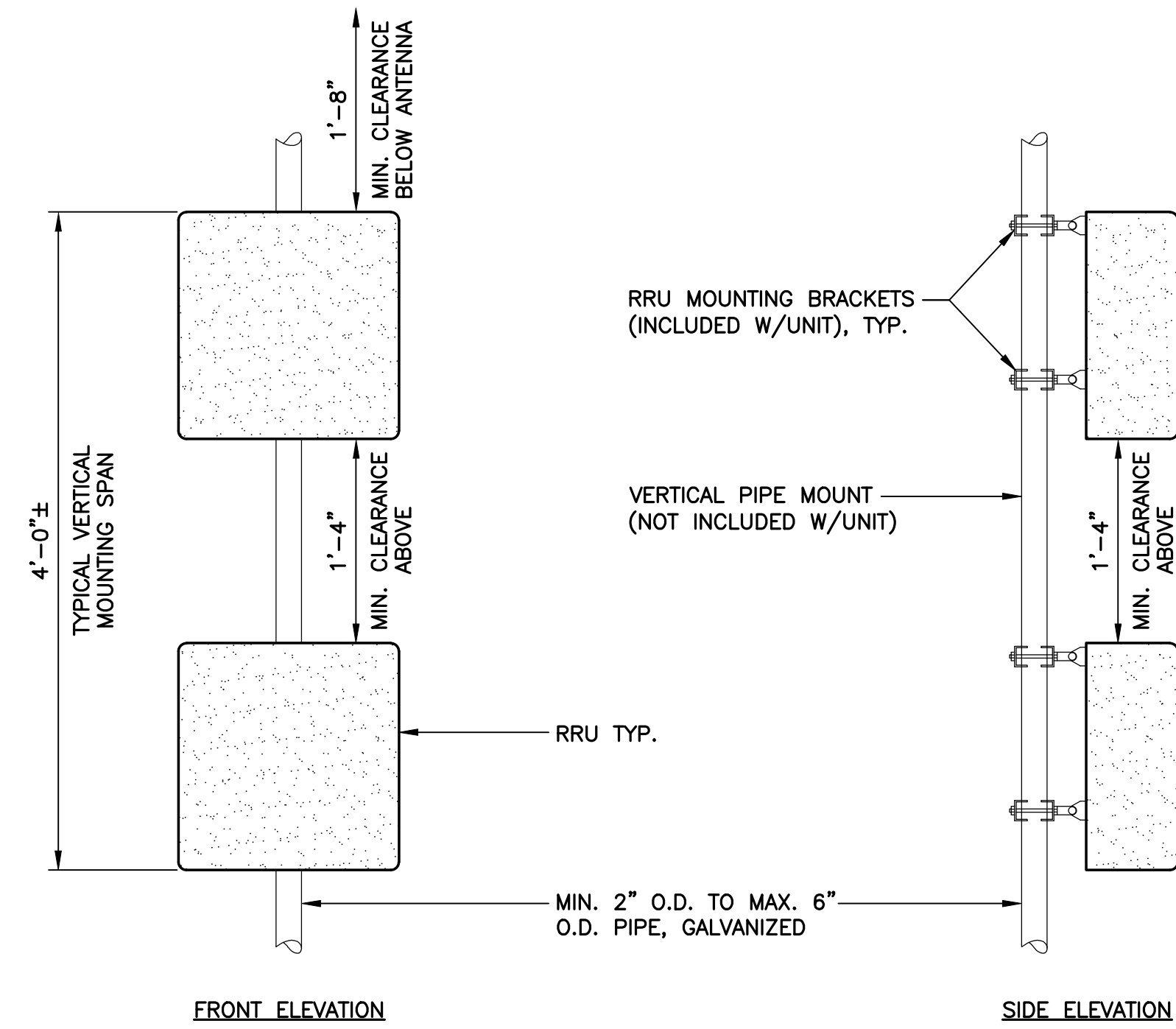


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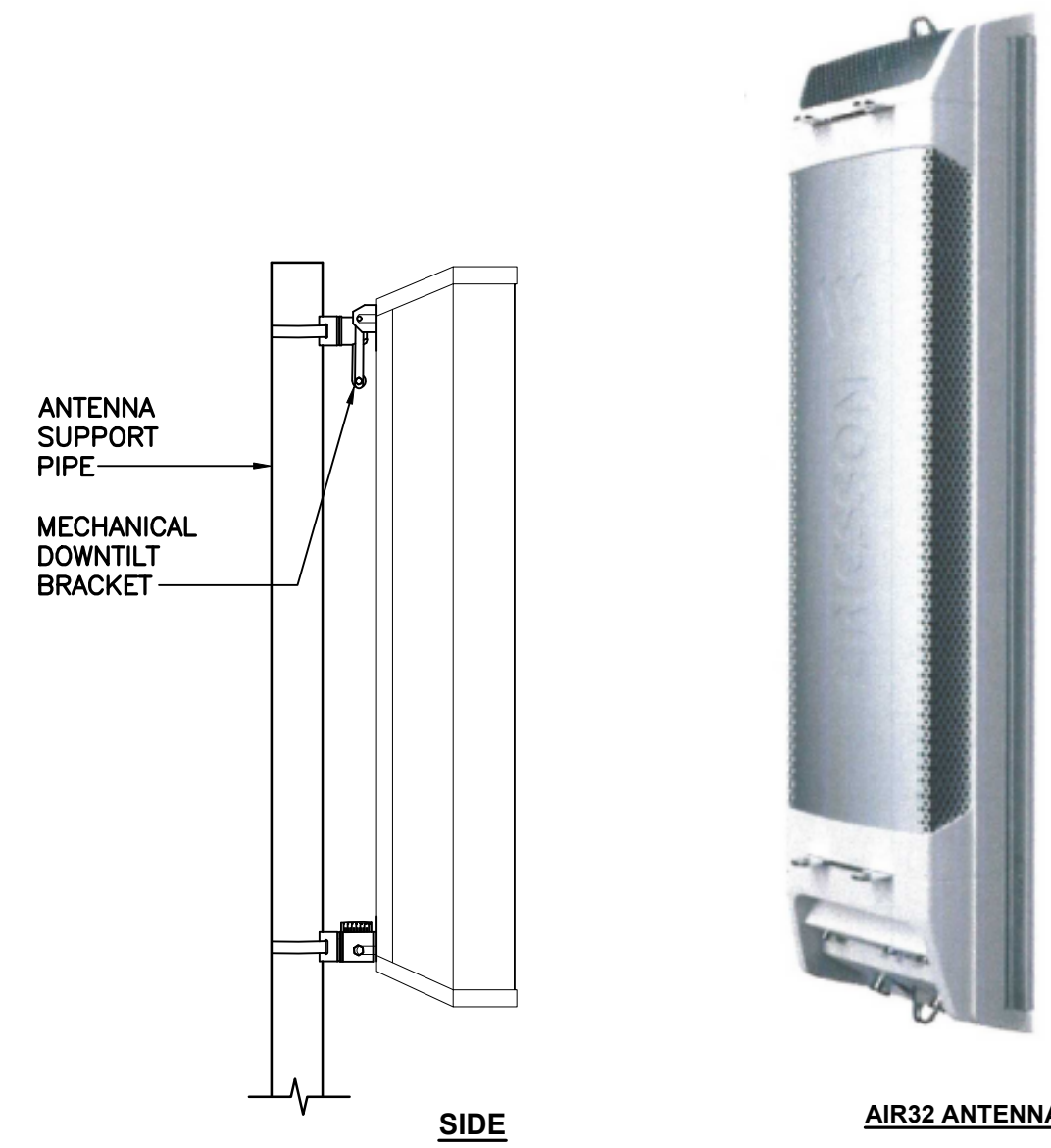
DATE: 05/06/20
 SCALE: AS NOTED
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ANTENNA
 PLANS AND
 ELEVATIONS



- NOTES:**
- T-MOBILE SHALL SUPPLY RRU, AND RRU POLE-MOUNTING BRACKET. CONTRACTOR SHALL SUPPLY POLE/PIPE AND INSTALL ALL MOUNTING HARDWARE INCLUDING ERICSSON RRU POLE-MOUNTING BRACKET. CONTRACTOR SHALL INSTALLS RRU AND MAKES CABLE TERMINATIONS.
 - NO PAINTING OF THE RRU OR SOLAR SHIELD IS ALLOWED.

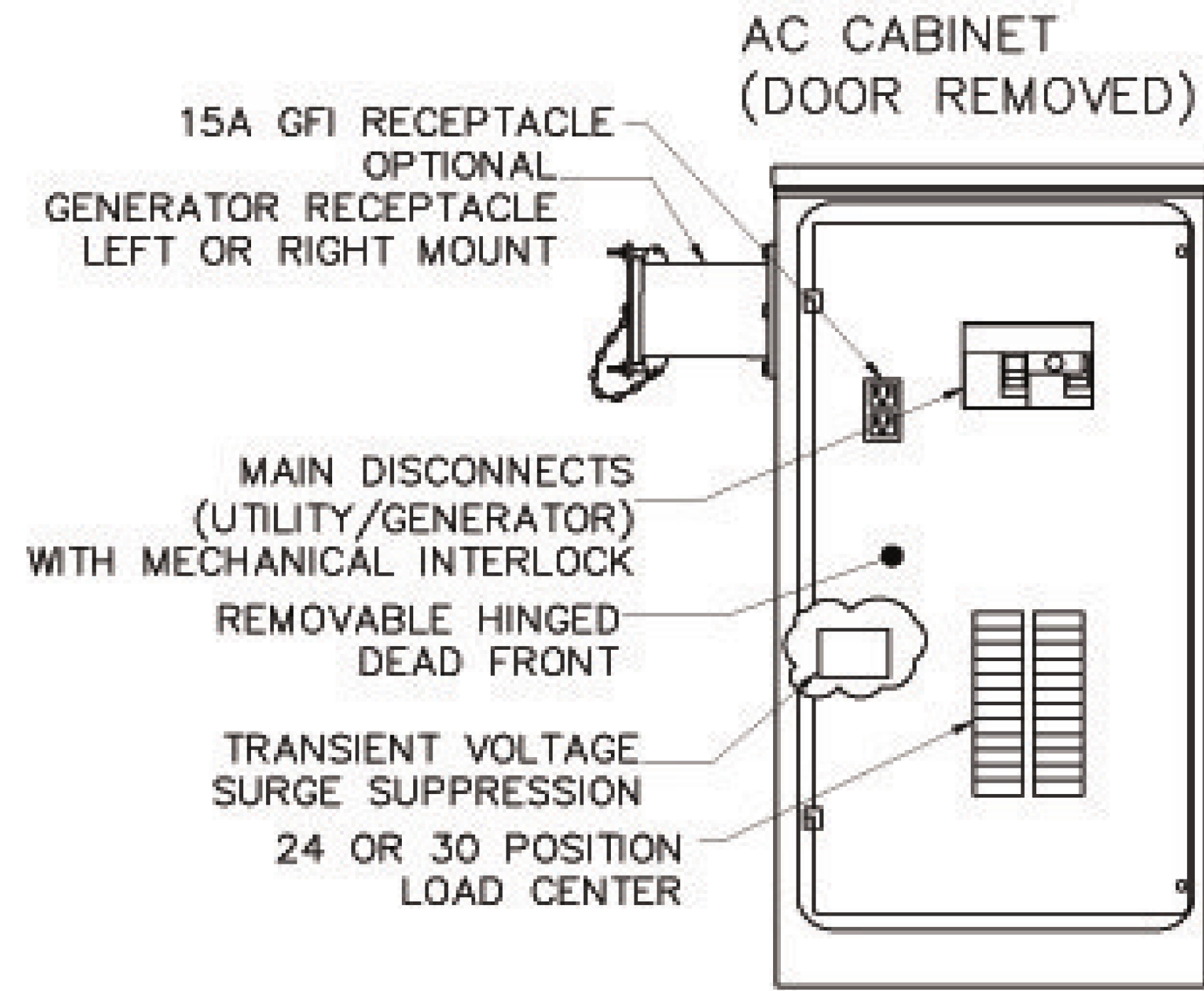
1 TYPICAL RRUS MOUNTING DETAILS
C-5 SCALE: NOT TO SCALE



ALPHA/BETA/GAMMA ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: ERICSSON MODEL: AIR32 KRD901146-1 B66A_B2A	56.6"L x 12.9"W x 8.7"D	±132 LBS.

NOTES:
1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH T-MOBILE CONSTRUCTION MANAGER PRIOR TO ORDERING.

2 PROPOSED ANTENNA DETAIL
C-5 SCALE: NOT TO SCALE



PPC CABINET		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: EMERSON MODEL: CAC-A75201090	40.0"H x 20.0"W x 10.0"D	±80 LBS

3 PPC CABINET DETAIL
C-6 NOT TO SCALE



EQUIPMENT CABINET		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: ERICSSON MODEL: ENCLOSURE 6160	62.0"H x 26.0"W x 26.0"D	±1200 LBS

4 ENCLOSURE 6160 (OUTDOOR)
C-5 SCALE: NOT TO SCALE

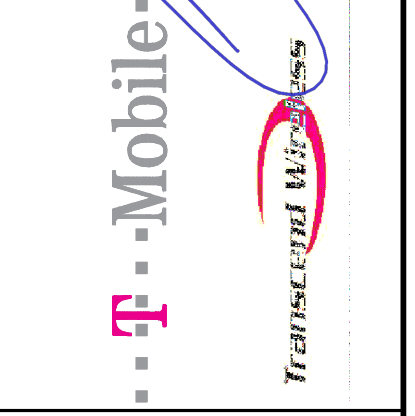
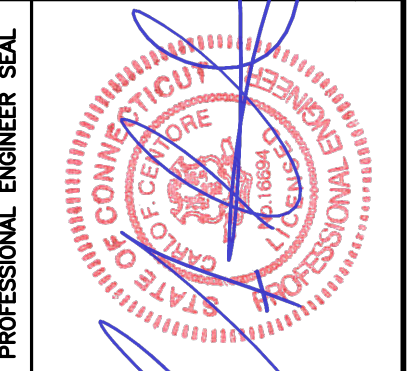


EQUIPMENT CABINET		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: ERICSSON MODEL: BATTERY CABINET B160	62.0"H x 26.0"W x 26.0"D	±1883 LBS

5 BATTERY CABINET DETAIL
C-5 NOT TO SCALE

REV.	DATE	DESCRIPTION
2	09/16/20	TJR
	09/15/20	RIS
0	09/19/20	RIS

CONSTRUCTION DRAWINGS - REISED GIS MAP
CONSTRUCTION DRAWINGS - REISED ADDRESS
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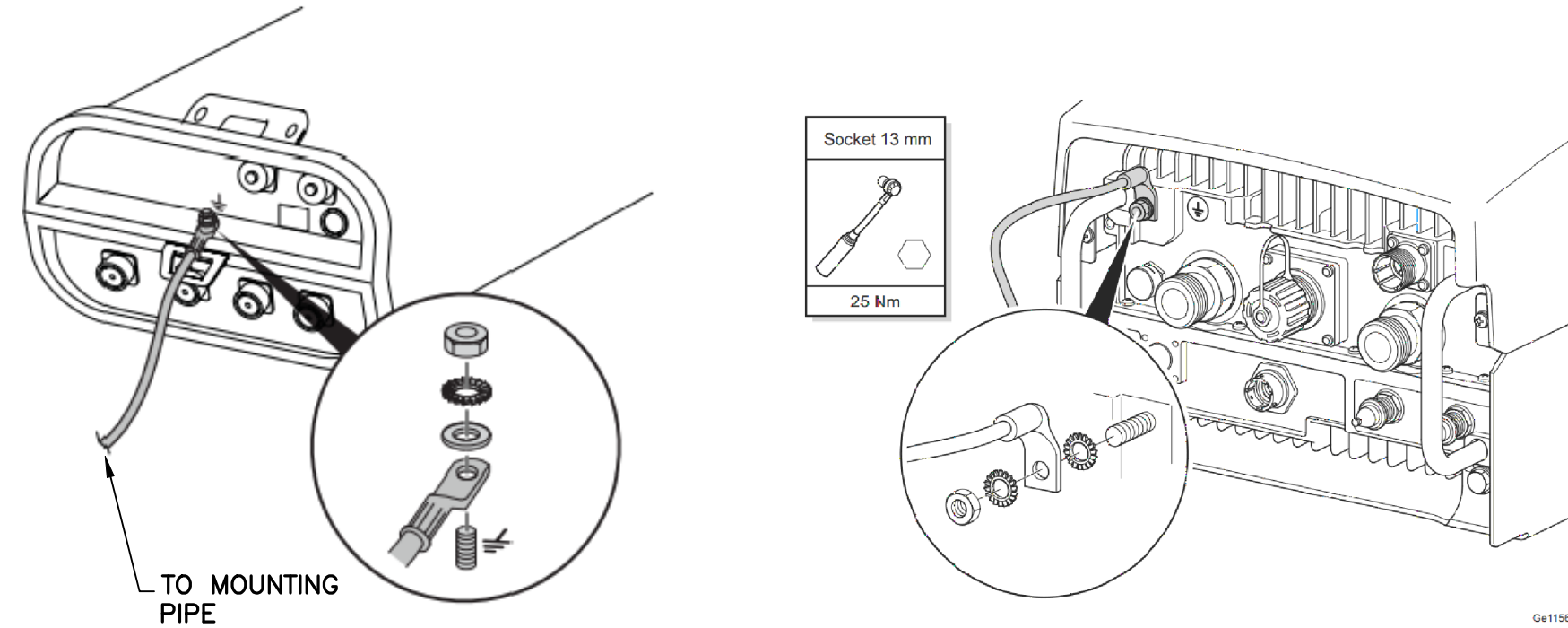


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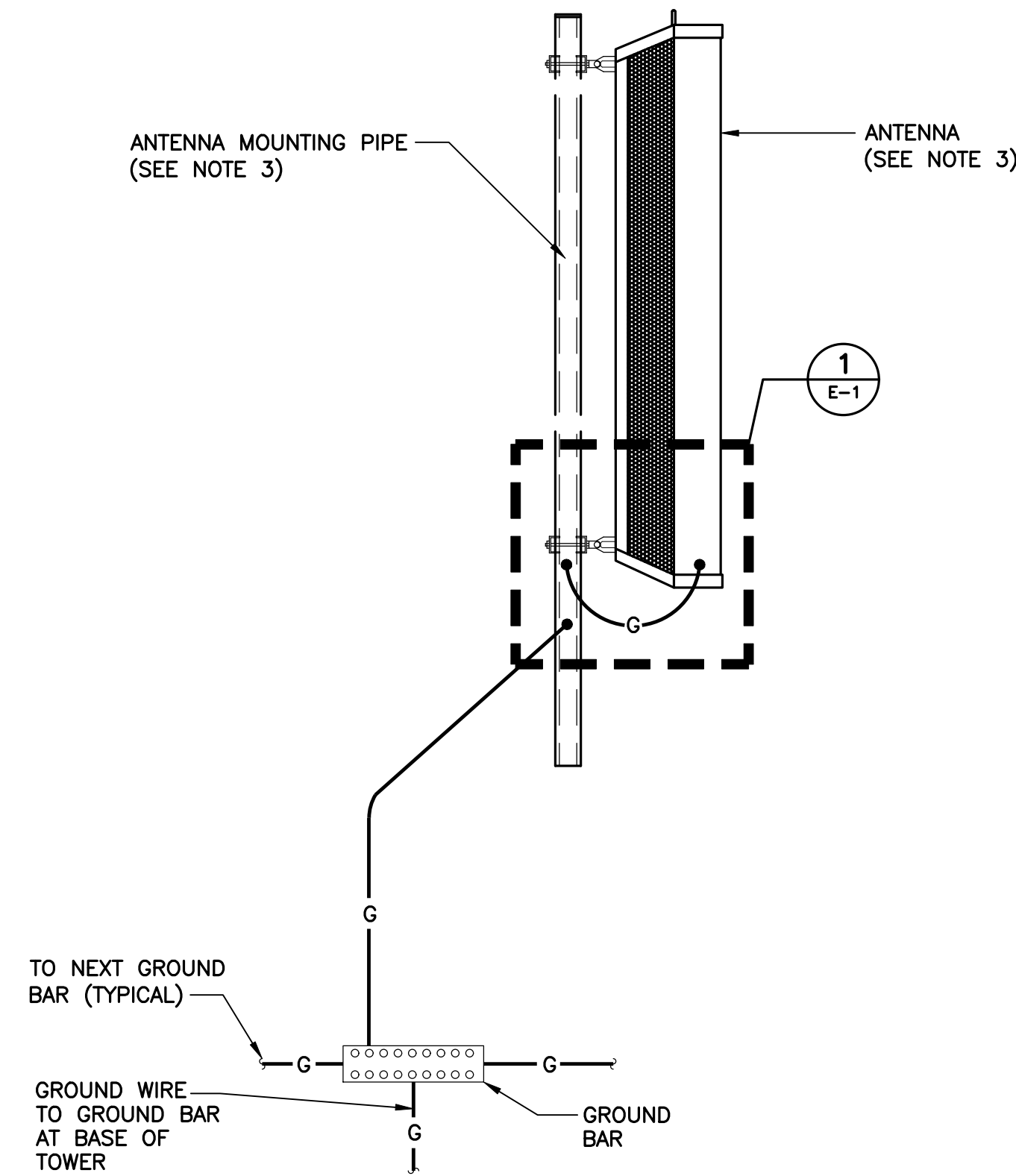
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TYPICAL DETAILS

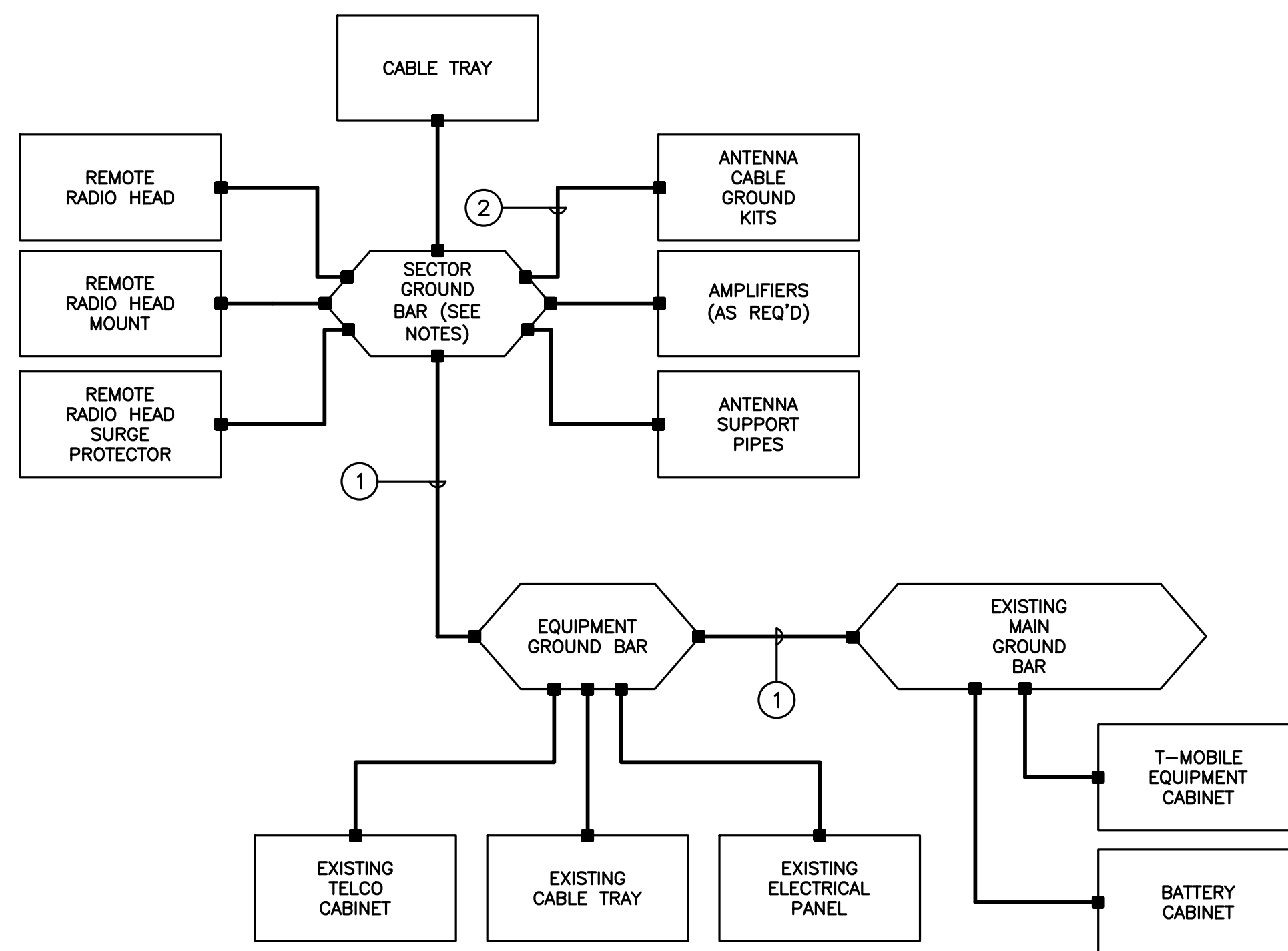


1 TYPICAL ANTENNA/RRU GROUNDING DETAILS
E-1 SCALE: NOT TO SCALE



- NOTES:**
- BOND COAXIAL CABLE GROUND KITS TO EACH OWNER'S GROUND BAR ALONG ENTIRE COAX RUN FROM ANTENNA TO SHELTER.
 - BOND ALL EQUIPMENT TO GROUND PER NEC AND MANUFACTURERS' SPECIFICATIONS.
 - DETAIL IS TYPICAL FOR ALL ANTENNA SECTORS, INCLUDING GPS ANTENNA.

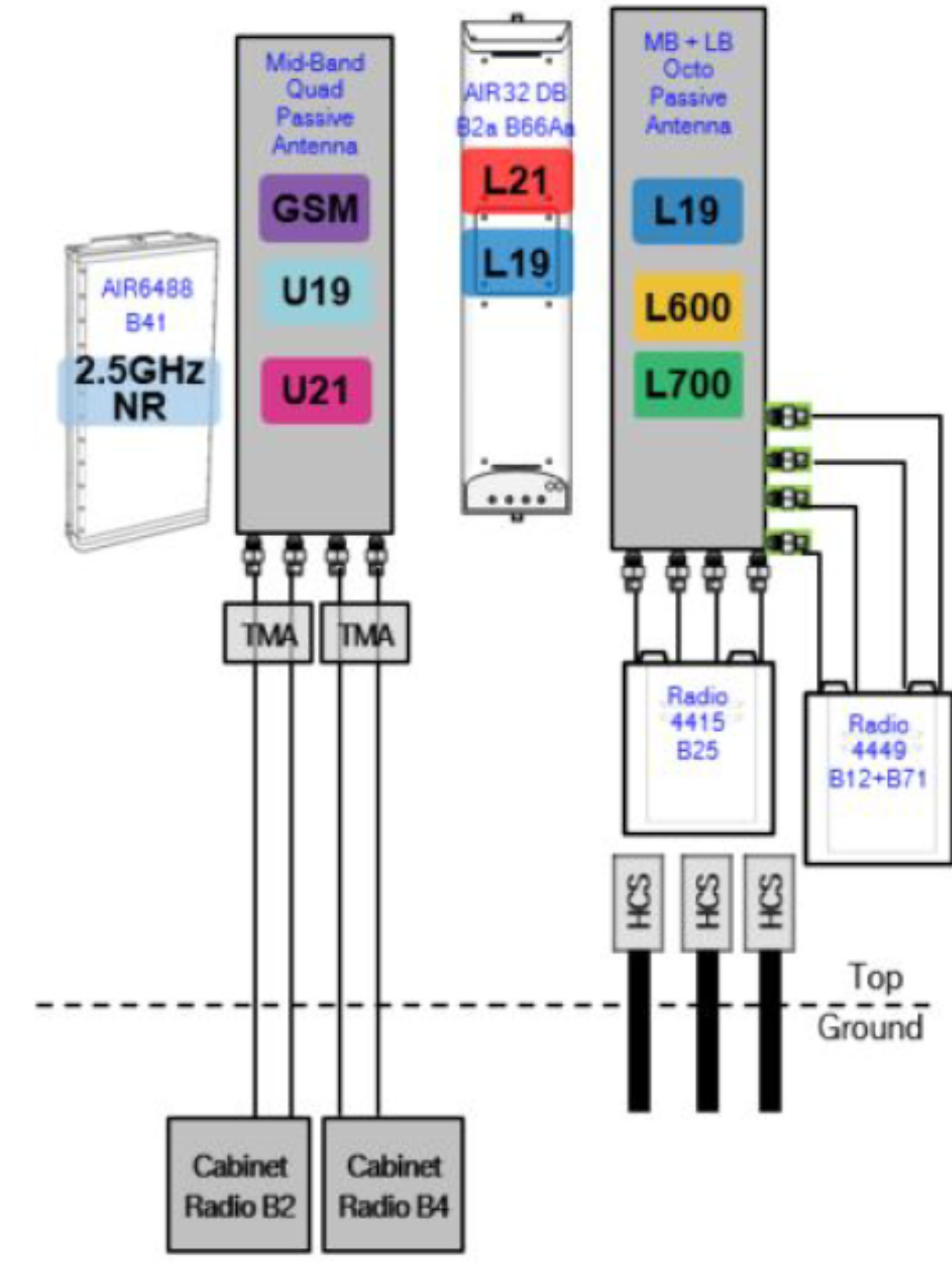
2 TYPICAL ANTENNA GROUNDING DETAIL
E-1 SCALE: NOT TO SCALE



GROUNDING SCHEMATIC NOTES

- #2 AWG
 - #6 AWG
- GENERAL NOTES:**
- ALL SURGE SUPPRESSION EQUIPMENT SHALL BE BONDED TO GROUND PER MANUFACTURER'S SPECIFICATIONS
 - UNLESS OTHERWISE NOTED OR REQUIRED BY CODE, GROUND CONDUCTORS SHOWN SHALL BE #2 AWG (SOLID TINNED BCW - EXTERIOR; STRANDED GREEN INSULATED - INTERIOR).
 - ALL SECTOR GROUND BARS SHALL BE BONDED TOGETHER WITH #2 AWG SOLID TINNED BCW.
 - BOND ALL EQUIPMENT CABINETS AND BATTERY CABINETS TO GROUND PER MANUFACTURER'S SPECIFICATIONS.
 - COORDINATE ALL ROOF MOUNTED EQUIPMENT WITH OWNER.
 - ALL ROOF MOUNTED AMPLIFIERS AND ASSOCIATED EQUIPMENT SHALL BE BONDED TO THE SECTOR GROUND BAR PER MANUFACTURER'S SPECIFICATIONS.
 - ALL GROUNDING SHALL BE IN ACCORDANCE WITH NEC AND OWNER'S REQUIREMENTS.

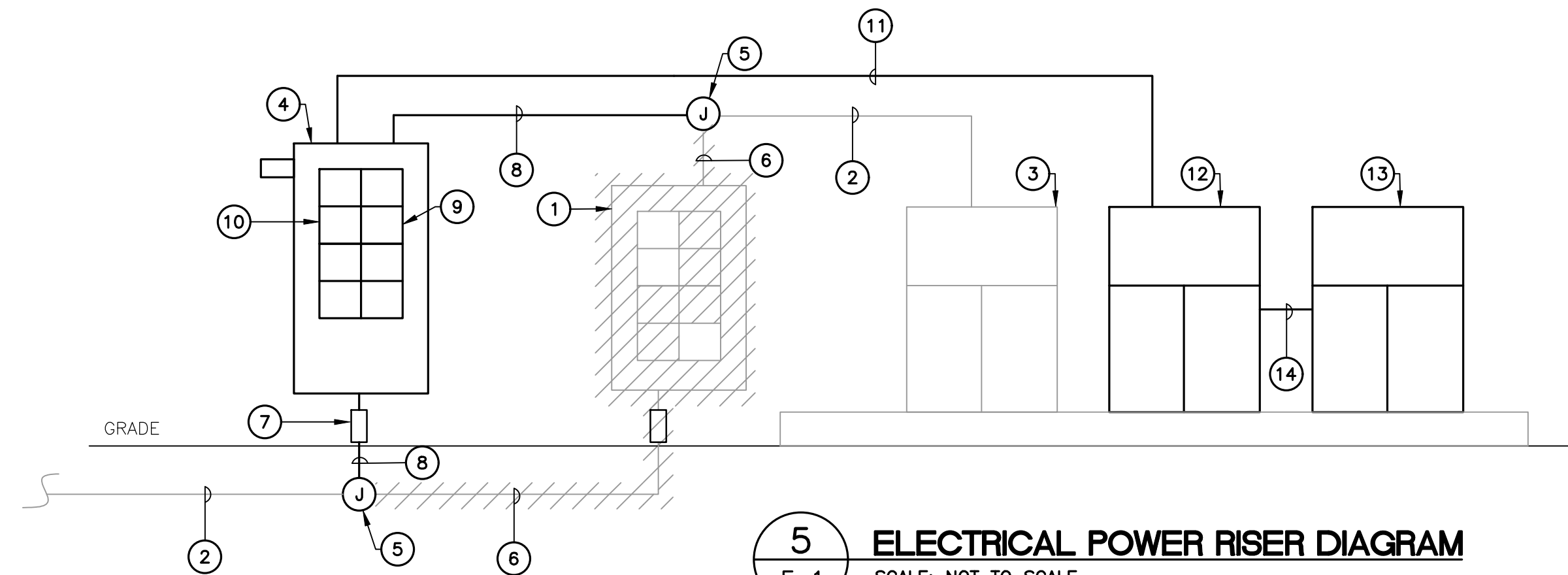
4 TYPICAL GROUNDING SCHEMATIC DETAIL
E-1 SCALE: NOT TO SCALE



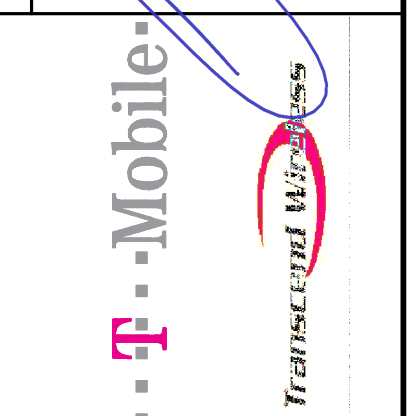
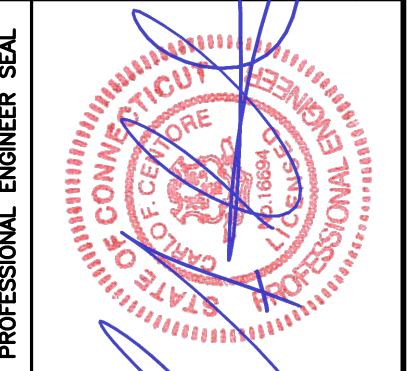
3 PROPOSED PLUMBING DIAGRAM
E-1 SCALE: NOT TO SCALE

RISER DIAGRAM NOTES

- EXISTING 200A, 120/240V, SINGLE PHASE PANEL TO BE REMOVED. RELOCATE ALL EXISTING CIRCUITS TO NEW PPC CABINET.
- SECTION OF EXISTING CONDUITS AND CONDUCTORS TO REMAIN.
- EXISTING EQUIPMENT CABINET TO REMAIN.
- NEW 200A PPC CABINET
- JUNCTION BOX SIZED PER NEC REQUIREMENTS
- SECTION OF CONDUITS AND CONDUCTORS TO BE REMOVED.
- EXPANSION COUPLING TYP.
- EXTEND EXISTING CONDUITS AND CONDUCTORS TO NEW PPC CABINET
- NEW 100A/2P CIRCUIT BREAKER TO SERVE EXISTING EQUIPMENT CABINET. COORDINATE CABINET DOWNGRADE WITH CONSTRUCTION MANAGER.
- NEW 100A/2P CIRCUIT BREAKER TO SERVE NEW EQUIPMENT CABINET.
- (3) #1 AWG, (1) #8 AWG GROUND, 1-1/4" CONDUIT.
- NEW RADIO EQUIPMENT CABINET.
- NEW BATTERY CABINET.
- DC CONDUIT AND CONDUCTORS FOR BATTERY CABINET CONNECTION PER MANUFACTURERS SPECIFICATIONS.



5 ELECTRICAL POWER RISER DIAGRAM
E-1 SCALE: NOT TO SCALE



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TYPICAL ELECTRICAL DETAILS

E-1
Sheet No. 8 of 8

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39 CARMEN HILL RD

Location 39 CARMEN HILL RD

Mblu B05/ / 013/ /

Acct# 02708000

Owner VERTICAL BRIDGE TOWERS
LLC

Assessment \$372,120

Appraisal \$531,590

PID 817

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$39,780	\$491,810	\$531,590

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$27,850	\$344,270	\$372,120

Owner of Record

Owner VERTICAL BRIDGE TOWERS LLC
Co-Owner C/O RYAN LLC, JONATHAN HART
Address 2800 POST OAK BLVD SUITE 3700
HOUSTON, TX 77056

Sale Price \$1,710,755
Certificate
Book & Page 706/ 707
Sale Date 11/10/2015
Instrument 22

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
VERTICAL BRIDGE TOWERS LLC	\$1,710,755		706/ 707	22	11/10/2015
TOWNSQUARE MEDIA DANBURY LLC	\$858,440		690/ 769	25	10/03/2014
AURORA OF DANBURY LLC	\$685,000		361/ 992	06	10/27/1999

Building Information

Building 1 : Section 1

Year Built: 1960
Living Area: 1,200

Building Attributes

Field	Description
STYLE	Commercial
MODEL	Ind/Comm
Grade	C-
Stories:	1
Occupancy	1
Exterior Wall 1	Wood Shingle
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt Shingl
Interior Wall 1	Drywall/Sheetr
Interior Wall 2	
Interior Floor 1	Hardwood
Interior Floor 2	
Heating Fuel	Oil
Heating Type	Forced Air
AC Type	None
Bldg Use	Cell Site
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	2011
Heat/AC	None
Frame Type	Wood Frame
Baths/Plumbing	Average
Ceiling/Wall	Ceil & Walls
Rooms/Prtns	Average
Wall Height	8
% Comn Wall	

Building Photo



(<http://images.vgsi.com/photos2/BrookfieldCTPhotos/\01\02\34\07.jpg>)

Building Layout



Building Sub-Areas (sq ft)			
Code	Description	Gross Area	Living Area
BAS	First Floor	1,200	1,200
RBM	Raised Basement	1,200	0
		2,400	1,200

Extra Features

Extra Features
No Data for Extra Features

Land

Land Use

Use Code 434
Description Cell Site
Zone R100

Land Line Valuation

Size (Acres) 4.2
Depth
Assessed Value \$344,270

Outbuildings

Outbuildings			
No Data for Outbuildings			

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$39,780	\$491,810	\$531,590
2018	\$39,780	\$491,810	\$531,590
2017	\$39,780	\$491,810	\$531,590

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$27,850	\$344,270	\$372,120
2018	\$27,850	\$344,270	\$372,120
2017	\$27,850	\$344,270	\$372,120