



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](mailto:siting.council@ct.gov)

Web Site: [portal.ct.gov/csc](http://portal.ct.gov/csc)

**VIA ELECTRONIC MAIL**

January 6, 2023

Domenica Tatasciore  
Site Acquisition Specialist  
Crown Castle  
1800 W. Park Drive  
Westborough, MA 01581  
[Domenica.Tatasciore@crowncastle.com](mailto:Domenica.Tatasciore@crowncastle.com)

**RE: EM-AT&T-034-221109** – AT&T notice of intent to modify an existing telecommunications facility located at 66 Sugar Hollow Road, Danbury, Connecticut.

Dear Domenica Tatasciore:

The Connecticut Siting Council (Council) is in receipt of your correspondence of January 5, 2023 submitted in response to the Council's November 16, 2022 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,

Melanie A. Bachman  
Executive Director

MAB/ANM/lm

**From:** Tatasciore, Domenica <Domenica.Tatasciore@crowncastle.com>  
**Sent:** Thursday, January 5, 2023 11:39 AM  
**To:** Robidoux, Evan <Evan.Robidoux@ct.gov>  
**Cc:** CSC-DL Siting Council <Siting.Council@ct.gov>; Chapman, Veronica <Veronica.Chapman@crowncastle.com>  
**Subject:** RE: Council Extension Letter for EM-AT&T-034-221109 (Sugar Hollow Road, Danbury)  
**Importance:** High

Good morning,

With reference to the documents cited in the Council's Incomplete Letter, dated November 16, 2022, please find attached the following revised documents that the letter asked me to send electronically prior to the January 9 deadline:

1. Construction Drawings;
2. Structural Analysis;
3. Mount Analysis;
4. EME.

Please advise if you have any questions.

Also, please note that out of the 3 submissions deemed incomplete and that received extensions, this marks the last remaining application that addresses the outstanding items as the previous 2 were already submitted to your office via email.

Take care,

**DOMENICA TATASCIORE**  
Site Acquisition Specialist  
T: 508-621-9161

**CROWN CASTLE**  
1800 West Park Drive, Westborough, MA 01581  
CrownCastle.com



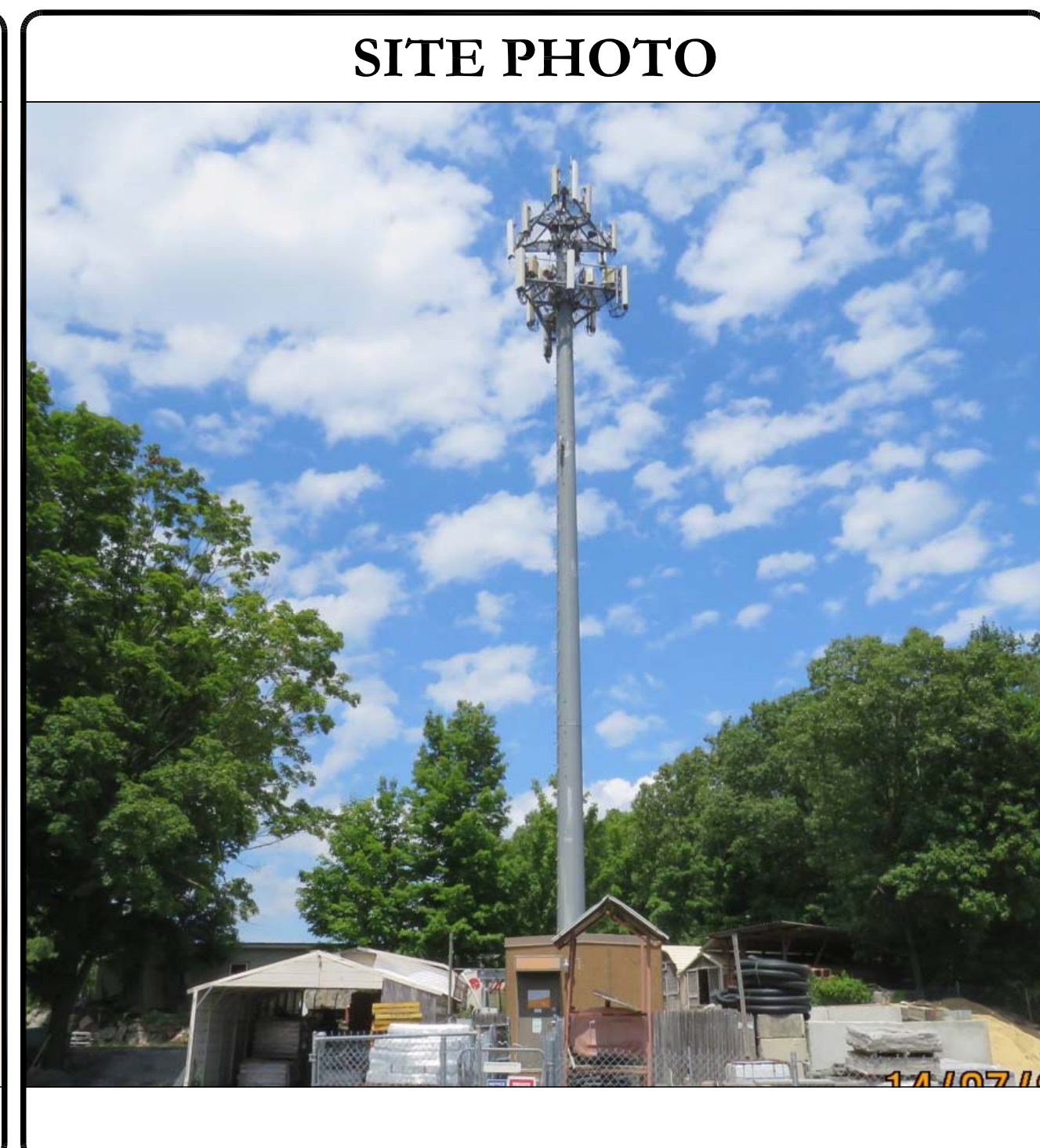
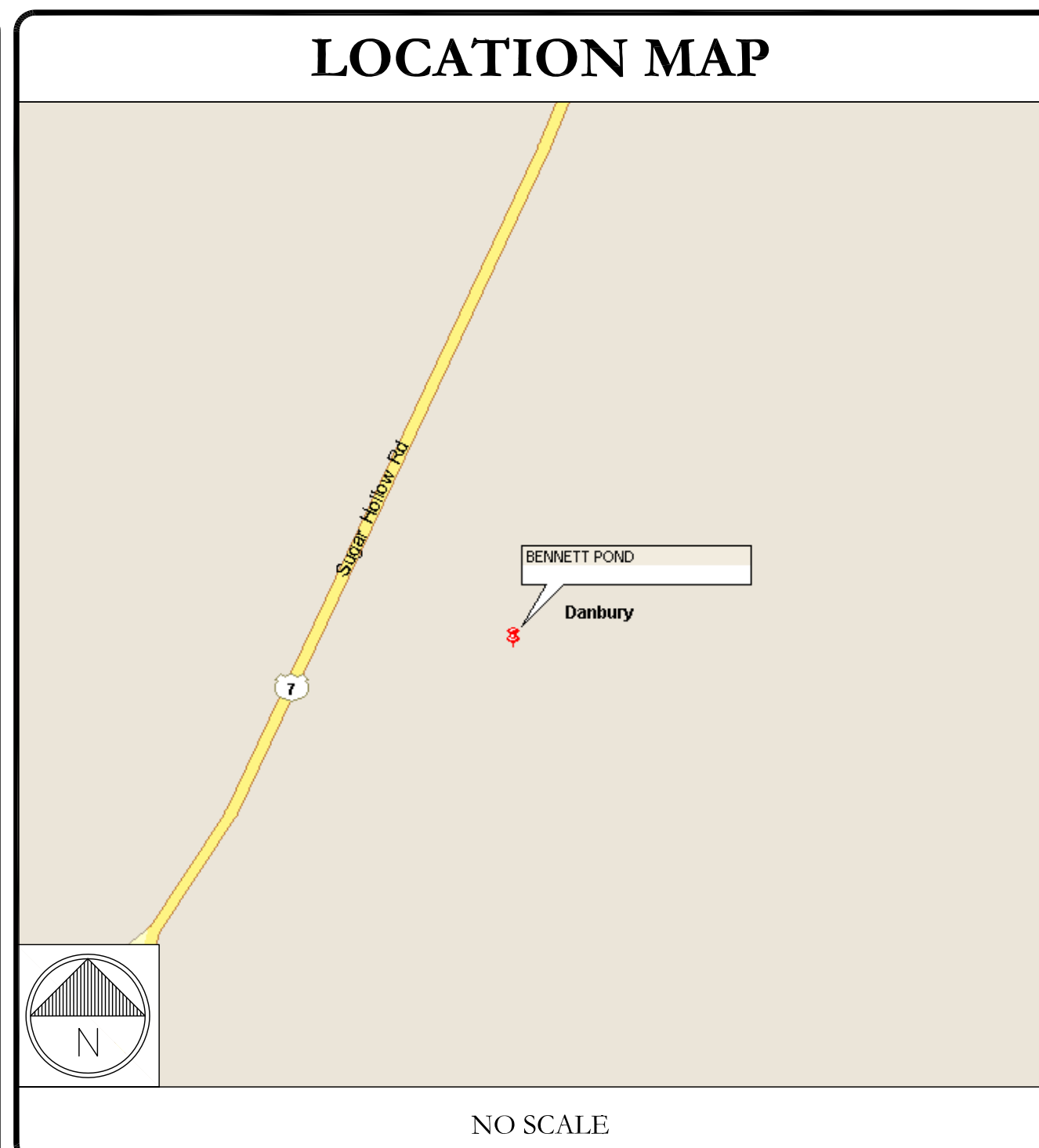
**AT&T SITE NUMBER:** CTL05069  
**AT&T SITE NAME:** BENNETT POND  
**AT&T FA CODE:** 10070924  
**AT&T PACE NUMBER:** MRCTB062143, MRCTB062175, MRCTB066614, MRCTB066596  
**AT&T PROJECT:** LTE 4C, LTE 3C

**BUSINESS UNIT #:** 842857  
**SITE ADDRESS:** 66 SUGAR HOLLOW ROAD  
**DANBURY, CT 06810**  
**COUNTY:** FAIRFIELD  
**SITE TYPE:** MONOPOLE  
**TOWER HEIGHT:** 106'-0"



SITE INFORMATION	
CROWN CASTLE USA INC.	BENNETT POND
SITE NAME:	
SITE ADDRESS:	66 SUGAR HOLLOW ROAD DANBURY, CT 06810
COUNTY:	FAIRFIELD
MAP/PARCEL #:	G250100000
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.336110
LONGITUDE:	-73.470710
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	534'
CURRENT ZONING:	LCL-40
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	SUGAR HOLLOW HOLDING LLC PEATT LUCILLE, 202-3 MAMANASCO RD RIDGEFIELD, CT 06877
TOWER OWNER:	CROWN CASTLE USA INC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	NORTHEAST UTILITIES 800-286-2000
TELCO PROVIDER:	LIGHTOWER 888-583-4237

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EQUIPMENT PLANS
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	ANTENNA SCHEDULE
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT SPECS.
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM
ATTACHED	AHCP CORNER PLATE KIT

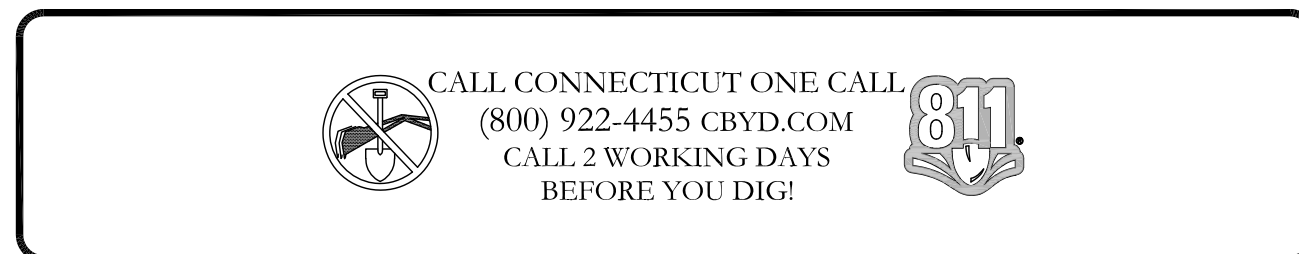


AT&T SITE NUMBER: CTL05069

**BU #: 842857**  
**BENNETT POND**  
 66 SUGAR HOLLOW ROAD  
 DANBURY, CT 06810  
 EXISTING  
 106'-0" MONOPOLE

PROJECT TEAM	
A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065  VERONICA CHAPMAN - PROJECT MANAGER VERONICA.CHAPMAN@CROWNCastle.COM  JASON D'AMICO - CONSTRUCTION MANAGER JASON.DAMICO@CROWNCastle.COM  HEATHER MILLER - AES HEATHER.MILLER@CROWNCastle.COM

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



**PROJECT DESCRIPTION**

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

**TOWER SCOPE OF WORK:**

- REMOVE (6) POWERWAVE - 7770.00.850.02 ANTENNAS
- REMOVE (3) POWERWAVE - P65-16-XLH-RR ANTENNAS
- REMOVE (3) ERICSSON - RRUS-11 B12 RRUs
- REMOVE (6) POWERWAVE - LGP21401
- REMOVE (3) POWERWAVE - TT19-08BP111-001 TMA's
- REMOVE (1) RAYCAP - DC6-48-60-18 SQUID
- REMOVE (6) COAX CABLES (1-5/8") & (1) 12-PAIR FIBER CABLE (3/8")
- RELOCATE (2) ERICSSON - 4449 B5/B12 FROM GROUND
- INSTALL MOUNT MODIFICATIONS PER MOUNT ANALYSIS BY INFINIGY DATED DECEMBER 22, 2022
- INSTALL (3) CCI - TPA65R-BU6DA-K ANTENNAS
- INSTALL (3) CCI - OPA65R-BU6DA ANTENNAS
- INSTALL (3) ERICSSON - 4478 B14 RRUs
- INSTALL (3) ERICSSON - 8843 B2/B66A RRUs
- INSTALL (1) ERICSSON - 4449 B5/B12 RRU
- INSTALL (1) RAYCAP - DC9-48-60-24-8C-EV SQUID
- INSTALL (1) 24-PAIR FIBER CABLE (3/8")
- INSTALL (1) 6AWG DC CABLE (7/8")
- INSTALL (6) DUAL RADIO MOUNTS
- INSTALL (6) Y-CABLES FOR DUAL BAND RADIOS

**GROUND SCOPE OF WORK:**

- REMOVE (3) ERICSSON - 4415 B25 RRUs
- INSTALL (1) XMU

**NOTE:**  
 THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

**APPLICABLE CODES & REFERENCE DOCUMENTS**

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2022 CONNECTICUT SBC
MECHANICAL	2022 CONNECTICUT SBC
ELECTRICAL	2022 CONNECTICUT SBC

**REFERENCE DOCUMENTS:**

STRUCTURAL ANALYSIS:	CROWN CASTLE
DATED:	8/17/22
MOUNT ANALYSIS:	INFINIGY
DATED:	12/22/22
RFDS REVISION:	PRELIMINARY
DATED:	10/11/22
ORDER ID:	614859
REVISION:	0
AC ELECTRICAL POWER DESIGN:	BY OTHERS
DATED:	

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/29/22	TDG	PRELIMINARY REVIEW	MTJ
0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ

MTS ENGINEERING P.L.L.C.  
 BER:2386985  
 Expires 3/31/23

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

<b>SHEET NUMBER:</b>	<b>REVISION:</b>
T-1	1

1:58154.004.01.0001\_842857\_BENNETT\_POND.dwg - SheetT-1 - User: mjonas - Dec 28, 2022 - 9:53am



AT&T SITE NUMBER: CTL05069

BU #: 842857  
BENNETT POND  
66 SUGAR HOLLOW ROAD  
DANBURY, CT 06810

EXISTING  
106'-0" MONOPOLE

ISSUED FOR:

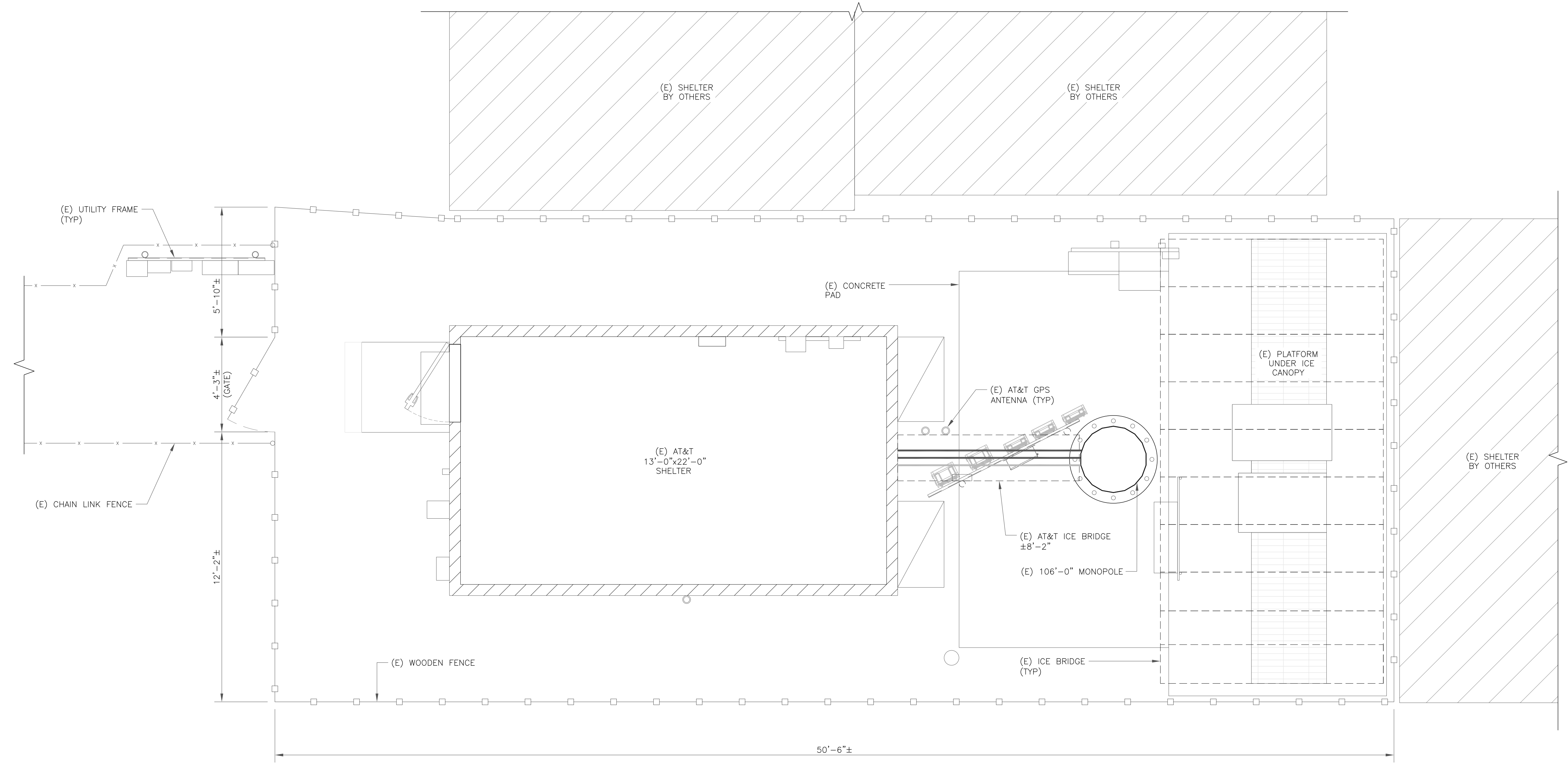
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/29/22	TDG	PRELIMINARY REVIEW	MTJ
0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ

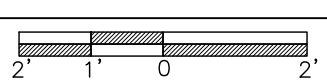


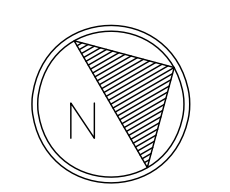
MTS ENGINEERING P.L.L.C.  
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SHEET NUMBER: **C-1.1** REVISION: **1**



1 SITE PLAN  
SCALE:  3/8"=1'-0" (FULL SIZE)  
3/16"=1'-0" (11x17)



158154.004.01.0001\_842857\_BENNETT\_POND.dwg - Sheet-C-1.1 - User: mjonas - Dec. 28, 2022 - 9:55am



575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



3 CORPORATE PARK DRIVE, SUITE 101  
CLIFTON PARK, NY 12065



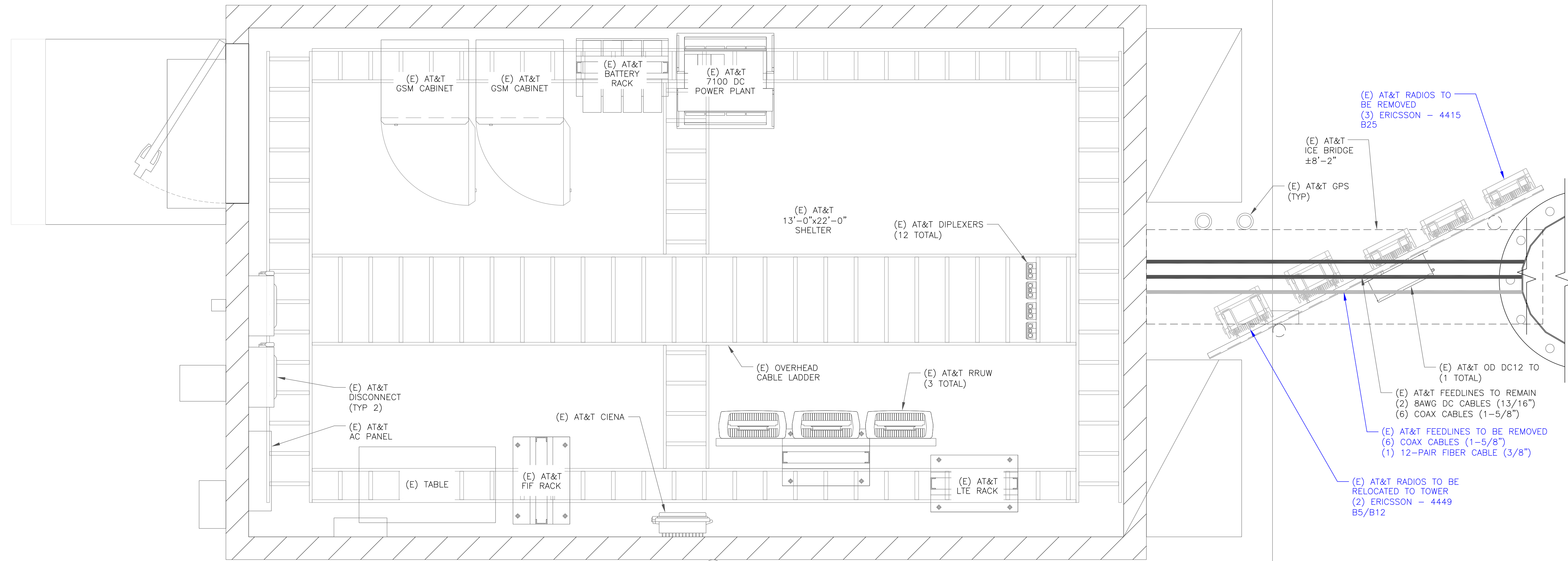
1717 S. BOULDER  
SUITE 300  
TULSA, OK 74119  
PH: (918) 587-4630  
www.blgrp.com

AT&T SITE NUMBER: CTL05069

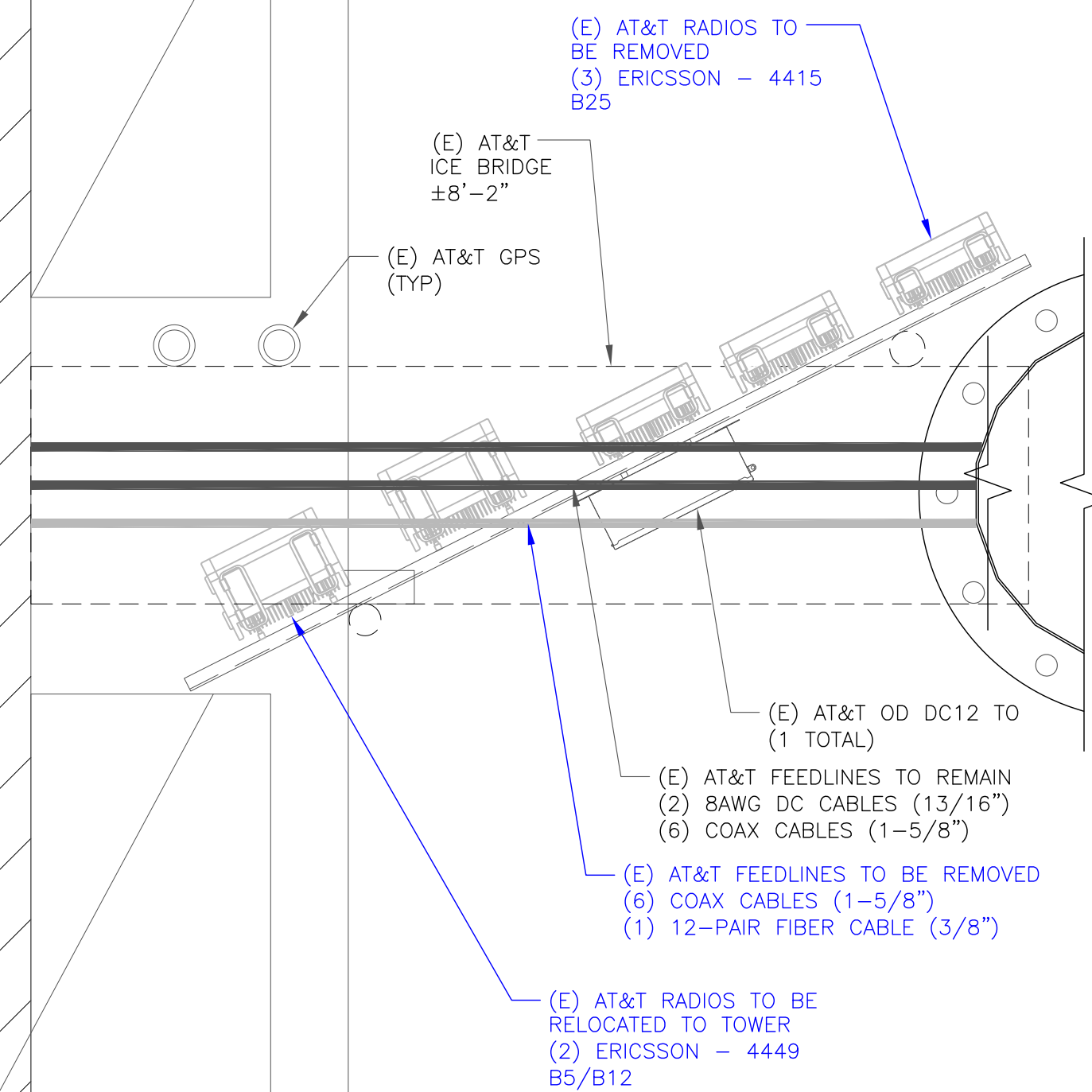
BU #: 842857  
BENNETT POND

66 SUGAR HOLLOW ROAD  
DANBURY, CT 06810

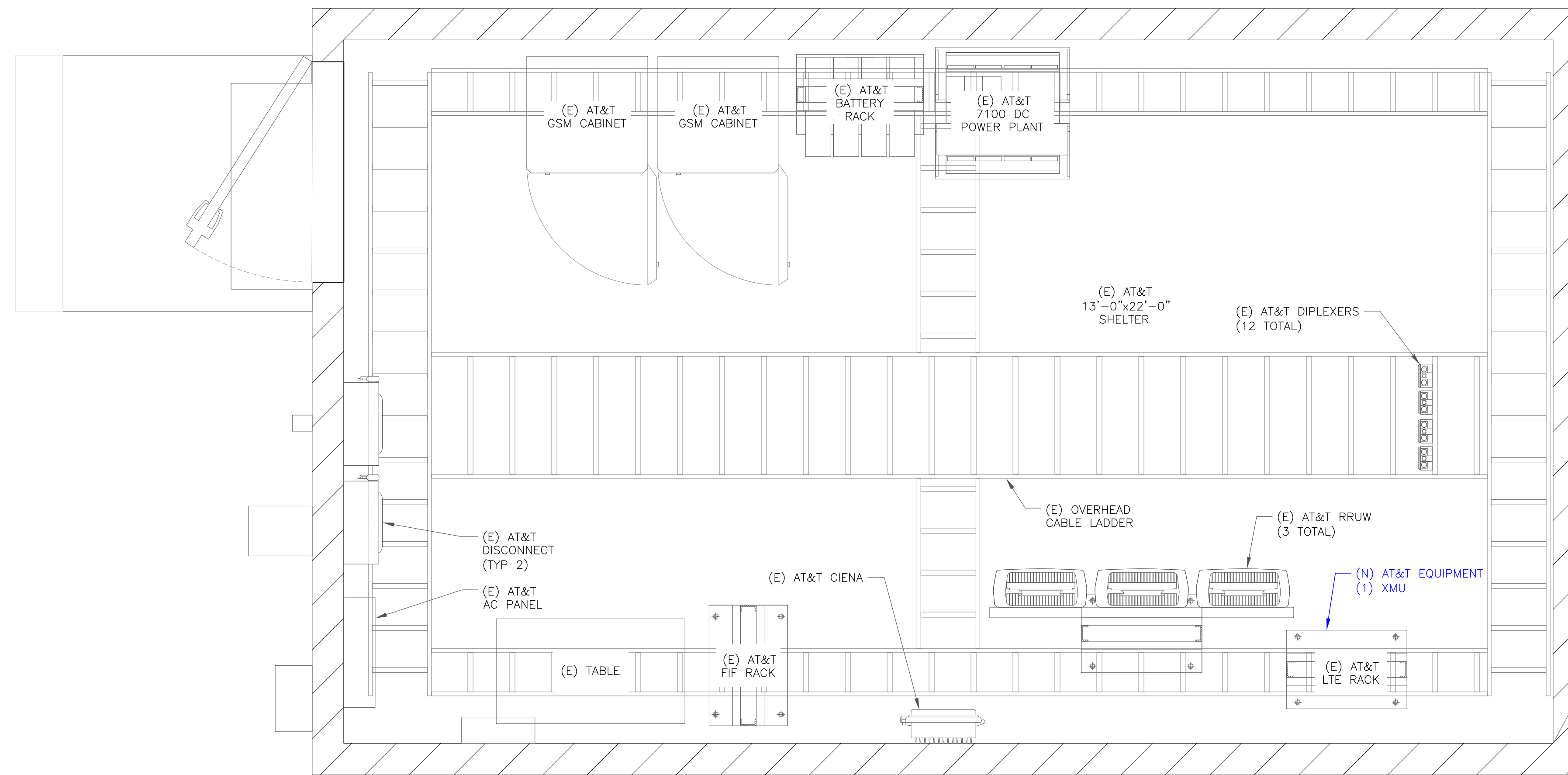
EXISTING  
106'-0" MONOPOLE



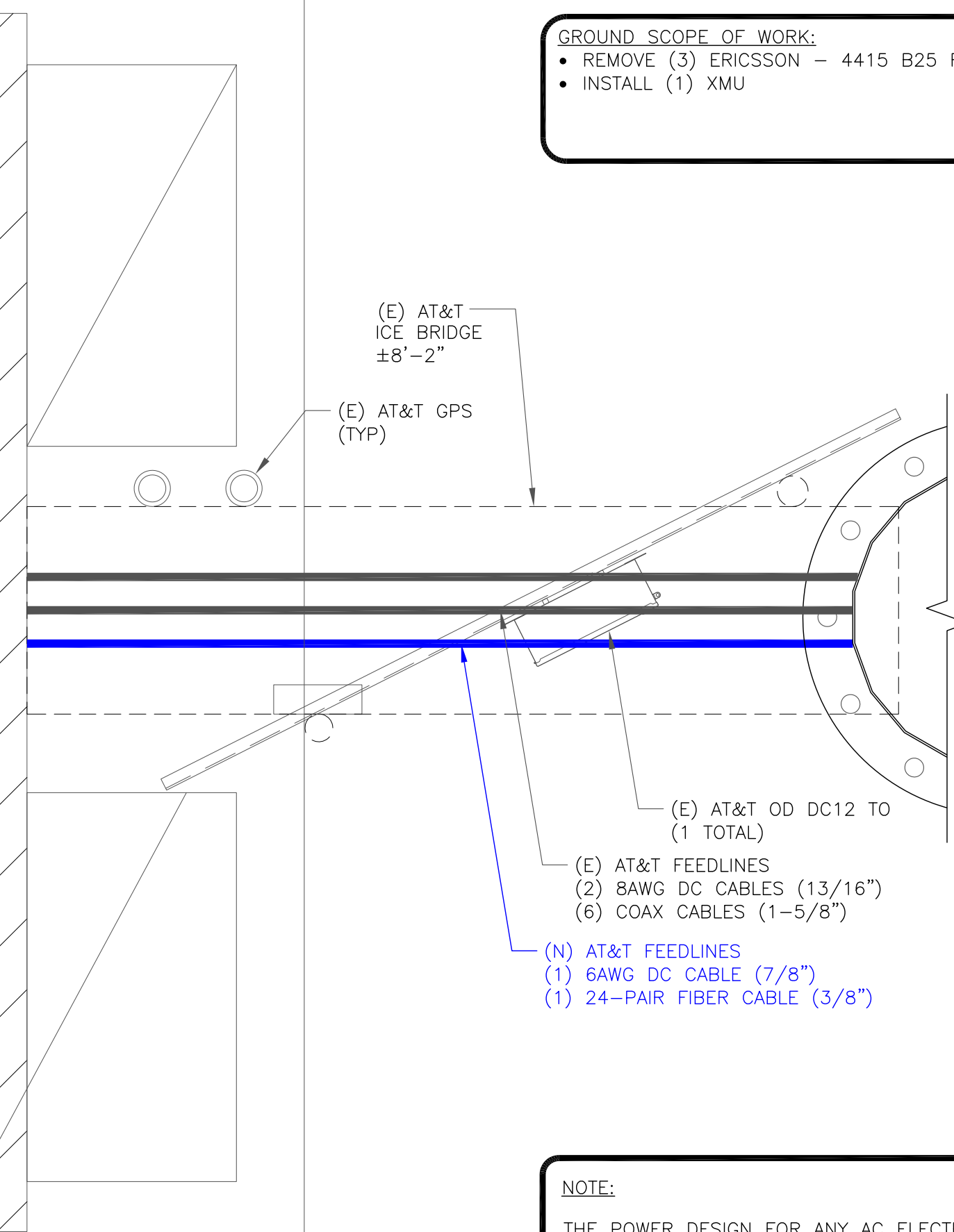
1 EXISTING EQUIPMENT PLAN  
SCALE: 3/4"=1'-0" (FULL SIZE)  
3/8"=1'-0" (11x17)



(E) AT&T ICE BRIDGE ±8'-2"  
(E) AT&T GPS (TYP)  
(E) AT&T RADIOS TO BE REMOVED  
(3) ERICSSON - 4415 B25  
(E) AT&T OD DC12 TO (1 TOTAL)  
(E) AT&T FEEDLINES TO REMAIN  
(2) 8AWG DC CABLES (13/16")  
(6) COAX CABLES (1-5/8")  
(E) AT&T FEEDLINES TO BE REMOVED  
(6) COAX CABLES (1-5/8")  
(1) 12-PAIR FIBER CABLE (3/8")  
(E) AT&T RADIOS TO BE RELOCATED TO TOWER  
(2) ERICSSON - 4449 B5/B12



2 FINAL EQUIPMENT PLAN  
SCALE: 3/4"=1'-0" (FULL SIZE)  
3/8"=1'-0" (11x17)



GROUND SCOPE OF WORK:  
• REMOVE (3) ERICSSON - 4415 B25 RRUS  
• INSTALL (1) XMU

(N) AT&T FEEDLINES  
(1) 6AWG DC CABLE (7/8")  
(1) 24-PAIR FIBER CABLE (3/8")

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ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/29/22	TDG	PRELIMINARY REVIEW	MTJ
0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ

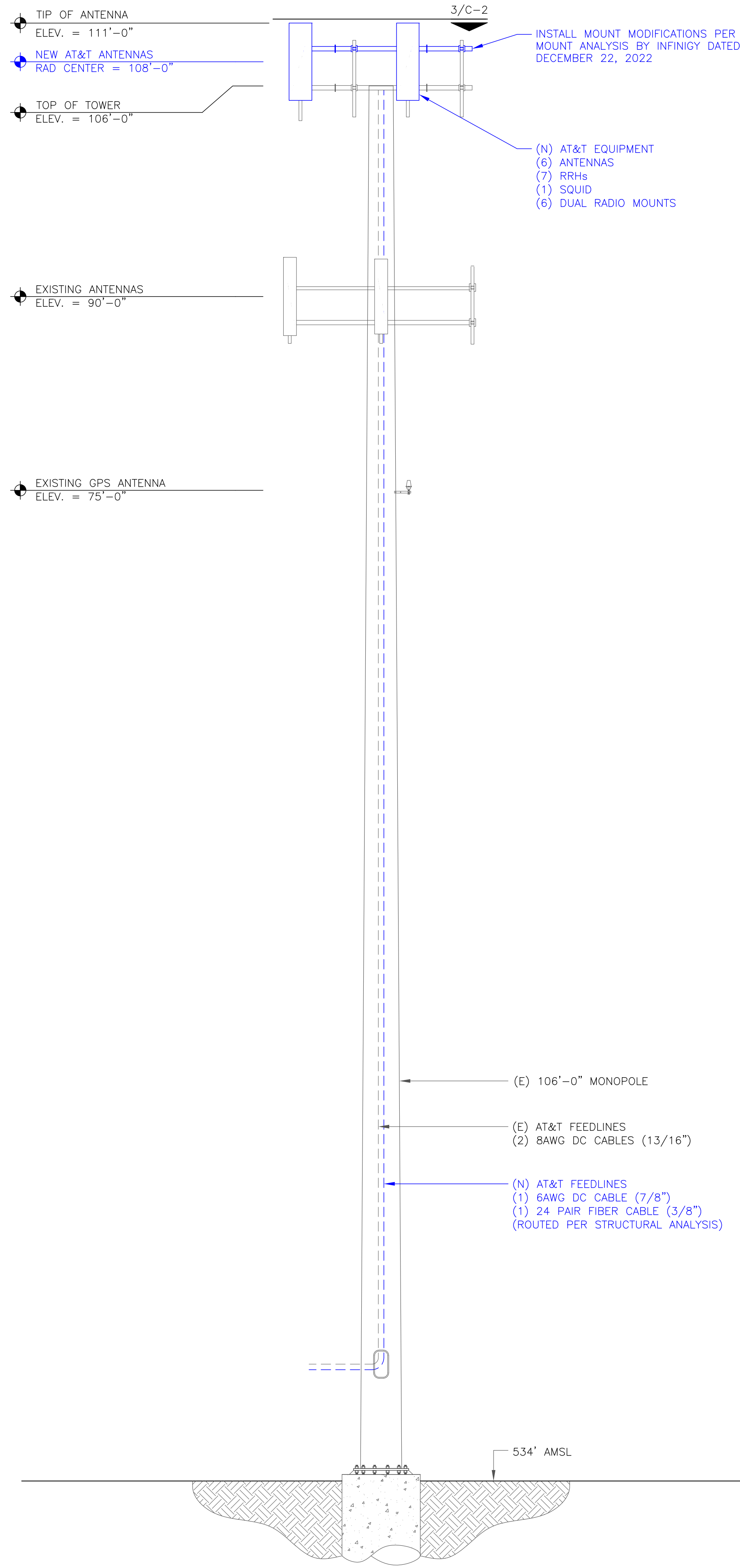


MTS ENGINEERING P.L.L.C.  
BER:2386985  
Expires 3/31/23

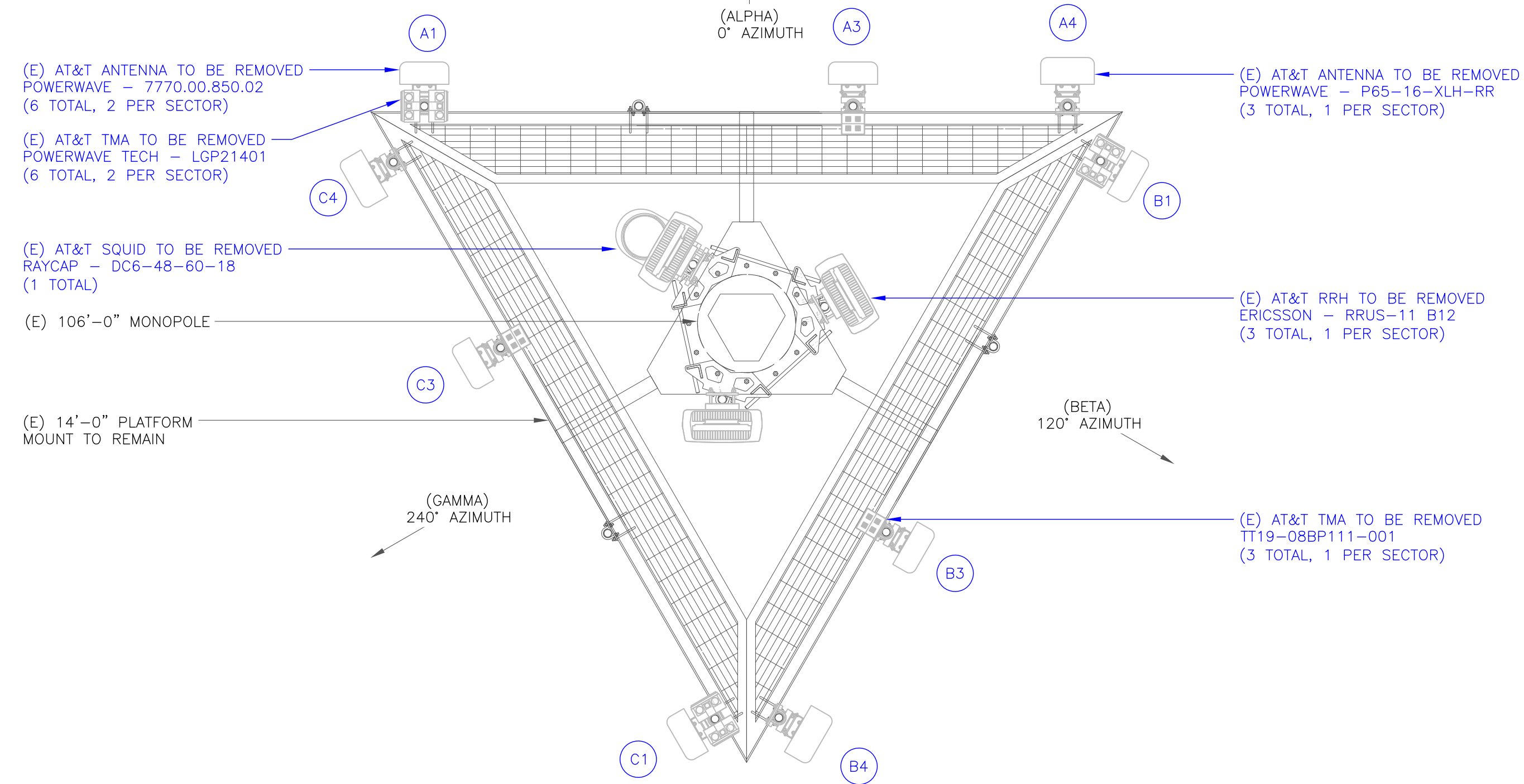
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SHEET NUMBER: **C-1.2** REVISION: **1**

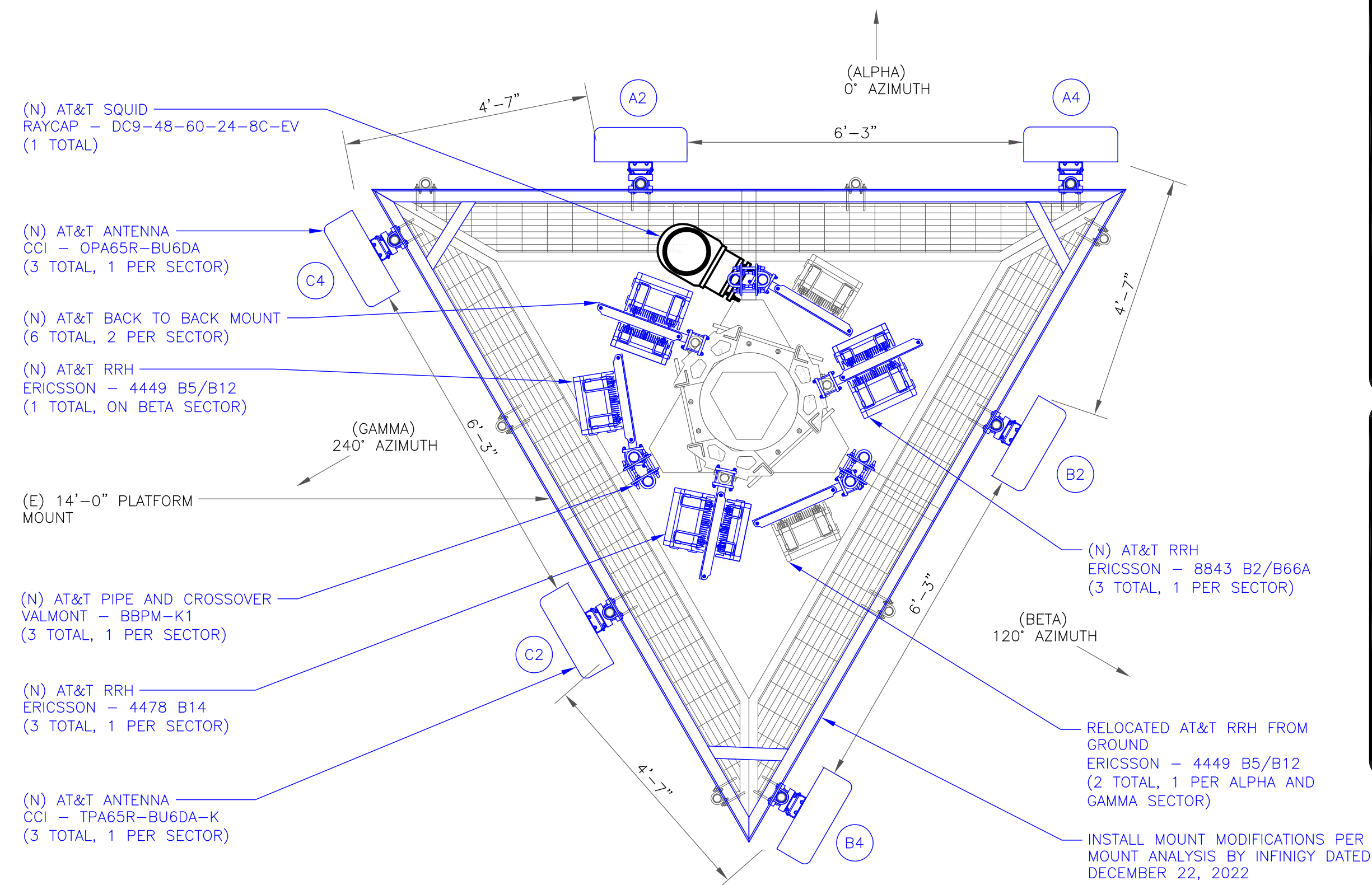
158154.004.01.0001\_842857\_BENNETT\_POND.dwg - Sheet-C-1.2 - User: mjonas - Dec 28, 2022 - 9:55am



1 FINAL ELEVATION  
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN  
SCALE: 1/2"=1'-0" (FULL SIZE)  
1/4"=1'-0" (11x17)



3 FINAL ANTENNA PLAN  
SCALE: 1/2"=1'-0" (FULL SIZE)  
1/4"=1'-0" (11x17)

"LOOK UP" - CROWN CASTLE USA INC.  
SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

- INSTALLER NOTES:
- REFERENCE C-3 FOR FINAL EQUIPMENT SCHEDULE.
  - REFERENCE C-4 FOR NEW EQUIPMENT SPECIFICATIONS.
  - CONTRACTOR TO VERIFY ALL ANTENNA TIP HEIGHTS DO NOT EXCEED BEACON BASE HEIGHT.
  - 3'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE ANTENNAS ON SAME SECTOR.
  - 6'-0" MINIMUM DISTANCE REQUIRED BETWEEN 700BC & 700DE ANTENNAS ON SAME SECTOR.
  - 4'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE 700 ANTENNAS ON OPPOSING SECTORS.
  - ALL ANTENNA MEASUREMENT DISTANCES MUST BE EDGE TO EDGE (RELOCATE ANTENNAS AS NEEDED).
  - 8" MINIMUM DISTANCE REQUIRED BETWEEN ANTENNA & RADIO. SEE GENERIC EXAMPLE DETAIL ON SHEET C-4.

575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300

3 CORPORATE PARK DRIVE, SUITE 101  
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1717 S. BOULDER  
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AT&T SITE NUMBER: CTL05069

BU #: 842857  
BENNETT POND

66 SUGAR HOLLOW ROAD  
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ISSUED FOR:

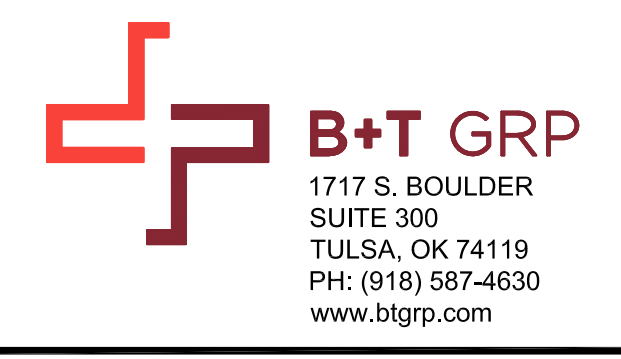
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1	12/28/22	TDG	CONSTRUCTION	MTJ

MTS ENGINEERING P.L.L.C.  
BER:2386985  
Expires 3/31/23

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SHEET NUMBER: **C-2** REVISION: **1**

1:58154.004.01.0001\_842857\_BENNETT\_POND.dwg - Sheet-C-2 - User: mjonas - Dec 28, 2022 - 9:55am



AT&T SITE NUMBER: CTL05069

BU #: 842857  
BENNETT POND

66 SUGAR HOLLOW ROAD  
DANBURY, CT 06810

EXISTING  
106'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/29/22	TDG	PRELIMINARY REVIEW	MTJ
0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ



MTS ENGINEERING P.L.L.C.  
BER:2386985  
Expires 3/31/23

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SHEET NUMBER: **C-3** REVISION: **1**

FINAL EQUIPMENT SCHEDULE  
(VERIFY WITH CURRENT RFDS)

ALPHA																			
POSITION	ANTENNA				RADIO			DIPLEXER			TMA			SURGE PROTECTION		CABLES			
	TECH.	STATUS/MANUFACTURER MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS/MANUFACTURER MODEL	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH	
A2	LTE/5G	(N) CCI - TPA65R-BU6DA-K	0°	108'-0"	1	(N) RADIO 4478 B14	TOWER	-	-	-	-	-	-	-	-	2	(E) DC	13/16"	158'-0"
					1	(N) 8843 B2/B66A (N) Y CABLE	TOWER	-	-	-	-	-	-	-	(N) DC9-48-60-24-8C-EV	1	(N) DC (N) FIBER	7/8" 3/8"	158'-0" 158'-0"
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A4	LTE/5G	(N) CCI - OPA65R-BU6DA	0°	108'-0"	1	(E) RADIO 4449 B5/B12 (N) Y CABLE	TOWER	-	-	-	-	-	-	-	-	-	-	-	
BETA																			
B2	LTE/5G	(N) CCI - TPA65R-BU6DA-K	120°	108'-0"	1	(N) RADIO 4478 B14	TOWER	-	-	-	-	-	-	-	-	-	-	-	-
					1	(N) 8843 B2/B66A (N) Y CABLE	TOWER	-	-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-		
B4	LTE/5G	(N) CCI - OPA65R-BU6DA	120°	108'-0"	1	(N) RADIO 4449 B5/B12 (N) Y CABLE	TOWER	-	-	-	-	-	-	-	-	-	-	-	
GAMMA																			
C2	LTE/5G	(N) CCI - TPA65R-BU6DA-K	240°	108'-0"	1	(N) RADIO 4478 B14	TOWER	-	-	-	-	-	-	-	-	-	-	-	-
					1	(N) 8843 B2/B66A (N) Y CABLE	TOWER	-	-	-	-	-	-	-	-	-	-		
					-	-	-	-	-	-	-	-	-	-	-	-			
C4	LTE/5G	(N) CCI - OPA65R-BU6DA	240°	108'-0"	1	(E) RADIO 4449 B5/B12 (N) Y CABLE	TOWER	-	-	-	-	-	-	-	-	-	-	-	
															UNUSED FEEDLINES:	6	COAX	1-5/8"	158'-0"

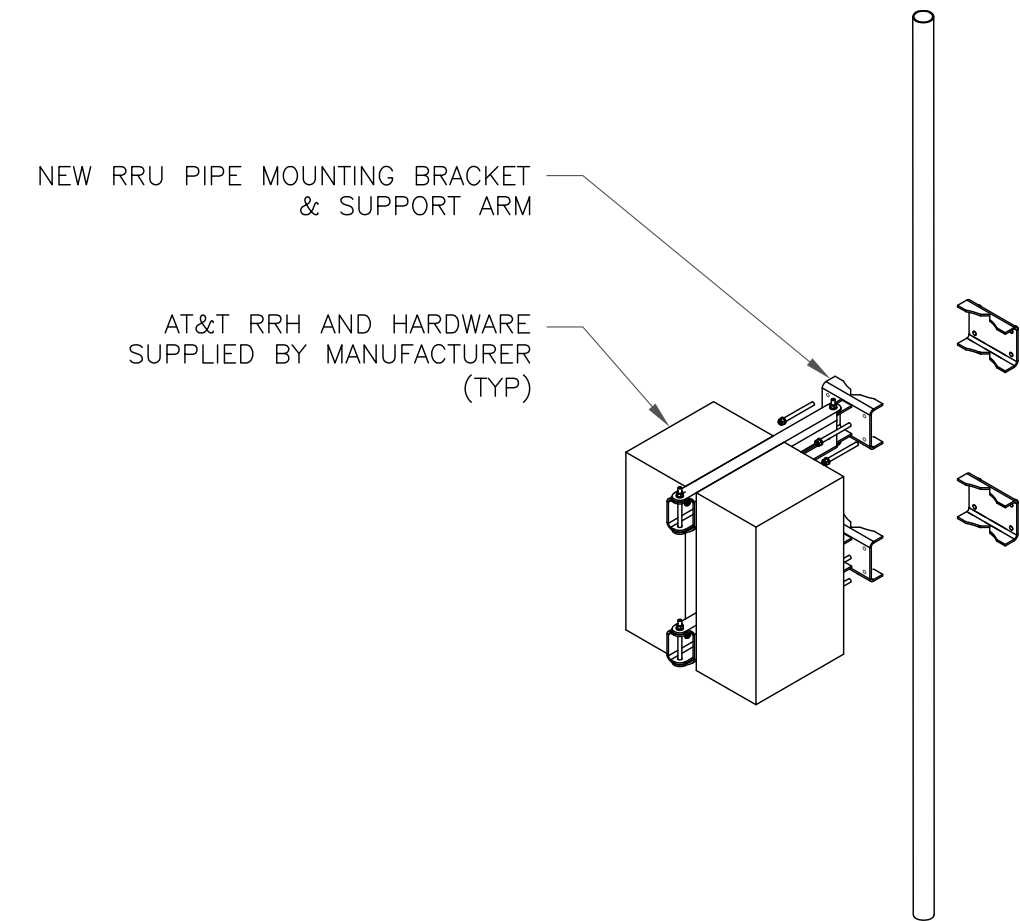
1 FINAL ANTENNA AND FEEDLINE SCHEDULE  
SCALE: NOT TO SCALE

158154.004.01.0001\_842857\_BENNETT\_POND.dwg - Sheet-C-3 - User: mjonas - Dec. 28, 2022 - 9:55am

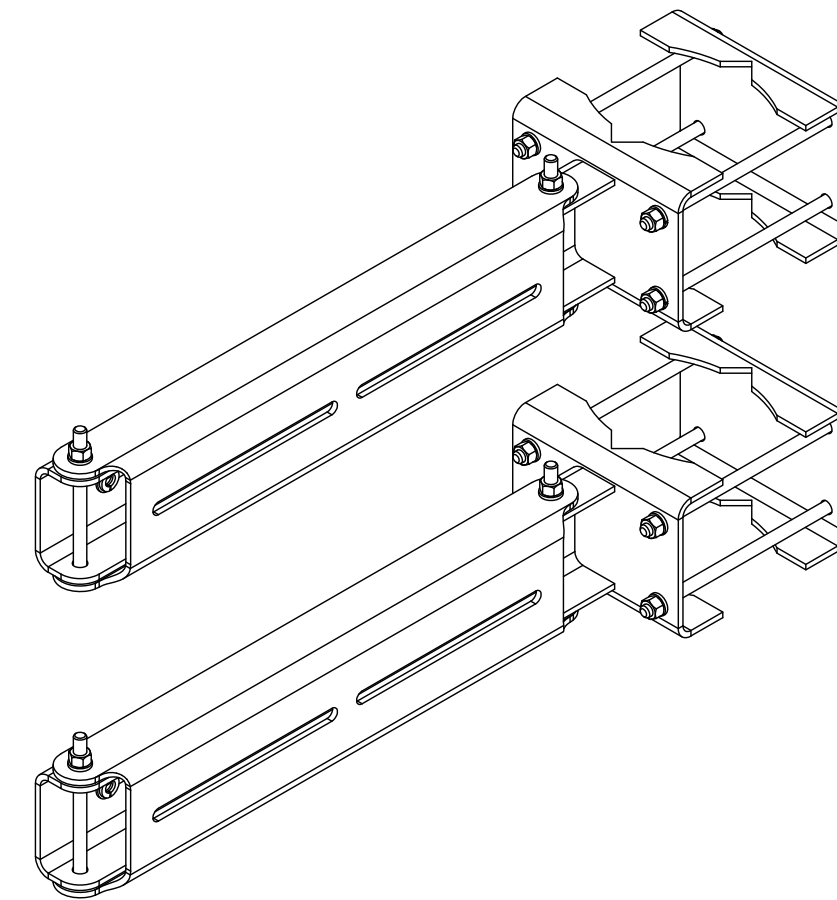


**INSTALLER NOTE:**

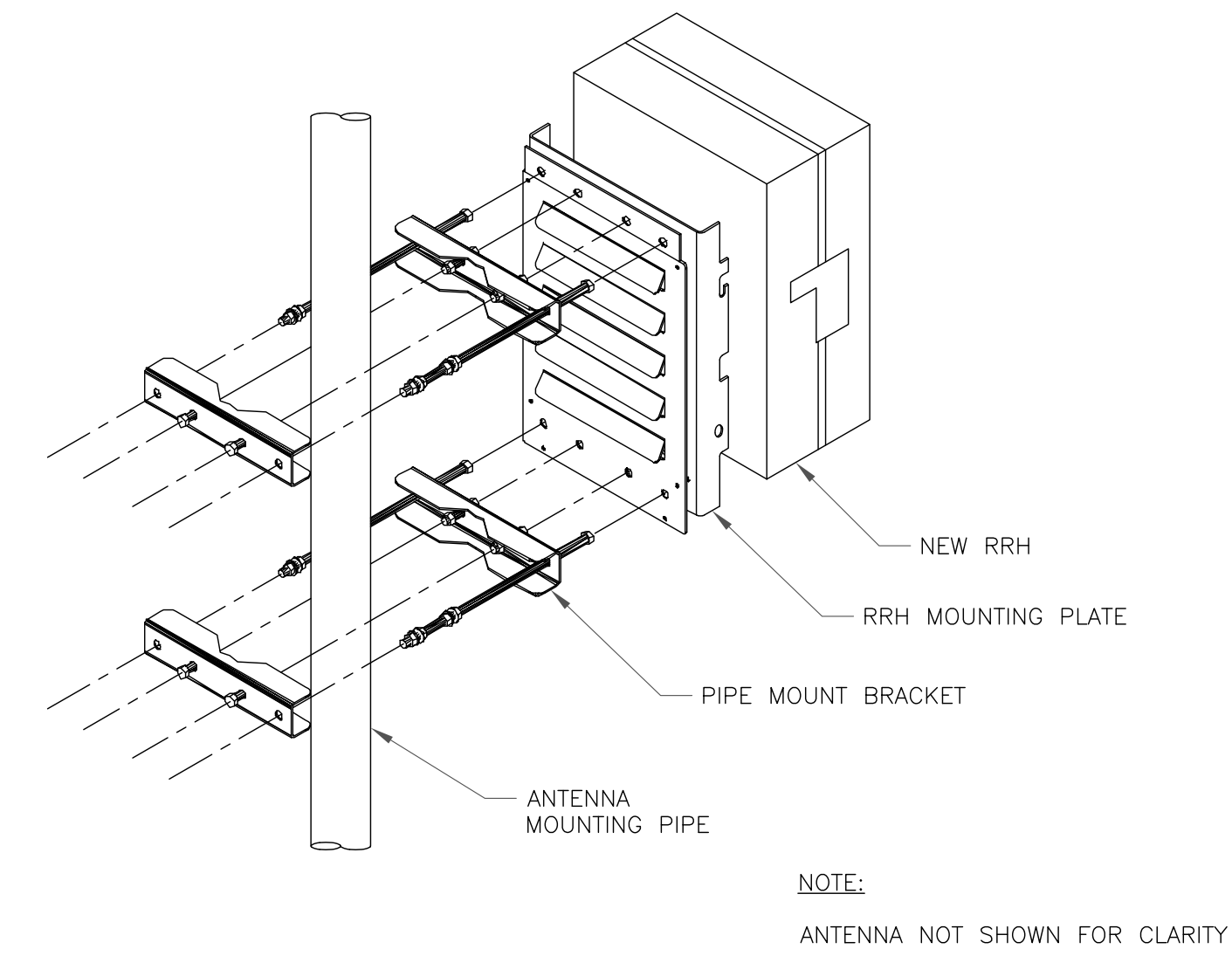
1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.
4. RRHs SHALL NOT BE INSTALLED CLOSER THAN 8" TO ANTENNAS.



1 DUAL RRH MOUNTING DETAIL  
SCALE: NOT TO SCALE



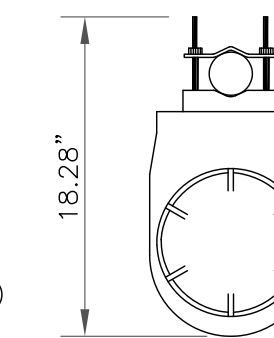
2 DUAL RADIO MOUNT  
SCALE: NOT TO SCALE



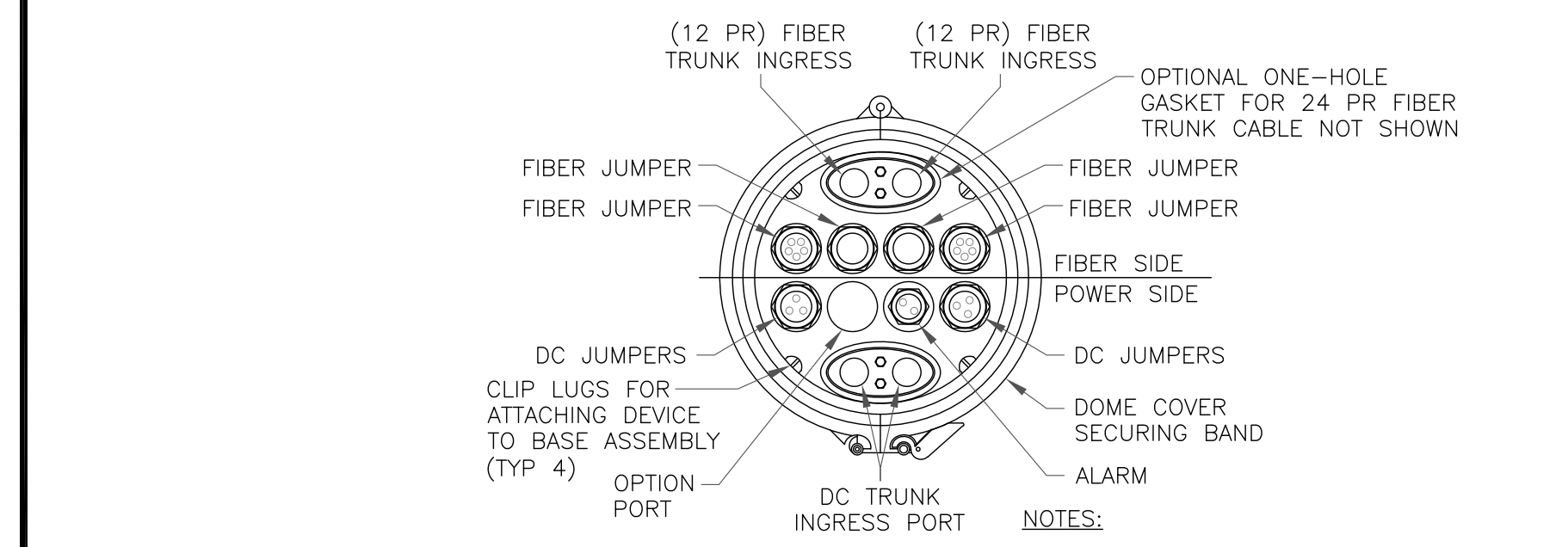
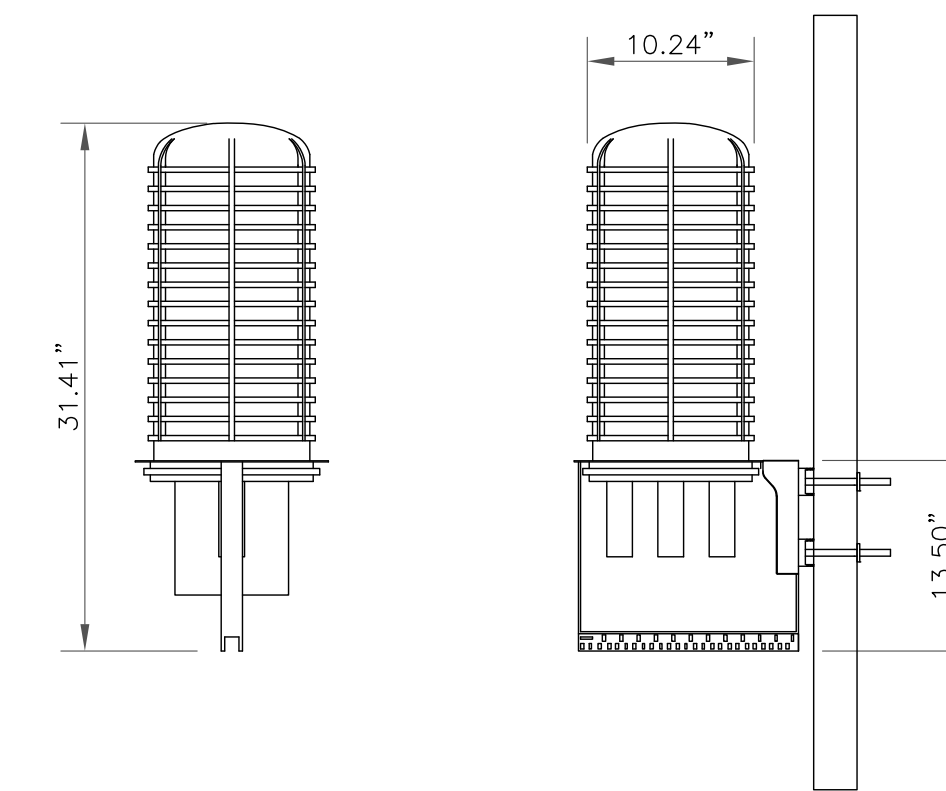
3 SINGLE RRH MOUNTING DETAIL  
SCALE: NOT TO SCALE

**RAYCAP**  
DC9-48-60-24-8C-EV

RAYCAP - DC9-48-60-24-8C-EV  
SIZE: 10.24x31.40 IN.  
WEIGHT: 26.2 LBS  
NOMINAL OPERATING VOLTAGE: 48 VDC  
VOLTAGE PROTECTION RATING: 330 V  
WIND LOADING: 150 MPH SUSTAINED (105.7 LBS)  
WIND LOADING: 195 MPH GUST (213.6 LBS)



CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION

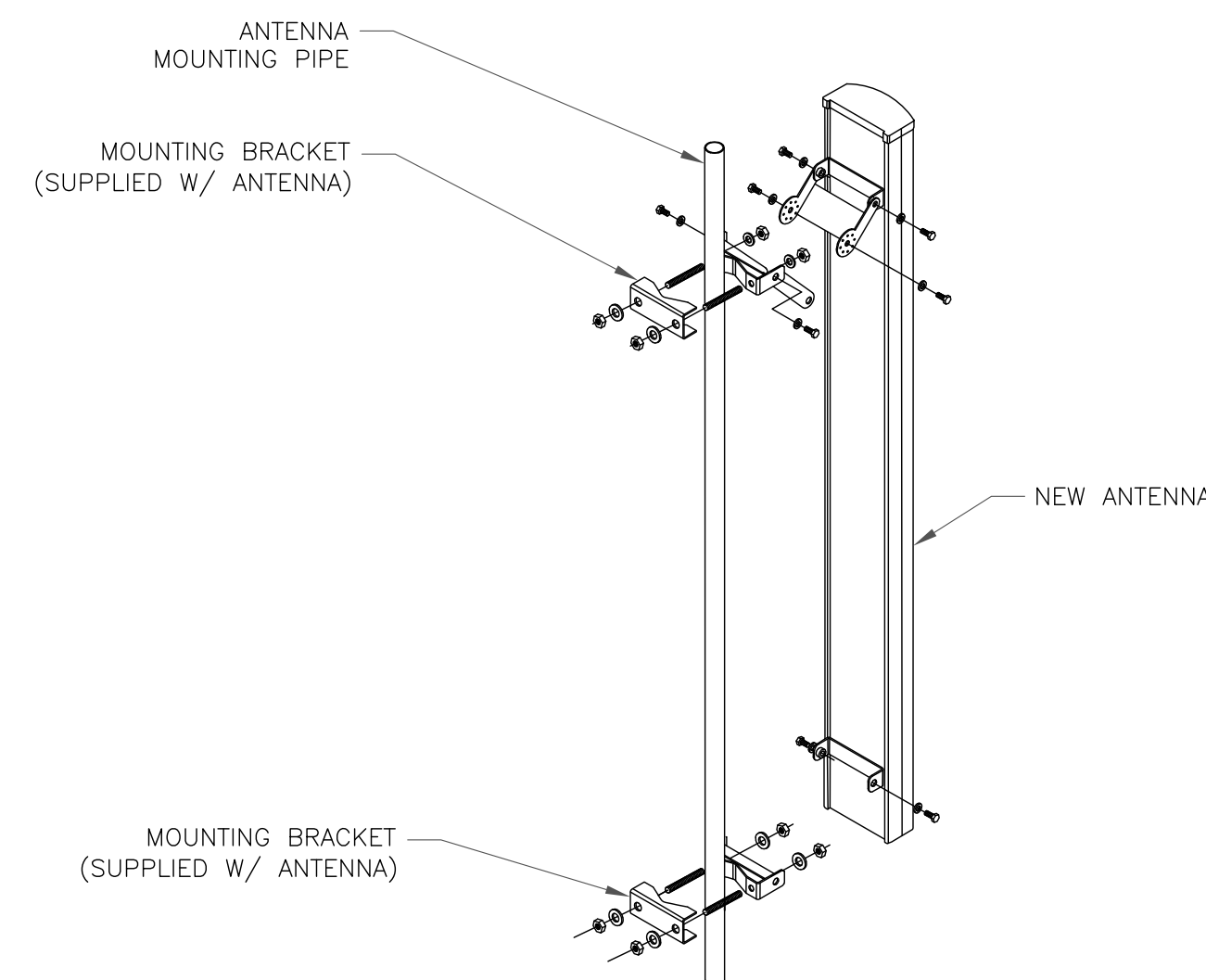


**NOTES:**  
1. REMOVE CABLE SEALING GLAND AND INSTALL M32x1.5 METRIC-TO-1" NPT ADAPTER (COOPER CROUSE-HINES P/N CAP 740 994 OR EQUIVALENT MFR) WHEN CONNECTING CONDUIT TO OVP.

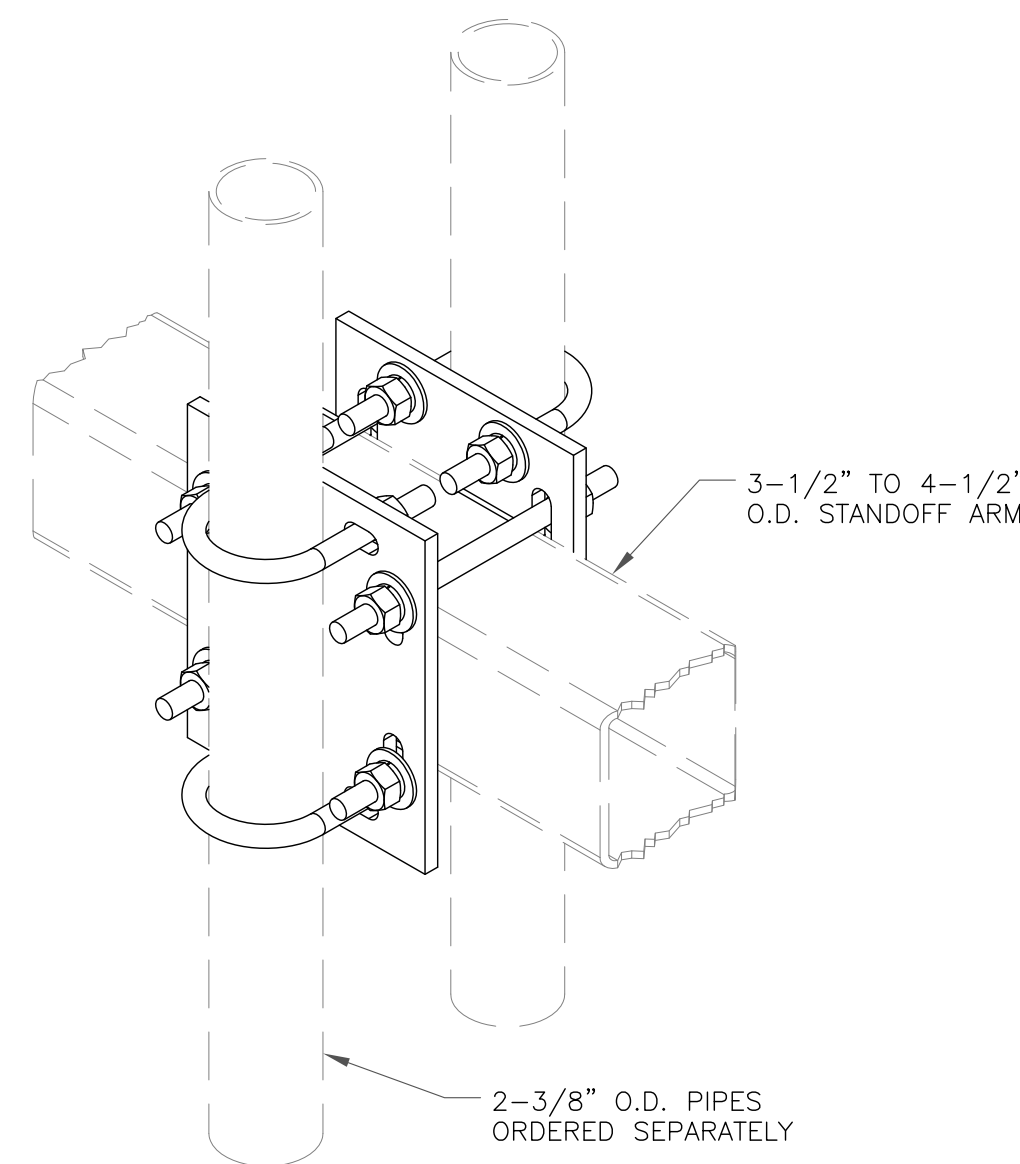
6 SQUID MOUNTING DETAIL  
SCALE: NOT TO SCALE

**INSTALLER NOTE:**

ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.  
MAINTAIN MINIMUM 8" SEPARATION BETWEEN ANTENNA AND EQUIPMENT.



5 ANTENNA MOUNTING DETAIL  
SCALE: NOT TO SCALE



4 VALMONT - BBPM-K1  
SCALE: NOT TO SCALE

575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300

3 CORPORATE PARK DRIVE, SUITE 101  
CLIFTON PARK, NY 12065

1717 S. BOULDER  
SUITE 300  
TULSA, OK 74119  
PH: (918) 587-4630  
www.blgrp.com

AT&T SITE NUMBER: CTL05069

BU #: 842857  
BENNETT POND

66 SUGAR HOLLOW ROAD  
DANBURY, CT 06810

EXISTING  
106'-0" MONOPOLE

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/29/22	TDG	PRELIMINARY REVIEW	MTJ
0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ



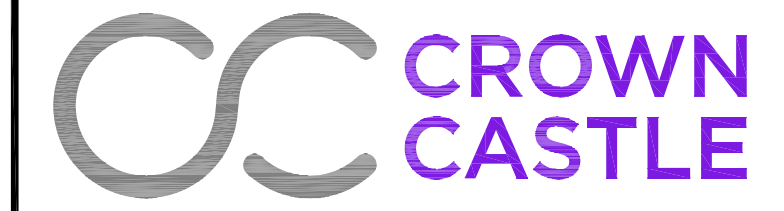
MTS ENGINEERING P.L.L.C.  
BER:2386985  
Expires 3/31/23

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SHEET NUMBER: **C-4** REVISION: **1**



575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



3 CORPORATE PARK DRIVE, SUITE 101  
CLIFTON PARK, NY 12065



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SUITE 300  
TULSA, OK 74119  
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EXISTING  
106'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ



MTS ENGINEERING P.L.L.C.  
BER:2386985  
Expires 3/31/23

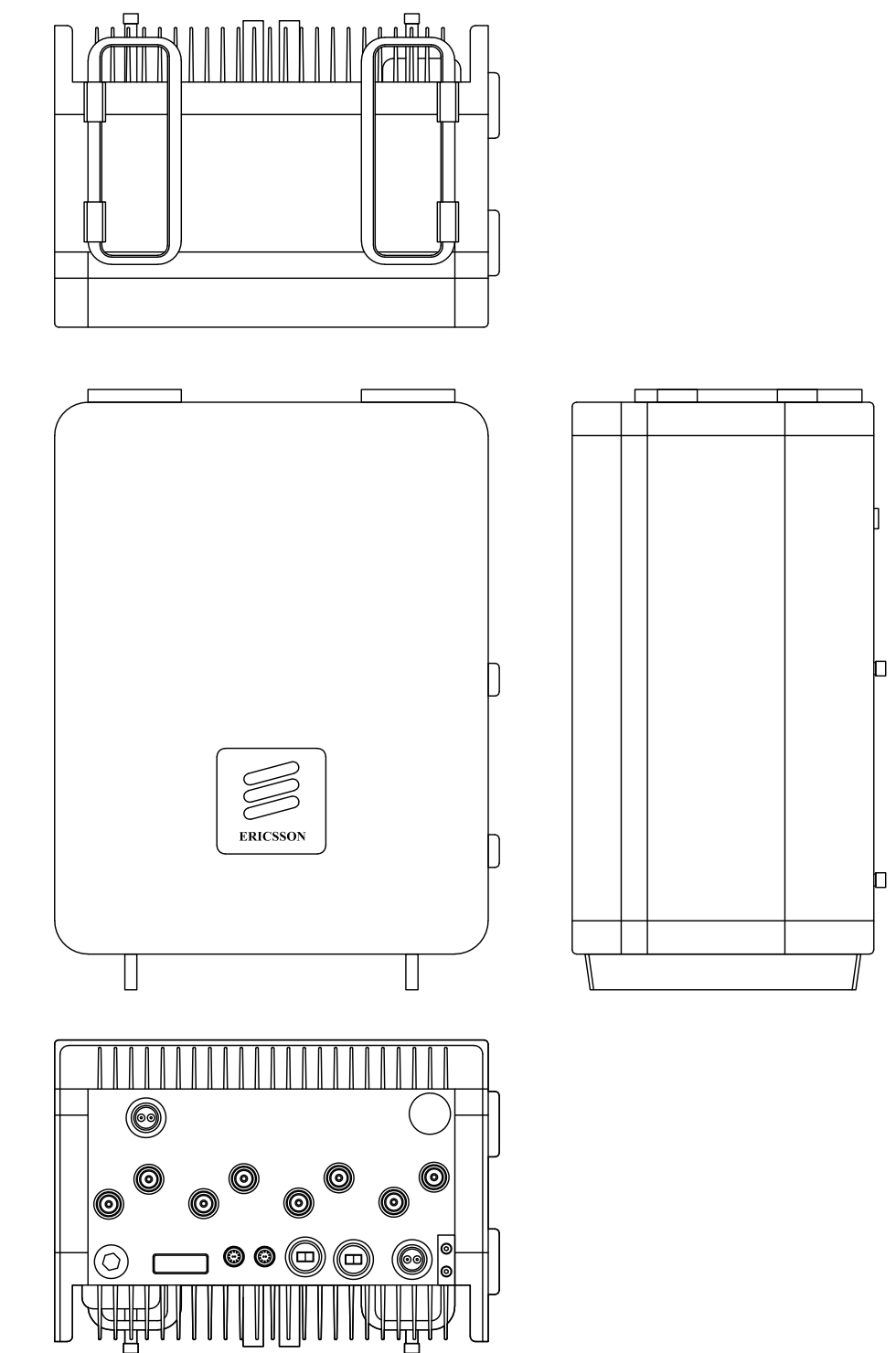
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TO ALTER THIS DOCUMENT.

SHEET NUMBER:

C-5

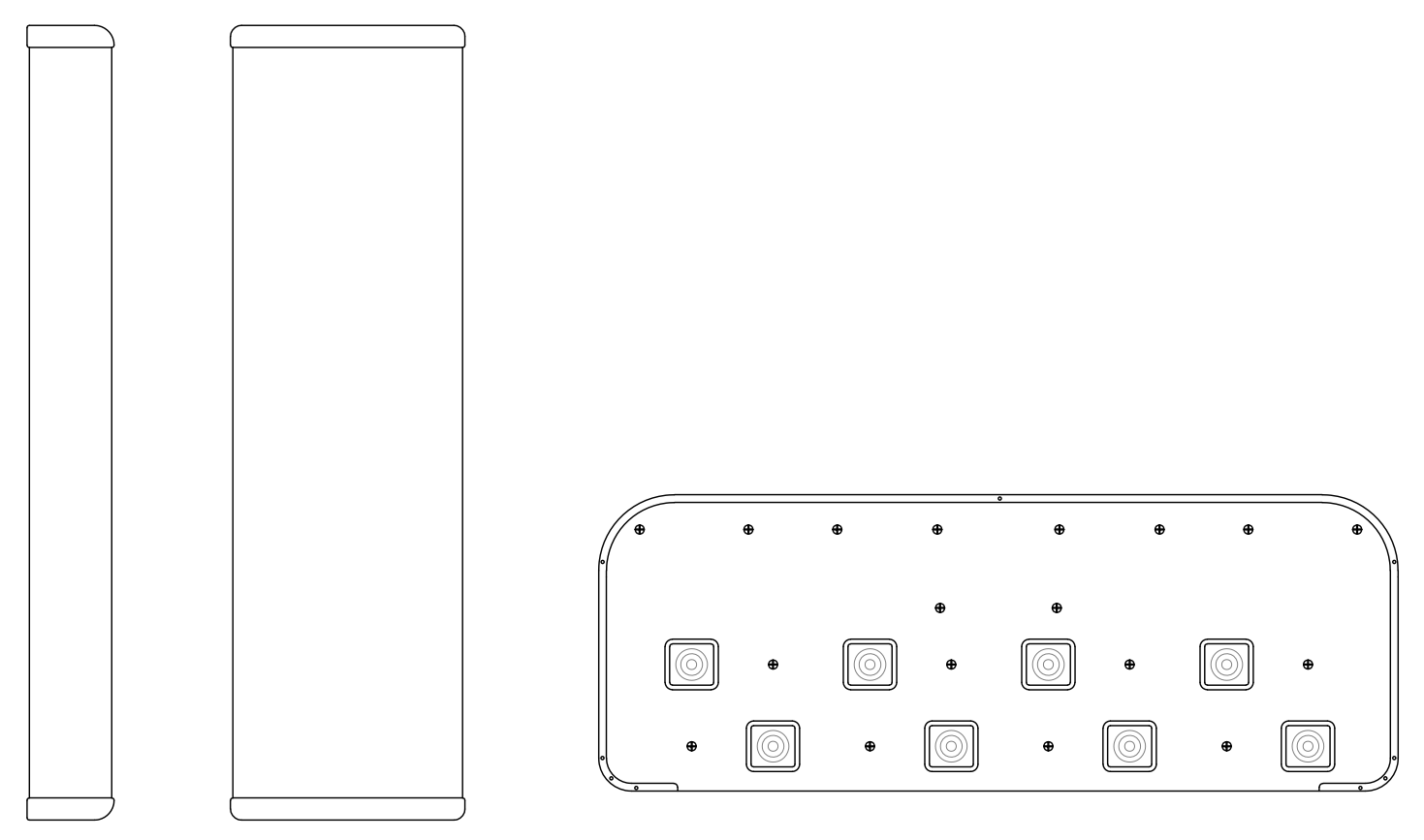
REVISION:

1



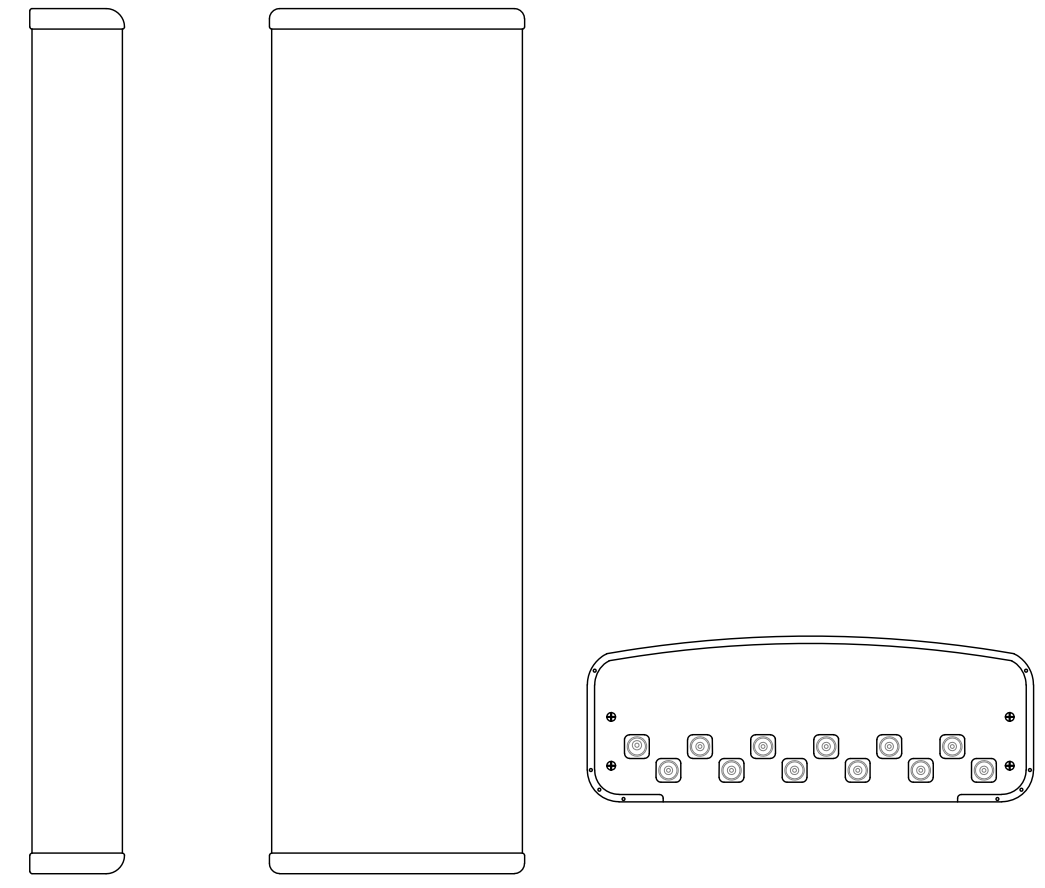
ERICSSON - RADIO 8843 B2/B66A  
WEIGHT: 75.0 LBS  
SIZE (HxWxD): 18.0x13.2x11.3 IN.

3 ERICSSON - RADIO 8843 B2/B66A  
SCALE: NOT TO SCALE



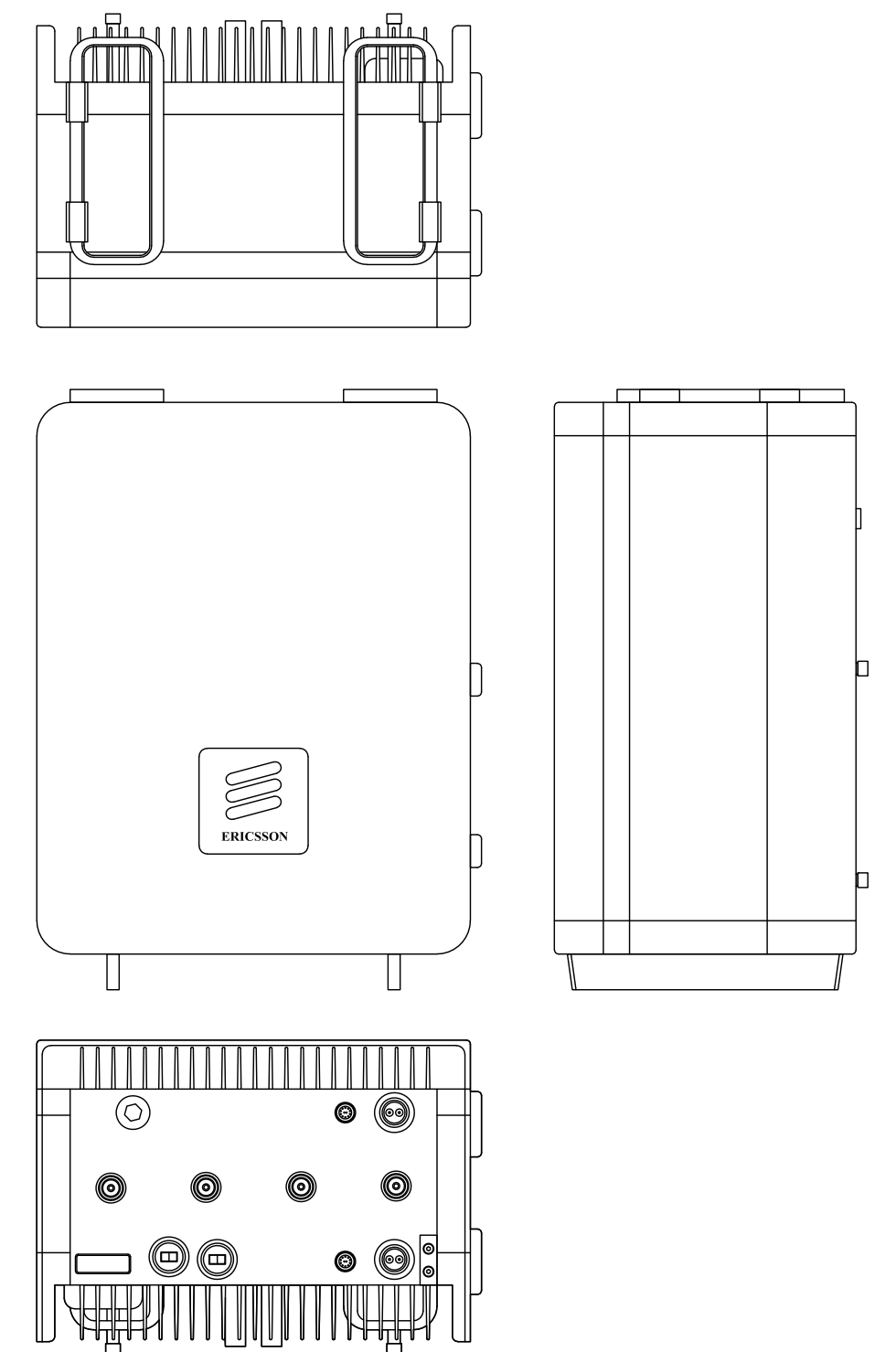
CCI ANTENNAS - OPA65R-BU6DA  
WEIGHT (WITHOUT MOUNTING HARDWARE): 60.2 LBS  
SIZE (HxWxD): 71.2x21.0x7.8 IN.  
MOUNTING HARDWARE P/N: MBK-01  
RATED WIND VELOCITY: 150.0 MPH

2 CCI ANTENNAS - OPA65R-BU6DA  
SCALE: NOT TO SCALE



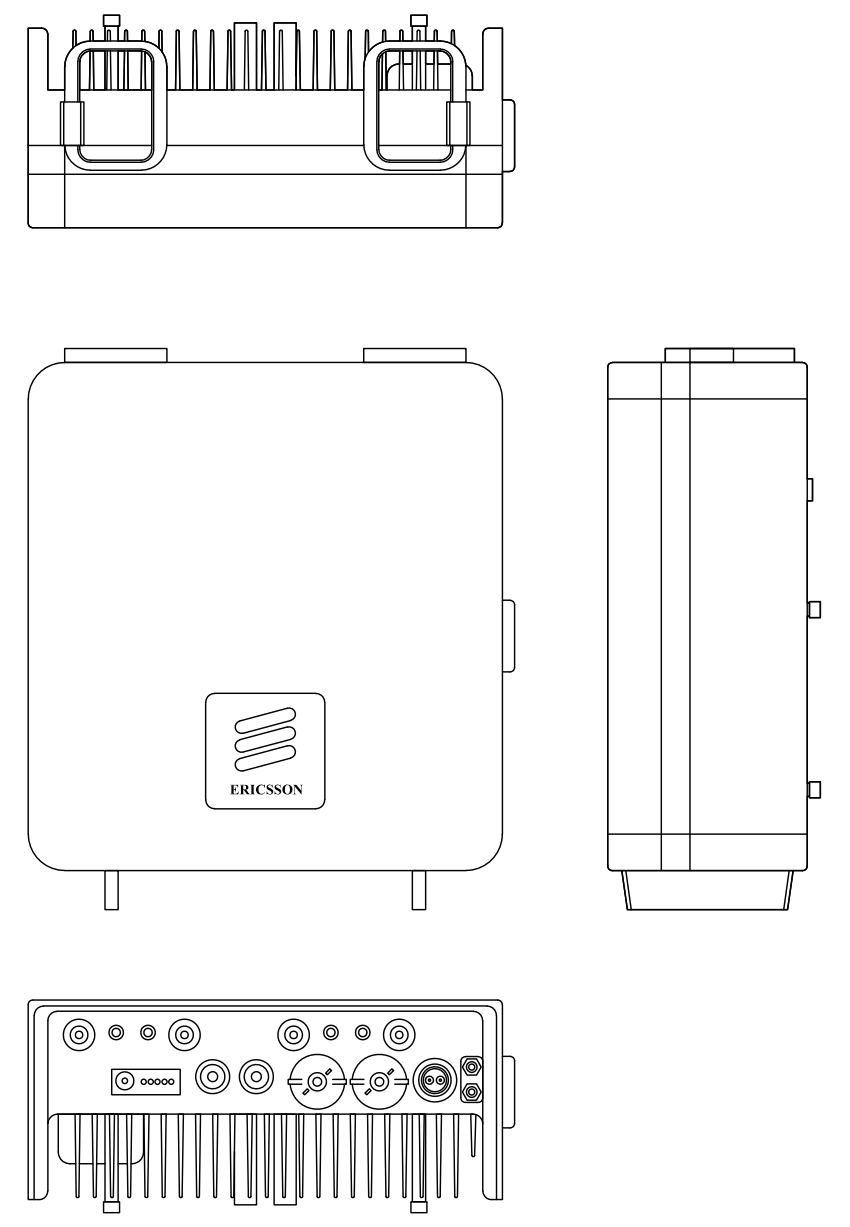
CCI ANTENNAS - TPA-65R-BU6DA-K  
WEIGHT (WITHOUT MOUNTING HARDWARE): 72.5 LBS  
SIZE (HxWxD): 71.2x21.0x7.8 IN.  
MOUNTING HARDWARE P/N: BSA-M03  
RATED WIND VELOCITY: 150.0 MPH

1 CCI ANTENNAS - TPA-65R-BU6DA-K  
SCALE: NOT TO SCALE



ERICSSON - RADIO 4449 B5/B12  
WEIGHT: 70.0 LBS  
SIZE (HxWxD): 18.0x13.2x9.4 IN.

5 ERICSSON - RADIO 4449 B5/B12  
SCALE: NOT TO SCALE



ERICSSON - RADIO 4478 B14  
WEIGHT: 60.0 LBS  
SIZE (HxWxD): 15.0x13.0x8.0 IN.

4 ERICSSON - RADIO 4478 B14  
SCALE: NOT TO SCALE

6 NOT USED  
SCALE: NOT TO SCALE

158154.004.01.0001\_842857\_BENNETT\_POND.dwg - Sheet-C-5 - User: m.jones - Dec. 28, 2022 - 9:56am

GROUNDING PLAN LEGEND:

- GROUND WIRE
- EXOTHERMIC WELD
- MECHANICAL CONNECTION
- ⊙ COPPER GROUND ROD
- ⊗ GROUND ROD W/ TEST WELL

CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUITS (ATT-TP-76416 7.6.7).

HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CELL SITE REFERENCE GROUND BAR MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS.

EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE (ATT-TP-76416 7.6.7.2).


DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICES CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR PER TP76300 SECTION H 6 AND TP76416 FIGURE 7-11 REQUIREMENTS.



575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



3 CORPORATE PARK DRIVE, SUITE 101  
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AT&T SITE NUMBER: CTL05069

BU #: 842857  
**BENNETT POND**  
66 SUGAR HOLLOW ROAD  
DANBURY, CT 06810  
  
EXISTING  
106'-0" MONOPOLE

ISSUED FOR:

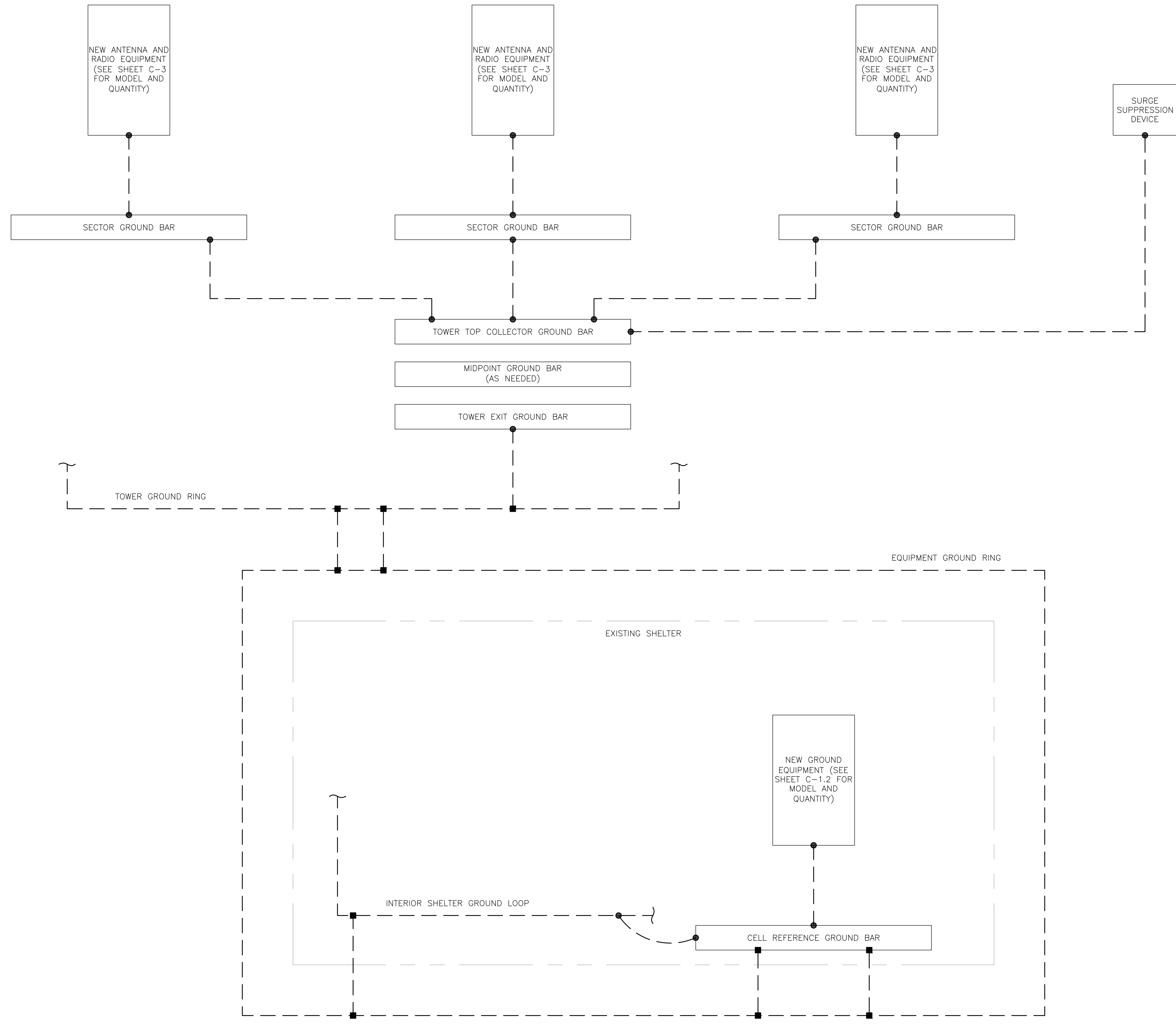
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A	8/29/22	TDG	PRELIMINARY REVIEW	MTJ
0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ



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BER:2386985  
Expires 3/31/23

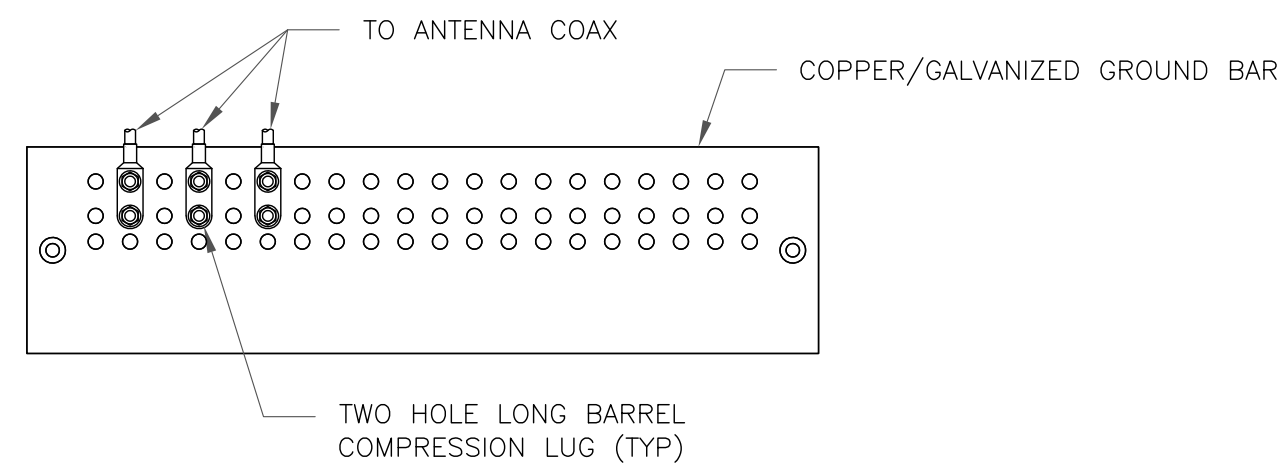
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SHEET NUMBER: **G-1** REVISION: **1**



1 GROUNDING SCHEMATIC  
SCALE: NOT TO SCALE

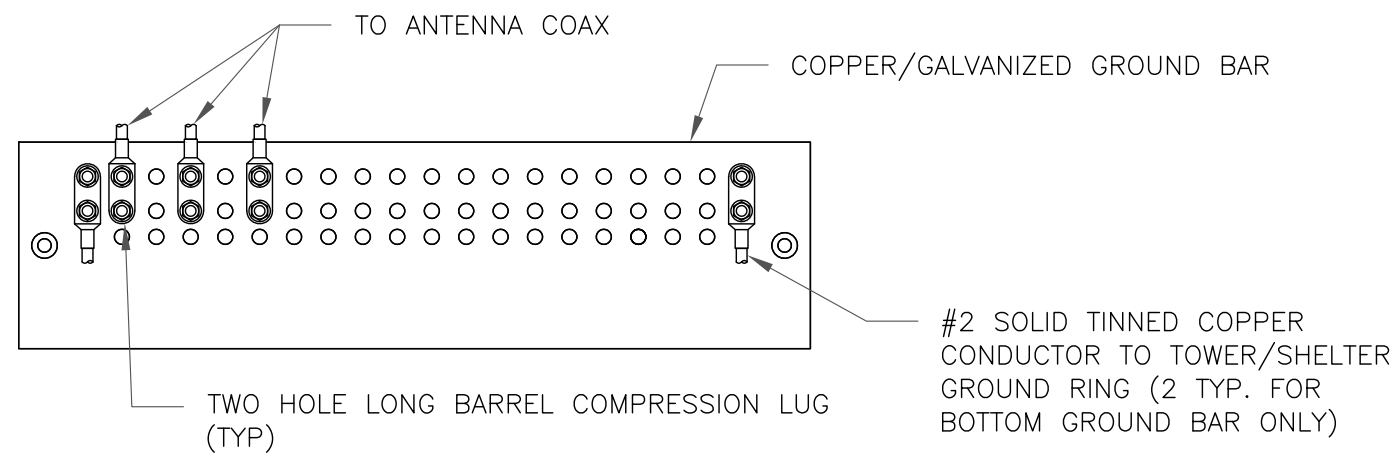
1:58154.004.01.0001\_842857\_BENNETT\_POND.dwg - Sheet:G-1 - User: mjonas - Dec. 28, 2022 - 9:56am



NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

1 ANTENNA SECTOR GROUND BAR DETAIL  
SCALE: NOT TO SCALE

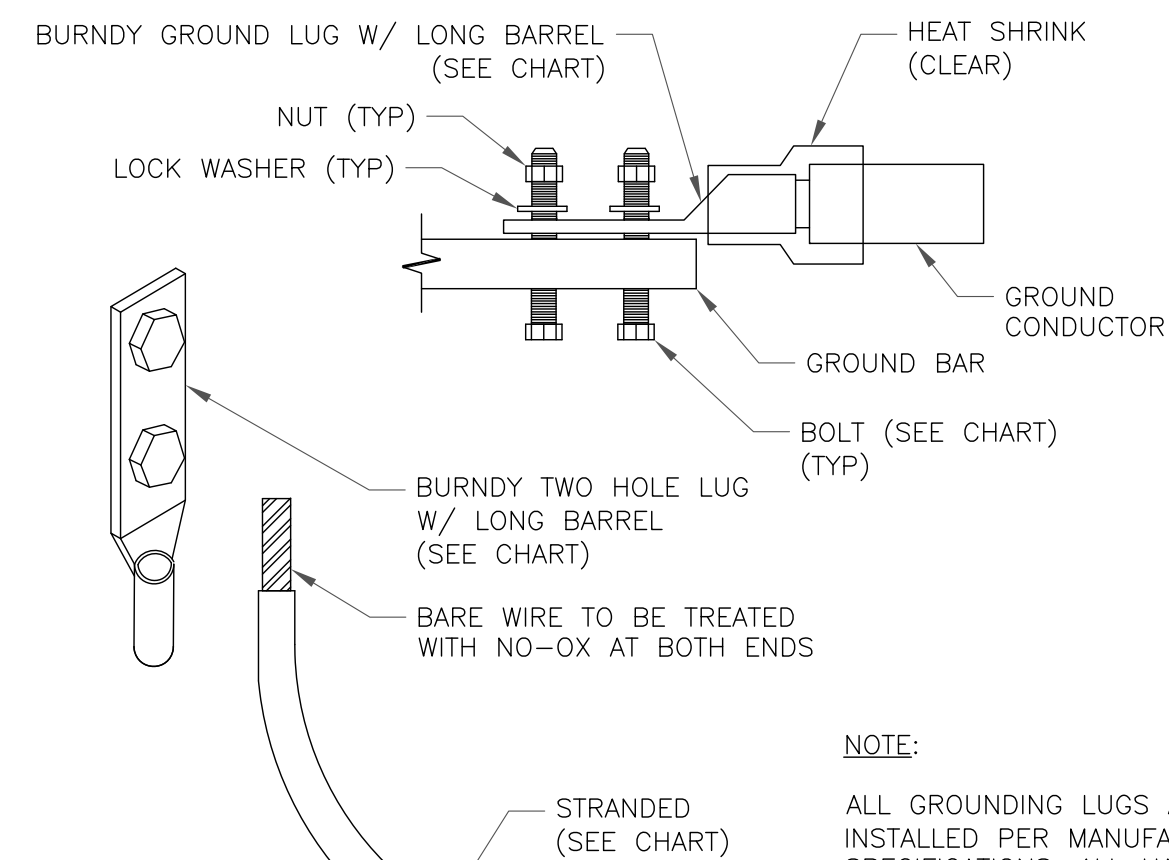


NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

2 TOWER/SHELTER GROUND BAR DETAIL  
SCALE: NOT TO SCALE

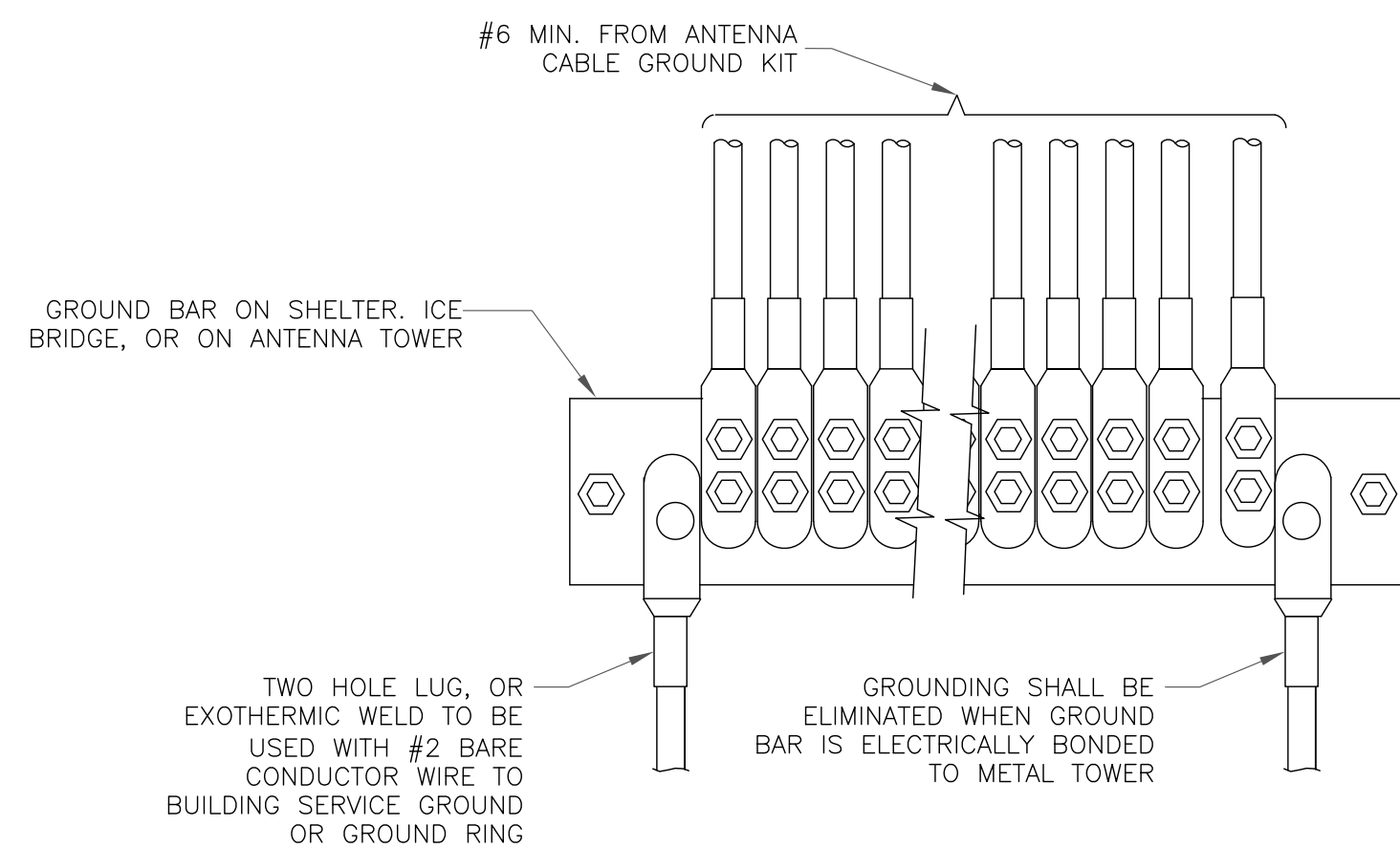
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



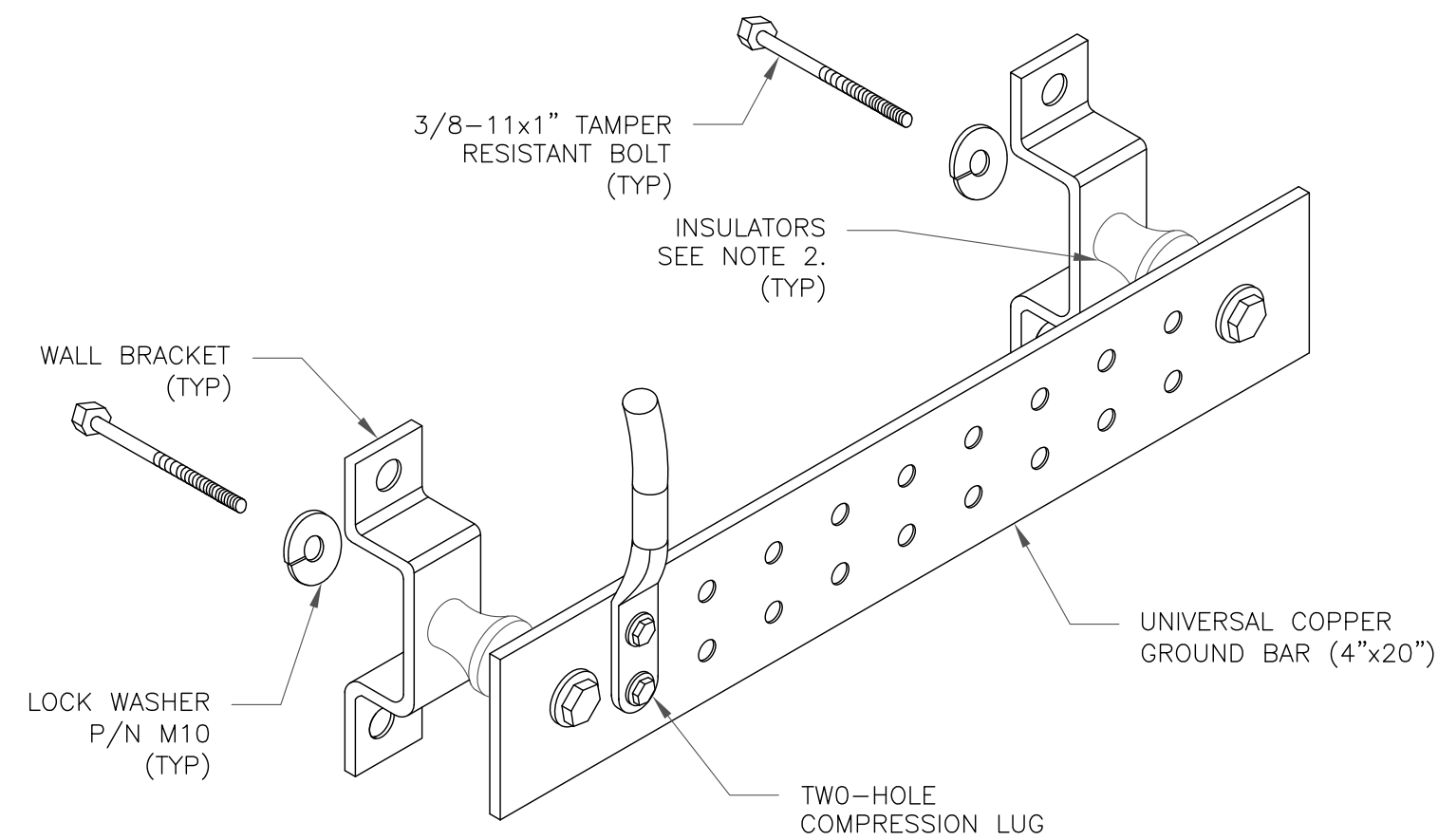
NOTE:

ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

3 MECHANICAL LUG CONNECTION  
SCALE: NOT TO SCALE



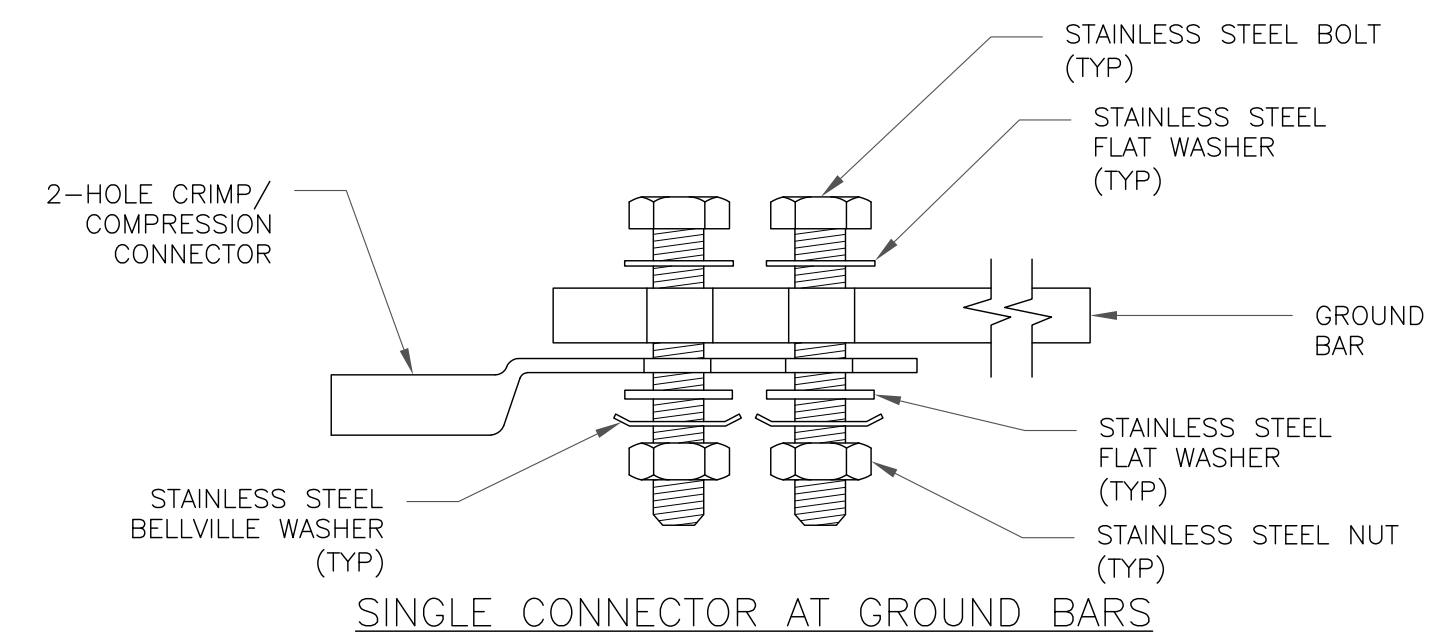
4 GROUNDWIRE INSTALLATION  
SCALE: NOT TO SCALE



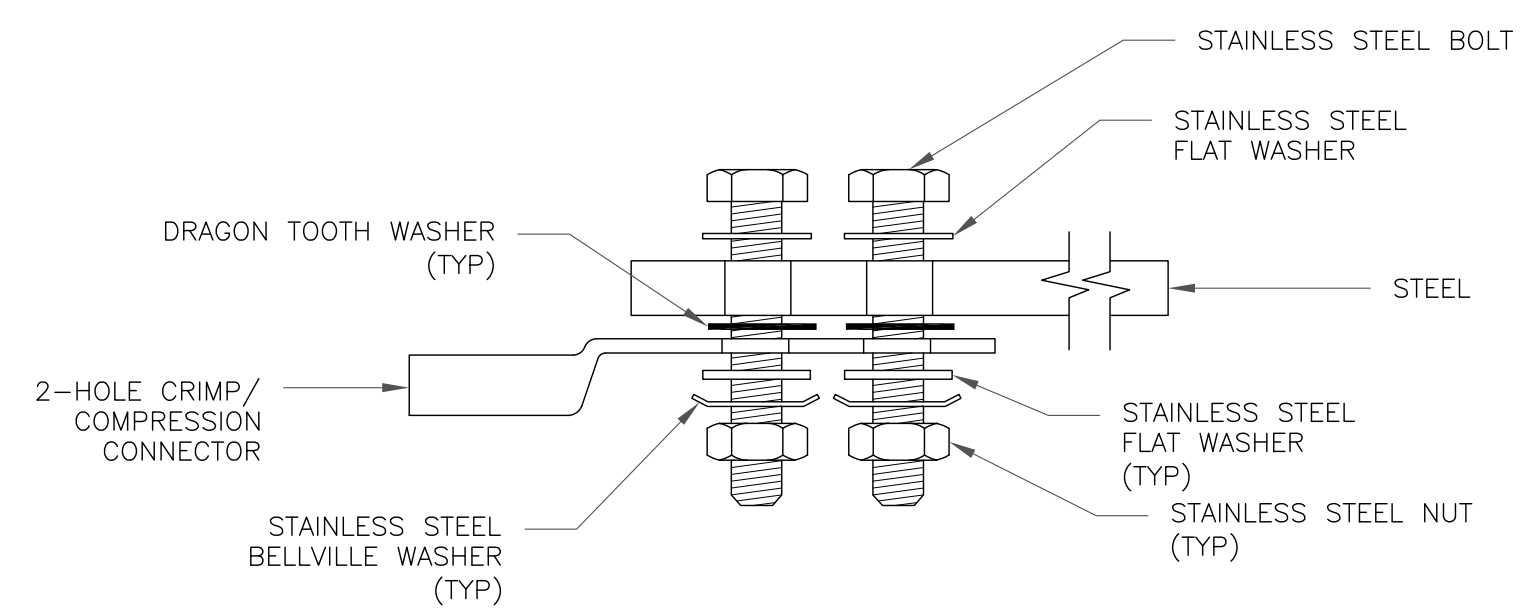
NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

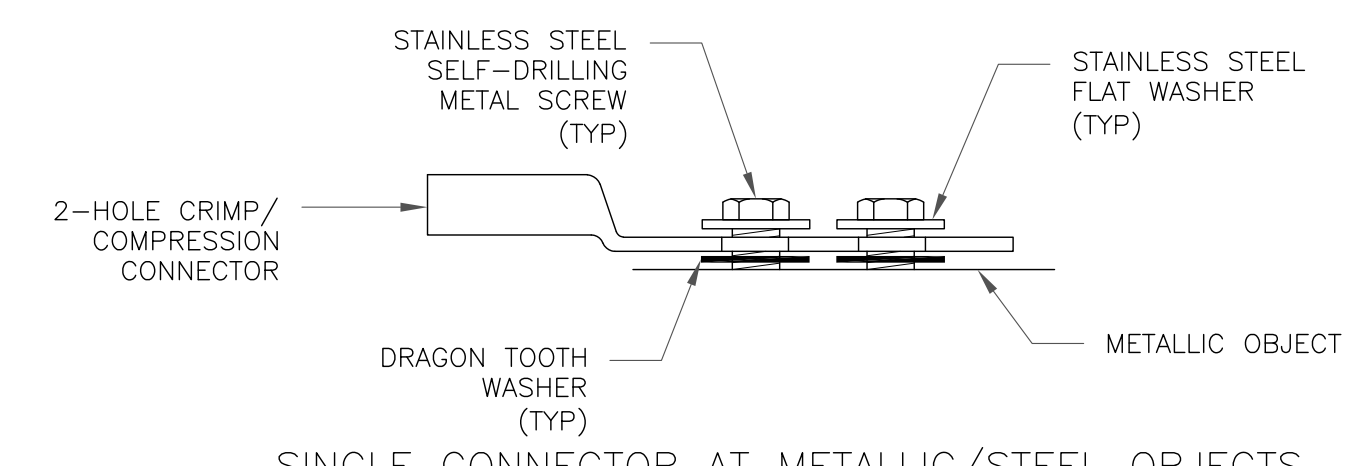
5 GROUND BAR DETAIL  
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

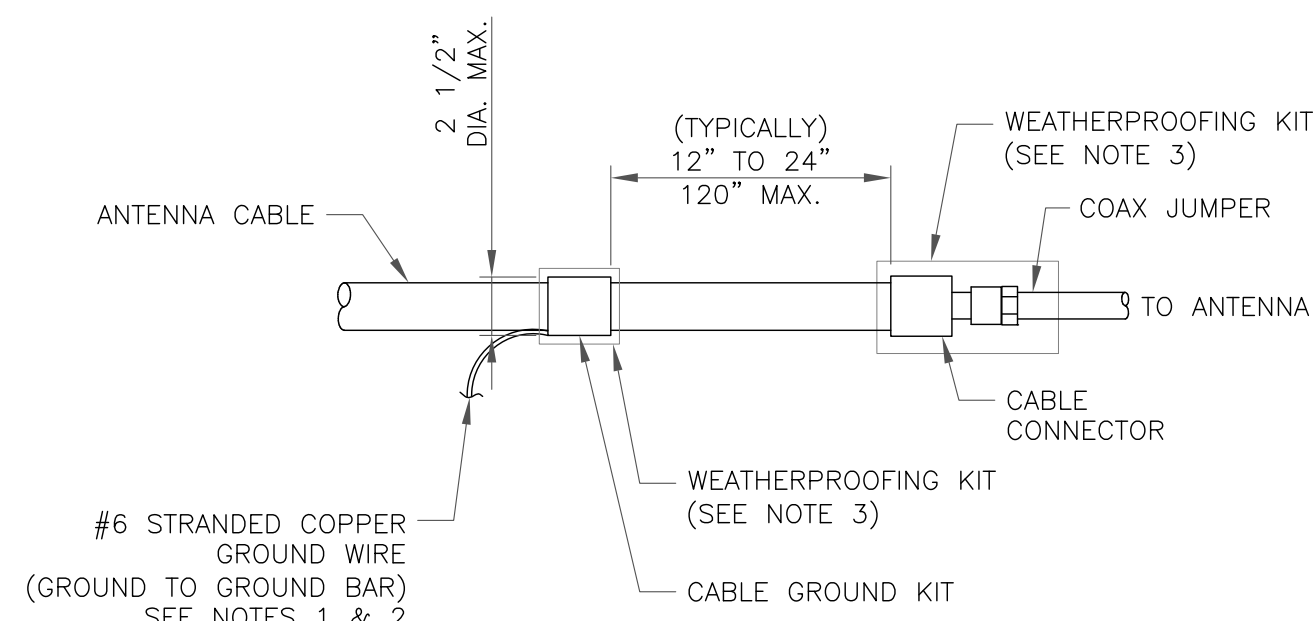


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

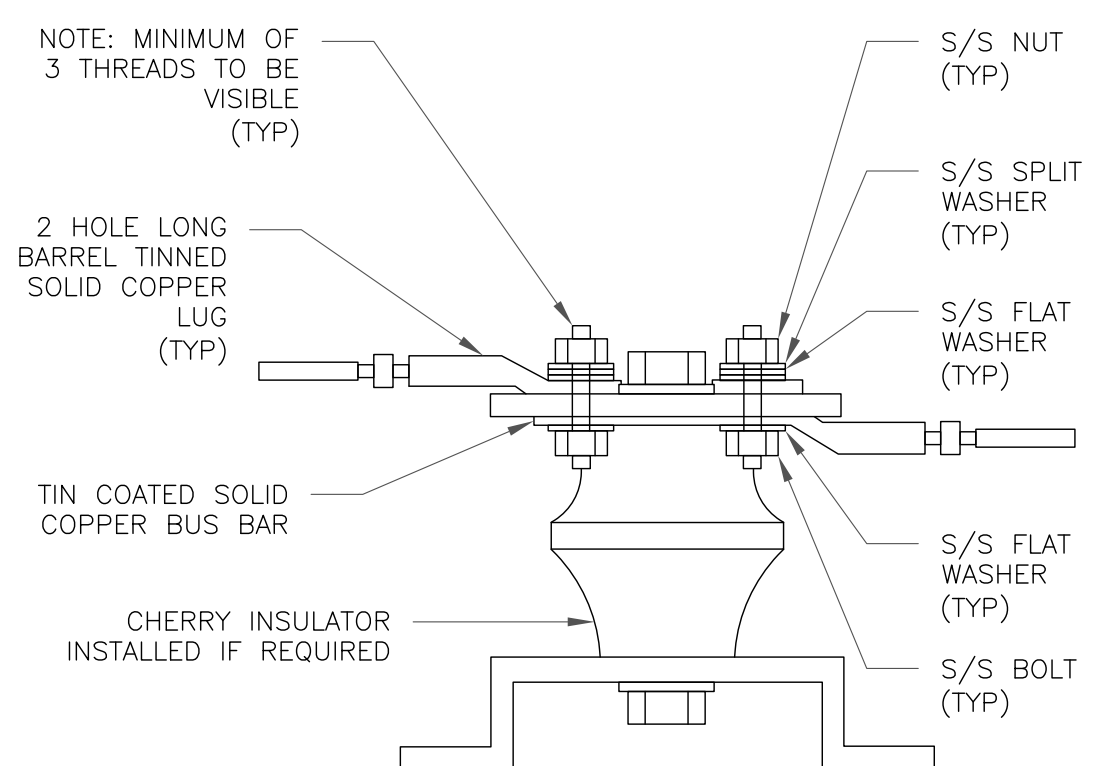
8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS  
SCALE: NOT TO SCALE



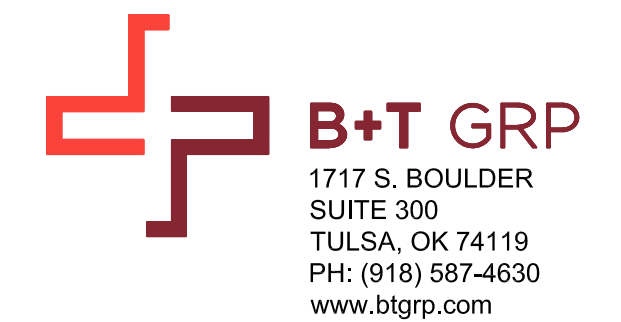
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

6 CABLE GROUND KIT CONNECTION  
SCALE: NOT TO SCALE



7 LUG DETAIL  
SCALE: NOT TO SCALE



AT&T SITE NUMBER: CTL05069

BU #: 842857  
BENNETT POND

66 SUGAR HOLLOW ROAD  
DANBURY, CT 06810

EXISTING  
106'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/29/22	TDG	PRELIMINARY REVIEW	MTJ
0	10/17/22	MEH	CONSTRUCTION	MTJ
1	12/28/22	TDG	CONSTRUCTION	MTJ



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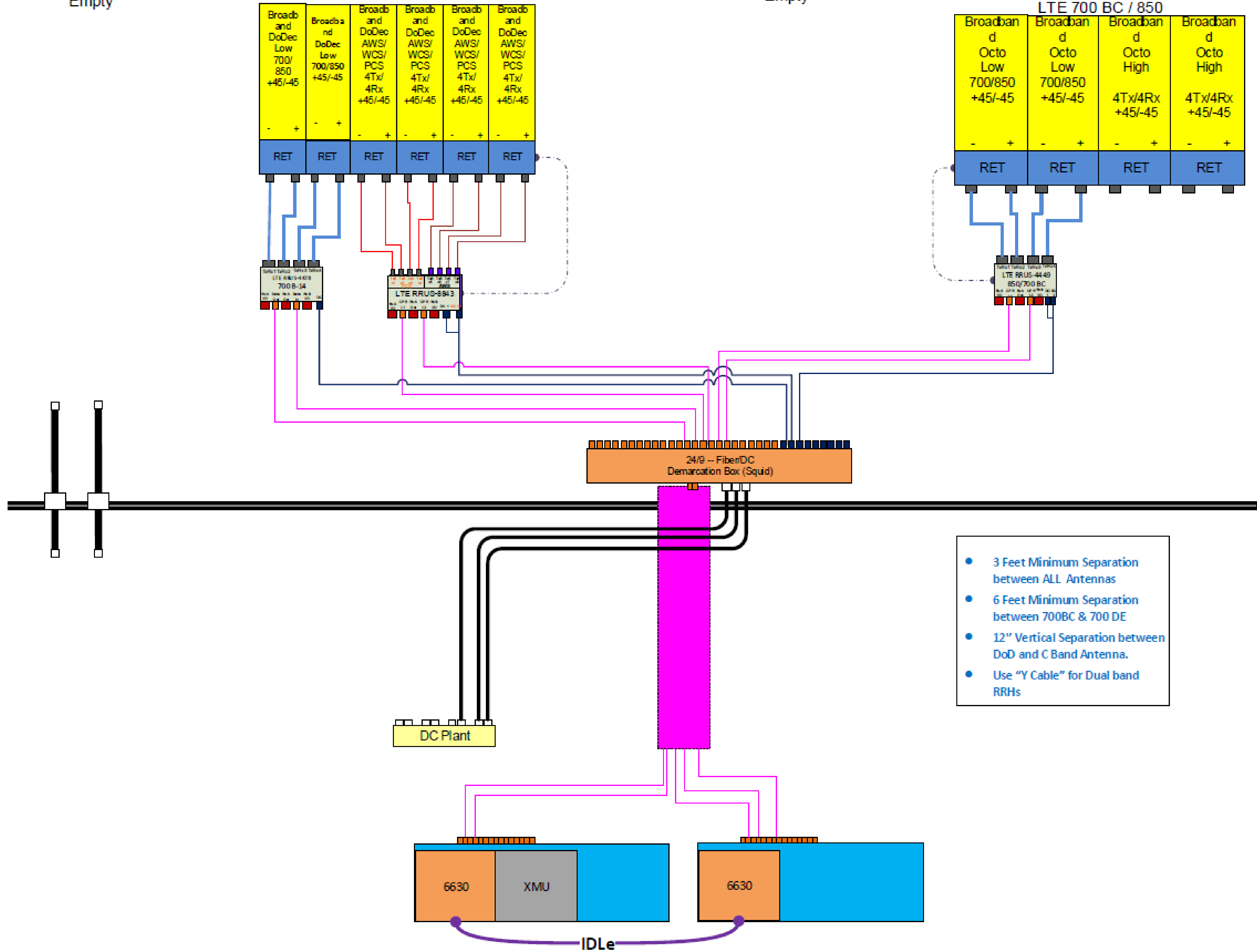
SHEET NUMBER: **G-2** REVISION: **1**

Antenna 1  
Empty

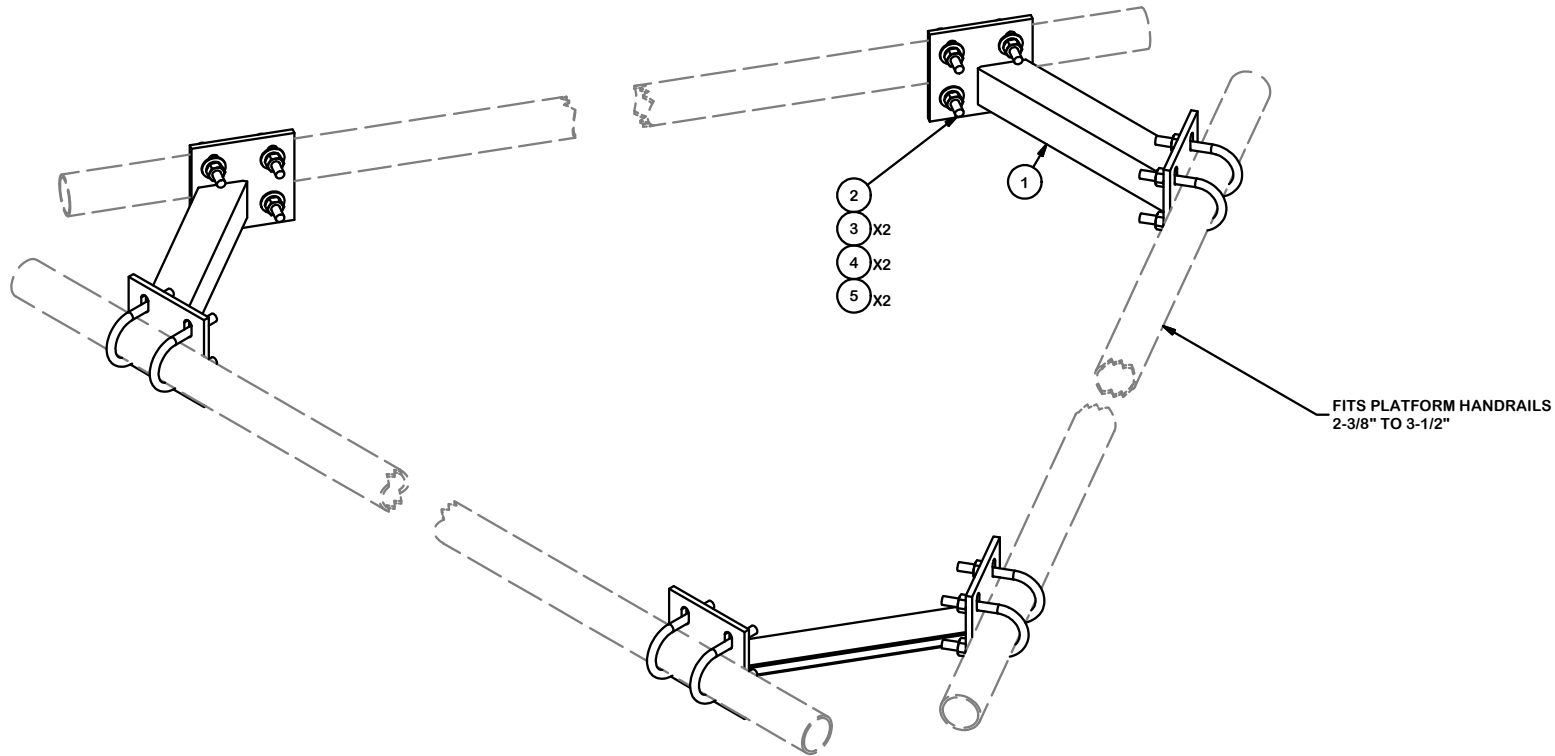
Antenna 2  
LTE 700 B14 / PCS / AWS

Antenna 3  
Empty

Antenna 4  
LTE 700 BC / 850



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.92	38.76
2	12	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.73	8.78
2	12	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.73	8.78
2	12	X-UB1358	1/2" X 3-5/8" X 5-1/2" X 3" U-BOLT (HDG.)		0.73	8.78
3	24	G12FW	1/2" HDG USS FLATWASHER		0.03	0.82
4	24	G12LW	1/2" HDG LOCKWASHER		0.01	0.33
5	24	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	1.72
					TOTAL WT. #	66.76



**TOLERANCE NOTES**

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

PROPRIETARY NOTE:  
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION  
**ANGLE HANDRAIL  
 CORNER PLATE KIT**

**SITE PRO 1**  
 A valmont COMPANY

Locations:  
 New York, NY  
 Atlanta, GA  
 Los Angeles, CA  
 Plymouth, IN  
 Salem, OR  
 Dallas, TX

Engineering Support Team:  
 1-888-753-7446

CPD NO.	DRAWN BY	ENG. APPROVAL
CLASS	DRAWING USAGE	CHECKED BY
81	01	CUSTOMER
		BMC 5/23/2014

PART NO.	AHCP	PAGE
DWG. NO.	AHCP	1 OF 1

## RADIO FREQUENCY EMISSIONS ANALYSIS REPORT EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS



**Site Name:** BENNETT POND  
**Crown Castle Site#:** 842857  
**Site ID:** CTV5069  
**Project Name:** LTE 4C  
**Address:** 66 SUGAR HOLLOW ROAD, DANBURY,  
CT 06810  
**County:** FAIRFIELD  
**Latitude:** 41.3366919  
**Longitude:** -73.4710989  
**Structure Type:** MONOPOLE  
**Property Owner:** SUGAR HOLLOW HOLDING LLC  
**Property Contact:** VERONICA CHAPMAN

### AT&T Existing Facility

#### Report Information

**Report Writer:** Monti Kumar      **Report Generated Date:** 11-28-2022

#### Site Compliance Statement

<b>Compliance Status</b>	Compliant
<b>Cumulative General Population % MPE (Ground Level)</b>	0.3473%

November 28, 2022

**Emissions Analysis for Site: CTV5069– BENNETT POND**

MobileComm Professionals, Inc was directed to analyze the proposed AT&T facility located at **66 SUGAR HOLLOW ROAD, DANBURY, CT 06810**, for the purpose of determining whether the emissions from the Proposed AT&T Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of milliwatts per square centimeter ( $mW/cm^2$ ) or microwatts per square centimeter ( $\mu W/cm^2$ ). The number of  $mW/cm^2$  or  $\mu W/cm^2$  calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general public 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 public 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.

Public exposure to radio frequencies is regulated and enforced in units of milliwatts per square centimeter ( $mW/cm^2$ ). The general population exposure limits for the 700 and 850 MHz Bands are approximately  $0.467 mW/cm^2$  and  $0.567 mW/cm^2$  respectively or  $466.667 \mu W/cm^2$  and  $566.667 \mu W/cm^2$  respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS), 2300 MHz (WCS), 3540 MHz (DoD Band) and 3840 MHz (C-Band) bands is  $1 mW/cm^2$  or  $1000 \mu W/cm^2$ . Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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 (see below), 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.



## 1. Theoretical Calculations: Methods and Procedures

MobileComm Professionals, Inc has performed theoretical modeling of the site using a software tool, RoofMaster® Version 35.5.26.2022, 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.

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 the ground.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level 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. The cumulative power density and cumulative % MPE are displayed at the bottom of the table.

## 2. Antenna Inventory & Power Data

Sector	Ant ID	Operator	Antenna Mfg	Antenna Model	Antenna Type	FREQ. (MHz)	TECH.	AZ. (°)	H B W (°)	Antenna Gain (dBd)	Antenna Aperture (ft)	#of Channels	Transmitter Power Per Channel (Watts)	Total ERP (Watts)	Total EIRP (Watts)	Height (ft)	Calculated Power Density (μW/cm <sup>2</sup> )	Allowable MPE (μW/cm <sup>2</sup> )	Calculated MPE%
A	1	AT&T	CCI	TPA65R-BU6D	Panel	700	LTE(B14)	0	73	12.35	6	4	40.00	2749.64	4509.41	108.00	0.000017	466.67	0.000004
A	1	AT&T	CCI	TPA65R-BU6D	Panel	1900	LTE/5G	0	66	15.95	6	4	40.00	6299.07	10330.47	108.00	0.000016	1000.00	0.000002
A	1	AT&T	CCI	TPA65R-BU6D	Panel	2100	LTE/5G	0	66	16.25	6	4	40.00	6749.57	11069.30	108.00	0.000019	1000.00	0.000002
A	2	AT&T	CCI	OPA65R-BU6D	Panel	700	LTE(B12)	0	73	12.15	6	4	40.00	2625.89	4306.46	108.00	0.000078	466.67	0.000017
A	2	AT&T	CCI	OPA65R-BU6D	Panel	850	5G	0	64	13.05	6	4	40.00	3230.55	5298.10	108.00	0.000032	566.67	0.000006
B	3	AT&T	CCI	TPA65R-BU6D	Panel	700	LTE(B14)	120	73	12.35	6	4	40.00	2749.64	4509.41	108.00	0.113609	466.67	0.024345
B	3	AT&T	CCI	TPA65R-BU6D	Panel	1900	LTE/5G	120	66	15.95	6	4	40.00	6299.07	10330.47	108.00	0.074394	1000.00	0.007439
B	3	AT&T	CCI	TPA65R-BU6D	Panel	2100	LTE/5G	120	66	16.25	6	4	40.00	6749.57	11069.30	108.00	0.120745	1000.00	0.012075
B	4	AT&T	CCI	OPA65R-BU6D	Panel	700	LTE(B12)	120	73	12.15	6	4	40.00	2625.89	4306.46	108.00	0.125866	466.67	0.026971
B	4	AT&T	CCI	OPA65R-BU6D	Panel	850	5G	120	64	13.05	6	4	40.00	3230.55	5298.10	108.00	0.130960	566.67	0.023111
C	5	AT&T	CCI	TPA65R-BU6D	Panel	700	LTE(B14)	240	73	12.35	6	4	40.00	2749.64	4509.41	108.00	0.000015	466.67	0.000003
C	5	AT&T	CCI	TPA65R-BU6D	Panel	1900	LTE/5G	240	66	15.95	6	4	40.00	6299.07	10330.47	108.00	0.000006	1000.00	0.000001
C	5	AT&T	CCI	TPA65R-BU6D	Panel	2100	LTE/5G	240	66	16.25	6	4	40.00	6749.57	11069.30	108.00	0.000087	1000.00	0.000009
C	6	AT&T	CCI	OPA65R-BU6D	Panel	700	LTE(B12)	240	73	12.15	6	4	40.00	2625.89	4306.46	108.00	0.000022	466.67	0.000005
C	6	AT&T	CCI	OPA65R-BU6D	Panel	850	5G	240	64	13.05	6	4	40.00	3230.55	5298.10	108.00	0.000023	566.67	0.000004
A	7	Sprint	RFS	APXVSP18-C-A20	Panel	850	CDMA/LTE	10	65	13.40	6	1	20.00	390.11	639.78	90.33	0.000096	566.67	0.000017
A	7	Sprint	RFS	APXVSP18-C-A20	Panel	1900	CDMA/LTE	10	65	15.90	6	2	20.00	1387.45	2275.41	90.33	0.000004	1000.00	0.000000
B	8	Sprint	RFS	APXVSP18-C-A20	Panel	850	CDMA/LTE	130	65	13.40	6	1	20.00	390.11	639.78	90.33	0.016993	566.67	0.002999
B	8	Sprint	RFS	APXVSP18-C-A20	Panel	1900	CDMA/LTE	130	65	15.90	6	2	20.00	1387.45	2275.41	90.33	0.036784	1000.00	0.003678
C	9	Sprint	RFS	APXVSP18-C-A20	Panel	850	CDMA/LTE	250	65	13.40	6	1	20.00	390.11	639.78	90.33	0.000018	566.67	0.000003
C	9	Sprint	RFS	APXVSP18-C-A20	Panel	1900	CDMA/LTE	250	65	15.90	6	2	20.00	1387.45	2275.41	90.33	0.000022	1000.00	0.000002
A	10	Dish	JMA	MX08FRO665-21	Panel	600	5G	0	68	11.45	6	4	30.00	1676.24	2749.04	59.00	0.000305	400.00	0.000076
A	10	Dish	JMA	MX08FRO665-21	Panel	1900	5G	0	62	16.15	6	4	40.00	6595.93	10817.33	59.00	0.000196	1000.00	0.000020
A	10	Dish	JMA	MX08FRO665-21	Panel	2100	5G	0	64	16.65	6	4	40.00	7400.76	12137.24	59.00	0.000073	1000.00	0.000007
B	11	Dish	JMA	MX08FRO665-21	Panel	600	5G	120	68	11.45	6	4	30.00	1676.24	2749.04	59.00	0.494222	400.00	0.123556
B	11	Dish	JMA	MX08FRO665-21	Panel	1900	5G	120	62	16.15	6	4	40.00	6595.93	10817.33	59.00	0.66371	1000.00	0.066371
B	11	Dish	JMA	MX08FRO665-21	Panel	2100	5G	120	64	16.65	6	4	40.00	7400.76	12137.24	59.00	0.564137	1000.00	0.056414
C	12	Dish	JMA	MX08FRO665-21	Panel	600	5G	240	68	11.45	6	4	30.00	1676.24	2749.04	59.00	0.000238	400.00	0.000060
C	12	Dish	JMA	MX08FRO665-21	Panel	1900	5G	240	62	16.15	6	4	40.00	6595.93	10817.33	59.00	0.001038	1000.00	0.000104
C	12	Dish	JMA	MX08FRO665-21	Panel	2100	5G	240	64	16.65	6	4	40.00	7400.76	12137.24	59.00	0.000004	1000.00	0.000000
																Calculated Power Density (μW/cm <sup>2</sup> )	2.343729	Calculated MPE%	0.3473

**Table 2: Antenna Inventory & Power Data**

### 3. Compliance Summary

The theoretical calculations performed for this analysis yielded results that were **within** the allowable limits for general public exposure to RF Emissions.

The anticipated composite MPE value for this site assuming all carriers present is 0.3473% of the allowable FCC established general public limit sampled at the ground level.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were within the allowable 100% threshold standard per the federal government.