



Crown Castle  
3 Corporate Park Drive, Suite 101  
Clifton Park, NY 12065

June 17, 2021

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

**MOTION TO REOPEN AND MODIFY  
DOCKET NO. 242 DECISION AND ORDER**

Introduction:

AT&T (the “Petitioner”) respectfully requests that the Connecticut Siting Council (“Council”) reopen the evidentiary proceeding in Docket No. 242 and modify its Decision and Order (“D&O”) dated October 14, 2003 as included in Exhibit A. AT&T seeks the Council’s approval to modify Condition #2 of the D&O by eliminating the condition requiring antennas be attached to the tower via flush mount configurations so as to permit other types of mounting designs, including but not limited to platform mount systems. The approved modification to Condition #2 of the D&O will create no adverse environmental impacts but will in fact further the public interest by reducing barriers to tower sharing and avoiding the unnecessary proliferations of towers.

Background:

On January 29, 2003, AT&T Wireless PCS, LLC d/b/a AT&T Wireless (“AT&T”) applied to the Council for the construction, operation, and maintenance of a wireless telecommunications facility at one of two sites at the Andover Sportsmen Club, 122 Route 6, Andover, Connecticut. The property at 122 Jonathan Trumbull Highway (Route 6) is approximately 67.13 acres and is owned by ASC Real Estate Inc. By D&O dated October 14, 2003, the Council issued a CPCN to AT&T granting approval to construct at Site A, as defined in the original application.

After the issuance of the CPCN, the Council has acknowledged on two separate occasions AT&T’s notice of intent to modify the tower. See Exhibit B for copies of these acknowledgements.

Request to Modify:

On June 17, 2021, AT&T also submitted a Notice of Exempt Modification proposing to replace six (6) existing antennas with six (6) new antennas. This proposal included mount modifications primarily involving a change from the existing t-arm mount to a new platform mount. This Notice of Exempt Modification is submitted on the same day as the Motion to Reopen and Modify Docket No. 242 in an effort to preempt a notice of incomplete letter as AT&T is aware the proposed antenna design and mount

modification is currently inconsistent with Condition No. 2 of the D&O. Accordingly, AT&T now requests that the Council reopen the Docket No. 242 proceeding and modify its D&O to allow AT&T and other service providers to attach antennas to the existing monopole at the Jonathan Trumbull Highway property utilizing platform mounting systems in addition to flush mounts. In support of this request, AT&T offers the following additional information:

1. The current limitation on antenna mount design restricts wireless carriers', including AT&T's, ability to upgrade existing equipment. Flush mount configurations cannot support the additional antennas and supplementary equipment required by wireless carriers in order to provide state-of-the-art reliable wireless service. AT&T's existing flush mount configuration is unable to meet the increasing capacity and coverage demands due to the vast changes in AT&T's network and technology. For this particular site, AT&T can structurally accommodate a platform mount system which will enable AT&T to utilize the appropriate antennas/equipment to meet current capacity and coverage demands.
2. AT&T's requested modification to the D&O Condition No. 2 will not result in any significant nonuniformity or create substantial visual impact. As indicated on the photo simulations included in Exhibit C and the construction drawings for AT&T's proposal included as Exhibit D, the proposed platform mount does not constitute a significant change in the aesthetics of the existing facility.

Conclusion:

For the foregoing reasons, AT&T respectfully requests that the Council reopen Docket No. 242 and modify Condition No. 2 of the D&O eliminating the requirement that all antennas installed on the monopole utilize flush mount configurations.

Sincerely,

Anne Marie Zsamba  
Project Manager - Site Acquisition  
Crown Castle  
Agent for Applicant, AT&T  
(201) 236-9224  
AnneMarie.Zsamba@crowncastle.com

Certification of Service:



I hereby certify that a copy of the foregoing was sent via Fedex to all relevant parties associated with Docket No. 242, including:

Jeffrey J. Maguire, First Selectman  
Town of Andover  
Town Hall  
17 School Road  
Andover, CT 06232  
860.742.7305

Jim Hallisey, Zoning Agent  
Town of Andover  
Town Hall  
17 School Road  
Andover, CT 06232  
860.742.7305

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
90 Maple Avenue  
White Plains, NY 10601

Tower Ventures II, LLC  
495 Tennessee Street  
Suite 152  
Memphis, TN 38103

T-Mobile  
Mark Richard  
35 Griffin Road South  
Bloomfield, CT 06002

ASC Real Estate Inc, Property Owner  
C/O Andover Sportsmans Club, Co-Owner  
122 Route 6  
Andover, CT 06232  
860-742-6223

A notification along with a copy of this filing were also sent via FedEx to property owners whose land abuts the parcel at 122 Jonathan Trumbull Highway. A list of abutters, a sample letter, and copies of FedEx labels as proof of service are enclosed as Exhibit E.

ORIGIN ID: SCH4 (201) 236-9224

ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 17 JUN 21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

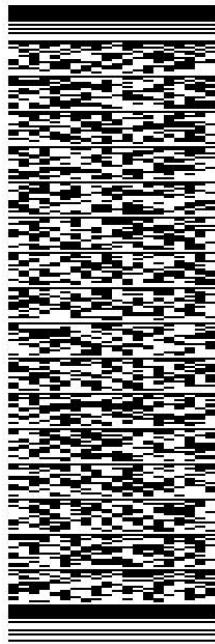
BILL SENDER

TO CHRISTOPHER B. FISHER, ESQ.

CUDDY & FEDER LLP  
90 MAPLE AVENUE

WHITE PLAINS NY 10601

(201) 236-9224 REF: 1734.7690  
INV/ PO: DEPT:



J211321033101uv

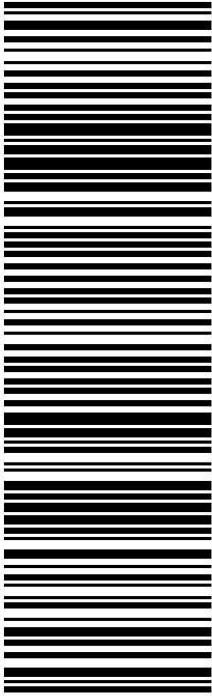
56DJ3/B387/FE4A

TRK# 7740 2357 2634  
0201

FRI - 18 JUN 10:30A  
PRIORITY OVERNIGHT

EH NESA

10601  
NY-US SWF



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ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 17 JUN 21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

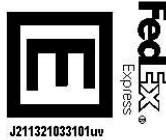
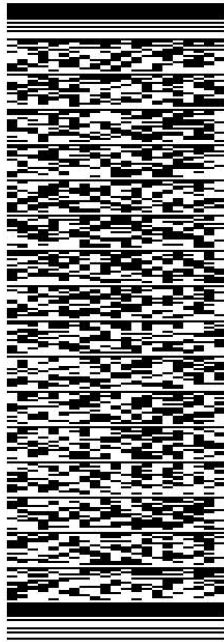
BILL SENDER

TO JEFFREY MAGUIRE, FIRST SELECTMAN

TOWN OF ANDOVER  
TOWN HALL  
17 SCHOOL ROAD  
ANDOVER CT 06232

(860) 742-7305 REF: 1734.7690  
INV/ PO: DEPT:

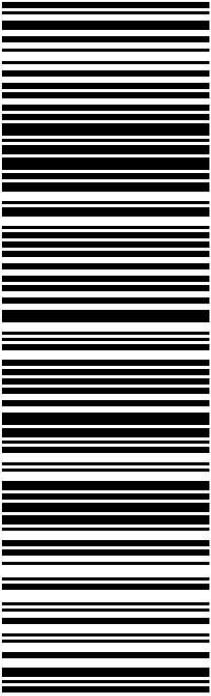
56DJ3/B387/FE4A



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0201

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EB SKKA 06232  
CT-US BDL



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CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 17 JUN 21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

TO **MARK RICHARD**

**T-MOBILE**

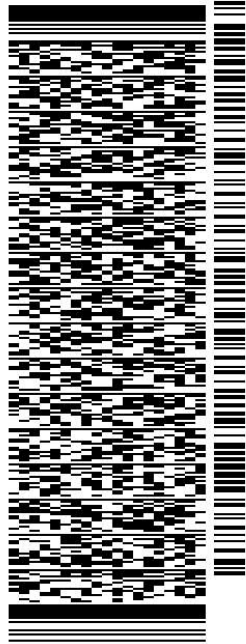
**35 GRIFFIN ROAD SOUTH**

**BLOOMFIELD CT 06002**

(201) 236-9224

REF: 1734 7690

INV/ PO: DEPT:



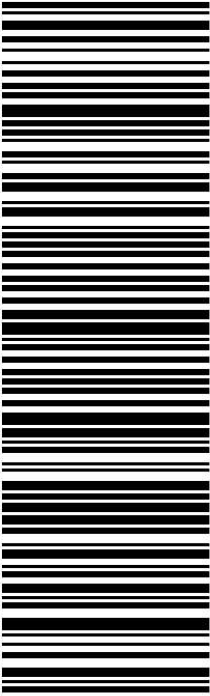
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0201

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STANDARD OVERNIGHT

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06002  
CT-US BDL



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21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 17 JUN 21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

TO C/O ANDOVER SPORTSMANS CLUB

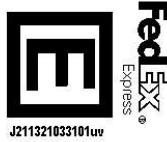
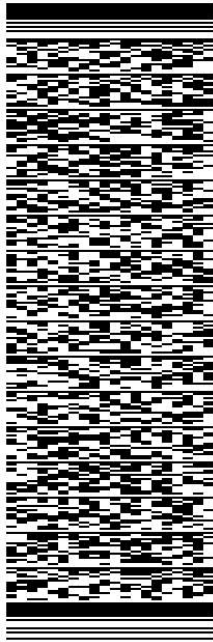
ASC REAL ESTATE INC, PROPERTY OWNER  
122 ROUTE 6

ANDOVER CT 06232

(860) 742-6223

REF: 1734.7690

INV/ PO: DEPT:

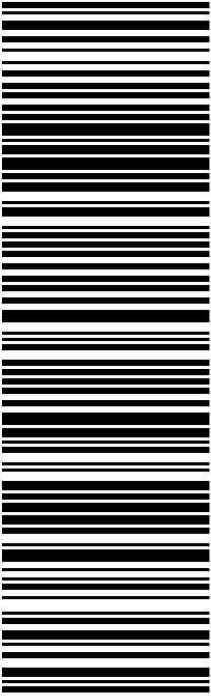


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PRIORITY OVERNIGHT

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CT-US BDL



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CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 17 JUN 21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

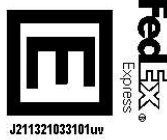
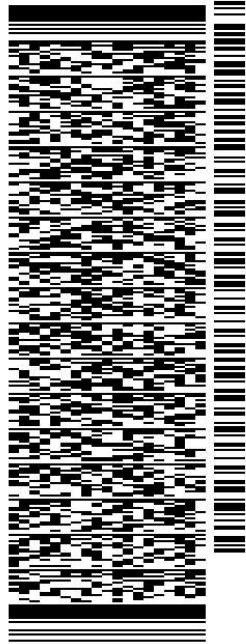
TO TOWER VENTURES II, LLC

495 TENNESSEE STREET  
SUITE 152

MEMPHIS TN 38103

(201) 236-9224 REF: 1734.7690  
INV/ PO: DEPT:

56DJ3/B387/FE4A

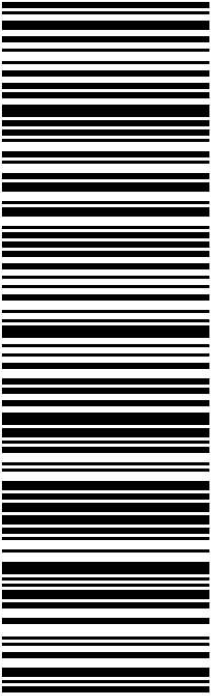


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XH NQAA 38103  
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CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 17 JUN 21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

TO JIM HALLISEY, ZONING AGENT

TOWN OF ANDOVER

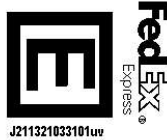
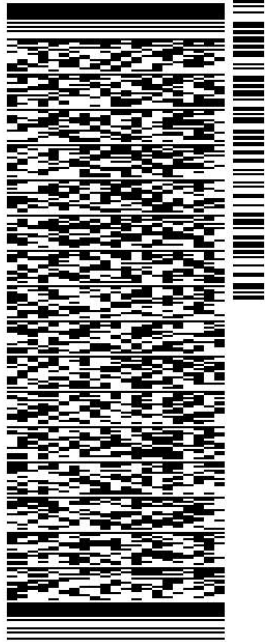
TOWN HALL

17 SCHOOL ROAD

ANDOVER CT 06232

(860) 742-7305  
REF: 1734.7690  
INV/ PO: DEPT:

56DJ3/B387/FE4A

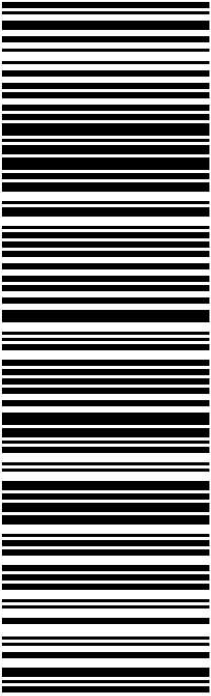


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0201

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PRIORITY OVERNIGHT

EB SKKA 06232  
CT-US BDL



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# Exhibit A

## **Original Facility Approval**



# Connecticut Siting Council

## Decisions

<b>DOCKET NO. 242</b> - AT&T Wireless PCS, LLC d/b/a }	Connecticut
AT&T Wireless application for a Certificate of }	Siting
Environmental Compatibility and Public Need for the }	Council
construction, maintenance and operation of a wireless }	
telecommunications facility at one of two sites at 122 Route }	
6 (Andover Sportsmen Club), Andover, Connecticut.	October 14, 2003

### Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to AT&T Wireless PCS d/b/a AT&T Wireless for the construction, maintenance and operation of a wireless telecommunications facility at Site A at the Andover Sportsmen Club, 122 Route 6, Andover, Connecticut. The Council denies certification of Site B, also located at 122 Route 6, Andover, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T Wireless PCS, LLC and Omnipoint Holdings, Inc. d/b/a T-Mobile and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level.
2. Panel antennas shall be installed on the monopole using a flush mount design.
3. Site preparation and construction activities shall occur during the time period of November 1 through March 31 to reduce potential impacts to populations of the Wood Turtle (*Clemmys insculpta*), a State Species of Special Concern.
4. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include:
  - a. a detailed site development plan that depicts the location of the access road, compound, tower, utility line, erosion and sedimentation control features, and landscaping;
  - b. specifications for the tower, tower foundation, antennas, equipment building, and security fence; and
  - c. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
5. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the

Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

6. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
7. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing. The Certificate Holder shall provide space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
8. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
9. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.
10. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant, Rivereast News Bulletin, and the Journal Inquirer.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

**Applicant**

AT&T Wireless PCS, LLC  
d/b/a AT&T Wireless

**Its Representative**

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
90 Maple Avenue  
White Plains, New York 10601  
(914) 761-1300

**Party**

Tower Ventures II, LLC

**Its Representative**

Julie Donaldson Kohler, Esq.  
Hurwitz & Sagarin, LLC  
147 N. Broad Street  
Milford, CT 06460  
(203) 877-8000

**Party**

Town of Andover

**Its Representative**

First Selectman  
Andover Town Office Building  
17 School Road, P.O. Box 328

Andover, CT 06232-0328  
(860) 742-7305

**Intervenor**

Omnipoint Holdings, Inc.  
d/b/a T-Mobile

**Its Representative**

Stephen J. Humes, Esq.  
Diane W. Whitney, Esq.  
LeBoeuf, Lamb, Greene & MacRae  
Goodwin Square  
225 Asylum Street  
Hartford, CT 06103

# Exhibit B

**AT&T  
Prior Exempt  
Modification  
Filings**



EM-CING-001-090302

New Cingular Wireless PCS, LLC  
500 Enterprise Drive  
Rocky Hill, Connecticut 06067-3900  
Phone: (860) 513-7636  
Fax: (860) 513-7190

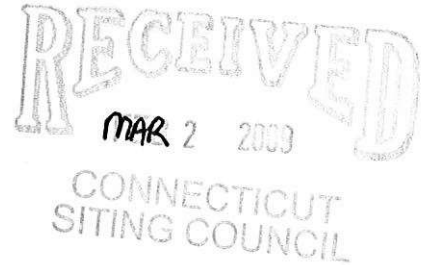
Steven L. Levine  
Real Estate Consultant

HAND DELIVERED

ORIGINAL

March 2, 2009

Honorable Daniel F. Caruso, Chairman,  
and Members of the Connecticut Siting Council  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051



Re: New Cingular Wireless PCS, LLC notice of intent to modify an existing tele-communications facility located at 122 Jonathan Trumbull Hwy, Andover (owner, AT&T Wireless)

Dear Chairman Caruso and Members of the Council:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("AT&T") plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the chief elected official of the municipality in which the affected cell site is located.

UMTS technology offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile (GSM) communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the Internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in AT&T's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will be unaffected.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than some enlarged equipment pads as may be noted in the attachments.
3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.
4. Radio frequency power density may increase due to use of one or more GSM channel for UMTS transmissions. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, New Cingular Wireless respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7636 with questions concerning this matter. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'SL Levine', written in a cursive style.

Steven L. Levine  
Real Estate Consultant

Attachments



# 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)

[www.ct.gov/csc](http://www.ct.gov/csc)

December 21, 2012

Eric Dahl  
Nexlink Global Services  
55 Lynn Road  
Ivoryton, CT 06442

RE: **EM-AT&T-001-121203** –AT&T Mobility notice of intent to modify an existing telecommunications facility located at 122 Jonathan Trumbull Highway, Andover, Connecticut.

Dear Mr. Dahl:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- The coax lines shall be installed in accordance with the recommendations made in the Structural Analysis Report prepared by GPD Group dated November 27, 2012 and stamped by David Granger; and
- Not more than 45 days following completion of the antenna installation, AT&T shall provide documentation certified by a professional engineer that its installation complied with the recommendation of the structural analysis.
- Any deviation from the proposed modification as specified in this notice and supporting materials with Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Not more than 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated November 30, 2012. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency

emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. 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. Thank you for your attention and cooperation.

Very truly yours,



Linda Roberts  
Executive Director

LR/CDM/cm

c: The Honorable Robert Burbank, First Selectman, Town of Andover



# Exhibit C

## **Photo Simulations**





AT&T SITE NUMBER: CTL05860  
AT&T SITE NAME: ANDOVER NORTH  
AT&T FA CODE: 10070910  
AT&T PACE NUMBER: MRCTB047251, MRCTB047238,  
AT&T PROJECT: MRCTB047170, MRCTB048185, MRCTB048187  
LTE 2C, 4TX4RX SOFTWARE RETROFIT,  
5G NR 1DR-1, LTE 3C, LTE 4C

BUSINESS UNIT #: 842856  
SITE ADDRESS: 122 JONATHAN TRUMBULL HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232  
COUNTY: TOLLAND  
SITE TYPE: MONOPOLE  
TOWER HEIGHT: 149'-0"



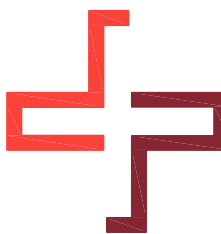
AT&T

575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



CROWN  
CASTLE

3530 TORINGDON WAY, SUITE 300  
CHARLOTTE, NC 28277



B+T GRP

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



AT&T SITE NUMBER: CTL05860

BU #: 842856  
ANDOVER NORTH

122 JONATHAN TRUMBULL  
HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	6/1/21	YXI	CONSTRUCTION	YXI



B&T ENGINEERING, INC.  
PEC.0001564  
Expires 2/10/22

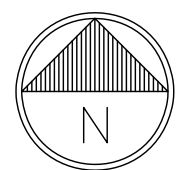
IT IS A VIOLATION OF LAW FOR ANY PERSON,  
UNLESS THEY ARE ACTING UNDER THE DIRECTION  
OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

SHEET NUMBER:  
T-1

REVISION:  
0

1

AIRIAL VIEW  
SCALE: N.T.S.







1

EXISTING VIEW DISTANT  
SCALE: N.T.S.

N



2

PROPOSED VIEW DISTANT  
SCALE: N.T.S.

N



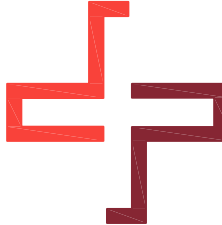
AT&T

575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



CROWN  
CASTLE

3530 TORINGDON WAY, SUITE 300  
CHARLOTTE, NC 28277



B+T GRP

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


AT&T SITE NUMBER: CTL05860

BU #: 842856  
ANDOVER NORTH

122 JONATHAN TRUMBULL  
HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	6/1/21	YXI	CONSTRUCTION	YXI



B&T ENGINEERING, INC.  
PEC.0001564  
Expires 2/10/22

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TO ALTER THIS DOCUMENT.

SHEET NUMBER:  
PS-1

REVISION:  
0



1:35726.006.01\_ANDOVER\_NORTH\_PHOTOSIMS.dwg -- Sheet:PS-2 -- User: yxiong -- Jun 02, 2021 -- 4:58pm



1

EXISTING VIEW CLOSE UP  
SCALE: N.T.S.


N



2


PROPOSED VIEW CLOSE UP  
SCALE: N.T.S.

N



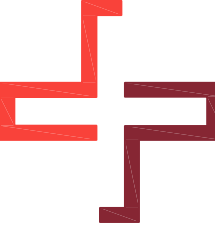
AT&T

575 MOROSGO DRIVE  
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ANDOVER NORTH

122 JONATHAN TRUMBULL  
HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	6/1/21	YXI	CONSTRUCTION	YXI



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Expires 2/10/22

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TO ALTER THIS DOCUMENT.

SHEET NUMBER:  
PS-2

REVISION:  
0

# Exhibit D

## **Construction Drawings**





**AT&T SITE NUMBER:** CTL05860  
**AT&T SITE NAME:** ANDOVER NORTH  
**AT&T FA CODE:** 10070910  
**AT&T PACE NUMBER:** MRCTB047251, MRCTB047238,  
**AT&T PROJECT:** MRCTB047170, MRCTB048185, MRCTB048187  
LTE 2C, 4TX4RX SOFTWARE RETROFIT,  
5G NR 1DR-1, LTE 3C, LTE 4C

**BUSINESS UNIT #:** 842856  
**SITE ADDRESS:** 122 JONATHAN TRUMBULL HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232  
**COUNTY:** TOLLAND  
**SITE TYPE:** MONOPOLE  
**TOWER HEIGHT:** 149'-0"



AT&T SITE NUMBER: CTL05860

BU #: 842856  
ANDOVER NORTH

122 JONATHAN TRUMBULL  
HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	3/26/21	JTS	PRELIMINARY REVIEW	MTJ
B	4/1/21	RPA	PRELIMINARY REVIEW	AY
C	4/16/21	GEH	PRELIMINARY REVIEW	MTJ
0	5/3/21	JJD	CONSTRUCTION	MTJ



B&T ENGINEERING, INC.  
PEC.0001564  
Expires 2/10/22

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OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

SHEET NUMBER:

T-1

REVISION:

0

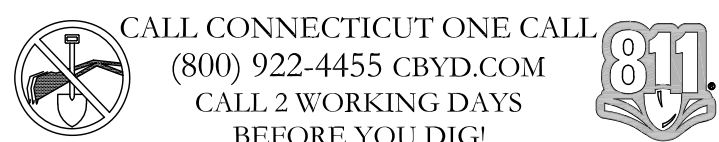
SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	ANDOVER NORTH
SITE ADDRESS:	122 JONATHAN TRUMBULL HIGHWAY (ROUTE 6) ANDOVER, CT 06232
COUNTY:	TOLLAND
MAP/PARCEL #:	ANDO-000028-000005-000004
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.750128°
LONGITUDE:	-72.402675°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	496 FT
CURRENT ZONING:	ARRD
JURISDICTION:	ANDOVER LEPC
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	ASC REAL ESTATE INC P O BOX 122 ANDOVER, CT 06232
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
TELCO PROVIDER:	AT&T

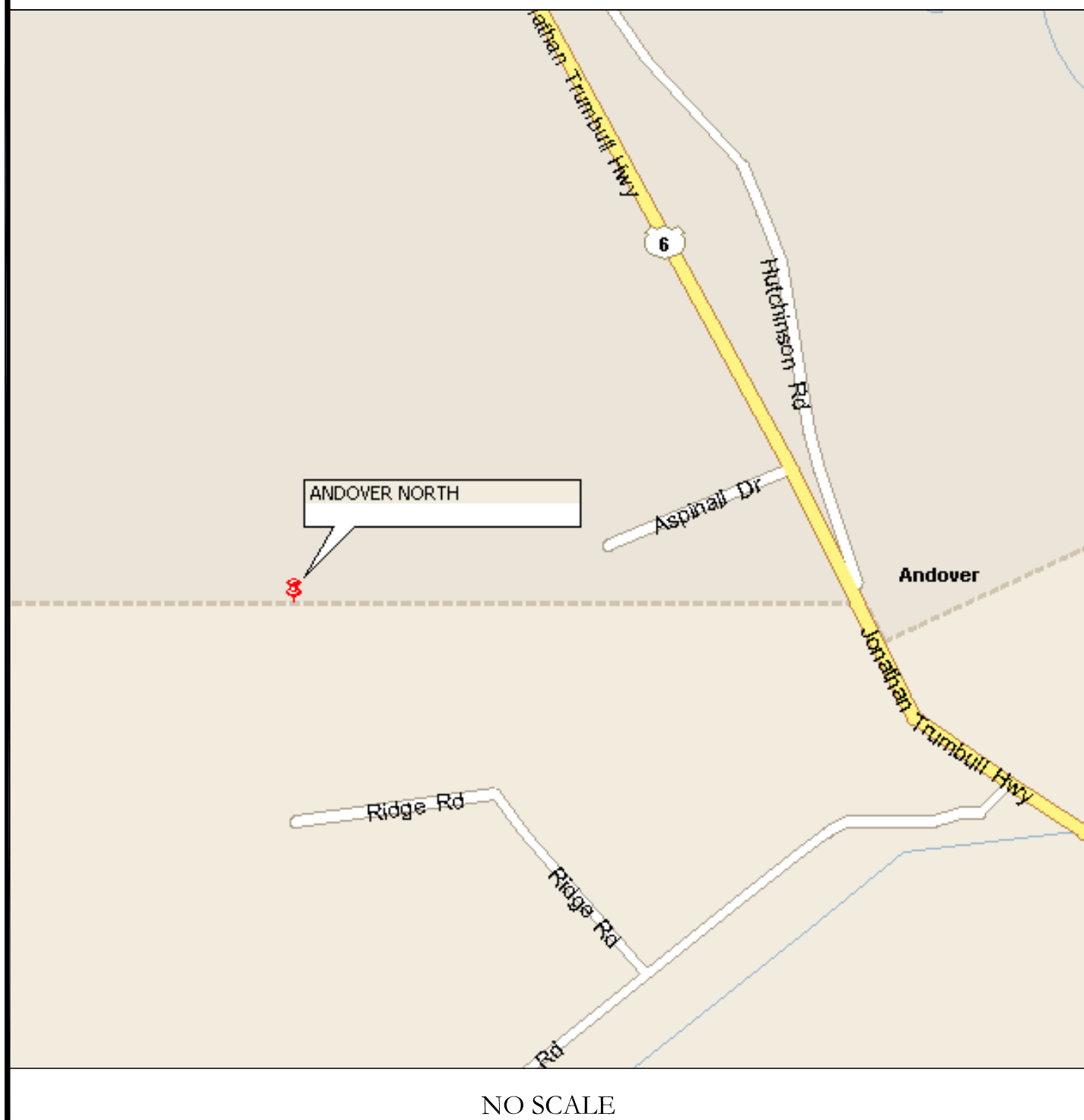
DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLANS
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL EQUIPMENT SCHEDULE
C-4	EQUIPMENT MOUNTING DETAILS
C-5	EQUIPMENT SPECS
C-6	MOUNT SPECS
C-7	CABINET SPECS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR  
----. 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.



LOCATION MAP



SITE PHOTO



PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 JENNY PAUL jpaul@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3530 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 28277

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 (3) POWERWAVE - 7770 ANTENNAS
- REMOVE (3) KMW - M-X-CD-16-65-00T-RET ANTENNAS
- REMOVE (6) POWERWAVE - LGP 21401 (DUAL BAND - 850 BYPASS) TMAS
- REMOVE (3) ERICSSON - RRUS-11 B12 RADIOS
- REMOVE (2) WR-VG66ST-BRD POWER CABLES (7/8")
- REPLACE EXISTING MOUNT PER MOUNT REPLACEMENT ANALYSIS BY POWER OF DESIGN  
GROUP DATED 4/13/21
- INSTALL (3) CCI - HPA65R-BU6A ANTENNAS
- INSTALL (3) CCI - DMP65R-BU6DA ANTENNAS
- INSTALL (3) ERICSSON - 4449 B5/B12 RADIOS
- INSTALL (3) ERICSSON - 8843 B2 B66A RADIOS
- INSTALL (2) WR-VG66STBRD\_CCIV2 POWER CABLES (7/8")
- INSTALL (6) Y CABLES

GROUND SCOPE OF WORK:

- REMOVE (6) POWERWAVE - LGP 21901 DIPLEXERS
- INSTALL (3) DBCT108F1V92-1 DIPLEXERS
- INSTALL (2) 4478 B14 RRU
- INSTALL (2) 6630 + IDLE
- INSTALL (1) FLEX16 CABINET W/ (1) DOOR UPGRADE KIT
- INSTALL (1) BREAKER PANEL
- INSTALL (8) APTDC-BDFDM-DB SURGE ARRESTORS

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	2015 IBC/2018 CONNECTICUT STATE BUILDING CODE
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	CROWN CASTLE
DATED:	1/15/21
MOUNT ANALYSIS:	POWER OF DESIGN GROUP
DATED:	4/13/21
AC ELECTRICAL POWER DESIGN:	N/A
DATED:	N/A
RFDS REVISION:	3
DATED:	12/21/20
ORDER ID:	517084
REVISION:	4

NOTE:  
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE  
CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.



CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- NOTICE TO PROCEED-- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
- "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.
- PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
- ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED-STD-10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
- THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- METAL CONDUIT AND TRAY SHALL BE GROUNDDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- APPROVED ANTI-OXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 ft. OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
- BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

GENERAL NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION  
CARRIER: AT&T  
TOWER OWNER: CROWN CASTLE USA INC.
- THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- THE CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
- CONCRETE EXPOSED TO FREEZE--THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
- ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:  
#4 BARS AND SMALLER.....40 ksi  
#5 BARS AND LARGER.....60 ksi
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:  
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
#6 BARS AND LARGER.....2"  
#5 BARS AND SMALLER.....1-1/2"  
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:  
SLAB AND WALLS.....3/4"  
BEAMS AND COLUMNS.....1-1/2"
- A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
  - ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
  - ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TO CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIEMOLD SPECIMATE WIREWAY).
- SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
- METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "AT&T".
- ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE		
SYSTEM	CONDUCTOR	COLOR
	A PHASE	BLACK
120/240V, 1Ø	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
	A PHASE	BLACK
120/208V, 3Ø	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
DC VOLTAGE	GROUND	GREEN
	POS (+)	RED**
	NEG (-)	BLACK**

\* SEE NEC 210.5(C)(1) AND (2)  
\*\* POLARITY MARKED AT TERMINATION

ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
FIF	FACILITY INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MGB	MASTER GROUND BAR
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
(P)	PROPOSED
PP	POWER PLANT
QTY	QUANTITY
RECT	RECTIFIER
RBS	RADIO BASE STATION
RET	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT



575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



3530 TORINGDON WAY, SUITE 300  
CHARLOTTE, NC 28277



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

AT&T SITE NUMBER: CTL05860

BU #: 842856  
ANDOVER NORTH

122 JONATHAN TRUMBULL  
HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	3/26/21	JTS	PRELIMINARY REVIEW	MTJ
B	4/1/21	RPA	PRELIMINARY REVIEW	AY
C	4/16/21	GEH	PRELIMINARY REVIEW	MTJ
0	5/3/21	JJD	CONSTRUCTION	MTJ



B&T ENGINEERING, INC.  
PEC.0001564  
Expires 2/10/22

IT IS A VIOLATION OF LAW FOR ANY PERSON,  
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OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

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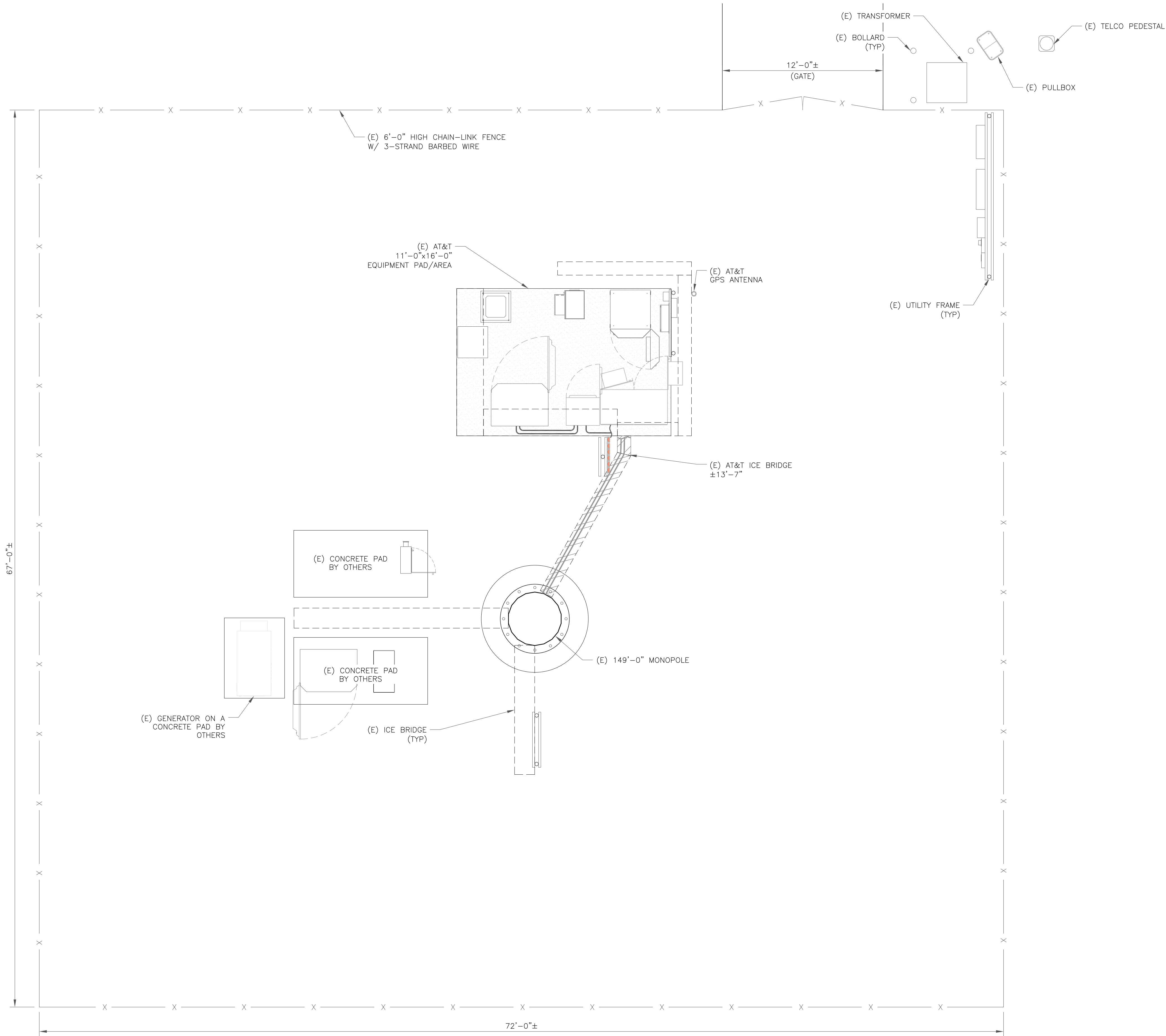
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REVISION:

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1:35726.004.01 Andover North.dwg -- Sheet:C-1.1 -- User: njones -- May 03, 2021 -- 9:21am



1 SITE PLAN

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

**AT&T**

575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300

**CROWN CASTLE**

3530 TORINGDON WAY, SUITE 300  
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**B+T GRP**

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**C-1.1**

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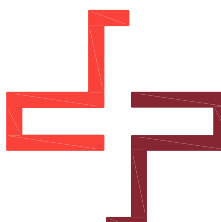




**AT&T**  
575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



**CROWN  
CASTLE**  
3530 TORINGDON WAY, SUITE 300  
CHARLOTTE, NC 28277



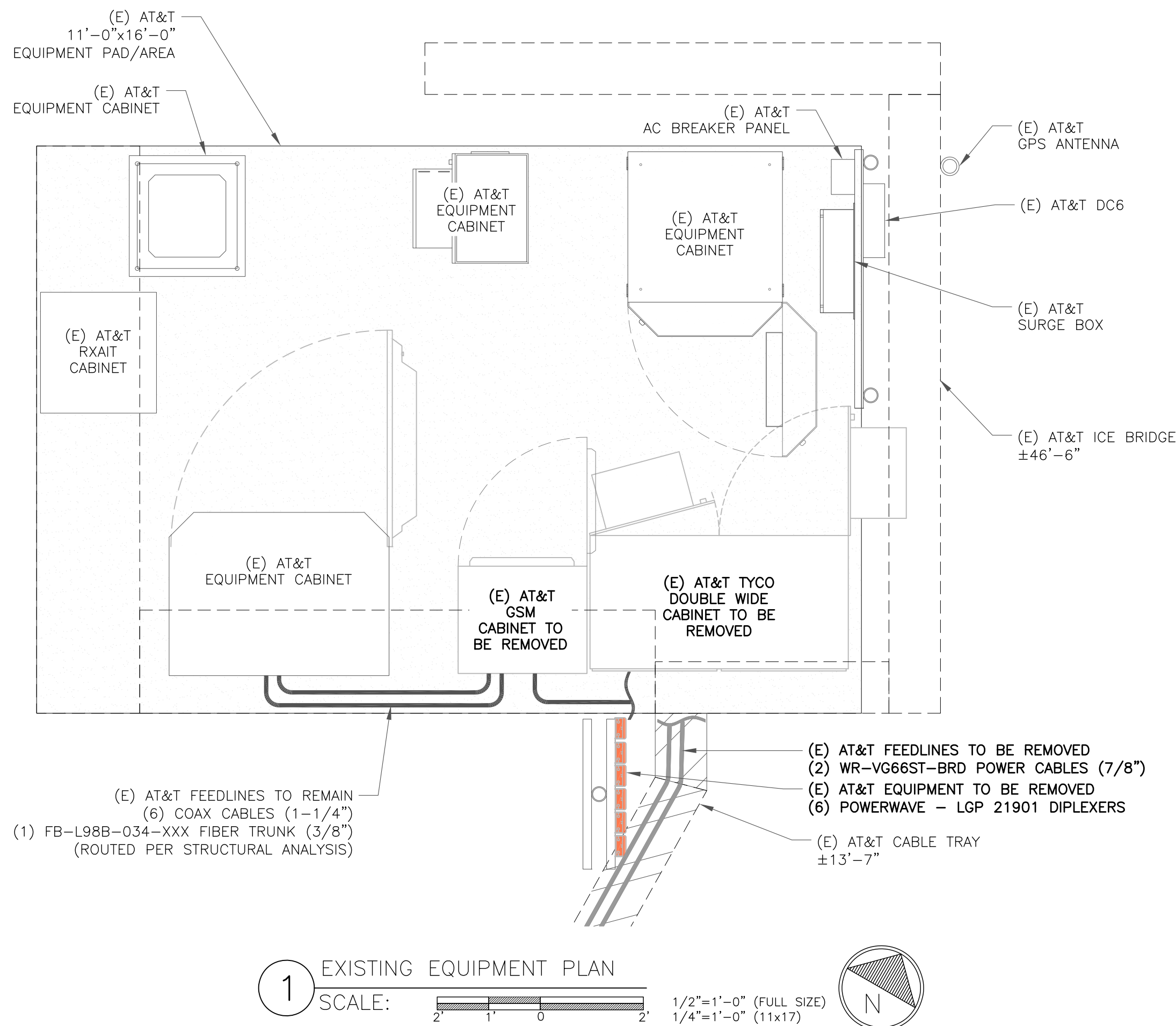
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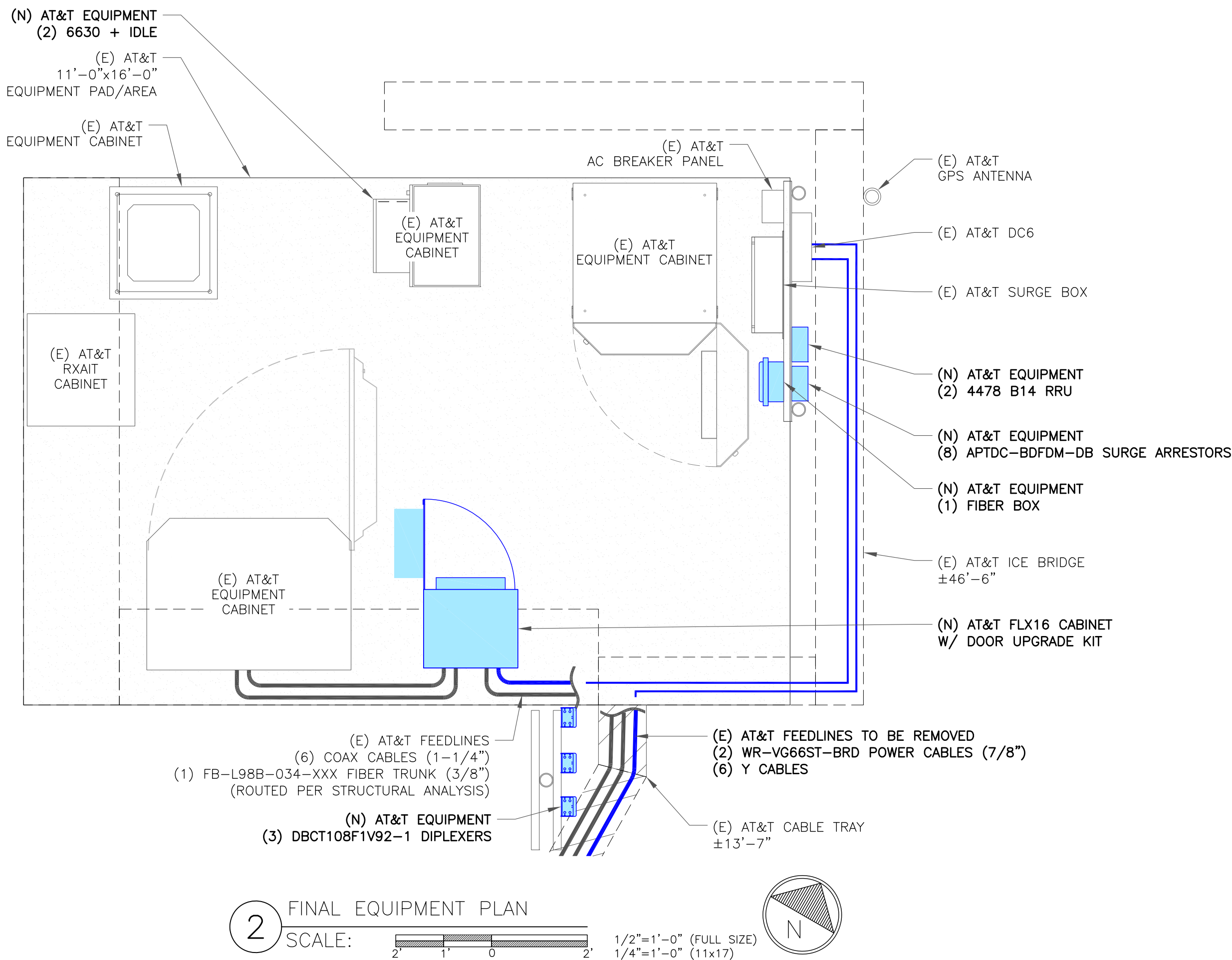
BU #: 842856  
ANDOVER NORTH

122 JONATHAN TRUMBULL  
HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE



- GROUND SCOPE OF WORK:
- INSTALL (3) DBCT108F1V92-1 DIPLEXERS
  - INSTALL (2) 4478 B14 RRU
  - INSTALL (2) 6630 + IDLE
  - INSTALL (1) FIBER BOX
- 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.



ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
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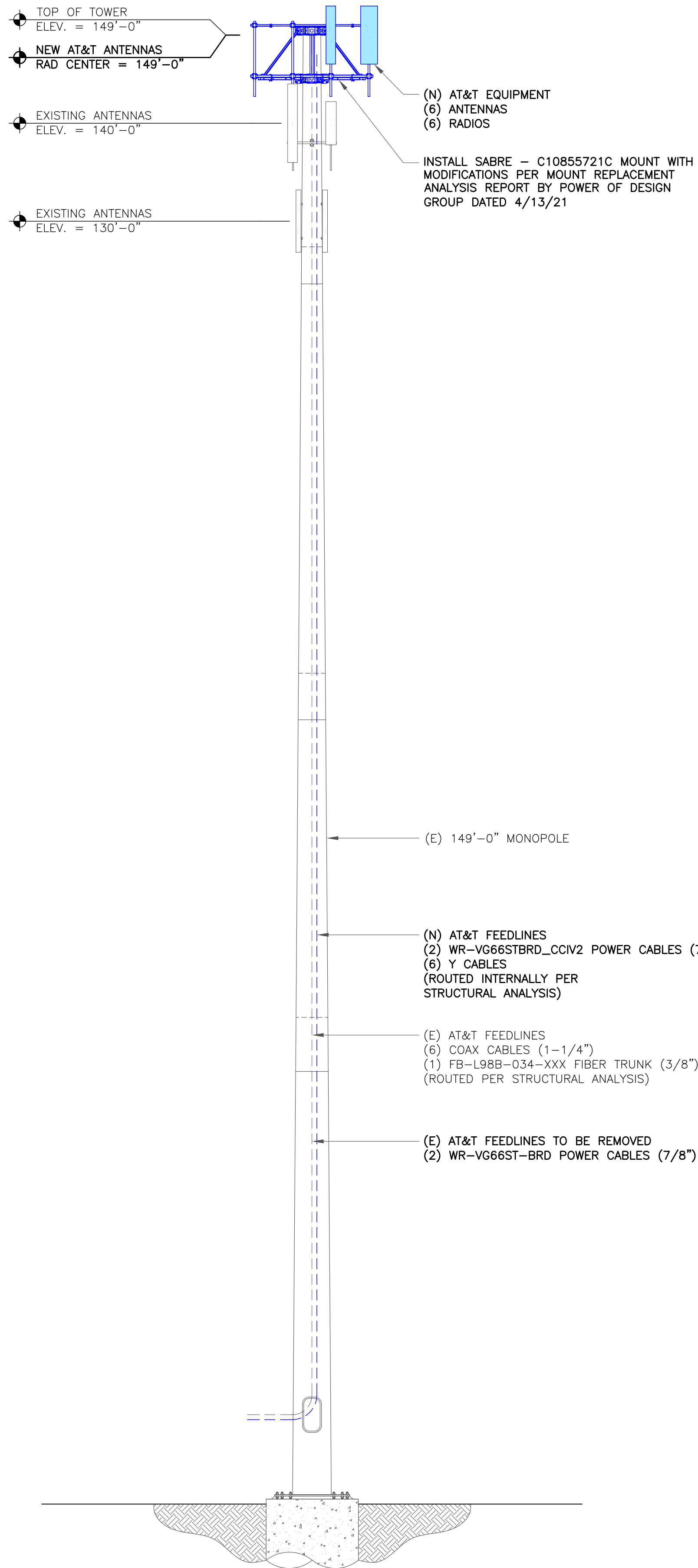
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Expires 2/10/22

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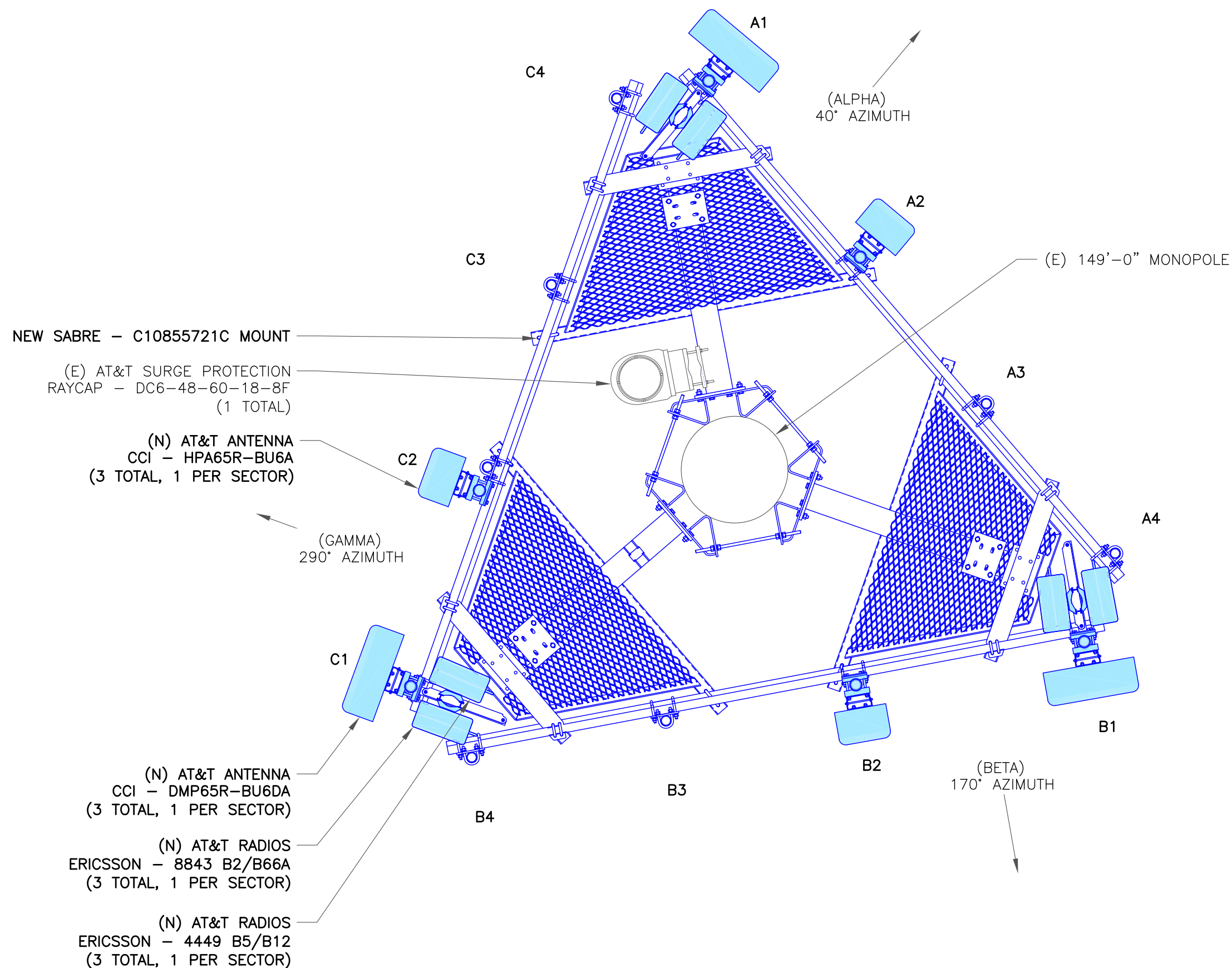
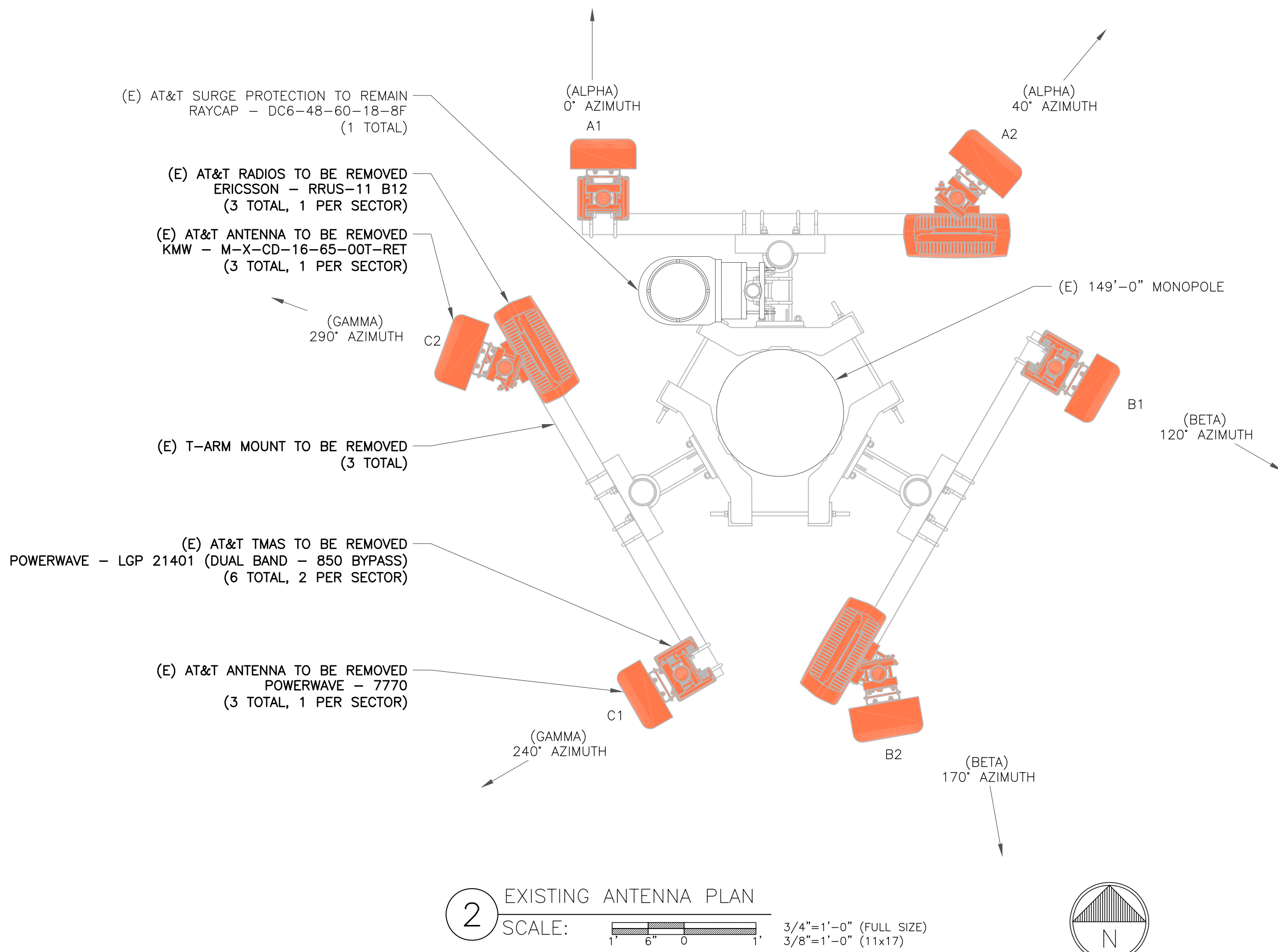
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REVISION:  
**0**





1 FINAL ELEVATION  
SCALE: NOT TO SCALE

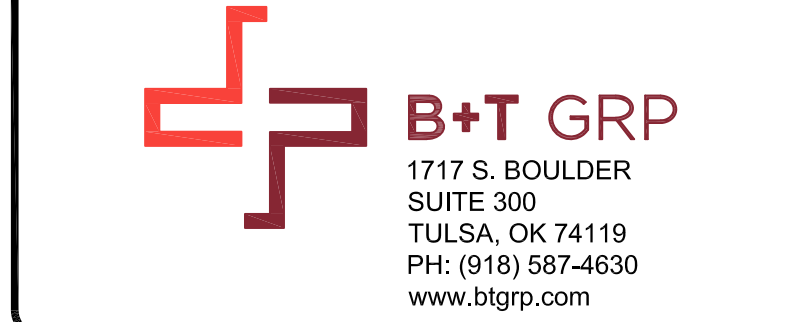


"LOOK UP" - CROWN CASTLE, USA INC.  
SAFETY CLIMB REQUIREMENT:

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 CLIMBING FACILITY 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.
- RRU TO BE INSTALLED USING Y-CABLES



AT&T SITE NUMBER: CTL05860

BU #: 842856  
ANDOVER NORTH

122 JONATHAN TRUMBULL  
HIGHWAY (ROUTE 6)  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	3/26/21	JTS	PRELIMINARY REVIEW	MTJ
B	4/1/21	RPA	PRELIMINARY REVIEW	AY
C	4/16/21	GEH	PRELIMINARY REVIEW	MTJ
0	5/3/21	JJD	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.  
PEC.0001564  
Expires 2/10/22

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TO ALTER THIS DOCUMENT.


SHEET NUMBER:	REVISION:
C-2	0




1:35726.004.01 Andover North.dwg -- Sheet: C-3 -- User: mjonas -- May 03, 2021 -- 9:21am

FINAL ANTENNA AND FEEDLINE SCHEDULE																		
POS.	TECH	STATUS	AZIMUTH	ANTENNA TYPE	ANTENNA RAD CENTER	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	MAIN COAX SIZE	MAIN COAX LENGTH	COAX QTY	TMA QTY AND MODEL	SURGE PROTECTION	DC/FIBER CABLES	RRHs QTY & MODEL ON TOWER	LOCATION	DIPLEXER ON TOWER	DIPLEXER ON GROUND	RET CABLE
ALPHA SECTOR																		
A1	LTE 700/LTE 850/LTE 1900/5G 850	NEW	40°	CCI DMP65R-BU6DA	149'-0"	0°	8°/8°/2°/2°/8°	-	-	-	-	DC6-48-60-18-8F	(1) 3/8" FIBER	(1) 4449 B5/B12 (1) 8843 B2/B66A	TOWER	N	N	N
A2	UMTS 850/LTE 700/LTE AWS	NEW	40°	CCI HPA65R-BU6A	149'-0"	0°	8°/4°/2°	1 1/4"	201'-0"	2	-			-	TOWER	N	Y	N
A3	-	-	-	EMPTY MOUNT	-	-	-	-	-	-	-			-	TOWER	N	N	N
A4	-	-	-	EMPTY MOUNT	-	-	-	-	-	-	-			-	TOWER	N	N	N
BETA SECTOR																		
B1	LTE 700/LTE 850/LTE 1900/5G 850	NEW	40°	CCI DMP65R-BU6DA	149'-0"	0°	8°/8°/2°/2°/8°	-	-	-	-	-	(2) 7/8" POWER CABLES	(1) 4449 B5/B12 (1) 8843 B2/B66A	TOWER	N	N	N
B2	UMTS 850/LTE 700/LTE AWS	NEW	40°	CCI HPA65R-BU6A	149'-0"	0°	8°/4°/2°	1 1/4"	201'-0"	2	-			-	TOWER	N	Y	N
B3	-	-	-	EMPTY MOUNT	-	-	-	-	-	-	-			-	TOWER	N	N	N
B4	-	-	-	EMPTY MOUNT	-	-	-	-	-	-	-			-	TOWER	N	N	N
GAMMA SECTOR																		
C1	LTE 700/LTE 850/LTE 1900/5G 850	NEW	40°	CCI DMP65R-BU6DA	149'-0"	0°	8°/8°/2°/2°/8°	-	-	-	-	-	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	TOWER	N	N	N
C2	UMTS 850/LTE 700/LTE AWS	NEW	40°	CCI HPA65R-BU6A	149'-0"	0°	8°/4°/2°	1 1/4"	201'-0"	2	-			-	TOWER	N	Y	N
C3	-	-	-	EMPTY MOUNT	-	-	-	-	-	-	-			-	TOWER	N	N	N
C4	-	-	-	EMPTY MOUNT	-	-	-	-	-	-	-			-	TOWER	N	N	N


NOTE: BOLD DENOTES NEW EQUIPMENT



575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



3530 TORINGDON WAY, SUITE 300  
CHARLOTTE, NC 28277



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

AT&T SITE NUMBER: **CTL05860**


BU #: **842856**  
**ANDOVER NORTH**

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0	5/3/21	JJD	CONSTRUCTION	MTJ

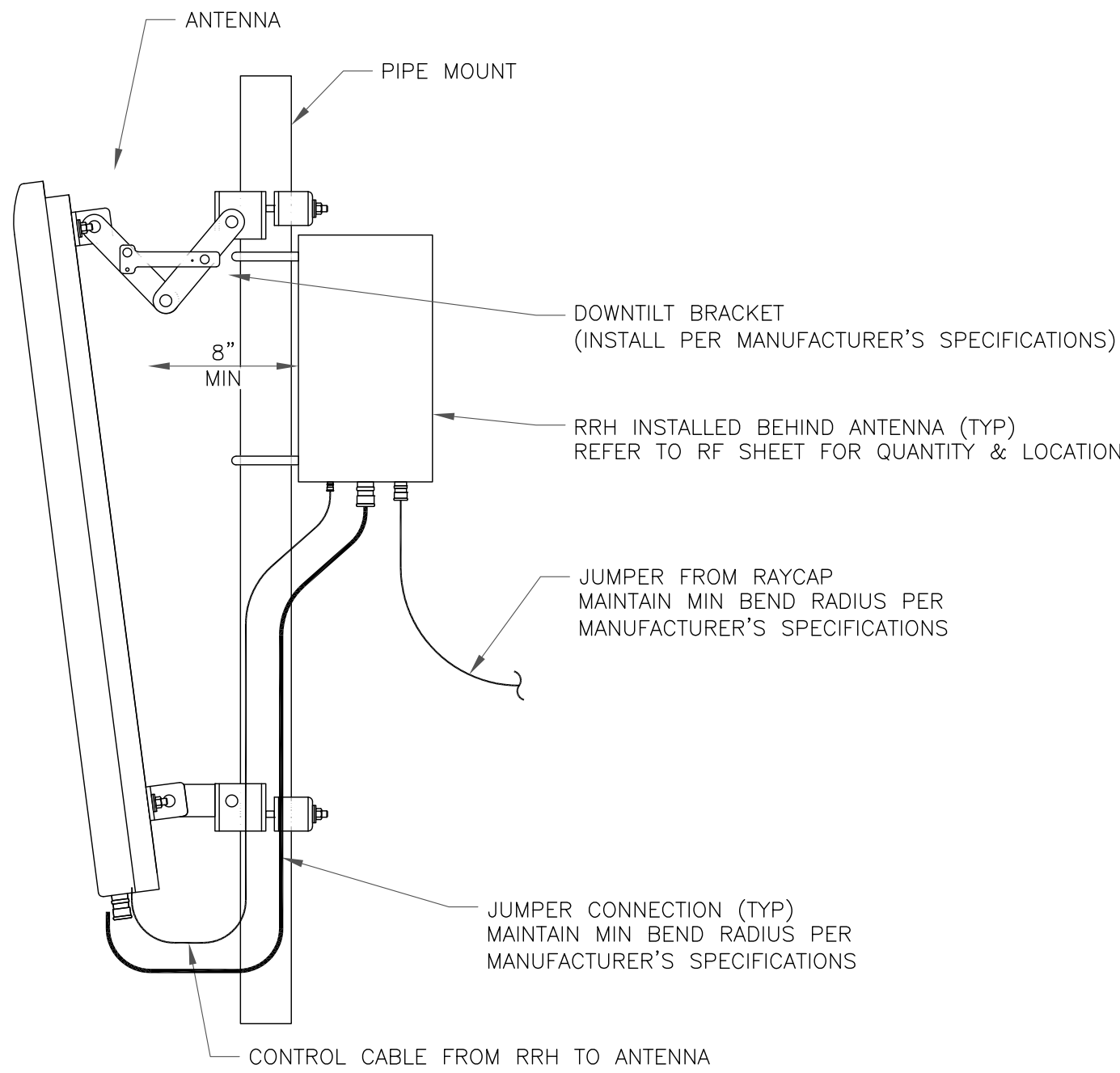


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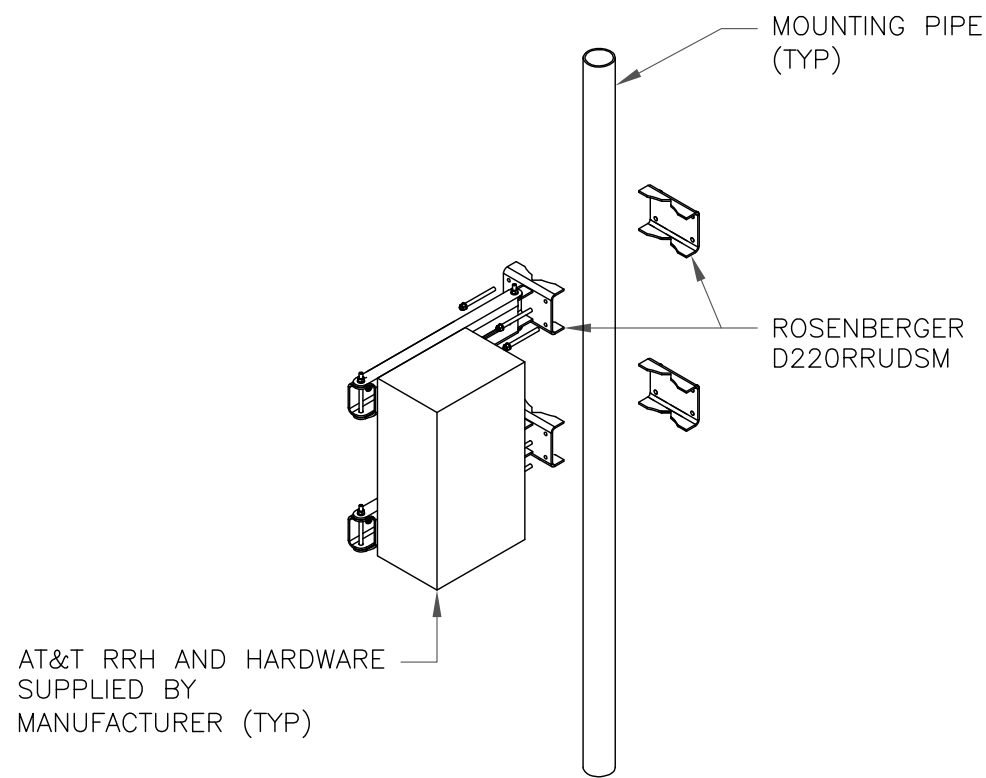
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**C-3**

REVISION:  
**0**



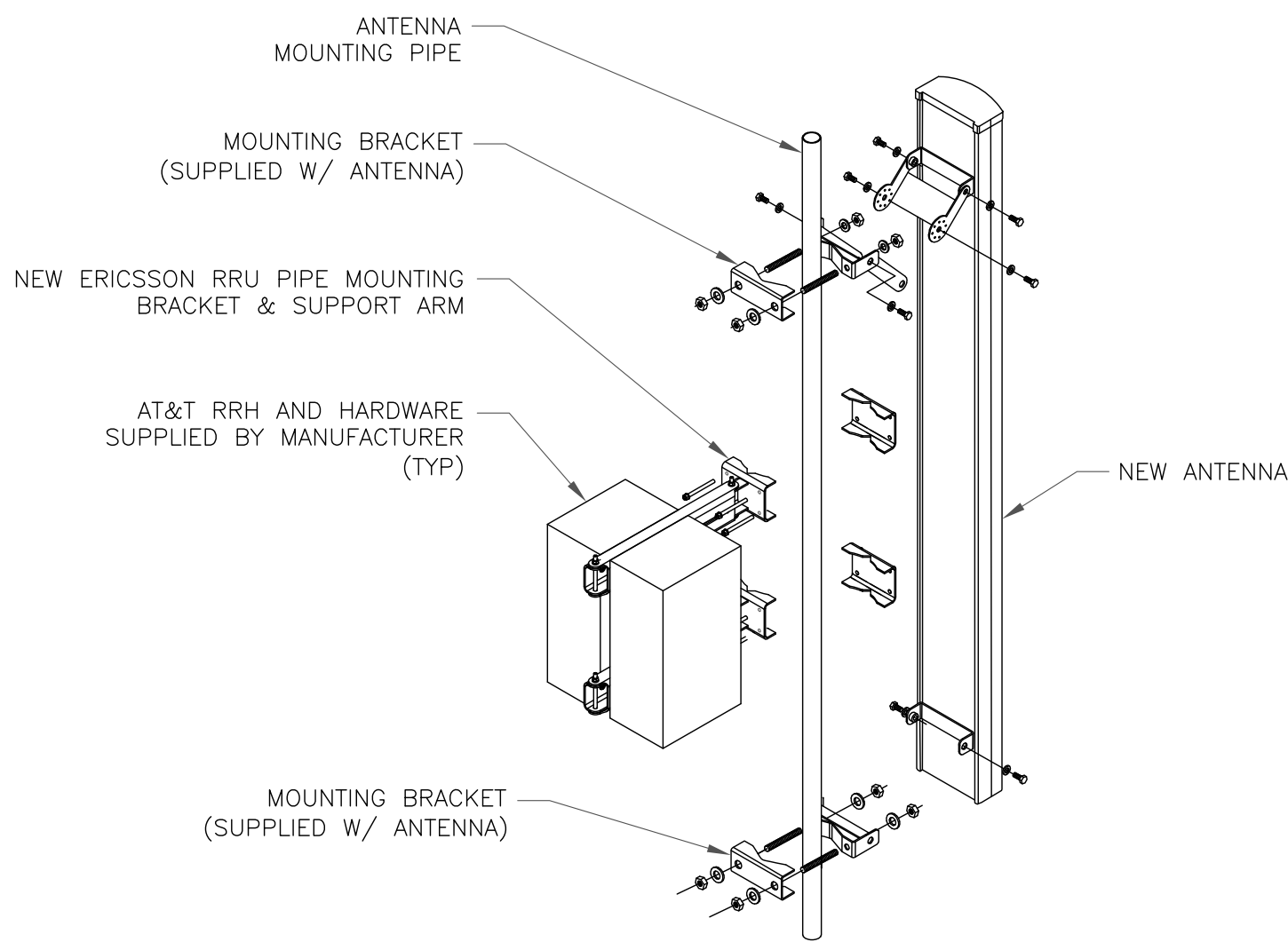
1 GENERIC ANTENNA MOUNTING ELEVATION  
SCALE: NOT TO SCALE

NOTE:  
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.



2 RRH DUAL BRACKET MOUNT DETAIL  
SCALE: N.T.S.

- INSTALLER NOTES:
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.



5 ANTENNA WITH DUAL RRH MOUNTING DETAIL  
SCALE: NOT TO SCALE

3 NOT USED  
SCALE: NOT TO SCALE

4 NOT USED  
SCALE: NOT TO SCALE

6 NOT USED  
SCALE: NOT TO SCALE




AT&T

575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



CROWN  
CASTLE

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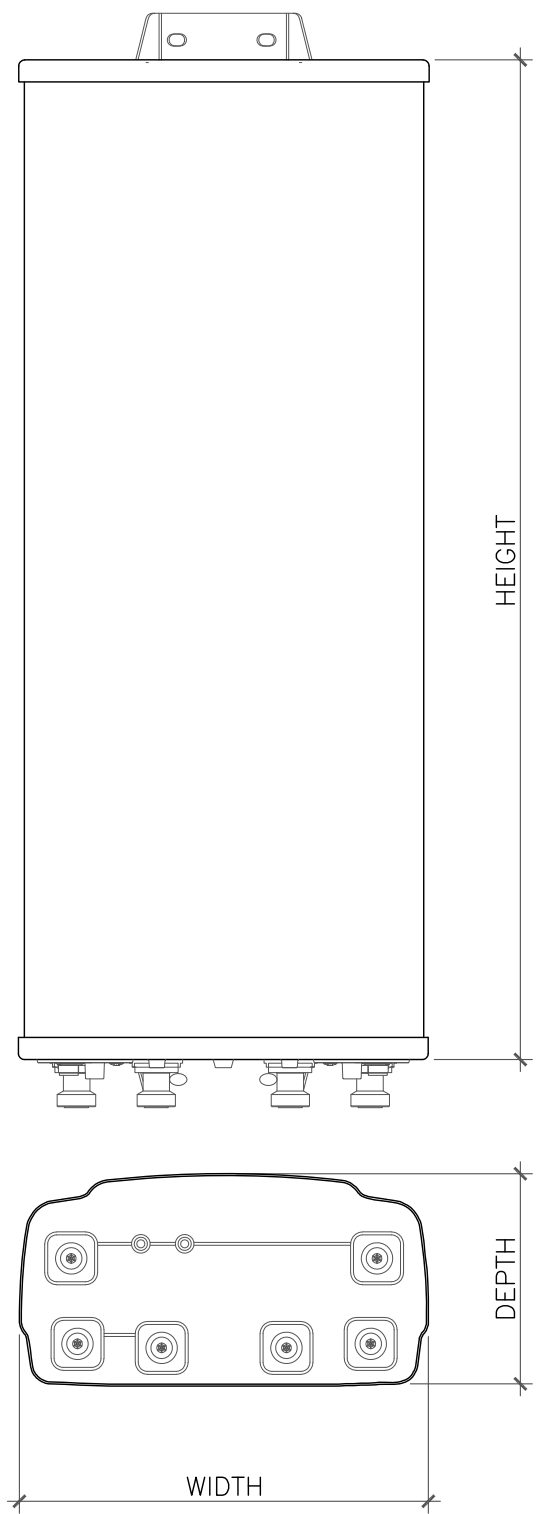
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C-4

REVISION:  
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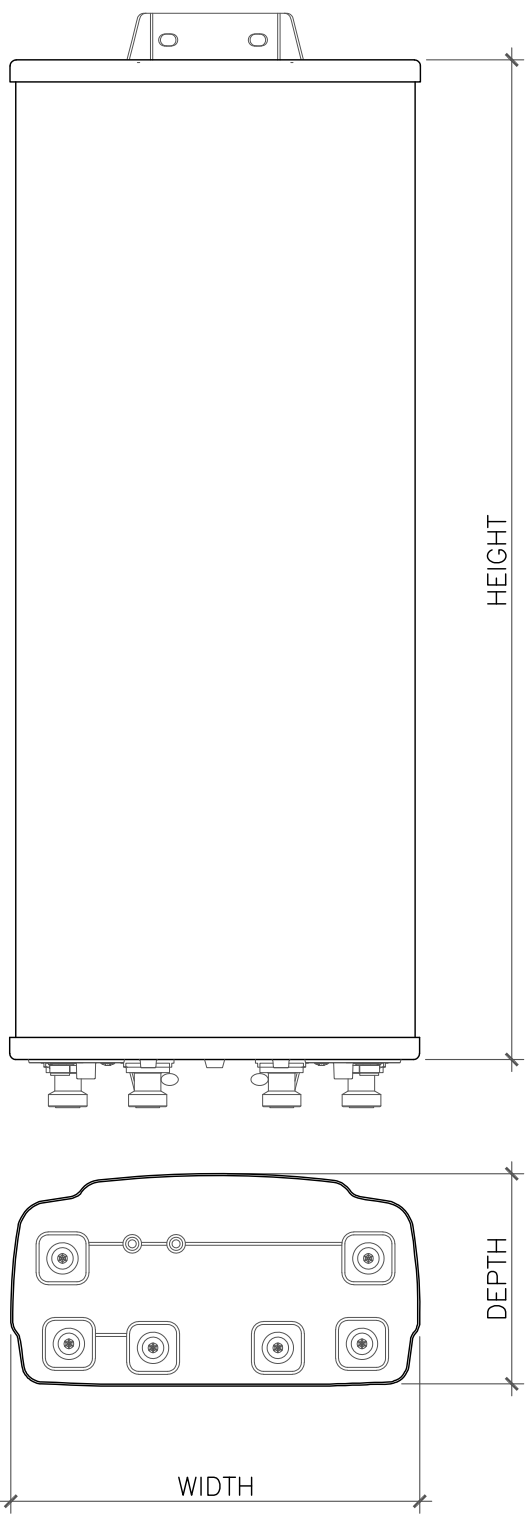


1:35726.004.01 Andover North.dwg — Sheet:C-5 — User: mjonas — May 03, 2021 — 9:21am



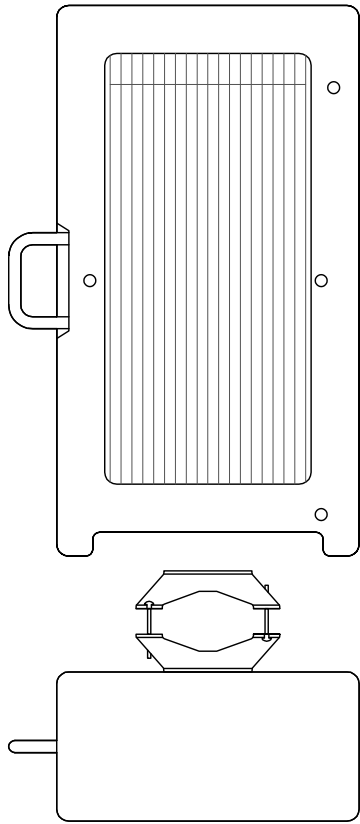
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
DMP65R-BU6D	71.2"	20.7"	7.7"	89.3 lbs

1 ANTENNA DETAIL  
SCALE: NOT TO SCALE



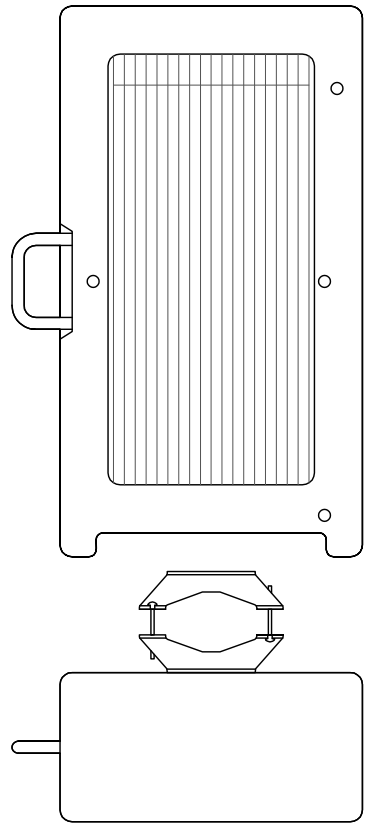
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
HPA65R-BU6A	71.1"	11.7"	7.6"	54.5 lbs

2 ANTENNA DETAIL  
SCALE: NOT TO SCALE



ERICSSON — 4449 B5/B12  
WEIGHT (FULLY EQUIPPED): 71.0 LBS  
SIZE (HxWxD): 17.9x13.2x9.44 IN.  
CONNECTOR TYPE: 4.3-10 FEMALE (4 TOTAL PORTS)  
TO BE INSTALLED USING Y-CABLES

3 ERICSSON — 4449 B5/B12  
SCALE: NOT TO SCALE



ERICSSON — 8843 B2/B66A  
WEIGHT (FULLY EQUIPPED): 72.0 LBS  
SIZE (HxWxD): 14.9x13.2x10.9 IN.  
CONNECTOR TYPE: 4.3-10 FEMALE (4 TOTAL PORTS)  
TO BE INSTALLED USING Y-CABLES

4 ERICSSON — 8843 B2/B66A  
SCALE: NOT TO SCALE



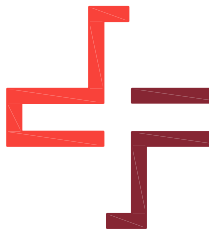
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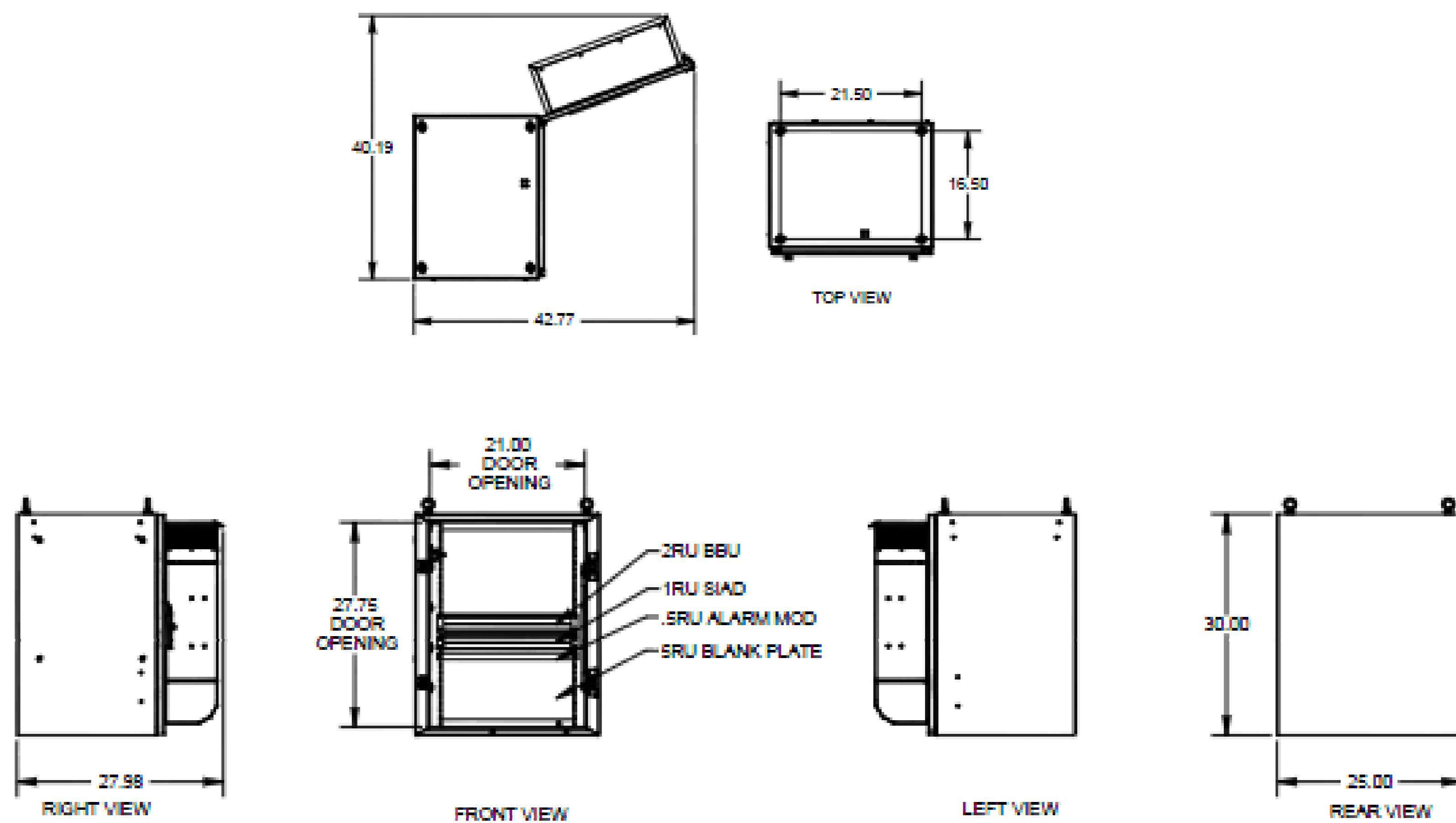




# LTE Solution - FLX16WS

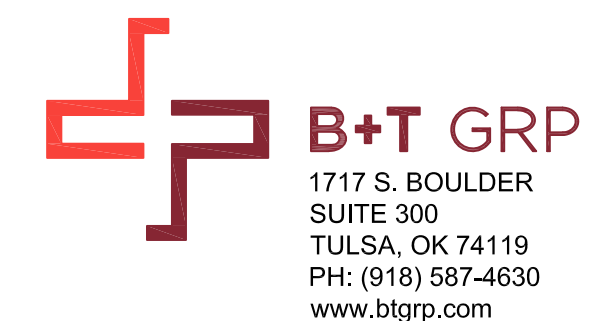


## FLX16WS with 81W/C HEX Solution



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4



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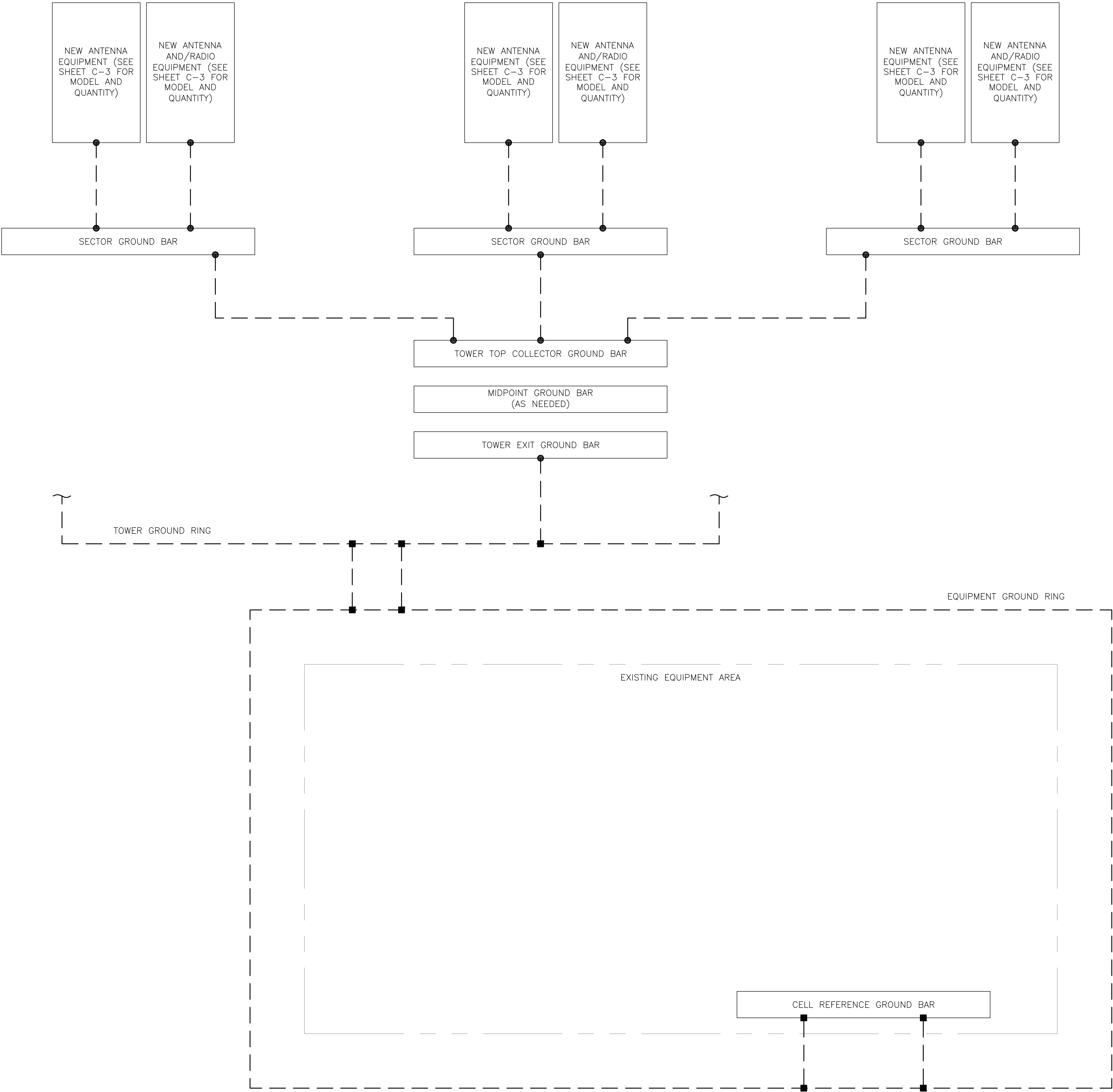
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C-7

REVISION:

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1 PURCELL FLX16 DETAILS  
SCALE: NOT TO SCALE



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.



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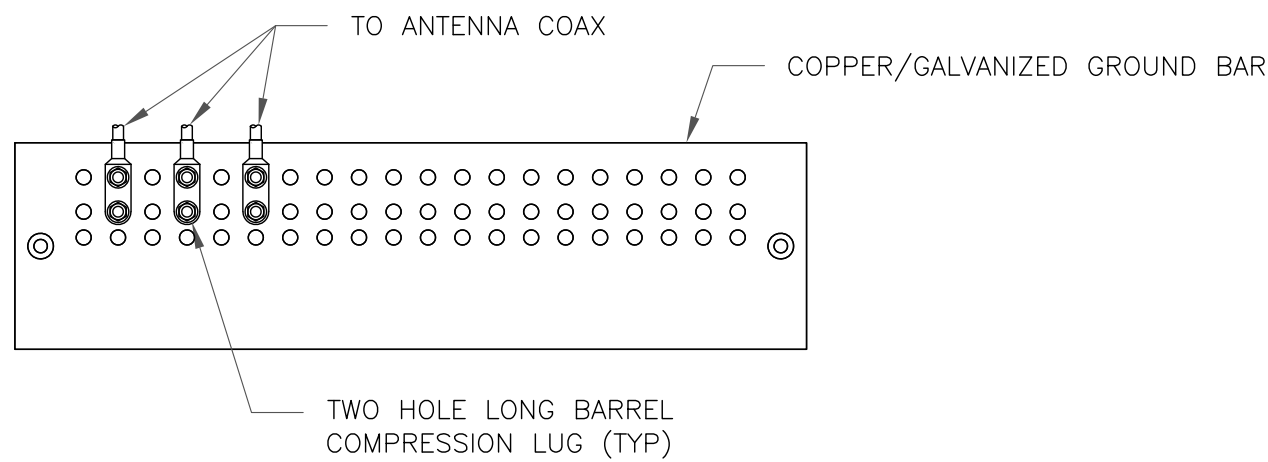
G-1

REVISION:

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1 GROUNDING SCHEMATIC  
SCALE: NOT TO SCALE

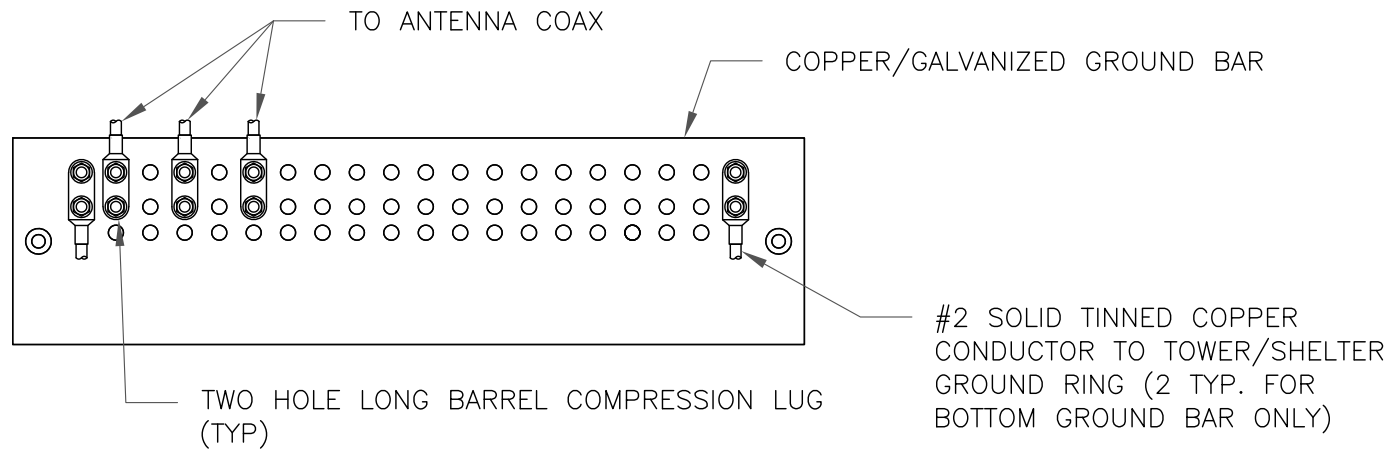




NOTES:

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

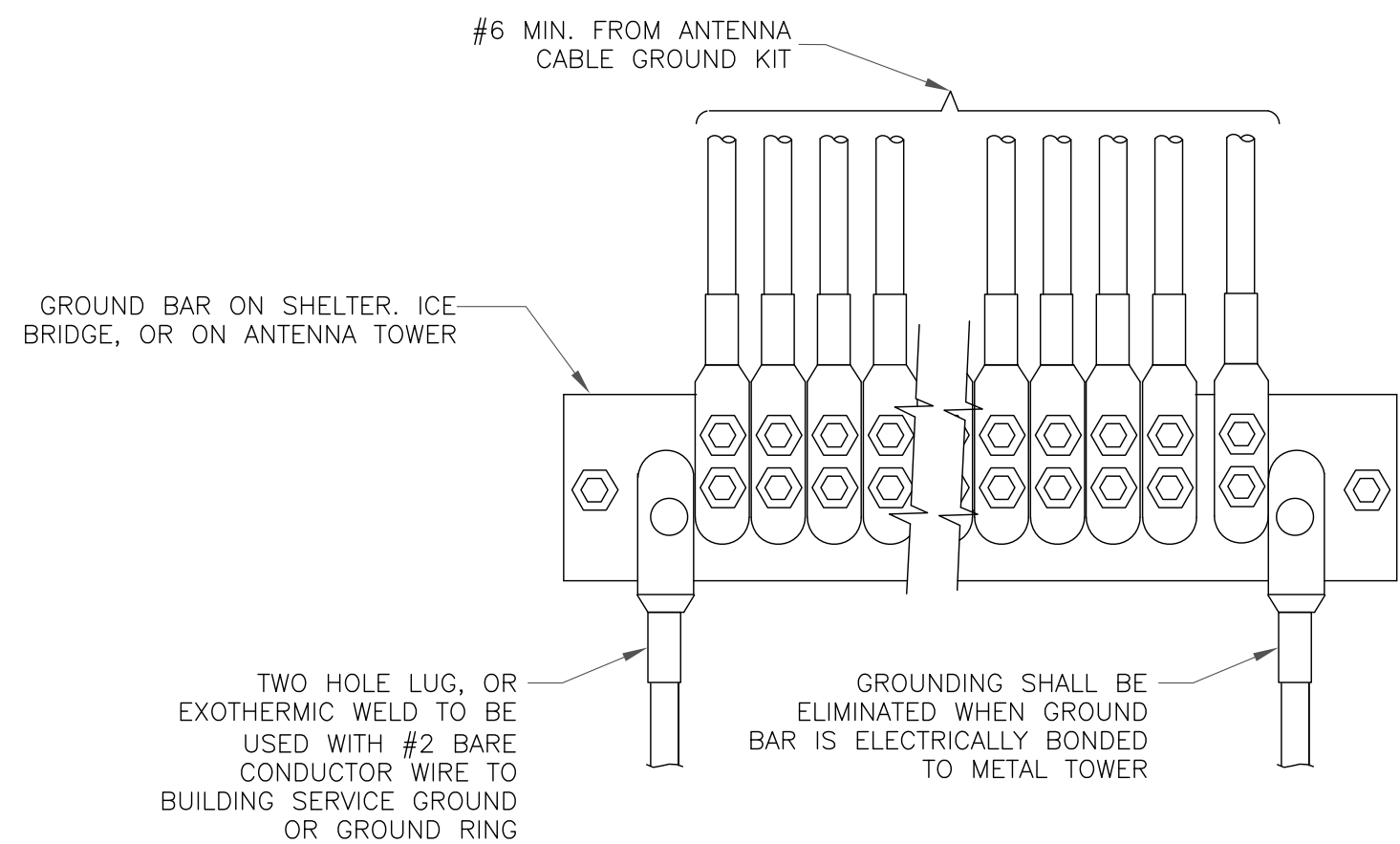
1 ANTENNA SECTOR GROUND BAR DETAIL  
SCALE: NOT TO SCALE



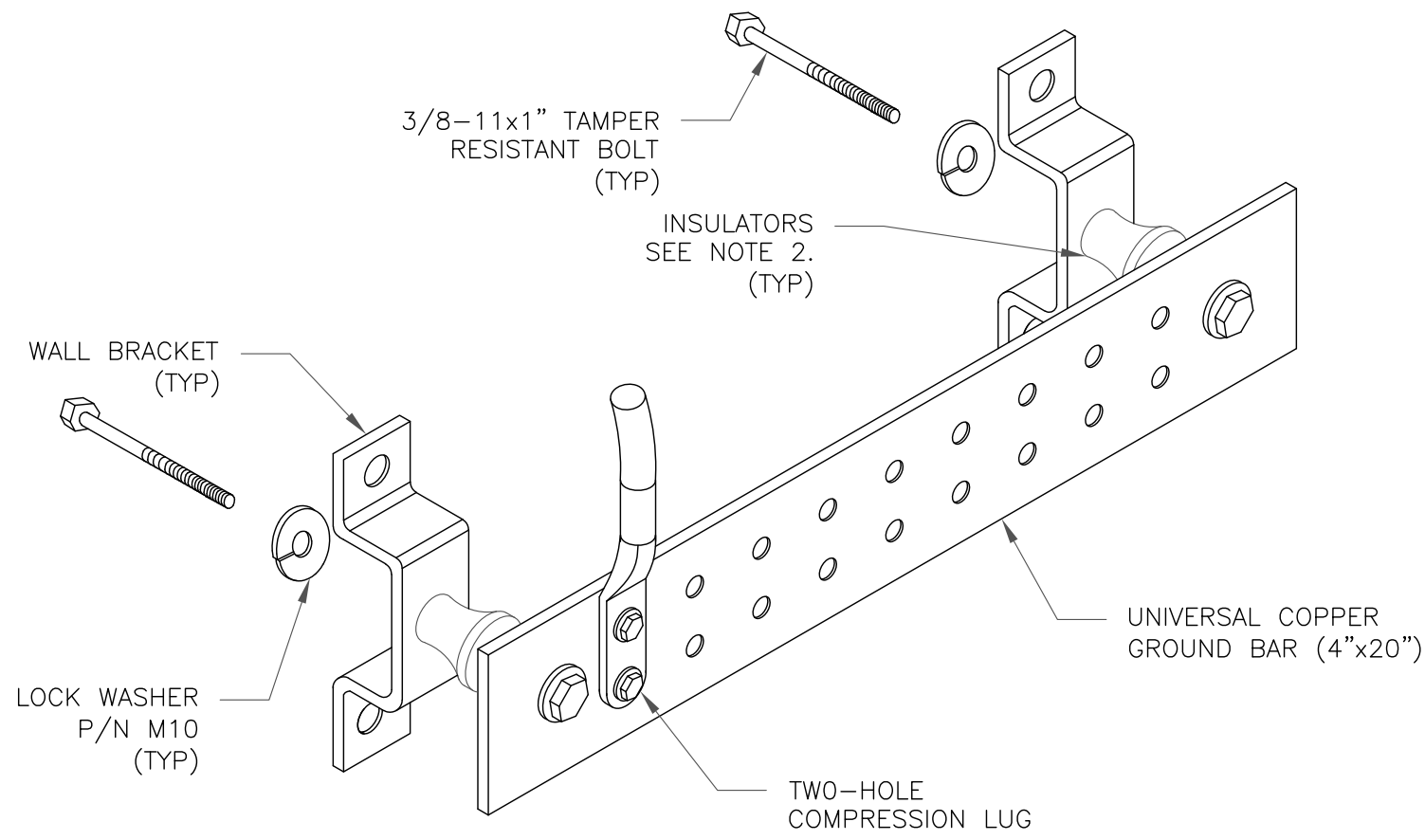
NOTES:

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

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



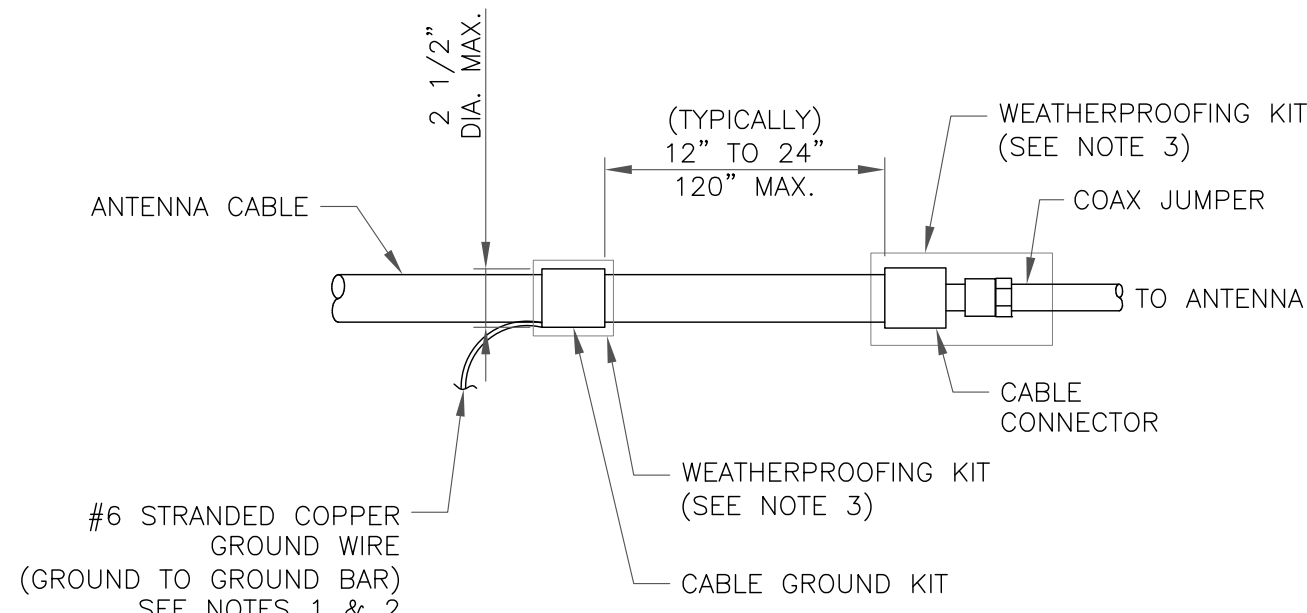
4 GROUNDWIRE INSTALLATION  
SCALE: NOT TO SCALE



NOTES:

- 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.
- OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

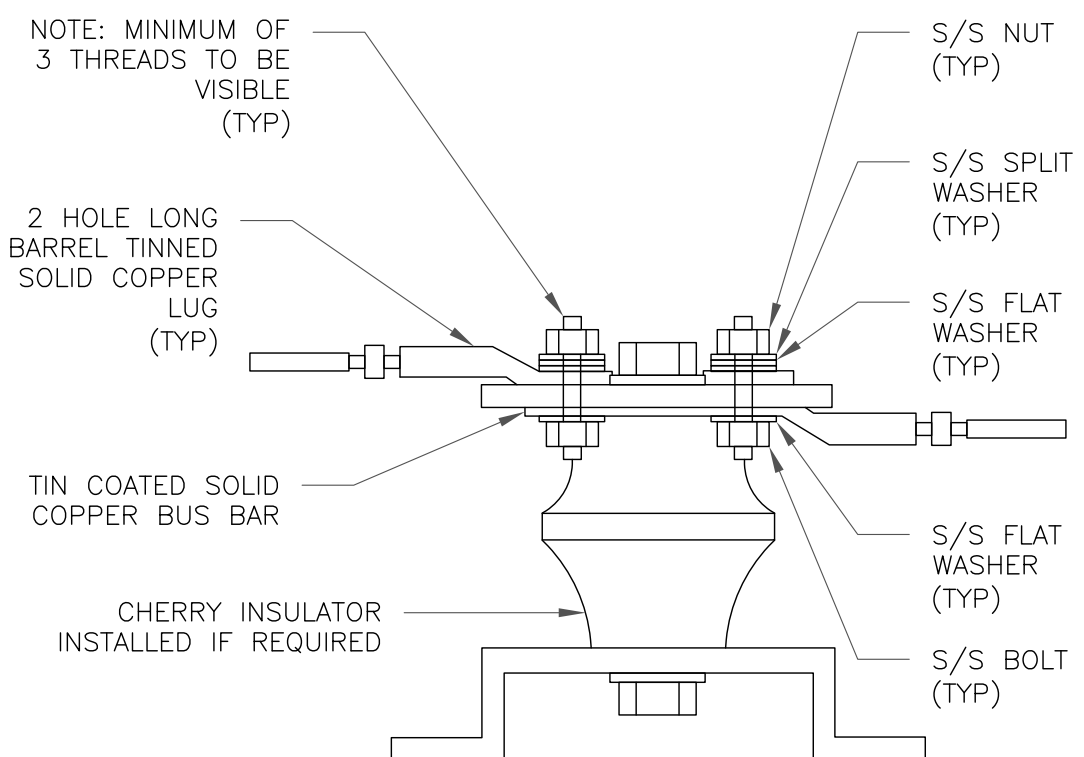
5 GROUND BAR DETAIL  
SCALE: NOT TO SCALE



NOTES:

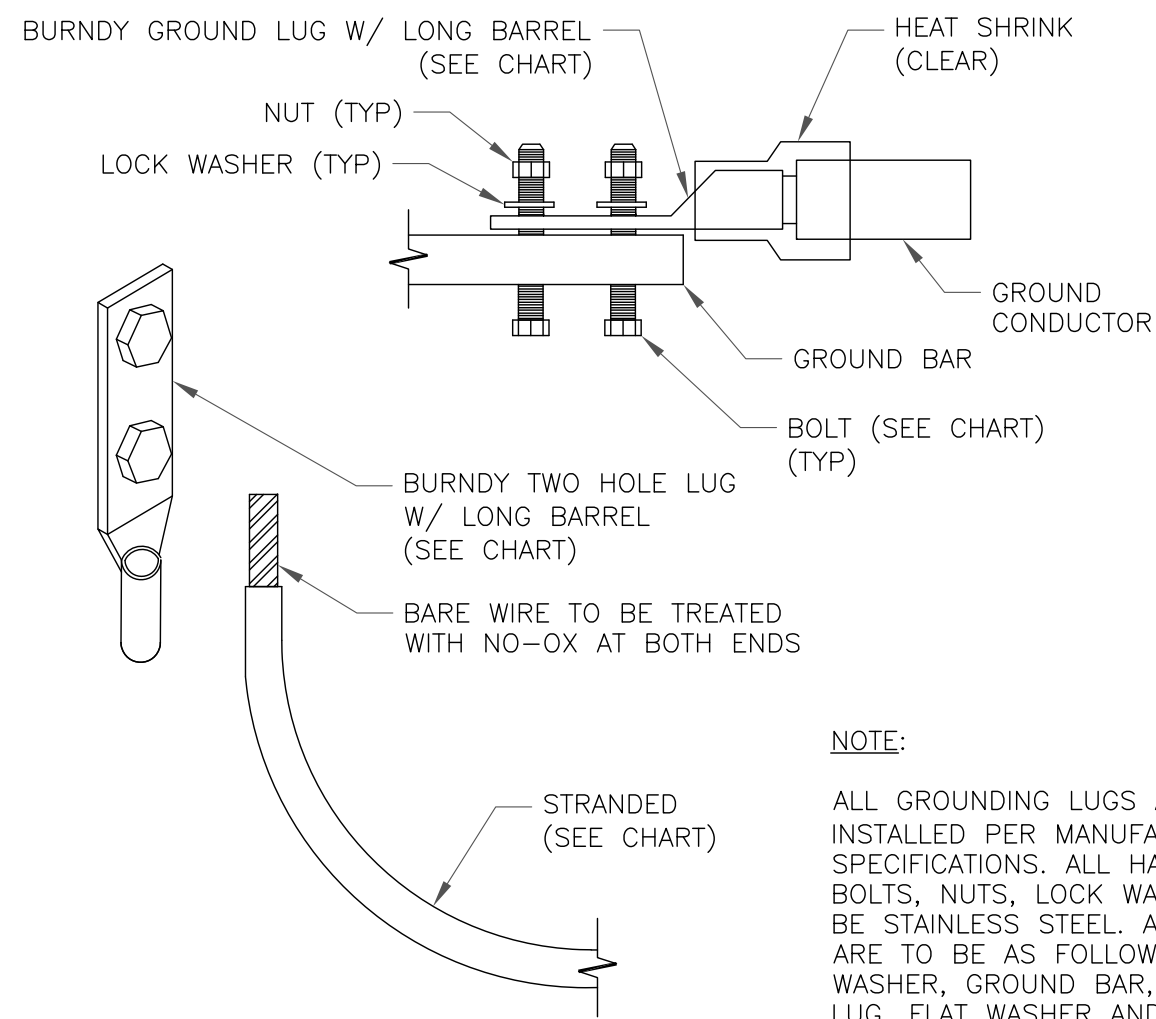
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
- WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

6 CABLE GROUND KIT CONNECTION  
SCALE: NOT TO SCALE



7 LUG DETAIL  
SCALE: NOT TO SCALE

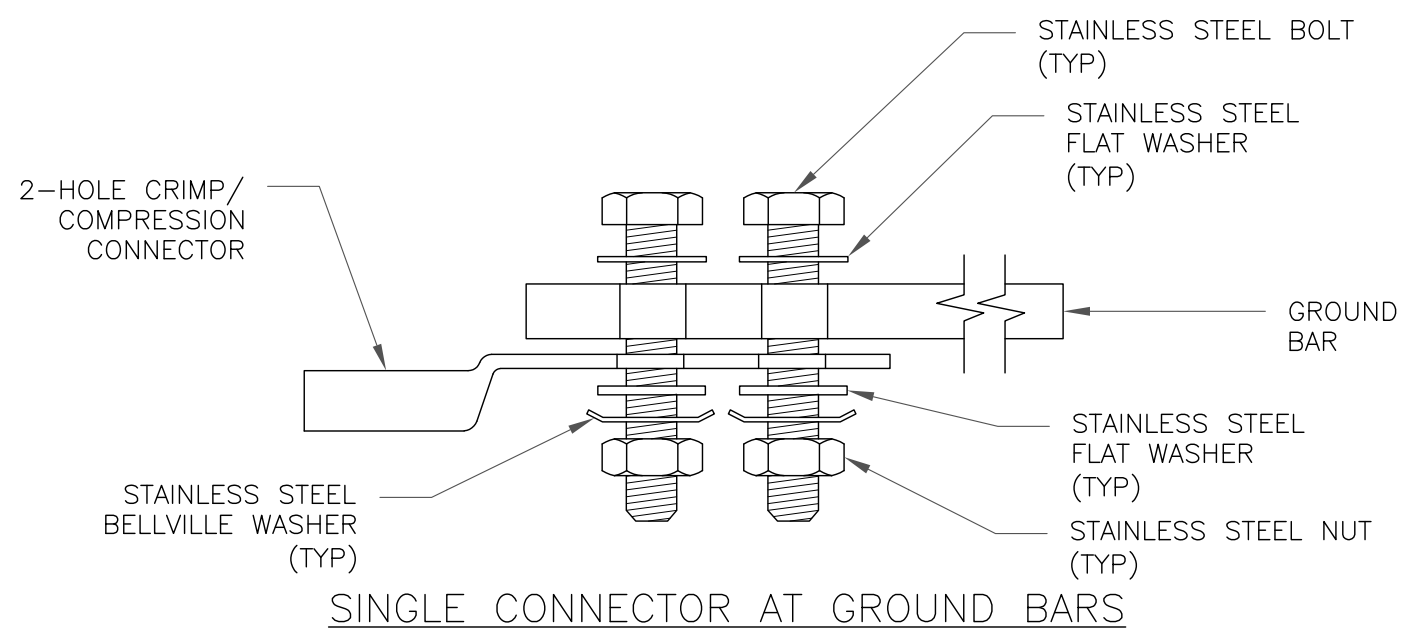
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC3B	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC3B	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC3B	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC3B	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



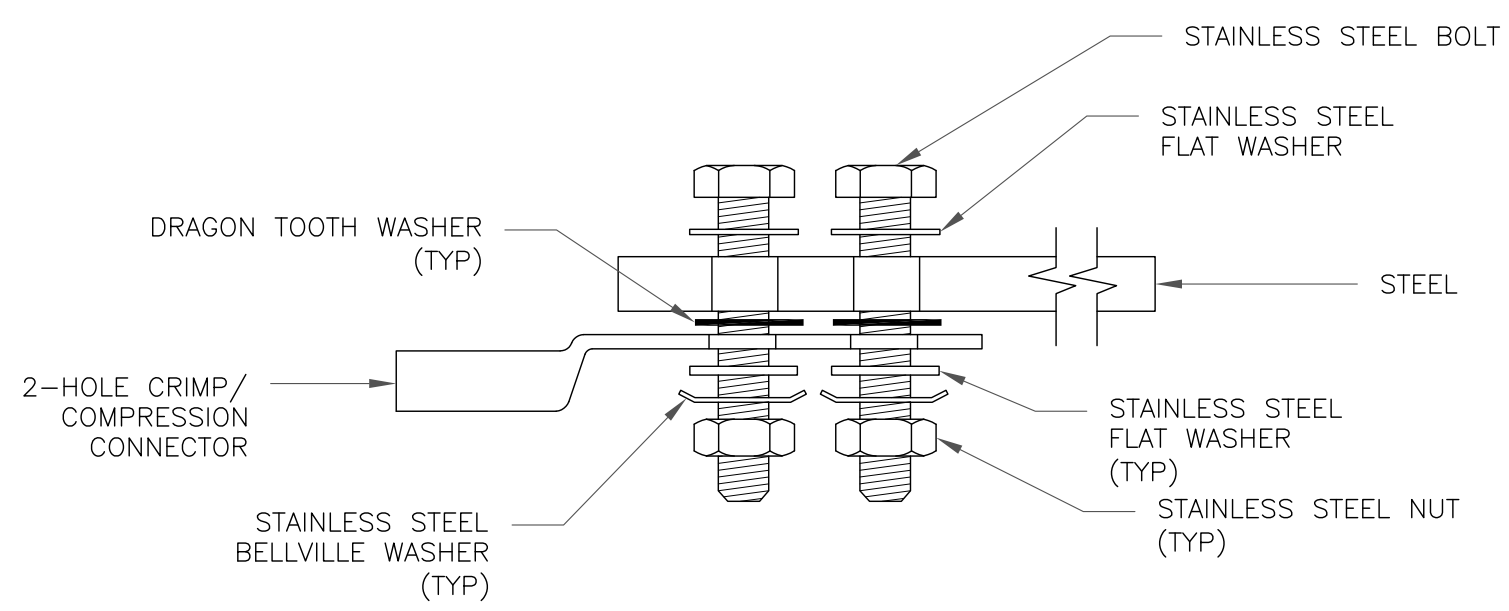
NOTE:

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.

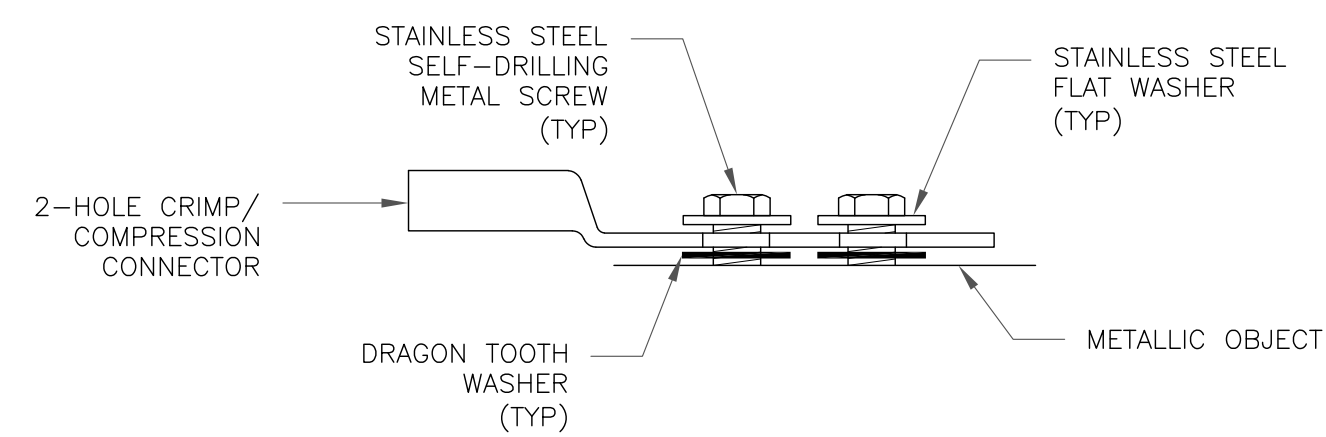
3 MECHANICAL LUG CONNECTION  
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

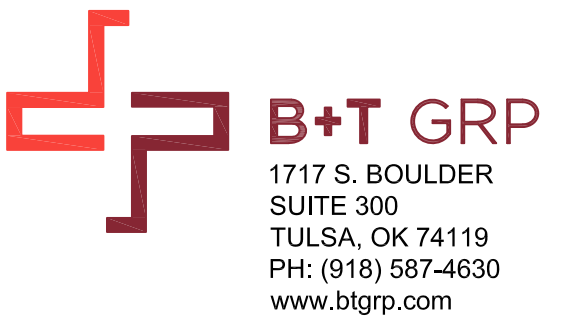


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS  
SCALE: NOT TO SCALE



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PEC.0001564  
Expires 2/10/22

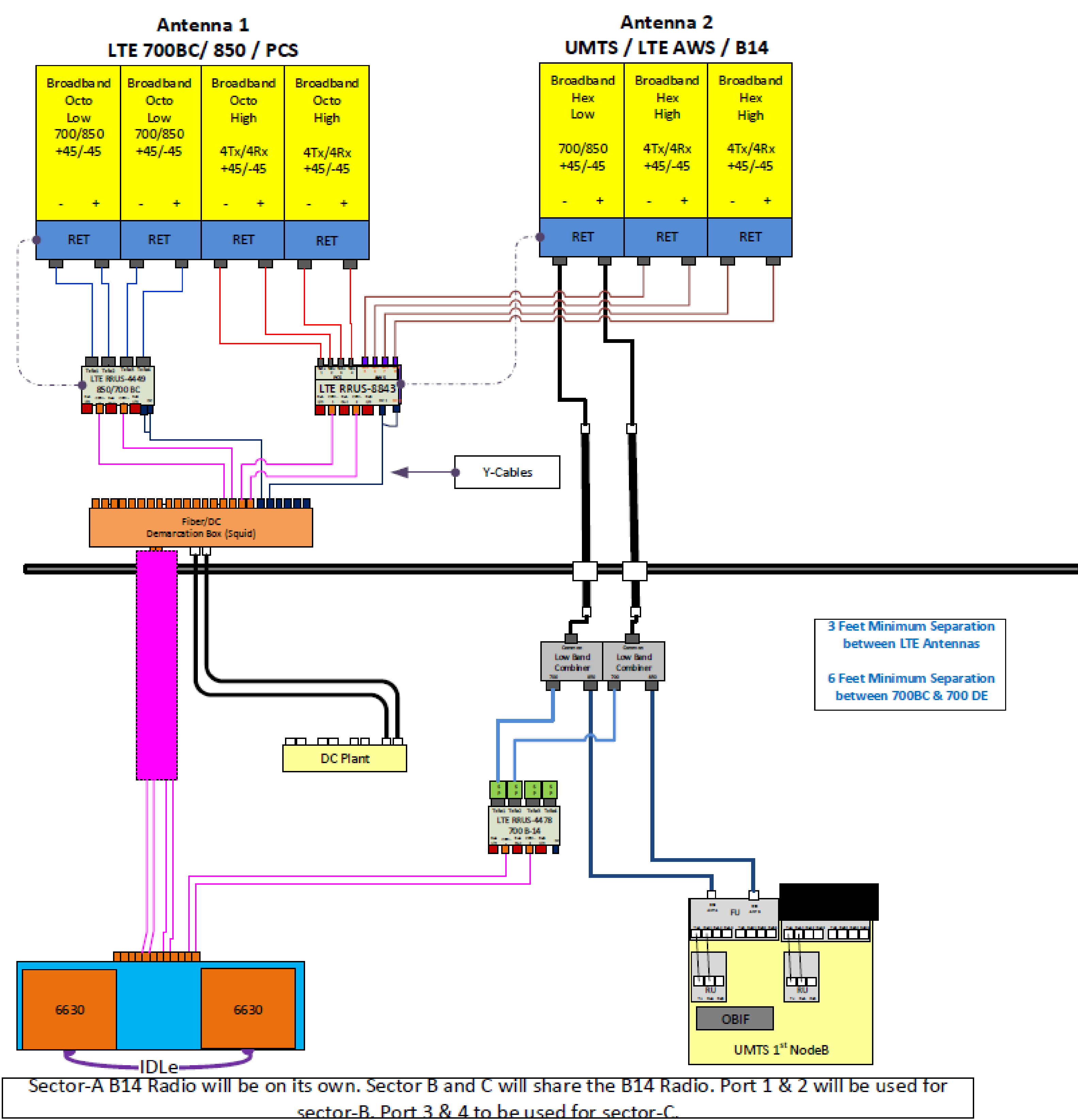
IT IS A VIOLATION OF LAW FOR ANY PERSON,  
UNLESS THEY ARE ACTING UNDER THE DIRECTION  
OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

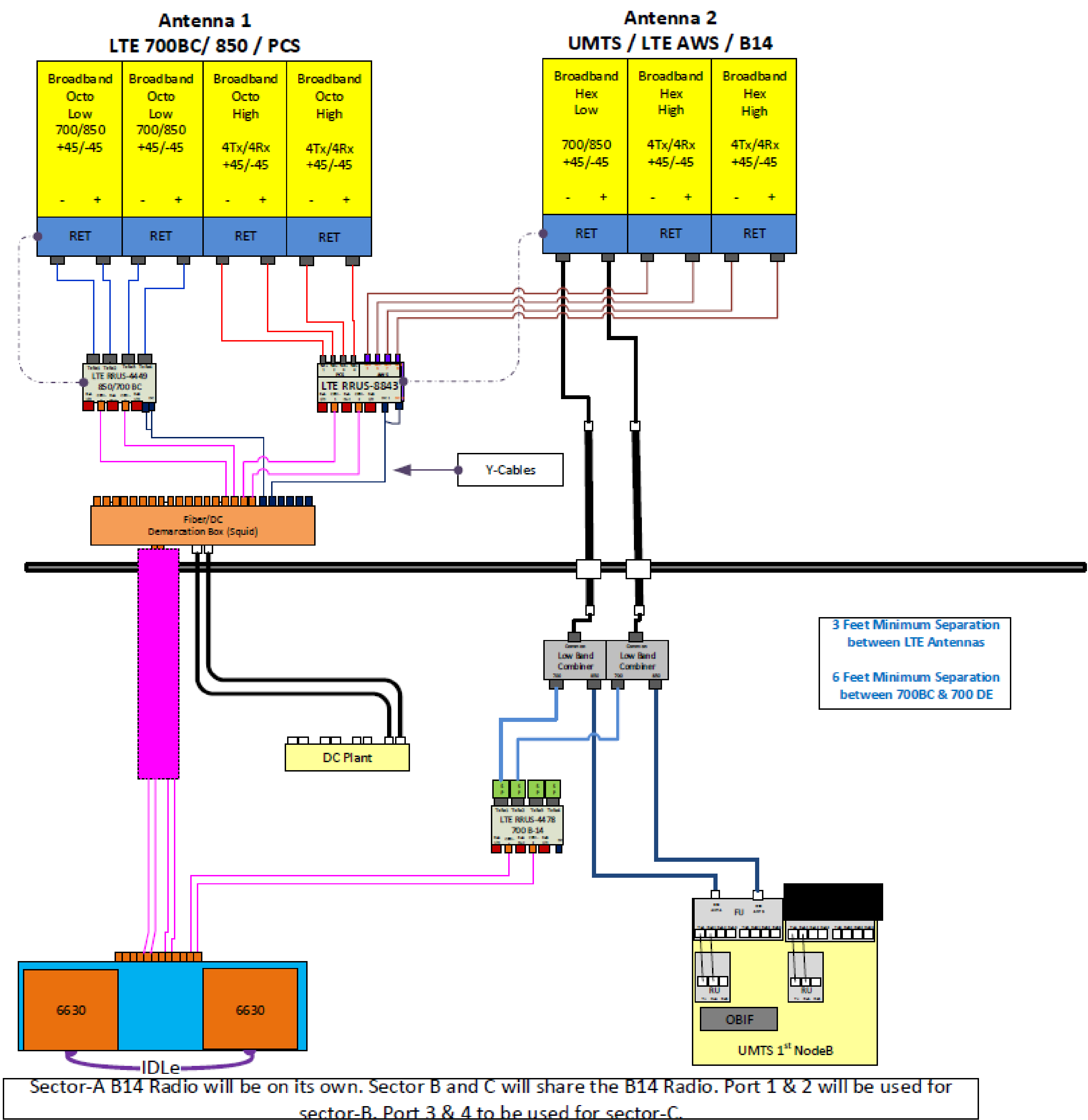
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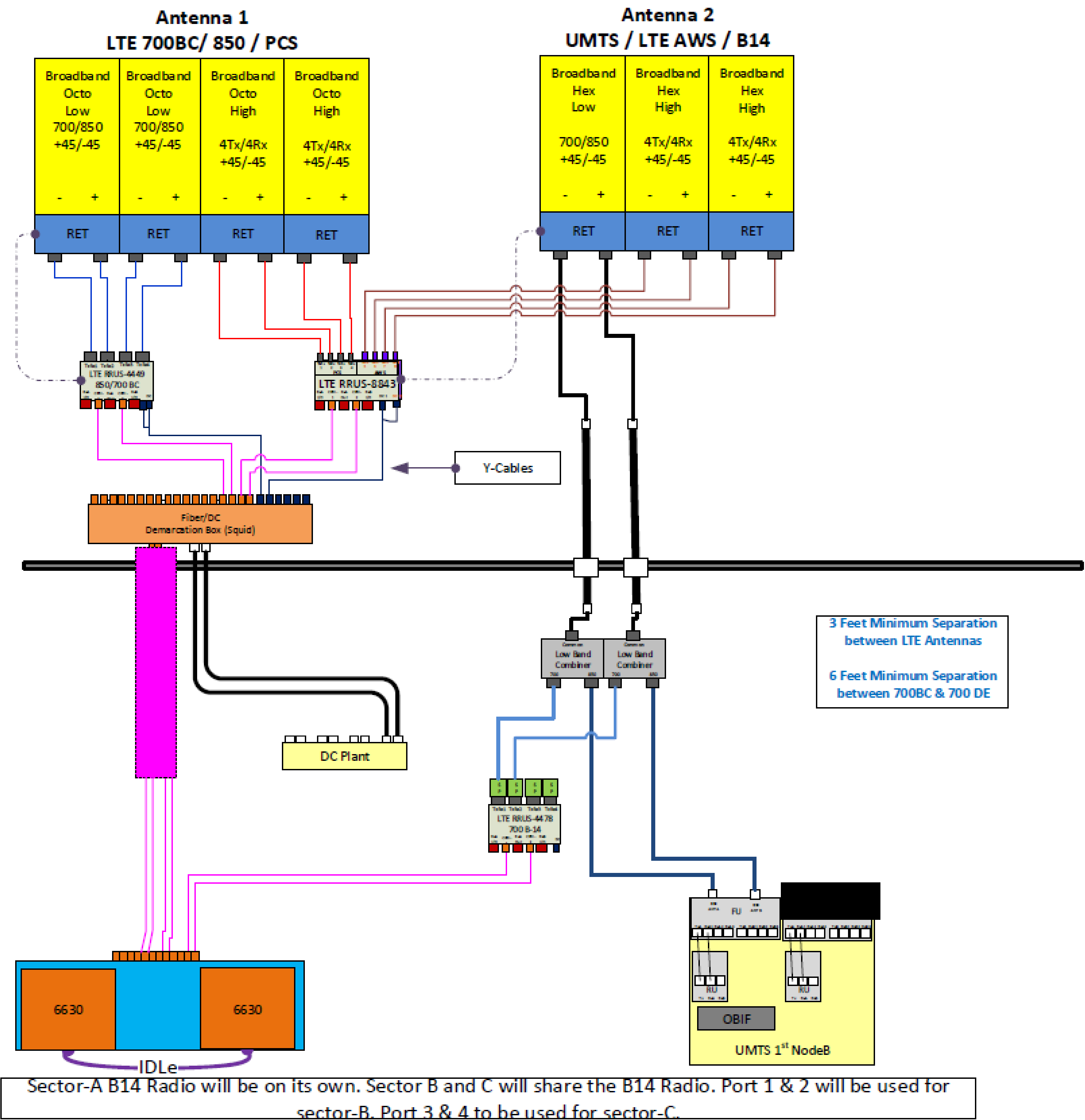
G-2

REVISION:

0







# Exhibit E

## **Abutters Notice & Proof of Service**



Crown Castle  
3 Corporate Park Drive, Suite 101  
Clifton Park, NY 12065

June 17, 2021

Name  
Address  
City, State Zip

**RE: Motion to Reopen and Modify Condition No. 2 of Docket No. 242 Decision and Order  
122 Jonathan Trumbull Highway (Route 6), Andover, CT 06232**

Dear Sir or Madam:

On behalf of AT&T, Crown Castle has submitted a Motion to Reopen and Modify Condition No. 2 of the Connecticut Siting Council Docket No. 242 Decision and Order (“D&O”) for a telecommunications facility at 122 Jonathan Trumbull Highway (Route 6) in Andover. AT&T’s Motion seeks to eliminate the D&O condition requiring antennas be attached to the tower via flush mount configuration so as to allow AT&T to utilize platform mount design systems.

This modification will promote tower sharing, support new state-of-the-art technology and equipment on the tower, allow for safe and cost-efficient maintenance of antennas and equipment, and will create minimal visual change to the area. A copy of the motion is attached for your review.

This notice is being sent to you because you are listed on the Town Assessor’s records as an owner of land that abuts the property.

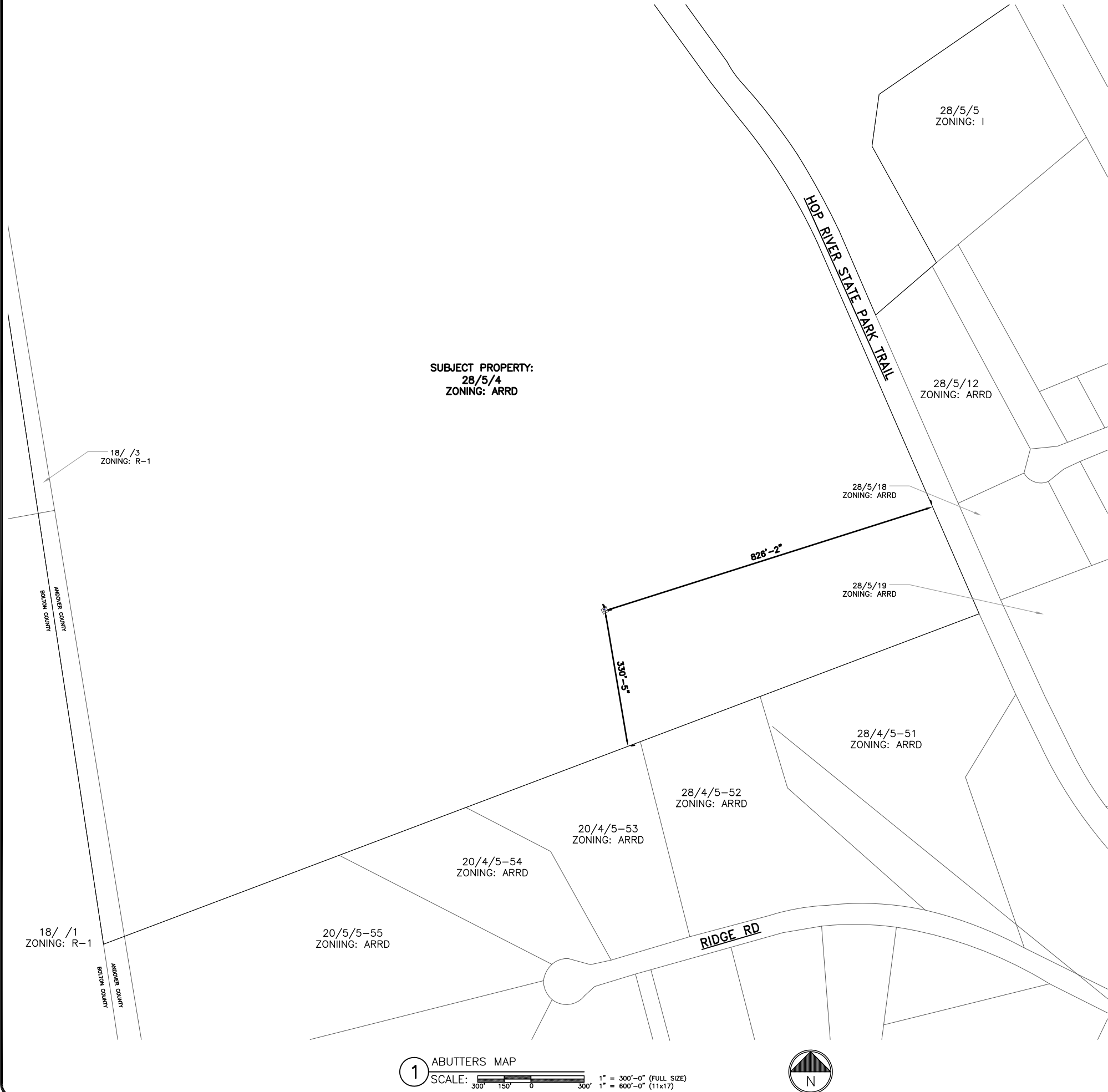
Please do not hesitate to contact me with any questions or concerns regarding this matter.

Sincerely,

Anne Marie Zsamba  
Project Manager - Site Acquisition  
Crown Castle  
Agent for Applicant  
(201) 236-9224  
AnneMarie.Zsamba@crowncastle.com



1:35726.006.01\_ABUTTERS\_EXHIBIT.dwg -- Sheet:A-1 -- User: jsikes -- May 27, 2021 -- 8:25am



**SUBJECT PROPERTY**  
MAP: 28 / BLOCK 5 / LOT 4  
122 JOHNATHAN TRUMBAL HWY  
ANDOVER, CT 06232

ASC REAL ESTATE  
PO BOX 122  
ANDOVER, CT 06232

**JOHNATHAN TRUMBULL HWY**  
MAP: 28 / BLOCK 5 / LOT 5  
132 JOHNATHAN TRUMBAL HWY  
ANDOVER, CT 06232

HILLSIDE SELF STORAGE CENTER LLC.  
PO BOX 116  
ANDOVER, CT 06232

MAP: 28 / BLOCK 5 / LOT 19  
166 JOHNATHAN TRUMBAL HWY  
ANDOVER, CT 06232

RICKERT TYLER B & JESSICA M  
166 ROUTE 6  
ANDOVER, CT 06232

**ASPINALL DR**  
MAP: 28 / BLOCK 5 / LOT 12  
43 ASPINALL DR  
ANDOVER, CT 06232

SCHERER RICHARD  
43 ASPINAL DR  
ANDOVER, CT 06232

MAP: 28 / BLOCK 5 / LOT 18  
44 ASPINALL DR  
ANDOVER, CT 06232

MARTEL SHAWN  
44 ASPINAL DR  
ANDOVER, CT 06232

**RIDGE RD**  
MAP: 28 / BLOCK 4 / LOT 5-51  
19 RIDGE RD  
ANDOVER, CT 06232

DEBARI JOHANNA  
19 RIDGE RD  
ANDOVER, CT 06232

MAP: 28 / BLOCK 4 / LOT 5-52  
25 RIDGE RD  
ANDOVER, CT 06232

HOLSCLAW DANNY P & ROBIN ANN  
25 RIDGE RD  
ANDOVER, CT 06232

MAP: 28 / BLOCK 4 / LOT 5-53  
31 RIDGE RD  
ANDOVER, CT 06232

AGUIAR JOSEPH & CORDEIRO\_AGUIAR  
ROSEMARY  
31 RIDGE RD  
ANDOVER, CT 06232

MAP: 20/ BLOCK 4 / LOT 5-54  
35 RIDGE RD  
ANDOVER, CT 06232

JOHNSON BRIAN  
35 RIDGE RD  
ANDOVER, CT 06232

MAP: 20/ BLOCK 4 / LOT 5-55  
39 RIDGE RD  
ANDOVER, CT 06232

BLAIR MARK J  
39 RIDGE RD  
ANDOVER, CT 06232

**SCHOOL RD**  
MAP: 18/ BLOCK / LOT 1  
SCHOOL RD  
ANDOVER, CT 06232

ASC INC  
PO BOX 122  
ANDOVER, CT 06232

**BRANDY ST**  
MAP: 18/ BLOCK / LOT 3  
BRANDY ST  
ANDOVER, CT 06232

ANDOVER SPORTSMAN'S CLUB  
122 ROUTE 6  
ANDOVER, CT 06232



575 MOROSGO DRIVE  
ATLANTA, GA 30324-3300



3530 TORINGDON WAY, SUITE 300  
CHARLOTTE, NC 28277



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


AT&T  
SITE NUMBER: **CTL05860**

BU #: **842856**  
**ANDOVER NORTH**

122 JOHNATHAN TRUMBULL  
ANDOVER, CT 06232

EXISTING  
149'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	5/13/21	YXI	PRELIMINARY REVIEW	JTS
0	5/27/21	JJD	CONSTRUCTION	MTJ



5/27/21

B&T ENGINEERING, INC.  
PEC.0001564  
Expires 2/10/22

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UNLESS THEY ARE ACTING UNDER THE DIRECTION  
OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

SHEET NUMBER: **A-1**

REVISION: **0**

**122 ROUTE 6****Location** 122 ROUTE 6**Mblu** 28/ 5/ 4/ /**Acct#** 530**Owner** ASC REAL ESTATE INC**Assessment** \$361,340**Appraisal** \$586,800**PID** 530**Building Count** 2**Current Value**

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$239,100	\$347,700	\$586,800
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$167,500	\$193,840	\$361,340

**Owner of Record**

**Owner** ASC REAL ESTATE INC  
**Co-Owner** ANDOVER SPORTSMANS CLUB  
**Address** P O BOX 122  
 ANDOVER, CT 06232

**Sale Price** \$0  
**Certificate**  
**Book & Page** 0020/0572  
**Sale Date**

**Ownership History**

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
ASC REAL ESTATE INC	\$0		0020/0572	

**Building Information****Building 1 : Section 1**

**Year Built:** 1970  
**Living Area:** 1,040  
**Replacement Cost:** \$154,971  
**Building Percent** 79  
**Good:**  
**Replacement Cost**  
**Less Depreciation:** \$122,400

**Building Photo**

Building Attributes	
Field	Description
STYLE	Clubs/Lodges
MODEL	Commercial

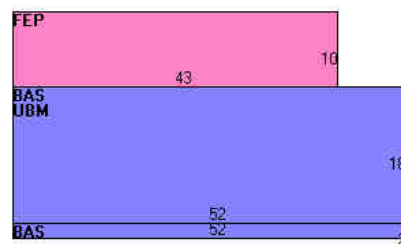


Grade	C
Stories:	1
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Vinyl/Asphalt
Interior Floor 2	
Heating Fuel	Oil
Heating Type	Hot Air-no Duc
AC Type	Central
Bldg Use	Fratnl Org
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3530
Heat/AC	NONE
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	8
% Comn Wall	0



(<http://images.vgsi.com/photos2/AndoverCTPhotos//default.jp>)

### Building Layout



(<http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches>)

Building Sub-Areas (sq ft)		Legend	
Code	Description	Gross Area	Living Area
BAS	First Floor	1,040	1,040
FEP	Porch, Enclosed, Finished	430	0
UBM	Basement, Unfinished	936	0
		2,406	1,040

### Building 2 : Section 1

**Year Built:** 1970  
**Living Area:** 896  
**Replacement Cost:** \$132,799  
**Building Percent Good:** 71  
**Replacement Cost Less Depreciation:** \$94,300

Building Attributes : Bldg 2 of 2	
Field	Description
STYLE	Clubs/Lodges
MODEL	Commercial
Grade	C
Stories:	1
Occupancy	

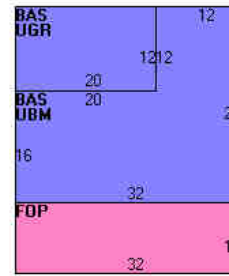
### Building Photo



(<http://images.vgsi.com/photos2/AndoverCTPhotos//default.jp>)

Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	Fratnl Org
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	
Heat/AC	NONE
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	8
% Comn Wall	

### Building Layout



(<http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/53>)

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	896	896
FOP	Porch, Open, Finished	320	0
UBM	Basement, Unfinished	656	0
UGR	Garage, Unfinished	240	0
		2,112	896

### Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

### Land

#### Land Use

**Use Code** 3530  
**Description** Fratnl Org  
**Zone** R-40  
**Neighborhood** C1  
**Alt Land Appr Category** No

#### Land Line Valuation

**Size (Acres)** 67.13  
**Frontage** 0  
**Depth** 0  
**Assessed Value** \$193,840  
**Appraised Value** \$347,700

### Outbuildings

Outbuildings							<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #	
FN3	Fence-6' Chain			290 L.F.	\$2,000	1	

SHD5	Shed			384 S.F.	\$6,500	2
LT4	Lights (4)			2 UNITS	\$1,300	2
SHD5	Shed			91 S.F.	\$1,300	1
LT1	Lights (1)			10 UNITS	\$2,000	2
PAV1	Paving-Asphalt			1344 S.F.	\$600	1
SHD1	Shed Frame			180 S.F.	\$1,100	1
SHD1	Shed Frame			180 S.F.	\$1,100	2
PAT1	Patio Av			360 S.F.	\$500	2
SHD1	Shed Frame			180 S.F.	\$1,100	1
SHD1	Shed Frame			144 S.F.	\$900	1
PAV1	Paving-Asphalt			840 S.F.	\$400	1
SHD1	Shed Frame			120 S.F.	\$700	1
SHD1	Shed Frame			240 S.F.	\$2,900	1

### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$107,800	\$334,000	\$441,800
2011	\$222,400	\$334,000	\$556,400
2010	\$124,700	\$239,200	\$363,900

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$138,200	\$171,050	\$309,250
2011	\$155,700	\$171,050	\$326,750
2010	\$87,300	\$102,280	\$189,580

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ORIGIN ID: SCH4 (201) 236-9224

ANNE MARIE ZSAMBRA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

TO HILLSIDE SELF STORAGE CENTER LLC

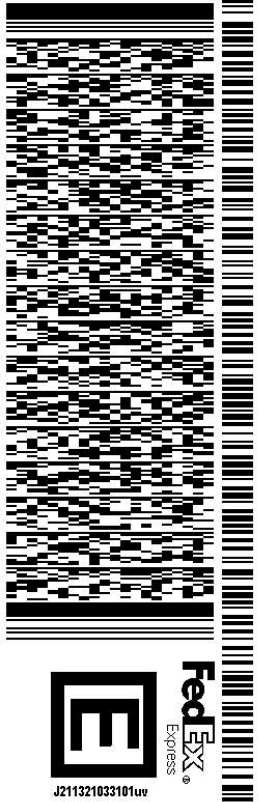
132 JONATHAN TRUMBULL HWY (RT 6)

ANDOVER CT 06232

(860) 742-1644

REF: 1734.7690

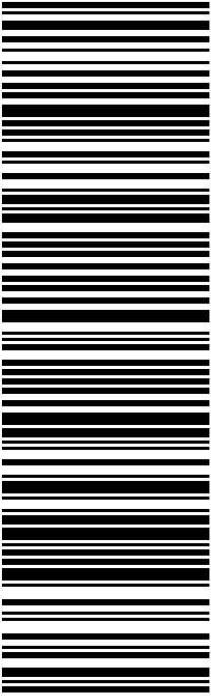
INV/ PO: DEPT:



56DJ3/B387/FE4A

TRK# 7738 9860 8974  
0201  
FRI - 04 JUN 4:30P  
STANDARD OVERNIGHT

EB SKKA  
06232  
CT-US BDL



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on [fedex.com](http://fedex.com). FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

132 ROUTE 6

Location	132 ROUTE 6	Mblu	28/ 5/ 5/ /
Acct#	531	Owner	HILLSIDE SELF STORAGE CENTER LLC
Assessment	\$653,200	Appraisal	\$933,000
PID	531	Building Count	6

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$765,900	\$167,100	\$933,000
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$536,200	\$117,000	\$653,200

Owner of Record

Owner	HILLSIDE SELF STORAGE CENTER LLC	Sale Price	\$240,000
Co-Owner		Certificate	
Address	PO BOX 116 ANDOVER, CT 06232	Book & Page	0066/0751
		Sale Date	01/10/1997
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
HILLSIDE SELF STORAGE CENTER LLC	\$240,000		0066/0751	00	01/10/1997
CAMPBELL GERALD & LABROKE DAVID	\$0		0000/0778		

Building Information

Building 1 : Section 1

Year Built:	1988
Living Area:	6,300
Replacement Cost:	\$245,763
Building Percent Good:	72

Replacement Cost  
Less Depreciation: \$176,900

Building Attributes	
Field	Description
STYLE	Self Storage
MODEL	Industrial
Grade	C
Stories:	1
Occupancy	1
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	Comm Whse
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	NONE
Ceiling/Wall	NONE
Rooms/Prtns	AVERAGE
Wall Height	9
% Comn Wall	0

Building 2 : Section 1

Year Built: 1988  
Living Area: 6,300  
Replacement Cost: \$245,763  
Building Percent Good: 72  
Replacement Cost  
Less Depreciation: \$176,900

Building Attributes : Bldg 2 of 6	
Field	Description
STYLE	Self Storage

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\26\74.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531\_531.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	6,300	6,300
		6,300	6,300

MODEL	Industrial
Grade	C
Stories:	1
Occupancy	1
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	Comm Whse
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	NONE
Ceiling/Wall	NONE
Rooms/Prtns	AVERAGE
Wall Height	9
% Comn Wall	0

### Building Photo



(<http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\26\75.jpg>)

### Building Layout



([http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531\\_1613.jp](http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531_1613.jp))

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	6,300	6,300
		6,300	6,300

### Building 3 : Section 1

Year Built:	2000
Living Area:	5,250
Replacement Cost:	\$179,340
Building Percent Good:	82
Replacement Cost	
Less Depreciation:	\$147,100

Building Attributes : Bldg 3 of 6	
Field	Description
STYLE	Self Storage
MODEL	Industrial
Grade	C
Stories:	1

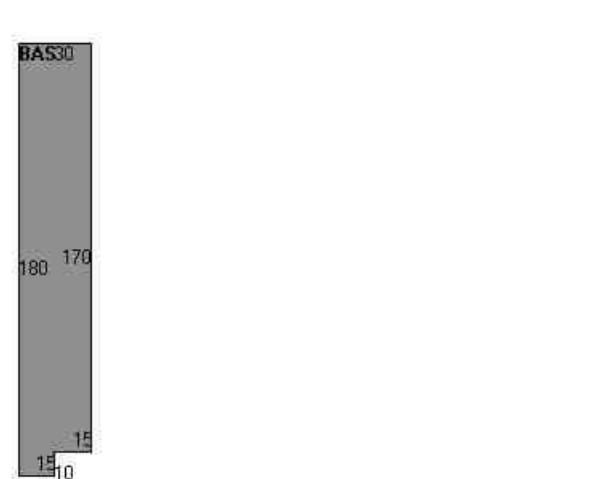
Occupancy	1
Exterior Wall 1	Minimum
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	Comm Whse
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	NONE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	9
% Comn Wall	0

### Building Photo



(<http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\26\76.jpg>)

### Building Layout



([http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531\\_1614.jp](http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531_1614.jp))

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	5,250	5,250
		5,250	5,250

### Building 4 : Section 1

<b>Year Built:</b>	2000
<b>Living Area:</b>	3,750
<b>Replacement Cost:</b>	\$138,788
<b>Building Percent Good:</b>	82
<b>Replacement Cost</b>	
<b>Less Depreciation:</b>	\$113,800

Building Attributes : Bldg 4 of 6	
Field	Description
STYLE	Self Storage
MODEL	Industrial
Grade	C
Stories:	1



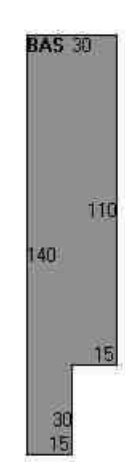
Occupancy	1
Exterior Wall 1	Minimum
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	Comm Whse
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	NONE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	9
% Comn Wall	0

### Building Photo



(<http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\26\77.jpg>)

### Building Layout



([http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531\\_1615.jp](http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531_1615.jp))

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	3,750	3,750
		3,750	3,750

### Building 5 : Section 1

<b>Year Built:</b>	2003
<b>Living Area:</b>	1,000
<b>Replacement Cost:</b>	\$42,650
<b>Building Percent Good:</b>	84
<b>Replacement Cost</b>	
<b>Less Depreciation:</b>	\$35,800

Building Attributes : Bldg 5 of 6	
Field	Description
STYLE	Self Storage
MODEL	Industrial
Grade	C
Stories:	1

Occupancy	1
Exterior Wall 1	Minimum
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	Comm Whse
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	NONE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	9
% Comn Wall	

### Building Photo



(<http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\26\78.jpg>)

### Building Layout



([http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531\\_1661.jp](http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531_1661.jp))

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	1,000	1,000
		1,000	1,000

### Building 6 : Section 1

**Year Built:** 2003  
**Living Area:** 1,000  
**Replacement Cost:** \$42,650  
**Building Percent Good:** 84  
**Replacement Cost Less Depreciation:** \$35,800

Building Attributes : Bldg 6 of 6	
Field	Description
STYLE	Self Storage
MODEL	Industrial
Grade	C
Stories:	1

Occupancy	
Exterior Wall 1	Minimum
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	Comm Whse
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	NONE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	9
% Comn Wall	

Building Photo



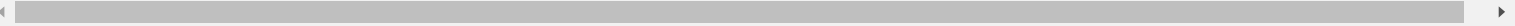
(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\26\79.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/531\_1699.jp

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	1,000	1,000
		1,000	1,000



Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

Land

Land Use

Use Code	3160
Description	Comm Whse
Zone	I

Land Line Valuation

Size (Acres)	3.9
Frontage	0
Depth	0

Neighborhood C3  
Alt Land Appr No  
Category

Assessed Value \$117,000  
Appraised Value \$167,100

Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV1	Paving-Asphalt			16000 S.F.	\$7,200	1
FN3	Fence-6' Chain			20000 L.F.	\$72,000	1
LT1	Lights (1)			2 UNITS	\$400	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$657,100	\$167,700	\$824,800
2011	\$757,100	\$168,100	\$925,200
2010	\$804,700	\$185,400	\$990,100

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$460,000	\$117,400	\$577,400
2011	\$530,100	\$117,700	\$647,800
2010	\$563,200	\$129,800	\$693,000

ORIGIN ID: SCH4 (201) 236-9224  
ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

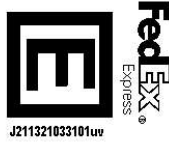
TO TYLER & JESSICA RICKERT

166 ROUTE 6

ANDOVER CT 06232

(201) 236-9224 REF: 1734.7690  
INV/ PO: DEPT:

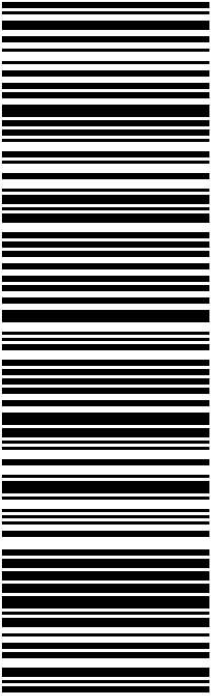
56DJ3/B387/FE4A



J211321033101uv

TRK# 7738 9863 5360 FRI - 04 JUN 4:30P  
0201 STANDARD OVERNIGHT

EB SKKA 06232  
CT-US BDL



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166 ROUTE 6

Location	166 ROUTE 6	Mblu	28/ 5/ 19/ /
Acct#	545	Owner	RICKERT TYLER B & JESSICA M
Assessment	\$197,500	Appraisal	\$282,100
PID	545	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$228,600	\$53,500	\$282,100
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$160,100	\$37,400	\$197,500

Owner of Record

Owner	RICKERT TYLER B & JESSICA M	Sale Price	\$290,000
Co-Owner		Certificate	
Address	166 ROUTE 6	Book & Page	130/ 921
	ANDOVER, CT 06232	Sale Date	12/19/2017
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
RICKERT TYLER B & JESSICA M	\$290,000	1	130/ 921	00	12/19/2017
GIGGIE BARBARA C	\$0		124/ 721	10	12/05/2014
GIGGIE RONALD C & BARBARA C	\$59,000		0044/0950	00	04/15/1987

Building Information

Building 1 : Section 1

Year Built:	1988
Living Area:	2,218
Replacement Cost:	\$247,438

Building Percent Good: 83  
Replacement Cost  
Less Depreciation: \$205,400

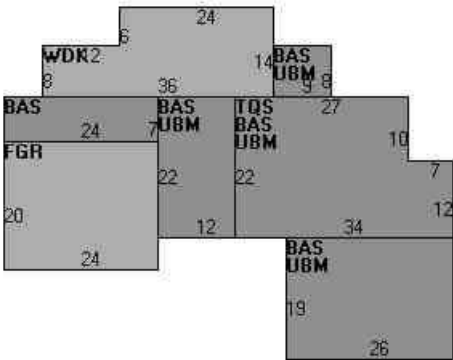
Building Attributes	
Field	Description
Style	Modern/Contemp
Model	Residential
Grade:	C+
Stories:	1 3/4 Stories
Occupancy	1
Exterior Wall 1	Cedar or Redwd
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	2
Total Half Baths:	1
Total Xtra Fixtrs:	1
Total Rooms:	7 Rooms
Bath Style:	Average
Kitchen Style:	Average

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\27\80.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/545\_545.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	1,676	1,676
TQS	Three Quarter Story	678	542
FGR	Garage	480	0
UBM	Basement, Unfinished	1,508	0
WDK	Deck, Wood	432	0
		4,774	2,218

Extra Features

Extra Features					Legend
Code	Description	Size	Value	Bldg #	
FPL1	Fireplace 1St	1 UNITS	\$1,700	1	

Land

Land Use

Use Code	1010
Description	Single Fam MDL-01
Zone	R-40
Neighborhood	7
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	6.15
Frontage	0
Depth	0
Assessed Value	\$37,400
Appraised Value	\$53,500

Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SPL2	Pool-Vinyl/Plastic			512 S.F.	\$5,800	1
BRN4	Barn 1St Lft/Bsm			576 S.F.	\$10,800	1
SHD1	Shed Frame			64 S.F.	\$600	1
FGR1	Garage Av			240 S.F.	\$4,300	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$230,400	\$66,900	\$297,300
2011	\$230,400	\$66,900	\$297,300
2010	\$250,100	\$75,300	\$325,400

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$161,300	\$46,900	\$208,200
2011	\$161,300	\$46,900	\$208,200
2010	\$175,100	\$52,700	\$227,800



ORIGIN ID: SCH4 (201) 236-9224  
ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

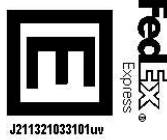
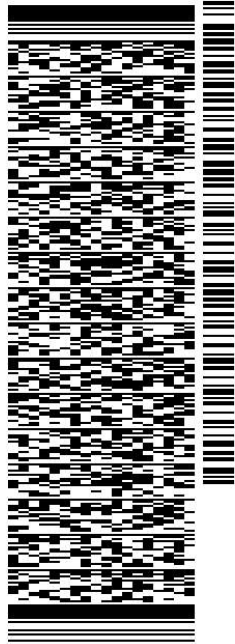
TO **RICHARD SCHERER**

SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340  
BILL SENDER

**43 ASPINALL DRIVE**

**ANDOVER CT 06232**

(201) 236-9224 REF: 1734.7690  
INV/ DEPT:  
PO:

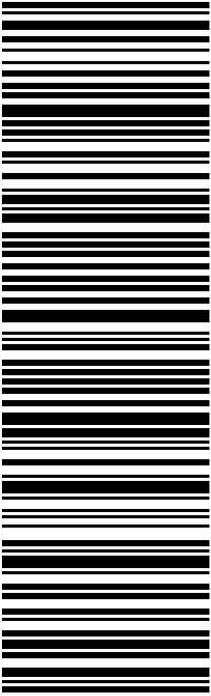


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56DJ3/B387/FE4A

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**EB SKKA** 06232  
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43 ASPINALL DR

Location	43 ASPINALL DR	Mblu	28/ 5/ 12/ /
Acct#	538	Owner	SCHERER RICHARD
Assessment	\$115,200	Appraisal	\$164,700
PID	538	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$97,700	\$67,000	\$164,700
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$68,300	\$46,900	\$115,200

Owner of Record

Owner	SCHERER RICHARD	Sale Price	\$172,000
Co-Owner		Certificate	
Address	43 ASPINALL DR	Book & Page	128/ 757
	ANDOVER, CT 06232	Sale Date	10/27/2016
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
SCHERER RICHARD	\$172,000		128/ 757	00	10/27/2016
KRATOCHVIL PATRICIA	\$179,900		104/1013	00	06/18/2007
STANCLIFFE SCOTT B & CAROLYN A	\$128,000		81/ 755		05/20/2002
MILLS FRANCES M	\$0		0041/0747		08/28/1985

Building Information

Building 1 : Section 1

Year Built:	1945
Living Area:	1,008
Replacement Cost:	\$127,525

Building Percent Good: 70  
Replacement Cost  
Less Depreciation: \$89,300

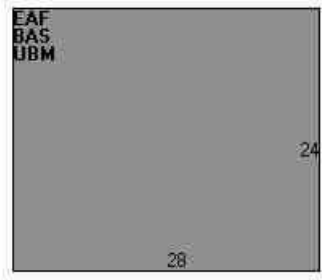
Building Attributes	
Field	Description
Style	Cape Cod
Model	Residential
Grade:	C
Stories:	1.5
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	Plastered
Interior Flr 1	Carpet
Interior Flr 2	Hardwood
Heat Fuel	Oil
Heat Type:	Forced Air-Duc
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Average
Kitchen Style:	Average

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\21\11.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/538\_538.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	672	672
EAF	Attic, Expansion, Finished	672	336
UBM	Basement, Unfinished	672	0
		2,016	1,008

Extra Features

Extra Features					Legend
Code	Description	Size	Value	Bldg #	
FPL1	Fireplace 1St	1 UNITS	\$1,400	1	

Land

Land Use

Use Code 1010

Land Line Valuation

Size (Acres) 1.64

<b>Description</b>	Single Fam MDL-01	<b>Frontage</b>	0
<b>Zone</b>	R-40	<b>Depth</b>	0
<b>Neighborhood</b>	12	<b>Assessed Value</b>	\$46,900
<b>Alt Land Appr Category</b>	No	<b>Appraised Value</b>	\$67,000

Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed Frame			80 S.F.	\$300	1
SHD3	Shed Metal			64 S.F.	\$200	1
SHD1	Shed Frame			64 S.F.	\$200	1
FGR1	Garage Av			240 S.F.	\$4,300	1
SPL4	Pool Abv Gr Rnd			27 DIAMETER	\$2,000	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$97,500	\$67,200	\$164,700
2011	\$97,500	\$67,200	\$164,700
2010	\$108,100	\$74,600	\$182,700

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$68,200	\$47,000	\$115,200
2011	\$68,200	\$47,000	\$115,200
2010	\$75,700	\$52,200	\$127,900

ORIGIN ID: SCH4 (201) 236-9224  
ANNE MARIE ZSAMBRA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

TO **SHAWN MARTEL**

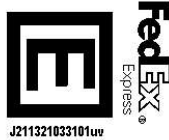
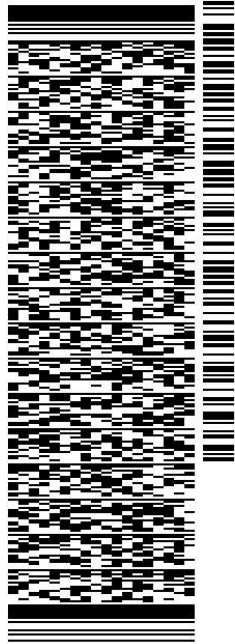
SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

**44 ASPINAL DRIVE**

**ANDOVER CT 06232**

(201) 236-9224 REF: 1734.7690  
INV/ PO: DEPT:

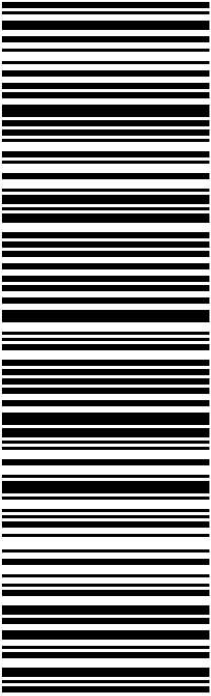


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56DJ3/B387/FE4A

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44 ASPINALL DR

Location

44 ASPINALL DR

Mblu

28/ 5/ 18/ /

Acct#

544

Owner

MARTEL SHAWN

Assessment

\$127,400

Appraisal

\$181,900

PID

544

Building Count

1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$115,400	\$66,500	\$181,900

Assessment			
Valuation Year	Improvements	Land	Total
2016	\$80,800	\$46,600	\$127,400

Owner of Record

Owner

MARTEL SHAWN

Sale Price

\$155,900

Co-Owner

Certificate

Address

44 ASPINALL DR  
ANDOVER , CT 06232

Book & Page

127/ 5

Sale Date

12/28/2015

Instrument

25

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
MARTEL SHAWN	\$155,900		127/ 5	25	12/28/2015
KILDUFF JAMES E EXECUTOR	\$0		126/ 798	10	10/28/2015
KILDUFF JAMES H	\$0		0019/0346		04/14/1964

Building Information

Building 1 : Section 1

Year Built:

1945

Living Area:

1,231

Replacement Cost:

\$162,295

Building Percent Good:

70

Replacement Cost  
Less Depreciation: \$113,600

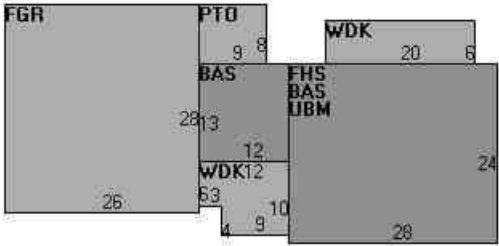
Building Attributes	
Field	Description
Style	Cape Cod
Model	Residential
Grade:	C
Stories:	1 1/2 Stories
Occupancy	1
Exterior Wall 1	Aluminum Sidng
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Forced Air-Duc
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	2
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	5 Rooms
Bath Style:	Average
Kitchen Style:	Average

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\21\12.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/544\_544.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	828	828
FHS	Half Story, Finished	672	403
FGR	Garage	728	0
PTO	Patio	72	0
UBM	Basement, Unfinished	672	0
WDK	Deck, Wood	228	0
		3,200	1,231

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
FPL2	Fireplc 1.5 St Chmny	1 UNITS	\$1,800	1

Land

Land Use		Land Line Valuation	
Use Code	1010	Size (Acres)	1.25
Description	Single Fam MDL-01	Frontage	0
Zone	R-40	Depth	0
Neighborhood	12	Assessed Value	\$46,600
Alt Land Appr Category	No	Appraised Value	\$66,500

#### Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

#### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$106,900	\$66,500	\$173,400
2011	\$106,900	\$66,500	\$173,400
2010	\$124,100	\$73,900	\$198,000

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$74,800	\$46,600	\$121,400
2011	\$74,800	\$46,600	\$121,400
2010	\$86,900	\$51,700	\$138,600



ORIGIN ID: SCH4 (201) 236-9224  
ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

TO **JOHANNA DEBARI**

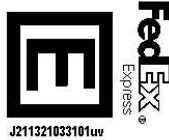
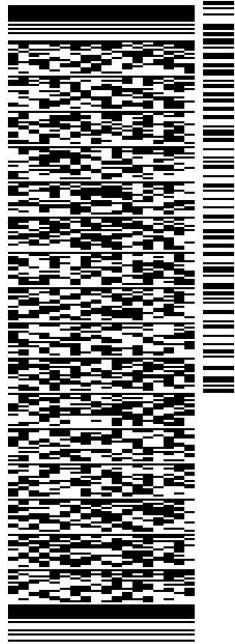
SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

**19 RIDGE ROAD**

**ANDOVER CT 06232**

(201) 236-9224 REF: 1734.7690  
INV/ PO: DEPT:

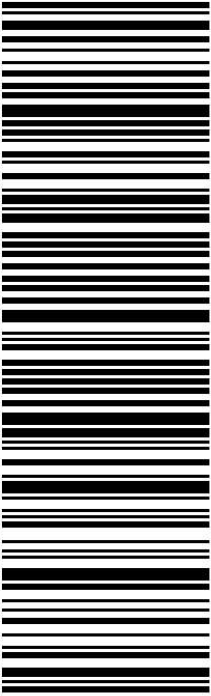


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56DJ3/B387/FE4A

TRK# 7738 9870 9311 FRI - 04 JUN 4:30P  
0201 STANDARD OVERNIGHT

**EB SKKA** 06232  
CT-US BDL



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19 RIDGE RD

Location	19 RIDGE RD	Mblu	28/ 4/ 5-51/ /
Acct#	523	Owner	DEBARI JOHANNA
Assessment	\$163,600	Appraisal	\$233,700
PID	523	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$157,000	\$76,700	\$233,700
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$109,900	\$53,700	\$163,600

Owner of Record

Owner	DEBARI JOHANNA	Sale Price	\$263,000
Co-Owner	WHITE JOHN S	Certificate	
Address	19 RIDGE RD	Book & Page	134/ 208
	ANDOVER, CT 06232	Sale Date	08/05/2019
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
DEBARI JOHANNA	\$263,000		134/ 208	00	08/05/2019
FORAN DELIA E & DANIEL J	\$245,000		126/ 263	00	08/13/2015
ARMSTRONG WILLIAM E & JACQUELINE T	\$156,900		0065/0937	00	08/16/1996
UNITED LAND GROUP	\$0		0048/0569		09/29/1988

Building Information

Building 1 : Section 1

Year Built:	1996
Living Area:	1,728
Replacement Cost:	\$181,920

Building Percent Good: 85  
Replacement Cost  
Less Depreciation: \$154,600

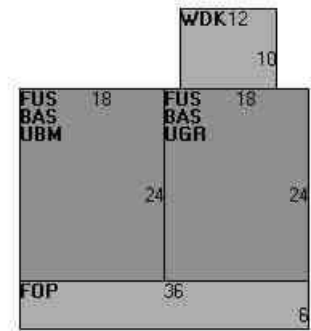
Building Attributes	
Field	Description
Style	Colonial
Model	Residential
Grade:	C+
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	2
Total Half Baths:	1
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Average
Kitchen Style:	Average

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\27\60.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/523\_523.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	864	864
FUS	Upper Story, Finished	864	864
FOP	Porch, Open, Finished	216	0
UBM	Basement, Unfinished	432	0
UGR	Garage, Unfinished	432	0
WDK	Deck, Wood	120	0
		2,928	1,728

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
FPL3	Fireplc 2 St Chmny	1 UNITS	\$2,400	1

Land

Land Use		Land Line Valuation	
Use Code	1010	Size (Acres)	6.2
Description	Single Fam MDL-01	Frontage	0
Zone	R-40	Depth	0
Neighborhood	13	Assessed Value	\$53,700
Alt Land Appr Category	No	Appraised Value	\$76,700

#### Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

#### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$177,400	\$78,200	\$255,600
2011	\$177,400	\$78,200	\$255,600
2010	\$192,200	\$88,000	\$280,200

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$124,200	\$54,700	\$178,900
2011	\$124,200	\$54,700	\$178,900
2010	\$134,600	\$61,600	\$196,200

ORIGIN ID: SCH4 (201) 236-9224  
ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

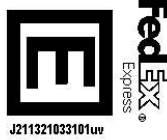
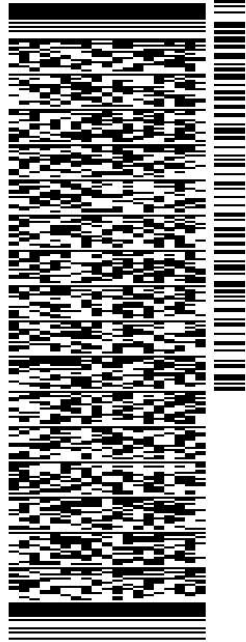
TO **DANNY & ROBIN ANN HOLTSCLOW**

**25 RIDGE ROAD**

**ANDOVER CT 06232**

(201) 236-9224 REF: 1734.7690  
INV/ PO: DEPT:

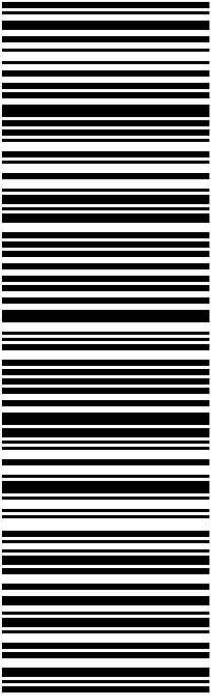
56DJ3/B387/FE4A



J211321033101uv

TRK# 7738 9873 4518 FRI - 04 JUN 4:30P  
0201 STANDARD OVERNIGHT

**EB SKKA** 06232  
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25 RIDGE RD

Location	25 RIDGE RD	Mblu	28/ 4/ 5-52/ /
Acct#	524	Owner	HOLTSCLAW DANNY P & ROBIN ANN
Assessment	\$164,300	Appraisal	\$234,800
PID	524	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$160,600	\$74,200	\$234,800
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$112,400	\$51,900	\$164,300

Owner of Record

Owner	HOLTSCLAW DANNY P & ROBIN ANN	Sale Price	\$164,000
Co-Owner		Certificate	
Address	25 RIDGE RD	Book & Page	0067/0594
	ANDOVER, CT 06232	Sale Date	06/04/1997
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
HOLTSCLAW DANNY P & ROBIN ANN	\$164,000		0067/0594	00	06/04/1997
B NICOLO CARPENTRY INC	\$45,000		0065/0873	00	08/07/1996
UNITED LAND GROUP	\$0		0048/0569		09/29/1988

Building Information

Building 1 : Section 1

Year Built:	1997
Living Area:	1,631
Replacement Cost:	\$183,029

Building Percent Good: 85  
Replacement Cost  
Less Depreciation: \$155,600

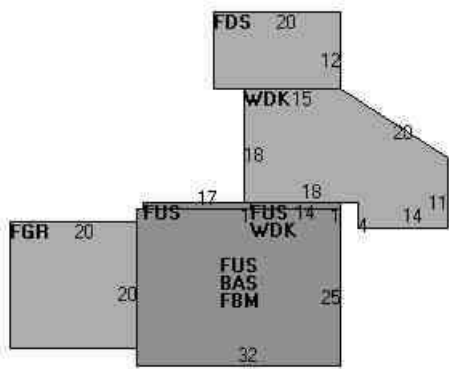
Building Attributes	
Field	Description
Style	Colonial
Model	Residential
Grade:	C+
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	Hardwood
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Average
Kitchen Style:	Modern

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\27\59.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/524\_524.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
FUS	Upper Story, Finished	831	831
BAS	First Floor	800	800
FBM	Basement, Finished	800	0
FDS	Porch, screen, finished, detached	240	0
FGR	Garage	400	0
WDK	Deck, Wood	552	0
		3,623	1,631

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
FPL3	Fireplc 2 St Chmny	1 UNITS	\$2,400	1

Land

Land Use		Land Line Valuation	
Use Code	1010	Size (Acres)	4.41
Description	Single Fam MDL-01	Frontage	0
Zone	R-40	Depth	0
Neighborhood	13	Assessed Value	\$51,900
Alt Land Appr Category	No	Appraised Value	\$74,200

### Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed Frame			160 S.F.	\$1,700	1
WDK	Wood Deck			100 S.F.	\$900	1

### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$183,100	\$75,200	\$258,300
2011	\$183,100	\$75,200	\$258,300
2010	\$198,000	\$84,200	\$282,200

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$128,200	\$52,600	\$180,800
2011	\$128,200	\$52,600	\$180,800
2010	\$138,700	\$58,900	\$197,600



ORIGIN ID: SCH4 (201) 236-9224

ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

TO **JOSEPH & ROSEMARY AGUIAR**

**31 RIDGE ROAD**

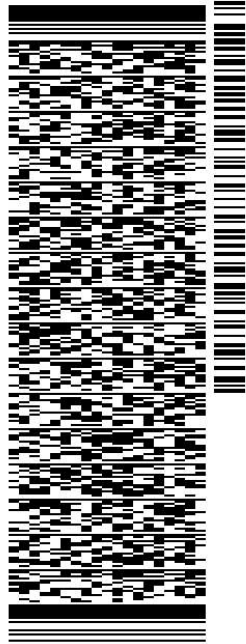
**ANDOVER CT 06232**

(201) 236-9224

REF: 1734.7690

INV/ PO: DEPT:

56DJ3/B387/FE4A

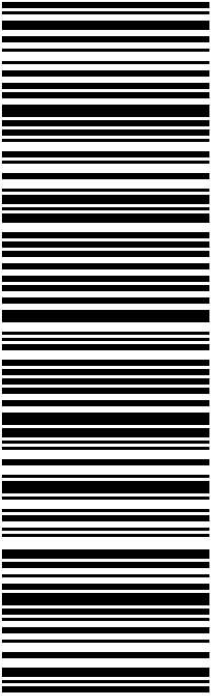


J211321033101uv

TRK# 0201 **7738 9876 2790**

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**STANDARD OVERNIGHT**

**EB SKKA**  
**06232**  
CT-US **BDL**



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31 RIDGE RD

Location	31 RIDGE RD	Mblu	20/ 4/ 5-53/ /
Acct#	129	Owner	AGUIAR JOSEPH & CORDEIRO-AGUIAR ROSEMARY
Assessment	\$167,200	Appraisal	\$238,900
PID	129	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$167,000	\$71,900	\$238,900
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$116,900	\$50,300	\$167,200

Owner of Record

Owner	AGUIAR JOSEPH & CORDEIRO-AGUIAR ROSEMARY	Sale Price	\$178,900
Co-Owner		Certificate	
Address	31 RIDGE RD	Book & Page	0071/1031
	ANDOVER, CT 06232	Sale Date	01/25/1999
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
AGUIAR JOSEPH & CORDEIRO-AGUIAR ROSEMARY	\$178,900		0071/1031	00	01/25/1999
UNITED LAND GROUP	\$0		0048/0569		09/29/1988

Building Information

Building 1 : Section 1

Year Built:	1998
Living Area:	1,568
Replacement Cost:	\$189,726
Building Percent Good:	86

Replacement Cost  
Less Depreciation: \$163,200

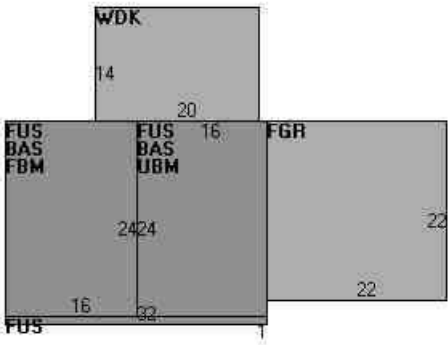
Building Attributes	
Field	Description
Style	Colonial
Model	Residential
Grade:	C+
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	Central
Total Bedrooms:	3 Bedrooms
Total Bthrms:	3
Total Half Baths:	1
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Average
Kitchen Style:	Average

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\27\62.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/129\_129.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
FUS	Upper Story, Finished	800	800
BAS	First Floor	768	768
FBM	Basement, Finished	384	0
FGR	Garage	484	0
UBM	Basement, Unfinished	384	0
WDK	Deck, Wood	280	0
		3,100	1,568

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
FPL1	Fireplace 1St	1 UNITS	\$1,700	1

Land

Land Use		Land Line Valuation	
Use Code	1010	Size (Acres)	2.76
Description	Single Fam MDL-01	Frontage	0
Zone	R-40	Depth	0
Neighborhood	13	Assessed Value	\$50,300
Alt Land Appr Category	No	Appraised Value	\$71,900

### Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed Frame			192 S.F.	\$2,100	1

### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$172,400	\$72,400	\$244,800
2011	\$172,400	\$72,400	\$244,800
2010	\$188,600	\$80,800	\$269,400

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$120,700	\$50,700	\$171,400
2011	\$120,700	\$50,700	\$171,400
2010	\$132,000	\$56,500	\$188,500

ORIGIN ID: SCH4 (201) 236-9224  
ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

TO **BRIAN JOHNSON**

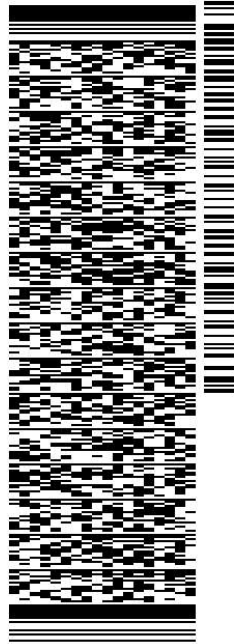
SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

**35 RIDGE ROAD**

**ANDOVER CT 06232**

(201) 236-9224 REF: 1734.7690  
INV/ PO: DEPT:

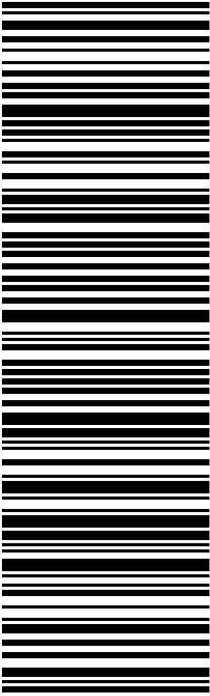


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56DJ3/B387/FE4A

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35 RIDGE RD

Location

35 RIDGE RD

Mblu

20/ 4/ 5-54/ /

Acct#

130

Owner

JOHNSON BRIAN

Assessment

\$215,000

Appraisal

\$307,100

PID

130

Building Count

1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$235,800	\$71,300	\$307,100
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$165,100	\$49,900	\$215,000

Owner of Record

Owner

JOHNSON BRIAN

Sale Price

\$335,000

Co-Owner

Certificate

Address

35 RIDGE RD  
ANDOVER, CT 06232

Book & Page

128/ 927

Sale Date

11/21/2016

Instrument

00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
JOHNSON BRIAN	\$335,000		128/ 927	00	11/21/2016
HALL WALTER C & MARILYN W	\$181,280		0066/0588	00	11/27/1996
B NICOLO CARPENTRY INC	\$48,000		0065/0882	00	08/07/1996
UNITED LAND GROUP	\$0		0048/0569		09/29/1988

Building Information

Building 1 : Section 1

Year Built:

1996

Living Area:

2,420

Replacement Cost:

\$252,208

Building Percent Good: 87  
Replacement Cost  
Less Depreciation: \$219,400

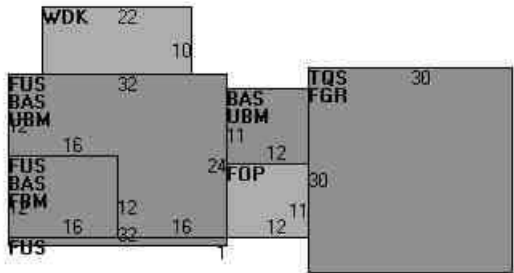
Building Attributes	
Field	Description
Style	Colonial
Model	Residential
Grade:	B-
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	Central
Total Bedrooms:	3 Bedrooms
Total Bthrms:	2
Total Half Baths:	1
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Modern
Kitchen Style:	Average

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\27\64.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/130\_130.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	900	900
FUS	Upper Story, Finished	800	800
TQS	Three Quarter Story	900	720
FBM	Basement, Finished	192	0
FGR	Garage	900	0
FOP	Porch, Open, Finished	132	0
UBM	Basement, Unfinished	708	0
WDK	Deck, Wood	220	0
		4,752	2,420

Extra Features

Extra Features					Legend
Code	Description	Size	Value	Bldg #	

FPL3	Fireplc 2 St Chmny	1 UNITS	\$2,400	1
------	--------------------	---------	---------	---

Land

Land Use		Land Line Valuation	
Use Code	1010	Size (Acres)	2.33
Description	Single Fam MDL-01	Frontage	0
Zone	R-40	Depth	0
Neighborhood	13	Assessed Value	\$49,900
Alt Land Appr Category	No	Appraised Value	\$71,300

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed Frame			216 S.F.	\$2,300	1
SHD1	Shed Frame			96 S.F.	\$1,200	1
SPL2	Pool-Vinyl/Plastic			697 S.F.	\$10,500	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$253,700	\$71,700	\$325,400
2011	\$253,700	\$71,700	\$325,400
2010	\$275,600	\$79,900	\$355,500

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$177,700	\$50,200	\$227,900
2011	\$177,700	\$50,200	\$227,900
2010	\$192,900	\$55,900	\$248,800



ORIGIN ID: SCH4 (201) 236-9224  
ANNE MARIE ZSAMBA  
CROWN CASTLE  
21 HEATHER DRIVE

GANSEVOORT, NY 12831  
UNITED STATES US

TO **MARK J BLAIR**

**39 RIDGE ROAD**

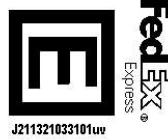
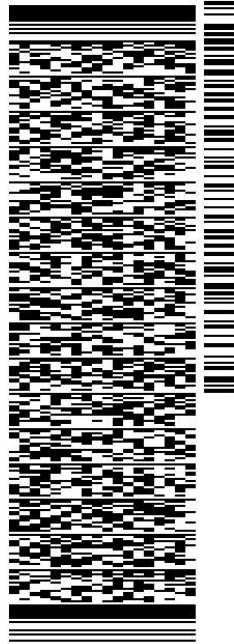
**ANDOVER CT 06232**

(201) 236-9224 REF: 1734 7690  
INV/ PO: DEPT:

SHIP DATE: 03JUN21  
ACTWGT: 1.00 LB  
CAD: 104924194/NET4340

BILL SENDER

56DJ3/B387/FE4A

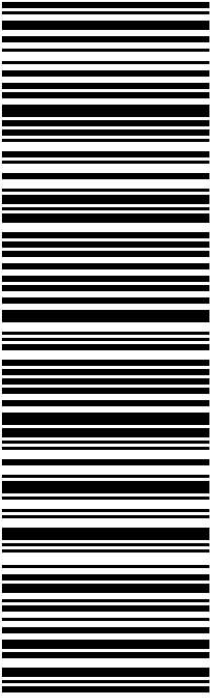


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39 RIDGE RD

Location	39 RIDGE RD	Mblu	20/ 4/ 5-55/ /
Acct#	131	Owner	BLAIR MARK J
Assessment	\$181,800	Appraisal	\$259,800
PID	131	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$182,600	\$77,200	\$259,800
Assessment			
Valuation Year	Improvements	Land	Total
2016	\$127,800	\$54,000	\$181,800

Owner of Record

Owner	BLAIR MARK J	Sale Price	\$0
Co-Owner		Certificate	
Address	39 RIDGE RD	Book & Page	123/ 109
	ANDOVER, CT 06232	Sale Date	04/28/2014
		Instrument	01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BLAIR MARK J	\$0		123/ 109	01	04/28/2014
BLAIR MARK J & DEBORAH A	\$200,810		0072/1032	00	06/01/1999
UNITED LAND GROUP	\$0		0048/0569		09/29/1988

Building Information

Building 1 : Section 1

Year Built:	1999
Living Area:	1,764
Replacement Cost:	\$199,590
Building Percent Good:	86

Replacement Cost  
Less Depreciation: \$171,600

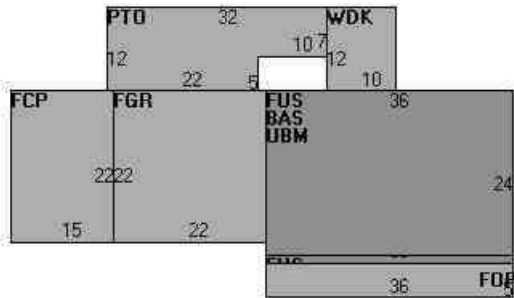
Building Attributes	
Field	Description
Style	Colonial
Model	Residential
Grade:	B-
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	2
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Average
Kitchen Style:	Average

Building Photo



(http://images.vgsi.com/photos2/AndoverCTPhotos//00\00\27\66.jpg)

Building Layout



(http://images.vgsi.com/photos2/AndoverCTPhotos//Sketches/131\_131.jpg)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
FUS	Upper Story, Finished	900	900
BAS	First Floor	864	864
FCP	Carport	330	0
FGR	Garage	484	0
FOP	Porch, Open, Finished	216	0
PTO	Patio	334	0
UBM	Basement, Unfinished	864	0
WDK	Deck, Wood	120	0
		4,112	1,764

Extra Features

Extra Features					Legend
Code	Description	Size	Value	Bldg #	

FPL	Fireplace	1 UNITS	\$1,700	1
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Land

Land Use		Land Line Valuation	
Use Code	1010	Size (Acres)	6.59
Description	Single Fam MDL-01	Frontage	0
Zone	R-40	Depth	0
Neighborhood	13	Assessed Value	\$54,000
Alt Land Appr	No	Appraised Value	\$77,200
Category			

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SPL3	Pool-Gunnite			576 S.F.	\$8,600	1
SHD1	Shed Frame			120 S.F.	\$700	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$217,300	\$78,800	\$296,100
2011	\$217,300	\$78,800	\$296,100
2010	\$228,900	\$88,800	\$317,700

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$152,100	\$55,200	\$207,300
2011	\$152,100	\$55,200	\$207,300
2010	\$160,200	\$62,100	\$222,300

# Exhibit F

## **Power Density/RF Emissions Report**



## RF EMISSIONS COMPLIANCE REPORT

### Crown Castle on behalf of AT&T Mobility, LLC

Crown Castle Site Name: ANDOVER NORTH

Crown Castle Site BU Number: 842856

AT&T Mobility, LLC FA: 10070910

AT&T Mobility, LLC USID: 27084

AT&T Mobility, LLC Site ID: CT5860

AT&T Site Name: Andover North

Application ID: 517084

122 Jonathan Trumbull Highway (Route 6)

Andover, CT

6/16/2021

### Report Status:

**AT&T Mobility, LLC Is Compliant**



Michael Fischer, P.E.  
Registered Professional Engineer (Electrical)  
Connecticut License Number 33928  
Expires January 31, 2022

Signed 16 June 2021

Prepared By:

**Site Safe, LLC**

Engineering Statement in Re:  
Electromagnetic Energy Analysis  
Crown Castle  
Andover, CT

My signature on the cover of this document indicates:

That I am registered as a Professional Engineer in the jurisdiction indicated; and

That I have extensive professional experience in the wireless communications engineering industry; and

That I am an employee of Site Safe, LLC in Vienna, Virginia; and

That I am thoroughly familiar with the Rules and Regulations of the Federal Communications Commission ("the FCC" and "the FCC Rules") both in general and specifically as they apply to the FCC's Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields; and

That the technical information serving as the basis for this report was supplied by Crown Castle on behalf of AT&T Mobility, LLC (see attached Site Summary and Carrier documents) and that AT&T Mobility, LLC's installation involves communications equipment, antennas and associated technical equipment at a location referred to as "ANDOVER NORTH" ("the site"); and

That AT&T Mobility, LLC proposes to operate at the site with transmit antennas listed in the carrier summary and with a maximum effective radiated power as specified by AT&T Mobility, LLC and shown on the worksheet and that worst-case 100% duty cycle has been assumed; and

That this analysis has been performed with the assumption that the ground immediately surrounding the tower is primarily flat or falling; and

That at this time, the FCC requires that certain licensees address specific levels of radio frequency energy to which workers or members of the public might possibly be exposed (at §1.1307(b) of the FCC Rules); and

That such consideration of possible exposure of humans to radio frequency energy must utilize the standards set by the FCC, which is the federal agency having jurisdiction over communications facilities; and

That the FCC rules define two tiers of permissible exposure guidelines: 1) "uncontrolled environments," which defines situations in which persons may not be aware of (the "general public"), or may not be able to control their exposure to a transmission facility; and 2) "controlled environments," which defines situations in which persons are aware of their potential for exposure (industry personnel); and

That this statement specifically addresses the uncontrolled environment (which is more conservative than the controlled environment) and the limit set forth in the FCC rules for licensees of AT&T Mobility, LLC's operating frequencies as shown on the attached antenna worksheet; and

That when applying the uncontrolled environment standards, the predicted Maximum Power Density at two meters above ground level from the proposed AT&T Mobility, LLC operation is no more than 2.932% of the maximum permissible exposure limits in any accessible area on the ground; and

That it is understood per FCC Guidelines and OET 65 Appendix A, that regardless of the existent radio frequency environment, only those licensees whose contributions exceed 5% of the exposure limit pertinent to their operation(s) bear any responsibility for bringing any non-compliant area(s) into compliance; and

That when applying the uncontrolled environment standards, the cumulative predicted energy density from the proposed operation is no more than 9.940% of the maximum in any accessible area up to two meters above the ground per OET 65; and

That the calculations provided in this report are based on data provided by the client and antenna pattern data supplied by the antenna manufacturer, in accordance with FCC guidelines listed in OET 65. Horizontal and vertical antenna patterns are combined for modeling purposes to accurately reflect the energy two meters above ground level where on-axis energy refers to maximum energy two meters above the ground along the azimuth of the antenna and where area energy refers to the maximum energy anywhere two meters above the ground regardless of the antenna azimuth, accounting for cumulative energy from multiple antennas for the carrier(s) and frequency range(s) indicated; and

That the Occupational Safety and Health Administration has policies in place which address worker safety in and around communications sites, thus individual companies will be responsible for their employees' training regarding radio frequency safety; and

In summary, it is stated here that the proposed operation at the site will not result in exposure of the public to excessive levels of radio frequency energy as defined in the FCC Rules and Regulations, specifically 47 CFR 1.1307(b), and that AT&T Mobility, LLC's proposed operation is completely compliant.

Finally, it is stated that access to the tower should be restricted to communication industry professionals and approved contractor personnel trained in radio frequency safety and that this instant analysis addresses exposure levels at two meters above ground level and does not address exposure levels on the tower or in the immediate proximity of the antennas.



**Crown Castle  
ANDOVER NORTH  
Site Summary**

<b>Carrier</b>	<b>Area Maximum Percentage MPE</b>
AT&T Mobility, LLC (Proposed)	0.636 %
AT&T Mobility, LLC (Proposed)	0.558 %
AT&T Mobility, LLC (Proposed)	0.547 %
AT&T Mobility, LLC (Proposed)	0.562 %
AT&T Mobility, LLC (Proposed)	0.629 %
T-Mobile	0.300 %
T-Mobile	0.244 %
T-Mobile	0.524 %
T-Mobile	0.207 %
Verizon Wireless	1.788 %
Verizon Wireless	1.740 %
Verizon Wireless	0.730 %
Verizon Wireless	1.475 %
<b>Composite Site MPE:</b>	<b>9.940 %</b>

**AT&T Mobility, LLC (Proposed)**  
**ANDOVER NORTH**  
**Carrier Summary**

Frequency: 1900 MHz  
Maximum Permissible Exposure (MPE): 1000  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 6.35543  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 0.63554 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
CCI Antennas	DMP65R-BU6D	151	40	4075	4.474445	0.447444	5.453649	0.545365
CCI Antennas	DMP65R-BU6D	151	170	4075	5.118257	0.511826	6.306428	0.630643
CCI Antennas	DMP65R-BU6D	151	290	4075	5.10456	0.510456	6.065119	0.606512

**AT&T Mobility, LLC (Proposed)**  
**ANDOVER NORTH**  
**Carrier Summary**

Frequency: 737 MHz  
Maximum Permissible Exposure (MPE): 491.33  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 2.74015  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 0.55770 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
CCI Antennas	DMP65R-BU6D	151	40	2400	2.710541	0.55167	2.725395	0.554694
CCI Antennas	DMP65R-BU6D	151	170	2400	2.710541	0.55167	2.725395	0.554694
CCI Antennas	DMP65R-BU6D	151	290	2400	2.710541	0.55167	2.725395	0.554694

**AT&T Mobility, LLC (Proposed)**  
**ANDOVER NORTH**  
**Carrier Summary**

Frequency: 2100 MHz  
Maximum Permissible Exposure (MPE): 1000  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 5.47382  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 0.54738 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
CCI Antennas	DMP65R-BU6D	151	40	5497	3.208307	0.320831	4.578996	0.457900
CCI Antennas	DMP65R-BU6D	151	170	5497	3.746999	0.374700	5.457549	0.545755
CCI Antennas	DMP65R-BU6D	151	290	5497	3.770832	0.377083	5.219415	0.521942

**AT&T Mobility, LLC (Proposed)**  
**ANDOVER NORTH**  
**Carrier Summary**

Frequency: 850 MHz  
Maximum Permissible Exposure (MPE): 566.67  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 3.18328  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 0.56176 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
CCI Antennas	HPA65R-BU6A	151	40	658	0.714963	0.126170	0.719505	0.126971
CCI Antennas	DMP65R-BU6D	151	40	1120	1.214731	0.214364	1.222989	0.215822
CCI Antennas	DMP65R-BU6D	151	40	1120	1.214731	0.214364	1.222989	0.215822
CCI Antennas	HPA65R-BU6A	151	170	658	0.714963	0.126170	0.719505	0.126971
CCI Antennas	DMP65R-BU6D	151	170	1120	1.214731	0.214364	1.222989	0.215822
CCI Antennas	DMP65R-BU6D	151	170	1120	1.214731	0.214364	1.222989	0.215822
CCI Antennas	HPA65R-BU6A	151	290	658	0.714963	0.126170	0.719505	0.126971
CCI Antennas	DMP65R-BU6D	151	290	1120	1.214731	0.214364	1.222989	0.215822
CCI Antennas	DMP65R-BU6D	151	290	1120	1.214731	0.214364	1.222989	0.215822

**AT&T Mobility, LLC (Proposed)**  
**ANDOVER NORTH**  
**Carrier Summary**

Frequency: 763 MHz  
Maximum Permissible Exposure (MPE): 508.67  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 3.1984  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 0.62878 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
CCI Antennas	HPA65R-BU6A	151	40	2819	1.856419	0.364958	1.897661	0.373066
CCI Antennas	HPA65R-BU6A	151	170	2819	3.173264	0.623839	3.191000	0.627326
CCI Antennas	HPA65R-BU6A	151	290	2819	1.371145	0.269557	1.401823	0.275588

# T-Mobile ANDOVER NORTH Carrier Summary

**Frequency:** 700 MHz  
**Maximum Permissible Exposure (MPE):** 466.67  $\mu\text{W}/\text{cm}^2$   
**Maximum power density at ground level:** 1.40127  $\mu\text{W}/\text{cm}^2$   
**Highest percentage of Maximum Permissible Exposure:** 0.30027 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
RFS	APXVAARR24_43-U-NA20	140	0	3484	1.141771	0.244665	1.202739	0.257730
RFS	APXVAARR24_43-U-NA20	140	120	3484	1.141771	0.244665	1.202739	0.257730
RFS	APXVAARR24_43-U-NA20	140	240	3484	1.141771	0.244665	1.202739	0.257730

# T-Mobile ANDOVER NORTH Carrier Summary

**Frequency:** 600 MHz  
**Maximum Permissible Exposure (MPE):** 400  $\mu\text{W}/\text{cm}^2$   
**Maximum power density at ground level:** 0.97769  $\mu\text{W}/\text{cm}^2$   
**Highest percentage of Maximum Permissible Exposure:** 0.24442 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
RFS	APXVAARR24_43-U-NA20	140	0	2501	0.888190	0.222048	0.905055	0.226264
RFS	APXVAARR24_43-U-NA20	140	120	2501	0.888190	0.222048	0.905055	0.226264
RFS	APXVAARR24_43-U-NA20	140	240	2501	0.888190	0.222048	0.905055	0.226264



# T-Mobile ANDOVER NORTH Carrier Summary

**Frequency:** 2100 MHz  
**Maximum Permissible Exposure (MPE):** 1000  $\mu\text{W}/\text{cm}^2$   
**Maximum power density at ground level:** 5.24443  $\mu\text{W}/\text{cm}^2$   
**Highest percentage of Maximum Permissible Exposure:** 0.52444 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
RFS	APX16DWV-16DWVS-C-A20	140	0	6763	4.955299	0.495530	5.193235	0.519323
RFS	APX16DWV-16DWVS-C-A20	140	120	6763	4.955299	0.495530	5.193235	0.519323
RFS	APX16DWV-16DWVS-C-A20	140	240	6763	4.955299	0.495530	5.193235	0.519323

# T-Mobile ANDOVER NORTH Carrier Summary

**Frequency:** 1900 MHz  
**Maximum Permissible Exposure (MPE):** 1000  $\mu\text{W}/\text{cm}^2$   
**Maximum power density at ground level:** 2.06521  $\mu\text{W}/\text{cm}^2$   
**Highest percentage of Maximum Permissible Exposure:** 0.20652 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
RFS	APX16DWV-16DWVS-C-A20	140	0	6763	1.588207	0.158821	1.875333	0.187533
RFS	APX16DWV-16DWVS-C-A20	140	120	6763	1.588207	0.158821	1.875333	0.187533
RFS	APX16DWV-16DWVS-C-A20	140	240	6763	1.588207	0.158821	1.875333	0.187533

# Verizon Wireless ANDOVER NORTH Carrier Summary

Frequency: 2100 MHz  
Maximum Permissible Exposure (MPE): 1000  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 17.87640  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 1.78764 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
Commscope	NHH-65B-R2B	130	0	6763	4.434909	0.443491	7.616429	0.761643
Commscope	NHH-65B-R2B	130	0	6763	4.434909	0.443491	7.616429	0.761643
Commscope	NHH-65B-R2B	130	90	6763	4.434909	0.443491	7.616429	0.761643
Commscope	NHH-65B-R2B	130	90	6763	4.434909	0.443491	7.616429	0.761643
Commscope	NHH-65B-R2B	130	210	6763	4.434909	0.443491	7.616429	0.761643
Commscope	NHH-65B-R2B	130	210	6763	4.434909	0.443491	7.616429	0.761643

# Verizon Wireless ANDOVER NORTH Carrier Summary

Frequency: 1900 MHz  
Maximum Permissible Exposure (MPE): 1000  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 17.40248  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 1.74025 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
Commscope	NHH-65B-R2B	130	0	6027	5.768221	0.576822	7.620179	0.762018
Commscope	NHH-65B-R2B	130	0	6027	5.768221	0.576822	7.620179	0.762018
Commscope	NHH-65B-R2B	130	90	6027	5.768221	0.576822	7.620179	0.762018
Commscope	NHH-65B-R2B	130	90	6027	5.768221	0.576822	7.620179	0.762018
Commscope	NHH-65B-R2B	130	210	6027	5.768221	0.576822	7.620179	0.762018
Commscope	NHH-65B-R2B	130	210	6027	5.768221	0.576822	7.620179	0.762018

# Verizon Wireless ANDOVER NORTH Carrier Summary

Frequency: 850 MHz  
Maximum Permissible Exposure (MPE): 566.67  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 4.13638  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 0.72995 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
Commscope	NHH-65B-R2B	130	0	3091	1.341667	0.236765	1.392413	0.245720
Commscope	NHH-65B-R2B	130	0	3091	1.341667	0.236765	1.392413	0.245720
Commscope	NHH-65B-R2B	130	90	3091	1.341667	0.236765	1.392413	0.245720
Commscope	NHH-65B-R2B	130	90	3091	1.341667	0.236765	1.392413	0.245720
Commscope	NHH-65B-R2B	130	210	3091	1.341667	0.236765	1.392413	0.245720
Commscope	NHH-65B-R2B	130	210	3091	1.341667	0.236765	1.392413	0.245720

# Verizon Wireless ANDOVER NORTH Carrier Summary

Frequency: 751 MHz  
Maximum Permissible Exposure (MPE): 500.67  $\mu\text{W}/\text{cm}^2$   
Maximum power density at ground level: 7.38334  $\mu\text{W}/\text{cm}^2$   
Highest percentage of Maximum Permissible Exposure: 1.47470 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE	Max Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of MPE
Commscope	NHH-65B-R2B	130	0	3021	1.666377	0.332832	2.399894	0.479340
Commscope	NHH-65B-R2B	130	0	3021	1.666377	0.332832	2.399894	0.479340
Commscope	NHH-65B-R2B	130	90	3021	1.666377	0.332832	2.399894	0.479340
Commscope	NHH-65B-R2B	130	90	3021	1.666377	0.332832	2.399894	0.479340
Commscope	NHH-65B-R2B	130	210	3021	1.666377	0.332832	2.399894	0.479340
Commscope	NHH-65B-R2B	130	210	3021	1.666377	0.332832	2.399894	0.479340