

# CITY OF CAMBRIDGE

BOARD OF ZONING APPEAL

831 Massachusetts Avenue, Cambridge MA 02139

617-349-6100

2023 MAR -8 AM 11:27

OFFICE OF THE CITY CLERK  
CAMBRIDGE, MASSACHUSETTS

## BZA Application Form

**BZA Number: 211717**

### General Information

The undersigned hereby petitions the Board of Zoning Appeal for the following:

Special Permit:   X                        Variance:                             Appeal:       

**PETITIONER:** T-Mobile Northeast LLC, for Rindge Tower Apartments LLC C/O Adam Braillard of Prince Lobel Tye LLP, for T-Mobile Northeast LLC

**PETITIONER'S ADDRESS:** One International Place, Suite 3700, Boston, MA 02110

**LOCATION OF PROPERTY:** 402 Rindge Ave., Cambridge, MA

**TYPE OF OCCUPANCY:** Mixed Use and Telecommunications

**ZONING DISTRICT:** Residential C-2

### **REASON FOR PETITION:**

/Telecommunication Facility (antenna)/ /Modification of Existing Telecommunications Facility under Section 6409 of the 2012 Spectrum Act/


### **DESCRIPTION OF PETITIONER'S PROPOSAL:**

The Applicant's facility currently consists of three (3) sectors (Alpha, Beta and Gamma) totaling six (6) panel antennas and six (6) RRUs, all installed on the façade of the building at a maximum height of 211-feet. The Applicant proposes to modify its existing facility by replacing the existing six (6) panel antennas with nine (9) new like-kind panel antennas, as well as replacing the six (6) RRUs with six (6) new like kind RRHs. The Gamma sector antennas will be located in the same location as the existing Gamma antennas. The Alpha Sector antennas will be shifted to where the Beta antennas are currently installed, and the Beta Sector antennas will be shifted to south facing façade of the Building, at the same elevations of the existing antennas. All of the new antennas will be painted to match the color of the façade of the Building.

### **SECTIONS OF ZONING ORDINANCE CITED:**

Article: 4.000	Section: 4.32.G.1 & 4.40 (footnote 49) (Telecommunications Facility)
Article: 10.000	Section: 10.40 (Special Permit)
Article: 6409	Section: Federal Middle Class Tax Relief Act (Spectrum Act)

Original  
Signature(s):

  
\_\_\_\_\_

(Petitioner (s) / Owner)  
Adam F. Braillard, of Prince Lobel Tye, for the  
Petitioner, T-Mobile Northeast LLC  
\_\_\_\_\_  
(Print Name)

**BZA APPLICATION FORM - OWNERSHIP INFORMATION**

To be completed by OWNER, signed before a notary and returned to The Secretary of the Board of Zoning Appeals.

I/We Rindge Tower Apartments LLC  
(OWNER)

Address: 1035 Cambridge Street #12, Cambridge, MA 02141

State that I/We own the property located at 402 Rindge Ave., which is the subject of this zoning application.

The record title of this property is in the name of Rindge Tower Apartments LLC

\*Pursuant to a deed of duly recorded in the date 12/22/2015, Middlesex South County Registry of Deeds at Book 66573, Page 239; or Middlesex Registry District of Land Court, Certificate No. \_\_\_\_\_ Book \_\_\_\_\_ Page \_\_\_\_\_.

[Signature]  
SIGNATURE BY LAND OWNER OR AUTHORIZED TRUSTEE, OFFICER OR AGENT\*


\*Written evidence of Agent's standing to represent petitioner may be requested.

Commonwealth of Massachusetts, County of Middlesex

The above-name Carl Nagy-Koechlin personally appeared before me, this 13<sup>th</sup> of February, 2023, and made oath that the above statement is true.

[Signature] Notary

My commission expires 11/16/23 (Notary Seal).

 GERALDINE M. ZIPSER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
November 16, 2023

- If ownership is not shown in recorded deed, e.g. if by court order, recent deed, or inheritance, please include documentation.

February 20, 2022

City of Cambridge  
Board of Zoning Appeals  
831 Massachusetts Avenue  
Cambridge, MA 02139

Re: Eligible Facilities Request pursuant to Section 6409 of the  
Spectrum Act and an Application for Special Permit, in the  
Alternative  
Property Address: 402 Rindge Avenue, Cambridge, MA 02139  
Assessor's Map 268B, Lot 45 (the "**Property**")  
Applicant: T-Mobile Northeast, LLC ("**Applicant**")

Dear Honorable Members of the Board of Zoning Appeals:

This firm represents T-Mobile Northeast LLC in connection with an application for a special permit from the City of Cambridge Board of Zoning Appeals (the "**Board**"), to modify an existing wireless communications facility on the Property. The Property is located in the Residence C2 Zoning District (the "**Residence C2**"). To the extent that the Board determines that the requirements of Article 4 Section 4.32G.1 of the City of Cambridge Zoning Ordinance (the "**Ordinance**") apply, the use of the Property for a wireless telecommunications facility is permitted by special permit from the Board<sup>1</sup>. The Applicant's proposal satisfies the requirements for the grant of a special permit pursuant to Section 10-43 of the Ordinance.

The Applicant's Proposed Facility (as defined herein) is subject to Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, more commonly known as the "Spectrum Act" (47 U.S.C. § 1455). As such, we respectfully submit that in the event that the Board determines that the application does not comply with the Spectrum Act, the Applicant hereby states that the special permit requirements set forth in the Ordinance are hereby met by the Applicant, and that relief must be granted to the Applicant. Compliance with the Spectrum Act is

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<sup>1</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

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shown on the Eligible Facilities Request permit application form attached hereto and incorporated herein by reference (the “**EFR**”).

The Applicant seeks to modify its existing wireless communications facility by replacing the existing antennas with new antennas, replacing existing Remote Radio Units (“**RRUs**”) with new Remote Radio Heads (the “**RRHs**”) and modifying existing ancillary equipment (the “**Proposed Facility**”). The Applicant’s Proposed Facility is described in more detail below and is shown on the Plans attached hereto and incorporated herein by reference (the “**Plans**”).

## **I. Background**

The Applicant is licensed by the Federal Communications Commission (the “**FCC**”) to construct and operate a wireless telecommunications network in various markets throughout the country, including the Commonwealth of Massachusetts and in particular in the City of Cambridge. A copy of the Applicant’s FCC license is attached hereto. The Applicant is in the process of designing and constructing a telecommunications system to serve all of the Commonwealth of Massachusetts. One of the key design objectives of its systems is to provide seamless coverage. Such a system requires a grid of radio transmitting and receiving links located approximately .5 to 2 miles apart, depending on the location of existing and proposed installations in the surrounding area, the existing use of the network and the existing topography. The radio transmitting and receiving facilities operate on a line-of-sight basis, requiring a clear path from the facility to the user on the ground. This dynamic requires the antennas to be located in a location where the signal is not obstructed or degraded by other buildings or by topographical features such as hills.

## **II. Project Description**

The Applicant’s existing facility consists of three (3) sectors (Alpha, Beta and Gamma) totaling six (6) panel antennas and six (6) RRUs, all installed on the façade of the building at a maximum height of 214-feet. The Applicant proposes to modify its existing facility by replacing the existing six (6) panel antennas with nine (9) new like-kind panel antennas, as well as replacing the six (6) RRUs with six (6) new like kind RRHs. The Gamma sector antennas will be located in the same location as the existing Gamma antennas. The Alpha Sector antennas will be shifted to where the Beta antennas are currently installed, and the Beta Sector antennas will be shifted to south

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facing façade of the Building, at the same elevations of the existing antennas. All of the new antennas will be painted to match the color of the façade of the Building. Consequently, the visual change to the Applicant's existing facility will be de minimus.

The Applicant's proposal is consistent with the previous decisions of the Board for this facility, the first of which is dated September 11, 2009 (Case No. 9698) (the "**Original Decision**") and a second dated May 2, 2019 (BZA-017074-2019) (the "**2nd Decision**") (the Original Decision and 2<sup>nd</sup> Decision shall hereafter be referred to as the "**Decisions**").

After installation, the Proposed Facility will be unmanned and will only require twice a month maintenance visits per carrier. The only utilities required to operate this Proposed Facility are standard 120-volt electrical power as well as telephone service. These are presently in place at the Property. The traffic generated by the Proposed Facility will be approximately two vehicle trips per month by maintenance personnel who will inspect the Proposed Facility to ensure it remains in good working order. The Proposed Facility will comply with all applicable local, state and federal safety codes

### III. Legal Arguments

#### A. The Applicant complies with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance

Pursuant to Section 4.32(g) of the Ordinance, the Applicant's proposed use for a wireless communications facility in the Residence C2 is permitted by special permit. The Applicant's Proposed Facility further complies with the provisions set forth in Section 4.32(g), footnote 49 of the Ordinance:

1. **The Board of Zoning Appeal shall consider the scope of, or limitations imposed by any license secured from any state or federal agency having jurisdiction over such matters.**

Enclosed herewith is the Applicant's FCC license. The Applicant meets all requirements imposed by governmental authorities having jurisdiction over the Proposed Facility, including by the FCC, to provide wireless communications in this market area.

The intent of the U.S. Congress, when it enacted the Telecommunications Act

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of 1996 (“TCA”) was to institute a framework to promote competition and innovation within the telecommunications industry. Under its license from the FCC, T-Mobile is obligated to provide a reliable “product” (i.e. wireless communications service) to the population of the City of Cambridge. Likewise, consumer expectations for increasingly robust and reliable service requires competing service providers (including T-Mobile) to identify and remedy existing gaps in reliable network coverage, or gaps that result from increasing subscriber voice and data traffic beyond the limits of existing network infrastructure. A carrier’s failure to remedy network gaps in a timely fashion can result in a significant loss of subscribers to competing telecommunications carriers. The Proposed Facility and corresponding relief requested are necessary to remedy a gap in reliable service coverage within T-Mobile’s existing network infrastructure.

T-Mobile investigated alternative sites in and around the defined geographic area within which its engineers determined that a facility must be located to fill the gap in service coverage and to function effectively within its network of existing and planned facilities. This is an existing location that is being upgraded with new technology to provide the necessary coverage to the subject area of the City of Cambridge. Therefore, the Proposed Facility in the Residence C3 District is necessary to close the coverage gap that is illustrated on the propagation maps submitted herewith. Consequently, T-Mobile is unable to close a gap in its wireless network without obtaining the requested relief under Section 6409 of the Spectrum act or a Special Permit to modify its existing wireless facility in the Residence C3 District.

Furthermore, Section 6409(a) of the Spectrum Act mandates that state and local governments “*may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.*” Under Section 6409(a)(2)(A)-(C) an Eligible Facilities Request is any request to modify a Tower or Base Station that involves “collocations of new Transmission Equipment,” “removal,” or “replacement” of Transmission Equipment.

Because federal law now preempts many of the permit application requirements that this jurisdiction would previously have required from an Applicant, we have provided, on the attached EFR, only the information that federal law allows this jurisdiction to consider when reviewing an EFR. As such, we submit that the Wireless Communications set forth in Section 4.32(g), footnote 49 of the Ordinance, provisions are not applicable to Proposed Facility and relief must be granted pursuant to Section 6409(a) of the Spectrum Act.

**2. The Board of Zoning Appeal shall consider the extent to which the visual impact of the various elements of the**

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**proposed facility is minimized: (1) through the use of existing mechanical elements on the building's roof or other features of the building as support and background, (2) through the use in materials that in texture and color blend with the materials to which the facilities are attached, or (3) other effective means to reduce the visual impact of the facility on the site.**

The Applicant's Proposed Facility will have no additional visual impact on the existing facility and Building. The Proposed Facility will be installed on the facade of the Building in the same location as the Existing Facility, and in conformity with the Decisions.

As stated above, federal law now preempts many of the permit applications requirements that the Ordinance sets forth. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

- 3. Where it is proposed to erect such a facility in any residential zoning district, the extent to which there is a demonstrated public need for the facility at the proposed locations, the existence of alternative, functionally suitable sites in nonresidential locations, the character of the prevailing uses in the area, and the prevalence of other existing mechanical systems and equipment carried on or above the roof of nearby structures. The Board of Zoning Appeal shall grant a special permit to erect such a facility in a residential zoning district only upon a finding that nonresidential uses predominate in the vicinity of the proposed facility's location and that the telecommunications facility is not inconsistent with the character that does prevail in the surrounding neighborhood.**

The Proposed Facility is located in the Residential C2 Zoning District but nonresidential uses predominate in the area. Pursuant to the requirement that the Board shall grant a special permit to erect a Telecommunications Facility only upon a finding that non-residential uses predominate in the vicinity of the proposed facility's location the Applicant hereby states that this is a modification of an existing wireless facility and as such respectfully submits to the Board that it has previously found that nonresidential uses predominate in the vicinity of this Proposed Facility. The Board has reached a decision to grant a special permit for the Applicant's Existing Facility the previous Decisions. As such, the Applicant respectfully

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requests that, in keeping with its prior decisions, the Board find that nonresidential uses predominate in the vicinity of the Proposed Facility and that the Proposed Facility is not inconsistent with the character that does prevail in the surrounding neighborhood.

Further, notwithstanding anything contained herein to the contrary, and in agreement with the aforementioned predominately nonresidential use finding, upon an inspection of the vicinity of the Proposed Facility the Applicant respectfully submits that said finding is reasonable as the character of the surrounding neighborhood consists of nonresidential uses such as, the Summer Shack Seafood Restaurant at 149 Alewife Brook Parkway, the Light of Life Church at 153 Alewife Brook Parkway, the Alewife Brook Parkway which is a major thoroughfare in Cambridge, and the Alewife train station and tracks.

Moreover, the proposed changes to the Existing Facility are de minimis and therefore, the Proposed Facility is not inconsistent with the character that does prevail in the surrounding neighborhood. Finally, as noted above, the proposed installation is a modification to the Applicant's Facility and as such is the preferred location for additional equipment, pursuant to the TCA, as referenced above.

**B. The Applicant complies with the Special Permit Criteria set forth in Section 10-43 of the Ordinance<sup>2</sup>:**

**1. The requirements of the Ordinance can be met:**

As provided above, the Applicant has met the requirements set forth in Section 4.32(g), footnote 49 of the Ordinance.

**2. Traffic generated or patterns of access or egress would not cause congestion hazard, or substantial change in established neighborhood character for the following reasons:**

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<sup>2</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.



The proposed installation will not obstruct existing rights-of-way or pedestrian access and will not change the daily conditions of access, egress, traffic, congestion hazard, or character of the neighborhood. The installation will not require the addition of any new parking or loading spaces. The use is passive and will not change the current conditions or appearance surrounding the Building. The facility will not produce any odors, fumes, noise or waste. There will be no need for water, sewer, or other municipal services.

As mentioned above, once modified, the facility will be unmanned and will only require infrequent visits by a technician, typically two times per month for routine diagnostics and/or maintenance, except in cases of emergency. These infrequent visits will not result in any material increase in traffic or disruption to patterns of access or egress that will cause congestion hazards or cause a substantial change in the established neighborhood character. The Applicant's maintenance personnel will make use of the existing access roads and parking at the Building.

**3. The continued operation of or the development of adjacent uses as permitted in the Zoning Ordinance would not be adversely affected by the nature of the proposed use for the following reasons:**

As described above and illustrated on the attached photograph simulations, the modification of the existing facility will produce a minimal change in the appearance of the Building. The modification of the existing facility will blend with the existing characteristics of the Building and the surrounding neighborhood. Moreover, the proposed installation will not generate any traffic, smoke, dust, heat, glare, discharge of noxious substances, nor will it pollute waterways or groundwater. Conversely, the surrounding properties and general public will benefit from the potential to enjoy improved wireless communication.

**3. Nuisance or hazard would not be created to the detriment of the health, safety, and/or welfare of the occupant of the proposed use or the citizens of the City for the following reasons:**

The operations of the proposed telecommunications facility will not adversely impact the health, safety, and the welfare of the residents of the City of Cambridge. On the contrary, the proposed use will benefit the City and promote the safety and welfare of its residents, businesses and drivers by providing reliable state-of-the-art digital wireless voice and data services. Further, the site will improve the reliability of emergency communications with the police and fire departments by eliminating dropped or blocked calls due to inadequate signal strength or insufficient network capacity to handle call volume, particularly important during emergency situations.

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The Proposed Facility will comply with all federal, state and local safety requirements including the standards established by the FCC, Federal Aviation Administration (FAA), the American Standards Institute (ANSI), and the Massachusetts Department of Public Health (MDPH).

Accordingly, the Proposed Facility will not adversely impact the health, safety and/or welfare of the neighborhood or the residents of the City of Cambridge.

**5. For other reasons, the proposed installation will not impair the integrity of the district or adjoining district or otherwise derogate from the intent or purpose of this ordinance for the following reasons:**

The Proposed Facility is designed to blend with the existing characteristics of the Property, reducing any visual impacts to the surrounding area. Accordingly, the Proposed Facility's design results in a minimal impact on the underlying and adjacent zoning district and is consistent with the Ordinance's intention to allow for less intrusive wireless telecommunications facilities in all districts (other than Open Space), including the Residence C3 District.

As mentioned above, the proposed modifications to the existing installation will not generate any traffic, smoke, dust, heat, glare, discharge, or noxious substances, nor will it pollute waterways or groundwater.

**6. The new use of the building construction is consistent with the Urban Design Objective set forth in Section 19.30 of the Ordinance:**

Not Applicable. The Applicant is not proposing to construct a new building or structure.

**IV. Summary**


The Applicant hereby requests that the Board determine that the City of Cambridge has the right to authorize the construction of the Proposed Facility through the issuance of a Building Permit, pursuant to Section 6409(a) of the Spectrum Act. Or, in the alternative, its proposed modifications to the existing telecommunications facility will not have any adverse effect on the neighborhood within which the Property is located in particular, and the City of Cambridge as a whole. The findings are made in view of the particular characteristics of the Property

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and of the Applicant's proposed siting and equipment, as detailed above. This Property is the most appropriate location for the installation and operation of the wireless communications facility.

For the foregoing reasons the Applicant respectfully requests that the Board grant the foregoing relief pursuant to Section 6409(a) of the Spectrum Act or, in the alternative, zoning relief in the form of a Special Permit and such other relief as the Board deems necessary to allow the installation and operation of the Applicant's Proposed Facility.

Sincerely,



Adam F. Braillard  
Direct: 617-456-8153  
Email: [abraillard@princelobel.com](mailto:abraillard@princelobel.com)

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 Tel. No. 617-456-8153  
 E-Mail Address: abraillard@princelobel.com

Date: \_\_\_\_\_

**BZA Application Form**

**DIMENSIONAL INFORMATION**

**Applicant:** T-Mobile Northeast LLC, for Rindge Tower Apartments LLC  
**Location:** 402 Rindge Ave., Cambridge, MA  
**Phone:** 617-456-8153

**Present Use/Occupancy:** Mixed Use and Telecommunications  
**Zone:** Residential C-2  
**Requested Use/Occupancy:** Telecommunications

		<u>Existing Conditions</u>	<u>Requested Conditions</u>	<u>Ordinance Requirements</u>		
<u>TOTAL GROSS FLOOR AREA:</u>		N/A	No Change		N/A	(max.)
<u>LOT AREA:</u>		N/A	No Change		N/A	(min.)
<u>RATIO OF GROSS FLOOR AREA TO LOT AREA: <sup>2</sup></u>		N/A	No Change		N/A	
<u>LOT AREA OF EACH DWELLING UNIT</u>		N/A	No Change		N/A	
<u>SIZE OF LOT:</u>	WIDTH	N/A	No Change		N/A	
	DEPTH	N/A	No Change		N/A	
<u>SETBACKS IN FEET:</u>	FRONT	N/A	No Change		N/A	
	REAR	N/A	No Change		N/A	
	LEFT SIDE	N/A	No Change		N/A	
	RIGHT SIDE	N/A	No Change		N/A	
<u>SIZE OF BUILDING:</u>	HEIGHT	N/A	No Change		N/A	
	WIDTH	N/A	No Change		N/A	
	LENGTH	N/A	No Change		N/A	
<u>RATIO OF USABLE OPEN SPACE TO LOT AREA:</u>		N/A	No Change		N/A	
<u>NO. OF DWELLING UNITS:</u>		N/A	No Change		N/A	
<u>NO. OF PARKING SPACES:</u>		N/A	No Change		N/A	
<u>NO. OF LOADING AREAS:</u>		N/A	No Change		N/A	
<u>DISTANCE TO NEAREST BLDG. ON SAME LOT</u>		N/A	No Change		N/A	

Describe where applicable, other occupancies on the same lot, the size of adjacent buildings on same lot, and type of construction proposed, e.g; wood frame, concrete, brick, steel, etc.:

The Proposed installation involves a modification of an existing Wireless Telecommunications Facility.

1. SEE CAMBRIDGE ZONING ORDINANCE ARTICLE 5.000, SECTION 5.30 (DISTRICT OF DIMENSIONAL REGULATIONS).

APPROVED  
By Keith Johnson at 11:32 am, Mar 04, 2022

APPROVED  
By Bill Hastings at 2:56 pm, Mar 04, 2022

APPROVED  
By Dan Currier at 1:11pm, Feb 28, 2022

# 4BSS006B/BS52XC006

## 402 RINDGE AVE RT

402 RINDGE AVENUE  
CAMBRIDGE, MA 02139

PROJECT: SPRINT RETAIN  
RF DESIGN GUIDELINE: 67E5D998E 6160

### SITE NOTES

- THIS IS AN UNMANNED AND RESTRICTED ACCESS TELECOMMUNICATION FACILITY, AND IS NOT FOR HUMAN HABITATION. IT WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNAL FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
  - ADA COMPLIANCE NOT REQUIRED.
  - POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED.
  - NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACE THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
- NEW CONSTRUCTION WILL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES.
  - BUILDING CODE: MASSACHUSETTS STATE BUILDING CODE 780 CMR (9TH EDITION)
  - ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE
  - STRUCTURAL CODE: TIA/EIA-222-H STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

### T-MOBILE TECHNICIAN SITE SAFETY NOTES

LOCATION	SPECIAL RESTRICTIONS
SECTOR A:	ACCESS BY CERTIFIED CLIMBER
SECTOR B:	ACCESS BY CERTIFIED CLIMBER
SECTOR C:	ACCESS BY CERTIFIED CLIMBER
GPS/LMU:	UNRESTRICTED
RADIO CABINETS:	UNRESTRICTED
PPC DISCONNECT:	UNRESTRICTED
MAIN CIRCUIT D/C:	UNRESTRICTED
NIU/T DEMARC:	UNRESTRICTED
OTHER/SPECIAL:	NONE

### SCOPE OF WORK

- EQUIPMENT TO BE REMOVED**
- THREE (3) SPRINT COMMSCOPE NNW-65B-R4 ANTENNAS
  - THREE (3) CLEARWIRE PANEL ANTENNAS
  - ALL INACTIVE CLEARWIRE DISH ANTENNAS
  - SIX (6) SPRINT ALCATEL LUCENT RRH2x50 800MHZ RADIOS
  - THREE (3) SPRINT ALCATEL LUCENT RRH4x45 1900MHZ RADIOS
  - THREE (3) CLEARWIRE RADIOS
  - THREE (3) SPRINT HYBRID TRUNK CABLES
  - ALL UNUSED CLEARWIRE COAX CABLES
  - ONE (1) SPRINT GPS ANTENNA & ASSOCIATED 1/2" COAX CABLE
  - ONE (1) CLEARWIRE GPS ANTENNA & ASSOCIATED 1/2" COAX CABLE
  - ONE (1) SPRINT ELTEK ECAB EQUIPMENT CABINET
  - ONE (1) SPRINT ELTEK ICAB INTERCONNECT CABINET

- EQUIPMENT TO BE ADDED**
- THREE (3) RFS APXVA118\_43-U-NA20 ANTENNAS
  - THREE (3) RFS APXVLL19P\_43-C-A20 ANTENNAS
  - THREE (3) ERICSSON M-MIMO AIR6419 B41 ANTENNAS
  - THREE (3) ERICSSON RADIO 4460 B25+B66
  - THREE (3) ERICSSON RADIO 4480 B71+B85
  - THREE (3) 2" (6x24) HCS FIBER CABLES
  - ONE (1) GPS & ASSOCIATED 1/2" COAX CABLE
  - ONE (1) ERICSSON 6160 EQUIPMENT CABINET
  - ONE (1) ERICSSON B160 BATTERY CABINET
  - ONE (1) SLACKBOX FOR FIBER MANAGEMENT
  - ONE (1) PURCELL RAC24 FIBER CABINET
  - FURNISH & INSTALL COMMERCIAL POWER RELAY
  - PAINT TO MATCH

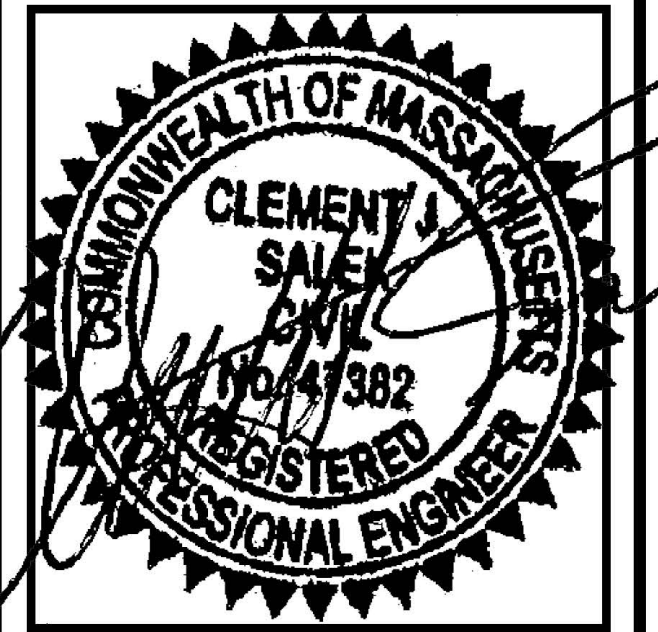
Mobile

T-MOBILE NORTHEAST LLC  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
OFFICE: (508) 286-2700

CHAPPELL  
ENGINEERING  
ASSOCIATES, LLC

Civil · Structural · Land Surveying

R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST  
SUITE 101  
MARLBOROUGH, MA 01752  
(508)481-7400  
www.chappellengineering.com



### APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

### GENERAL NOTES

- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY REGULATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE OMNIPOTENT REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT OWNER'S REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE/LICENSEE REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK.

AT LEAST 72 HOURS PRIOR TO DIGGING, THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 811



### VICINITY MAP: 1"=1000'



### DIRECTIONS

MERGE ONTO I-495 NORTH TOWARD MANSFIELD/MARLBORO. TAKE EXIT 33A FOR I-95 NORTH TOWARD BOSTON. TAKE EXIT ON LEFT TO STAY ON I-95 NORTH TOWARD PORTSMOUTH NH. TAKE EXIT 45A FOR MA-2 EAST/CONCORD TURNPIKE TOWARD BOSTON/CAMBRIDGE EAST. TURN SLIGHTLY RIGHT ONTO ALEWIFE BROOK PARKWAY. AT TRAFFIC CIRCLE, TAKE 3RD EXIT TO STAY ON ALEWIFE BROOK PARKWAY. TURN RIGHT ONTO RINDGE AVENUE. SITE IS LOCATED ON THE RIGHT HAND SIDE.

### SHEET INDEX

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### DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

### PROJECT SUMMARY

SITE NUMBER: 4BSS006B/BS52XC006

SITE NAME: 402 RINDGE AVE RT

SITE ADDRESS: 402 RINDGE AVENUE  
CAMBRIDGE, MA 02139

ASSESSOR'S PARCEL NO.: MAP 268B LOT 45

ZONING DISTRICT: RESIDENCE C-2

CONSTRUCTION TYPE: SPRINT RETAIN

LAND OWNER: RINDGE TOWERS APARTMENTS, LLC  
1035 CAMBRIDGE STREET #12  
CAMBRIDGE, MA 02141

APPLICANT: T-MOBILE NORTHEAST LLC  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766

ARCHITECT: CHAPPELL ENGINEERING ASSOCIATES, LLC  
201 BOSTON POST ROAD WEST, SUITE 101  
MARLBOROUGH, MA 01752

STRUCTURAL ENGINEER: CHAPPELL ENGINEERING ASSOCIATES, LLC  
201 BOSTON POST ROAD WEST, SUITE 101  
MARLBOROUGH, MA 01752

SITE CONTROL POINT: LATITUDE: 42.393424° N42°23'36.33"  
LONGITUDE: -71.139850° W71°08'23.46"

**SPECIAL ZONING NOTE:**  
BASED ON INFORMATION PROVIDED BY T-MOBILE REGULATORY COMPLIANCE PROFESSIONALS AND LEGAL COUNSEL, THIS TELECOMMUNICATIONS EQUIPMENT DEPLOYMENT IS CONSIDERED AN ELIGIBLE FACILITY UNDER THE MIDDLE CLASS TAX RELIEF AND JOB CREATION ACT OF 2012, 47 USC 1455(A), SECTION 6409(A), AND IS SUBJECT TO AN ELIGIBLE FACILITY REQUEST, EXPEDITED REVIEW, AND LIMITED/PARTIAL ZONING PRE-EMPTION FOR LOCAL DISCRETIONARY PERMITS (VARIANCE, SPECIAL PERMIT, SITE PLAN REVIEW, OR ADMINISTRATIVE REVIEW).

PROJECT NO: 4BSS006B

DRAWN BY: CMC

CHECKED BY: JMT

VERSION		
1	02/11/22	CONSTRUCTION
0	02/01/22	CONSTRUCTION REVIEW

THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF T-MOBILE NORTHEAST LLC. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.

4BSS006B/BS52XC006  
402 RINDGE AVE RT

402 RINDGE AVENUE  
CAMBRIDGE, MA 02139

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

**GENERAL NOTES:**

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:  
CONTRACTOR – T-MOBILE  
SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)  
OWNER – T-MOBILE  
OEM – ORIGINAL EQUIPMENT MANUFACTURER
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR 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 CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR 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, STATE AND FEDERAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 CABLES AND GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR AND/OR LANDLORD PRIOR TO CONSTRUCTION.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION AND RETURN DISTURBED AREAS TO ORIGINAL CONDITIONS.
- THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- SUBCONTRACTOR SHALL NOTIFY CHAPPELL ENGINEERING ASSOCIATES, LLC 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING TRENCHES, SEALING ROOF AND WALL PENETRATIONS AND POST DOWNS, FINISHING NEW WALLS OR FINAL ELECTRICAL CONNECTIONS FOR ENGINEERING REVIEW.
- CONSTRUCTION SHALL COMPLY WITH ALL T-MOBILE STANDARDS AND SPECIFICATIONS.
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITES ARE IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- IF THE EXISTING CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

**SITE WORK GENERAL NOTES:**

- THE SUBCONTRACTOR 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 ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR 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.
- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
- 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.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 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 ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
- 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 IN THE PROJECT SPECIFICATIONS.
- SUBCONTRACTOR 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 SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE T-MOBILE SPECIFICATION FOR SITE SIGNAGE.

**CONCRETE AND REINFORCING STEEL NOTES:**

- 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.
  - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. A HIGHER STRENGTH (400PSI) MAY BE USED. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 381 CODE REQUIREMENTS
  - REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
  - THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:  
CONCRETE CAST AGAINST EARTH.....3 IN.  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
#6 AND LARGER .....2 IN.  
#5 AND SMALLER & WWF .....1½ IN.  
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:  
SLAB AND WALL .....¾ IN.  
BEAMS AND COLUMNS .....½ IN.
  - A CHAMFER ¾" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
  - INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS. ALL EXPANSION/WEDGE ANCHORS SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED. EXPANSION BOLTS SHALL BE PROVIDED BY SIMPSON OR APPROVED EQUAL.
  - CONCRETE CYLINDER TIES ARE NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (IBC1905.6.2.3) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER:  
(A) RESULTS OF CONCRETE CYLINDER TEST PERFORMED AT THE SUPPLIERS PLANT.  
(B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.  
FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST.
  - AS AN ALTERNATIVE TO ITEM 7. TEST CYLINDERS SHALL BE TAKEN INITIALLY AND THEREAFTER FOR EVERY 50 YARDS OF CONCRETE FROM EACH DIFFERENT BATCH PLANT.
  - EQUIPMENT SHALL NOT BE PLACED ON NEW PADS FOR SEVEN DAYS AFTER PAD IS POURED, UNLESS IT IS VERIFIED BY CYLINDER TESTS THAT COMPRESSIVE STRENGTH HAS BEEN ATTAINED.
- STRUCTURAL STEEL NOTES:**
- ALL STEEL WORK SHALL BE PAINTED OR GALVANIZED IN ACCORDANCE WITH THE DRAWINGS AND T-MOBILE SPECIFICATIONS UNLESS OTHERWISE NOTED. STRUCTURAL STEEL SHALL BE ASTM-A-36 UNLESS OTHERWISE NOTED ON THE SITE SPECIFIC DRAWINGS. STEEL DESIGN, INSTALLATION AND BOLTING SHALL BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "MANUAL OF STEEL CONSTRUCTION".
  - ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. PAINTED SURFACES SHALL BE TOUCHED UP.
  - BOLTED CONNECTIONS SHALL USE BEARING TYPE ASTM A325 BOLTS (¾") AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE GALVANIZED OR STAINLESS STEEL.
  - NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE ¾" DIA. ASTM A 307 BOLTS (GALV) UNLESS NOTED OTHERWISE.
  - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW & APPROVAL ON PROJECTS REQUIRING STRUCTURAL STEEL.
  - ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.

**SOIL COMPACTION NOTES FOR SLAB ON GRADE:**

- EXCAVATE AS REQUIRED TO REMOVE VEGETATION AND TOPSOIL TO EXPOSE NATURAL SUBGRADE AND PLACE CRUSHED STONE AS REQUIRED.
- COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.
- AS AN ALTERNATE TO INSPECTION AND WRITTEN CERTIFICATION, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.
- COMPACTED SUBBASE SHALL BE UNIFORM AND LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING #1 SIEVE.
- AS AN ALTERNATE TO ITEMS 2 AND 3, THE SUBGRADE SOILS WITH 5 PASSES OR A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). AND SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL AND COMPACTED AS STATED ABOVE.

**COMPACTION EQUIPMENT:**

- HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

**CONSTRUCTION NOTES:**

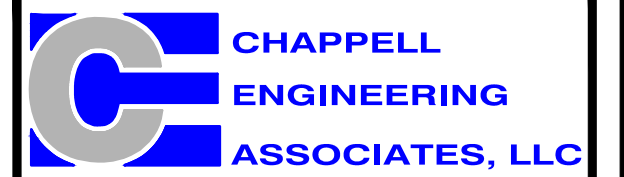
- FIELD VERIFICATION:  
SUBCONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, T-MOBILE ANTENNA PLATFORM LOCATION AND UTILITY TRENCHWORK.
- COORDINATION OF WORK:  
SUBCONTRACTOR SHALL COORDINATE RF WORK AND PROCEDURES WITH CONTRACTOR.
- CABLE LADDER RACK:  
SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAY AND/OR ICE BRIDGE, AND CONDUIT AS REQUIRED TO SUPPORT CABLES TO THE NEW BTS LOCATION.

**ELECTRICAL INSTALLATION NOTES:**

- WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
- SUBCONTRACTOR SHALL MODIFY OR INSTALL CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLEING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
- EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA, AND MATCH INSTALLATION REQUIREMENTS.
- POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC AND OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#34 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR #2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#34 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USE, UNLESS OTHERWISE SPECIFIED.
- NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
- RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- 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. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND NEC.
- CABINETS, BOXES AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PAINDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- 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 RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
- CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.

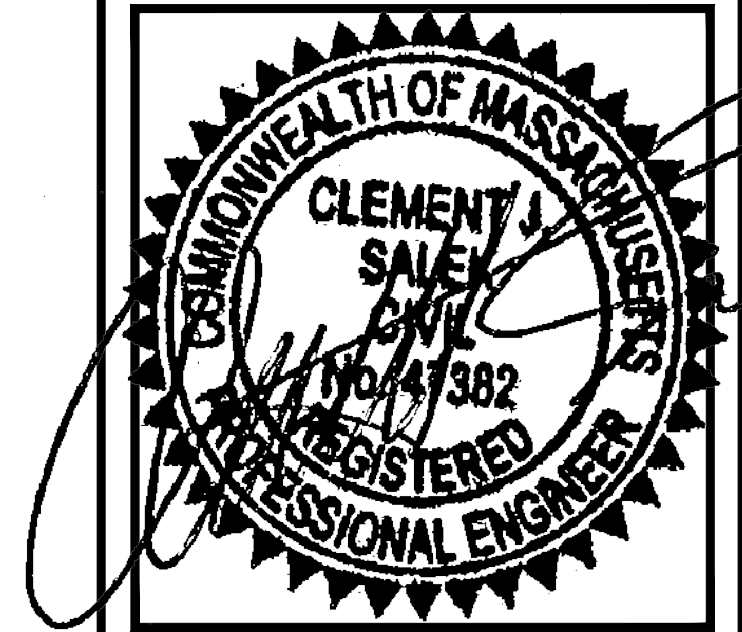


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APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4BSS006B

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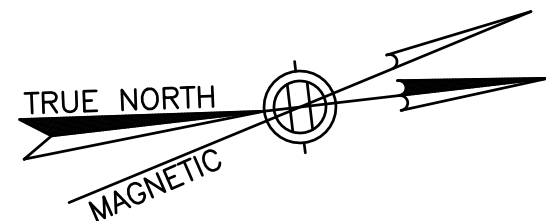
VERSION		
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4BSS006B/BS52XC006  
402 RINDGE AVE RT  
402 RINDGE AVENUE  
CAMBRIDGE, MA 02139

SHEET TITLE  
GENERAL NOTES

SHEET NUMBER  
GN-1



### EQUIPMENT SCHEDULE

#### CURRENT EQUIPMENT

- THREE (3) COMMSCOPE NNVV-65B-R4 ANTENNAS
- THREE (3) CLEARWIRE PANEL ANTENNAS
- SIX (6) CLEARWIRE DISH ANTENNAS & ASSOCIATED CABLES
- THREE (3) CLEARWIRE RADIOS
- SIX (6) ALCATEL LUCENT RRH2x50 800MHz RADIOS
- THREE (3) ALCATEL LUCENT RRH4x45 1900MHz RADIOS
- THREE (3) HYBRID TRUNK CABLES
- THREE (3) CLEARWIRE COAX CABLES (V.I.F.)
- TWO (2) GPS ANTENNAS & ASSOCIATED 1/2" COAX CABLES
- ONE (1) ELTEK ECAB EQUIPMENT CABINET
- ONE (1) ELTEK ICAB INTERCONNECT CABINET
- ONE (1) CLEARWIRE EQUIPMENT CABINET
- ONE (1) ELTEK 200A PPC

#### EQUIPMENT TO BE REMOVED

- THREE (3) COMMSCOPE NNVV-65B-R4 ANTENNAS
- THREE (3) CLEARWIRE PANEL ANTENNAS
- ALL INACTIVE CLEARWIRE DISH ANTENNAS & ASSOCIATED CABLES
- THREE (3) CLEARWIRE RADIOS
- SIX (6) ALCATEL LUCENT RRH2x50 800MHz RADIOS
- THREE (3) ALCATEL LUCENT RRH4x45 1900MHz RADIOS
- THREE (3) HYBRID TRUNK CABLES
- THREE (3) CLEARWIRE COAX CABLES (V.I.F.)
- TWO (2) GPS ANTENNAS & ASSOCIATED 1/2" COAX CABLES
- ONE (1) ELTEK ECAB EQUIPMENT CABINET
- ONE (1) ELTEK ICAB INTERCONNECT CABINET

#### EQUIPMENT TO BE ADDED

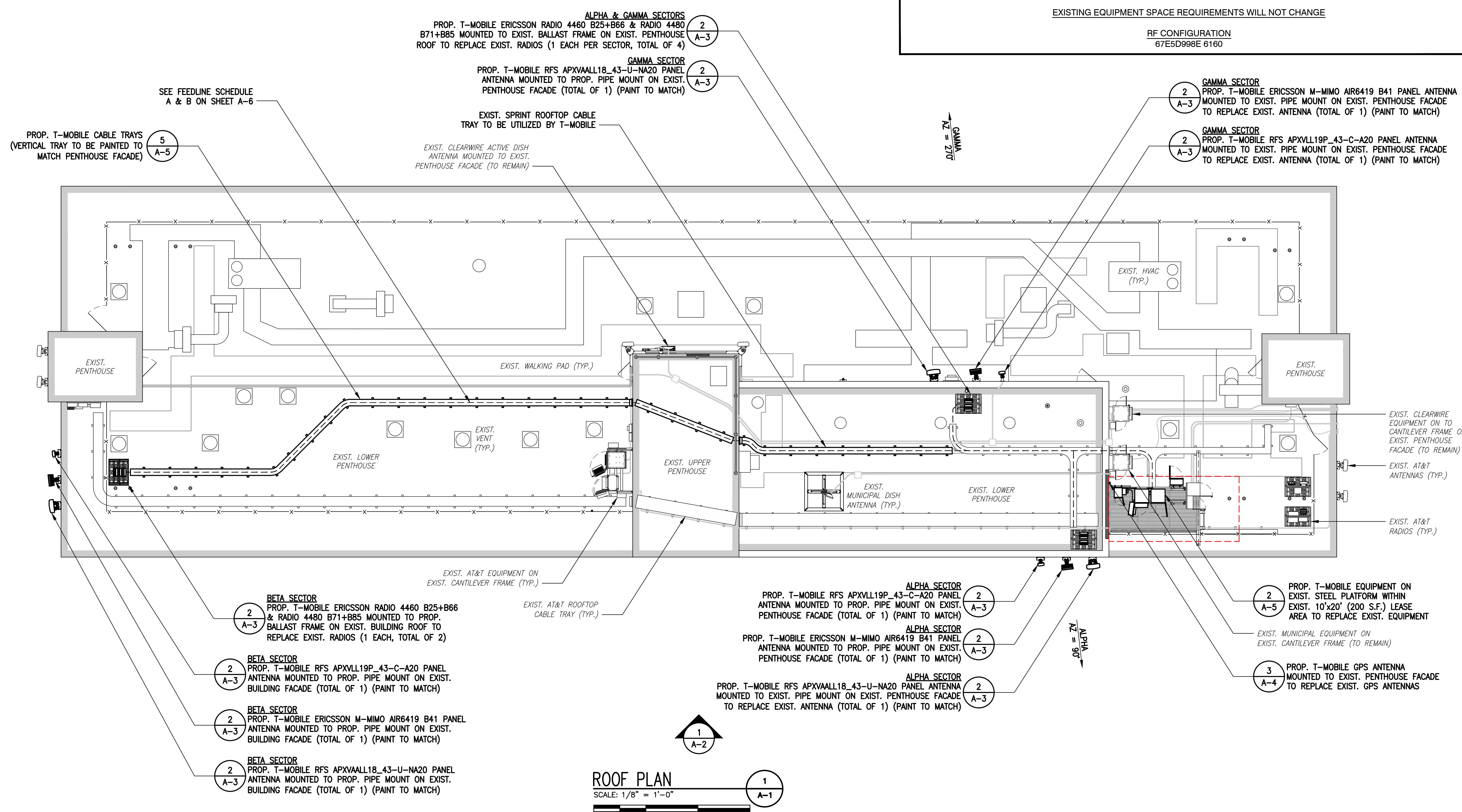
- THREE (3) RFS APXVAALL18\_43-U-NA20 ANTENNAS
- THREE (3) RFS APXVLL19P\_43-C-A20 ANTENNAS
- THREE (3) ERICSSON M-MIMO AIR6419 B41 ANTENNAS
- THREE (3) ERICSSON RADIO 4460 B25+B66
- THREE (3) ERICSSON RADIO 4480 B71+B85
- THREE (3) 2" (6x24) HCS FIBER CABLES
- ONE (1) GPS ANTENNA & ASSOCIATED 1/2" COAX CABLE
- ONE (1) ERICSSON 6160 EQUIPMENT CABINET
- ONE (1) ERICSSON B160 BATTERY CABINET
- ONE (1) SLACKBOX FOR FIBER MANAGEMENT
- ONE (1) PURCELL RAC24 FIBER CABINET

#### FINAL EQUIPMENT CONFIGURATION

- THREE (3) RFS APXVAALL18\_43-U-NA20 ANTENNAS
- THREE (3) RFS APXVLL19P\_43-C-A20 ANTENNAS
- THREE (3) ERICSSON M-MIMO AIR6419 B41 ANTENNAS
- ALL ACTIVE CLEARWIRE DISH ANTENNAS & ASSOCIATED CABLES
- THREE (3) ERICSSON RADIO 4460 B25+B66
- THREE (3) ERICSSON RADIO 4480 B71+B85
- THREE (3) 2" (6x24) HCS FIBER CABLES
- ONE (1) GPS ANTENNA & ASSOCIATED 1/2" COAX CABLE
- ONE (1) ERICSSON 6160 EQUIPMENT CABINET
- ONE (1) ERICSSON B160 BATTERY CABINET
- ONE (1) SLACKBOX FOR FIBER MANAGEMENT
- ONE (1) PURCELL RAC24 FIBER CABINET
- ONE (1) ELTEK 200A PPC

EXISTING EQUIPMENT SPACE REQUIREMENTS WILL NOT CHANGE

RF CONFIGURATION  
67E5D998E 6160



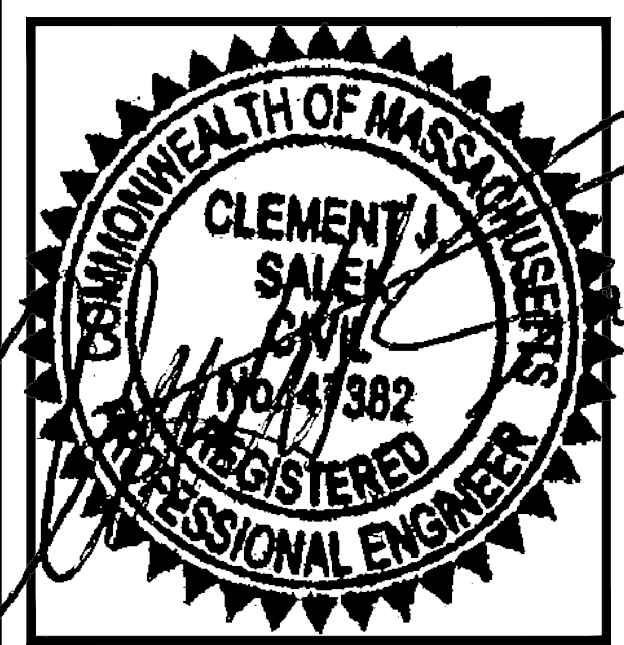
**T-Mobile**

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APPROVALS

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LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4BSS006B

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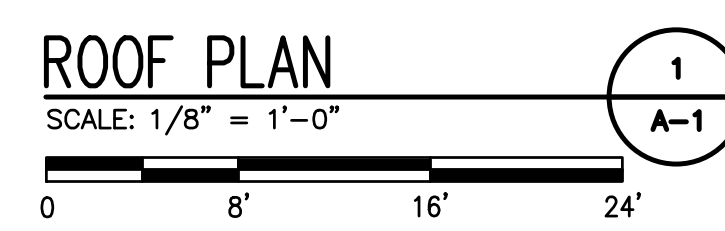
VERSION		
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402 RINDGE AVE RT  
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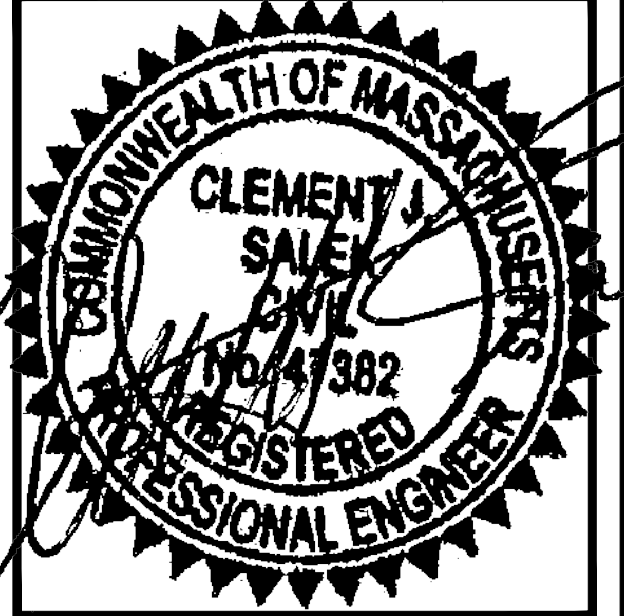
SHEET TITLE  
ROOF PLAN

SHEET NUMBER  
A-1









APPROVALS

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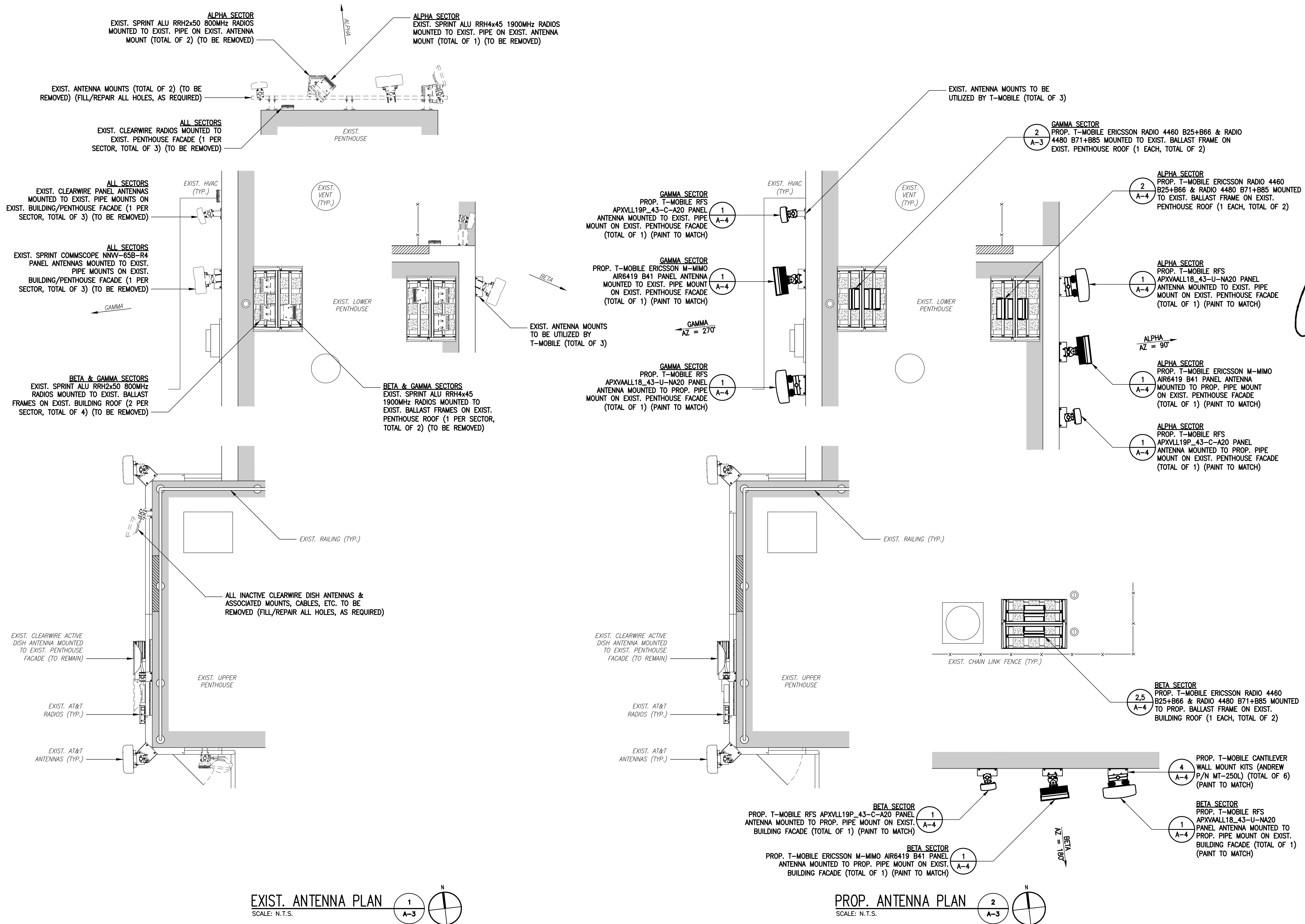
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SHEET TITLE

ANTENNA PLANS

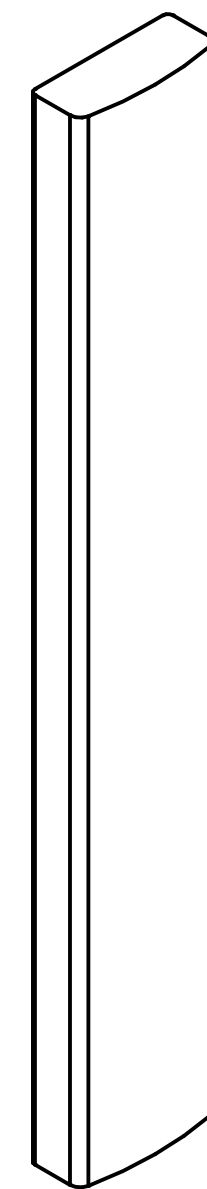
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A-3

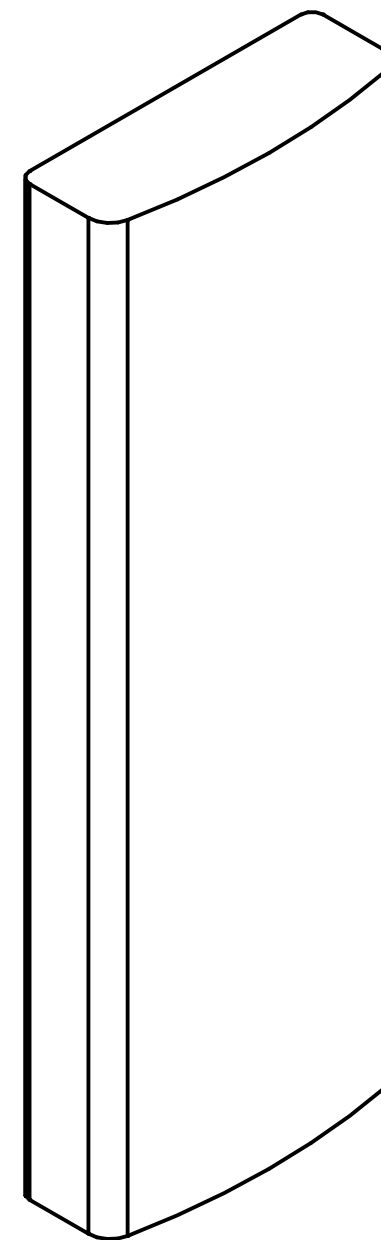




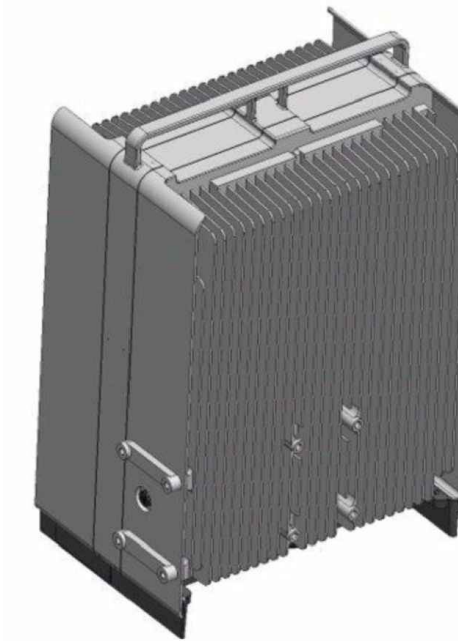
**ERICSSON M-MIMO AIR6419 B41 ANTENNA**  
 DIMENSIONS: 36.3"H x 20.9"W x 9.0"D  
 WEIGHT: 83.3 lbs  
 QUANTITY: 1 PER SECTOR, TOTAL OF 3



**RFS APXVLL19P 43-C-A20 ANTENNA**  
 DIMENSIONS: 75.8"H x 11.3"W x 4.6"D  
 WEIGHT: 49.3 lbs  
 QUANTITY: 1 PER SECTOR, TOTAL OF 3



**RFS APXVAALL18 43-U-NA20 ANTENNA**  
 DIMENSIONS: 72.0"H x 24.0"W x 8.5"D  
 WEIGHT: 92.6 lbs  
 QUANTITY: 1 PER SECTOR, TOTAL OF 3



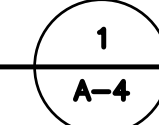
**ERICSSON RADIO 4460 B25+B66**  
 DIMENSIONS: 17.0"H x 15.1"W x 11.9"D  
 WEIGHT: 104.0 lbs  
 QUANTITY: 1 PER SECTOR, TOTAL OF 3



**ERICSSON RADIO 4480 B71+B85**  
 DIMENSIONS: 19.2"H x 15.1"W x 7.5"D  
 WEIGHT: 92.6 lbs  
 QUANTITY: 1 PER SECTOR, TOTAL OF 3

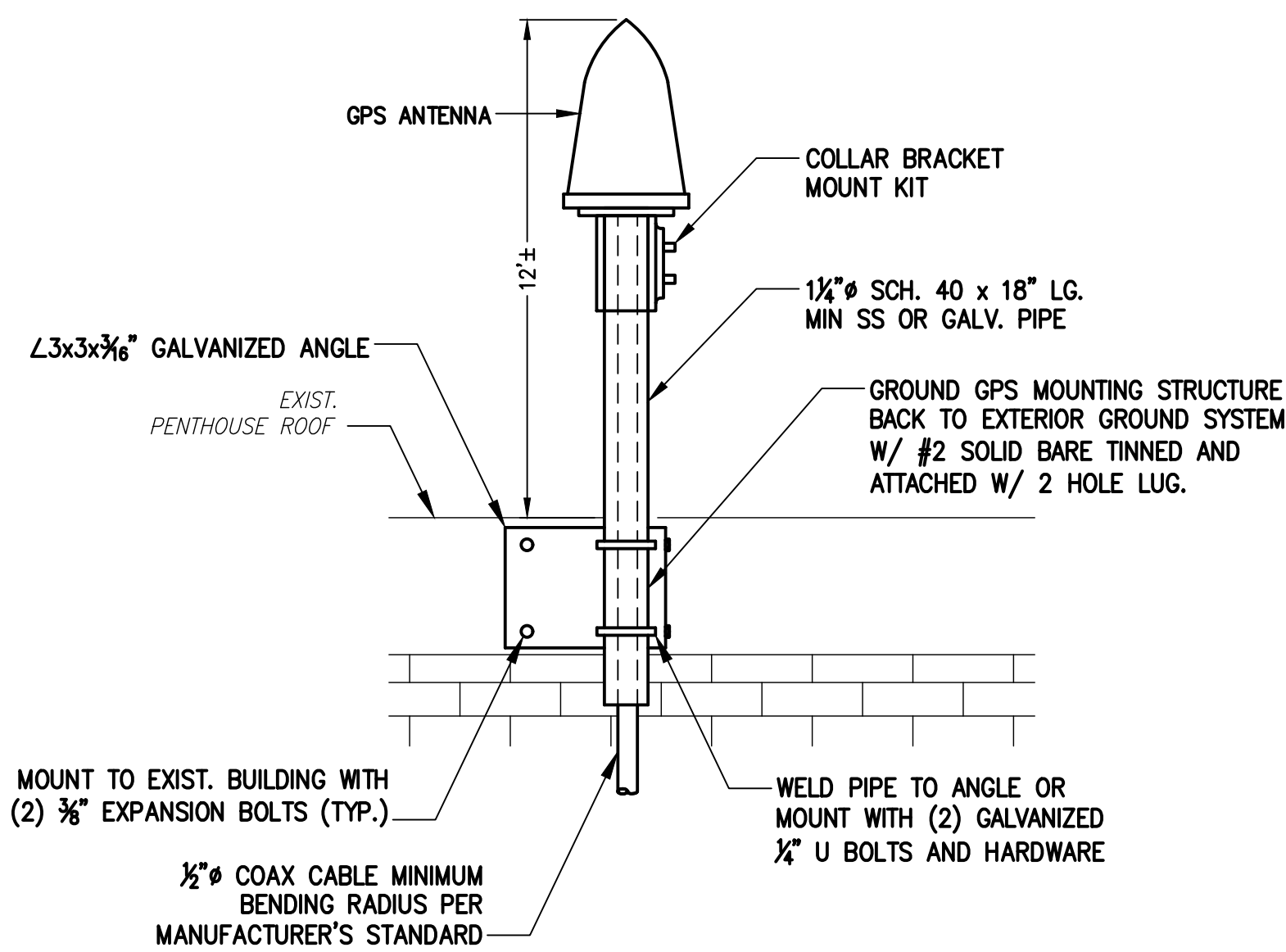
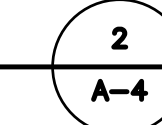
**ANTENNA DETAILS**

SCALE: N.T.S.



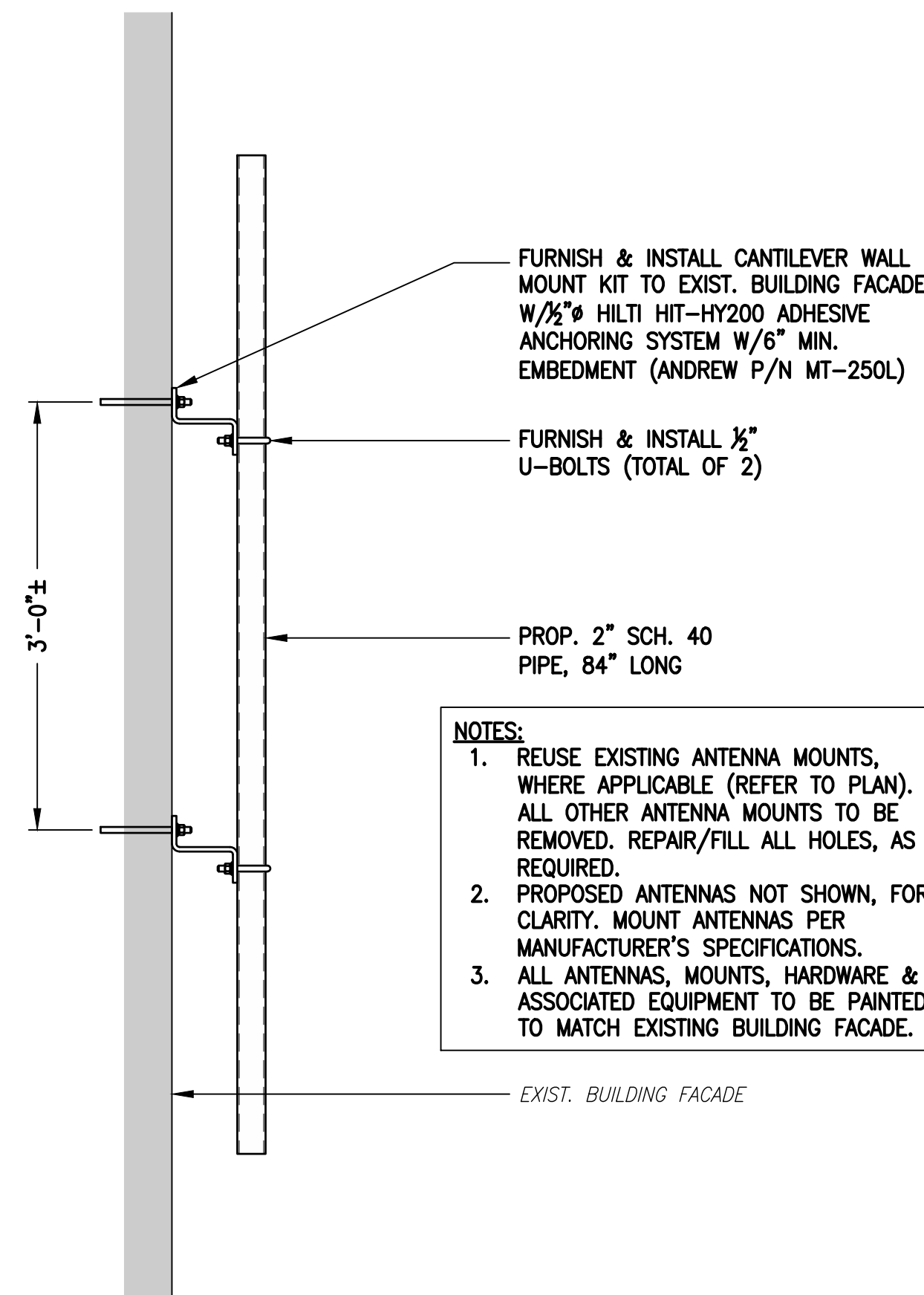
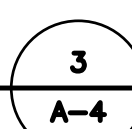
**RADIO DETAIL**

SCALE: N.T.S.



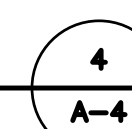
**GPS MOUNTING DETAIL**

SCALE: N.T.S.

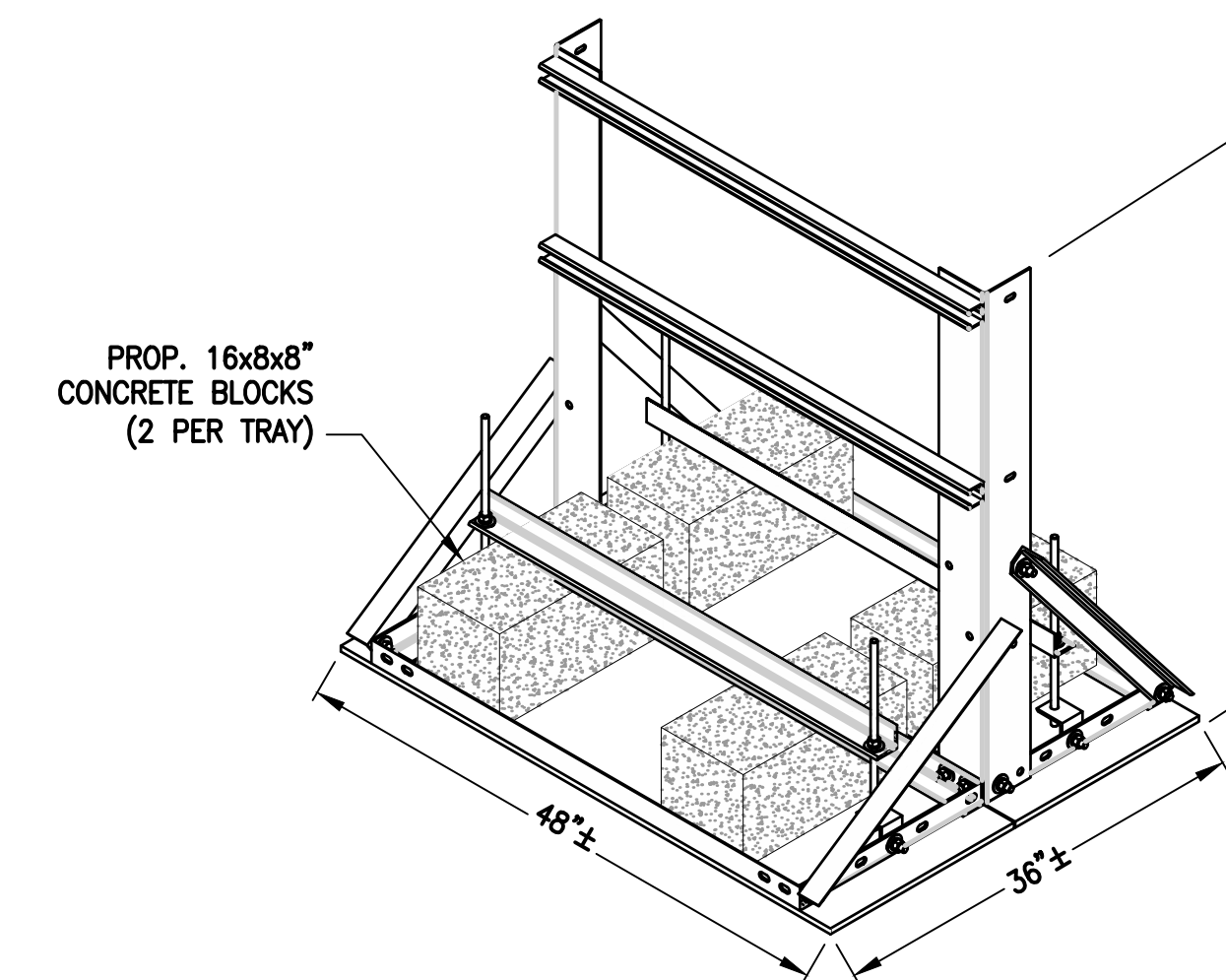


**ANTENNA PIPE MOUNT DETAIL**

SCALE: N.T.S.



- NOTES:**
1. REUSE EXISTING ANTENNA MOUNTS, WHERE APPLICABLE (REFER TO PLAN). ALL OTHER ANTENNA MOUNTS TO BE REMOVED. REPAIR/FILL ALL HOLES, AS REQUIRED.
  2. PROPOSED ANTENNAS NOT SHOWN, FOR CLARITY. MOUNT ANTENNAS PER MANUFACTURER'S SPECIFICATIONS.
  3. ALL ANTENNAS, MOUNTS, HARDWARE & ASSOCIATED EQUIPMENT TO BE PAINTED TO MATCH EXISTING BUILDING FACADE.

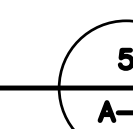


**COMMSCOPE NON-PENETRATING BALLAST FRAME**

PART NUMBER: RR-TFS  
 QUANTITY: TOTAL OF 1

**RADIO MOUNTING DETAIL**

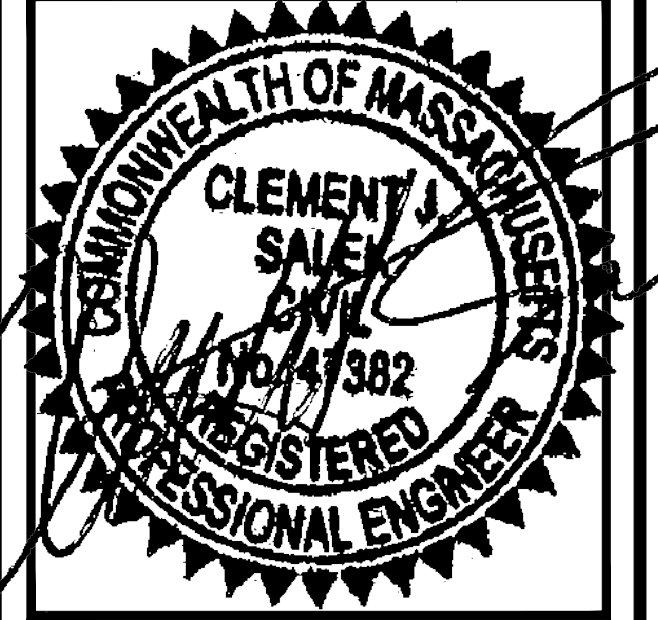
SCALE: N.T.S.



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**APPROVALS**

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 LEASING \_\_\_\_\_  
 R.F. \_\_\_\_\_  
 ZONING \_\_\_\_\_  
 CONSTRUCTION \_\_\_\_\_  
 A/E \_\_\_\_\_

PROJECT NO: 4BSS006B  
 DRAWN BY: CMC  
 CHECKED BY: JMT

**VERSION**

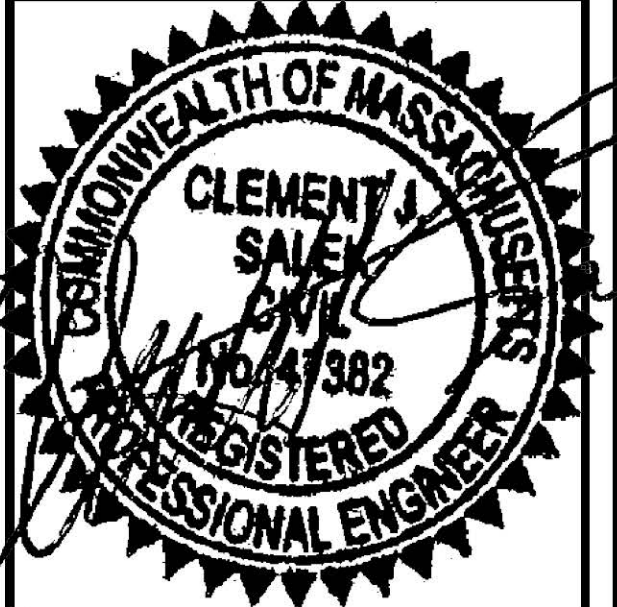
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4BSS006B/BS52XC006  
 402 RINDGE AVE RT  
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 CAMBRIDGE, MA 02139

SHEET TITLE  
**ANTENNA DETAILS**

SHEET NUMBER  
**A-4**



APPROVALS

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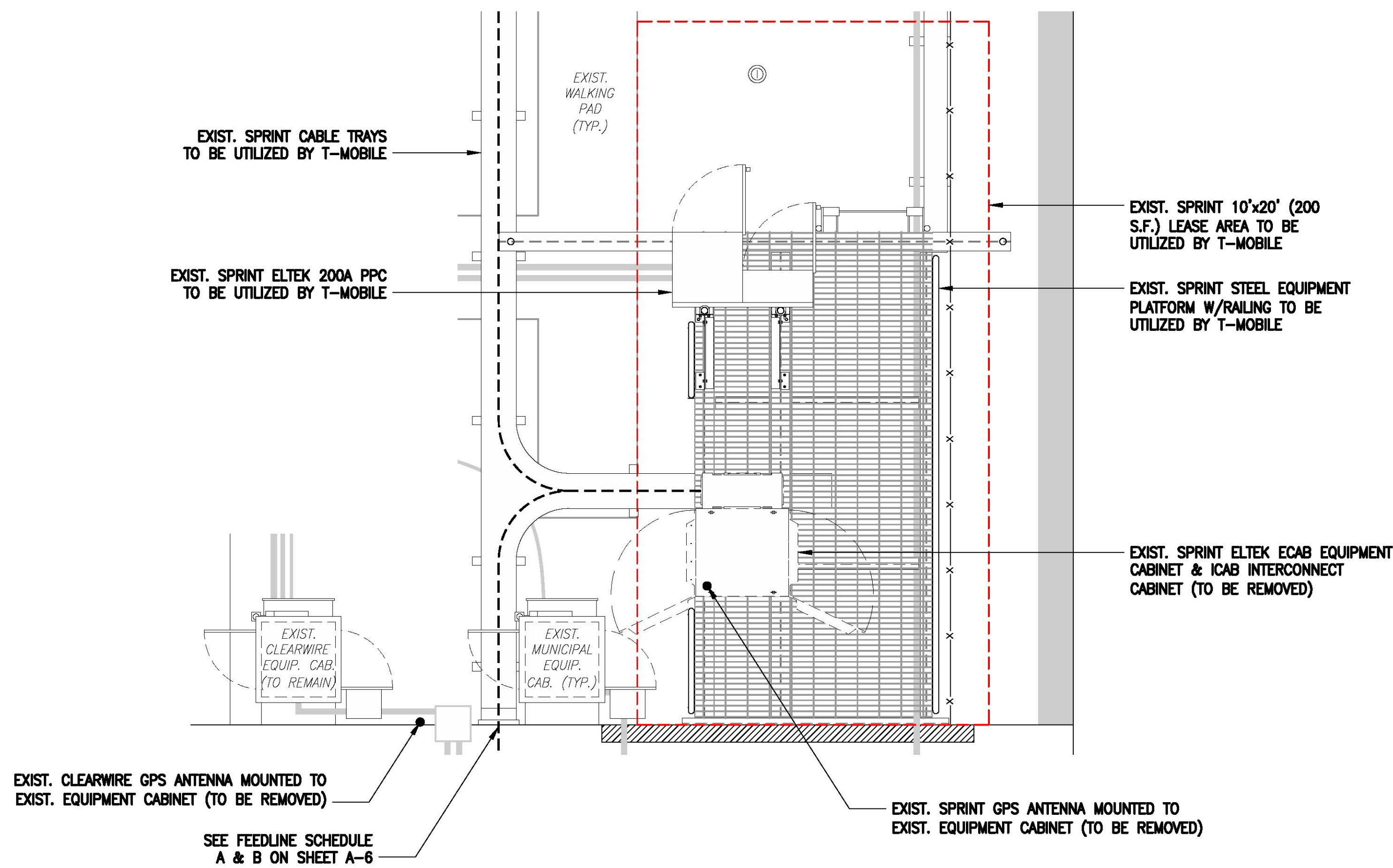
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402 RINDGE AVE RT

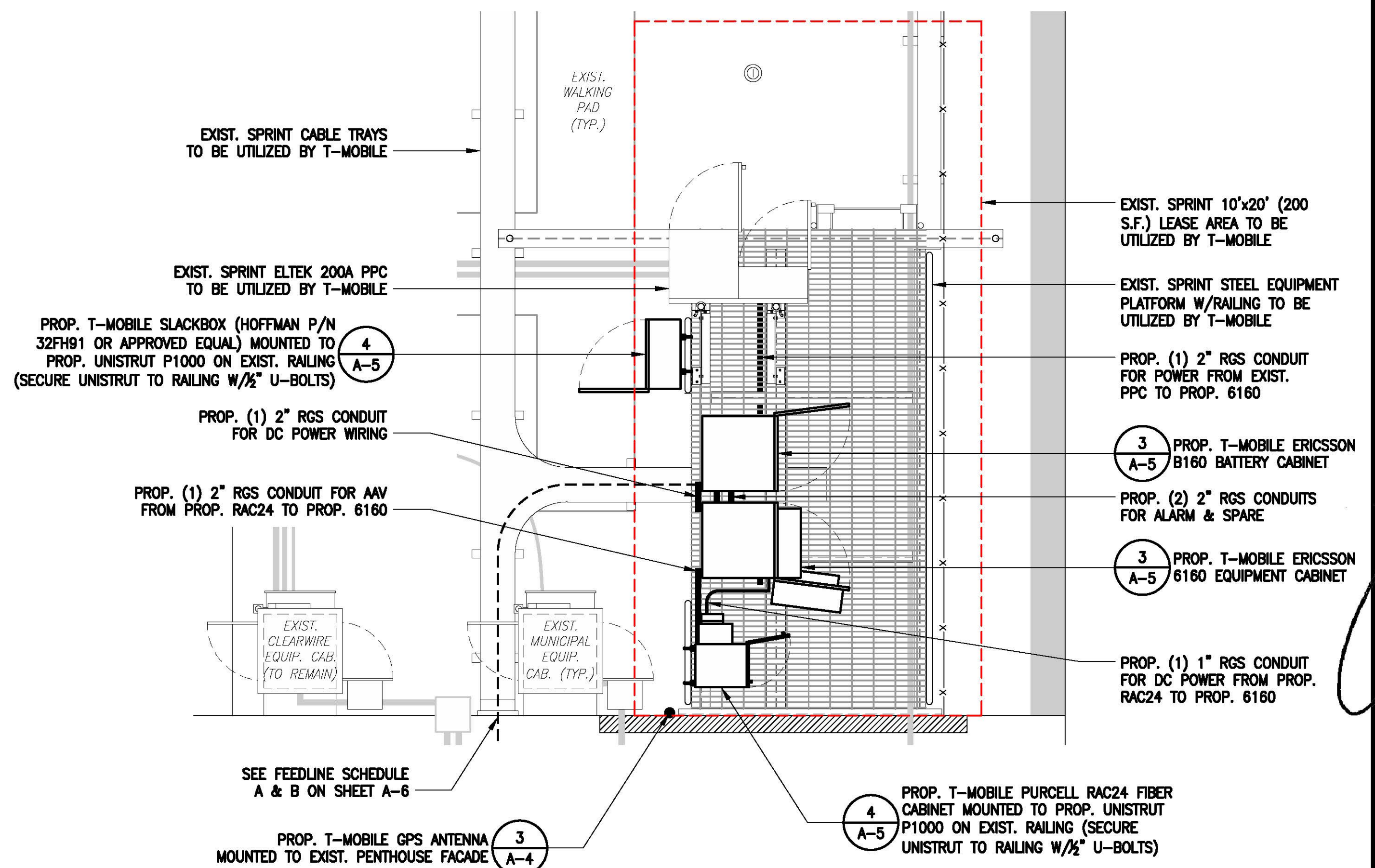
402 RINDGE AVENUE  
CAMBRIDGE, MA 02139

SHEET TITLE  
EQUIPMENT PLANS  
& DETAILS

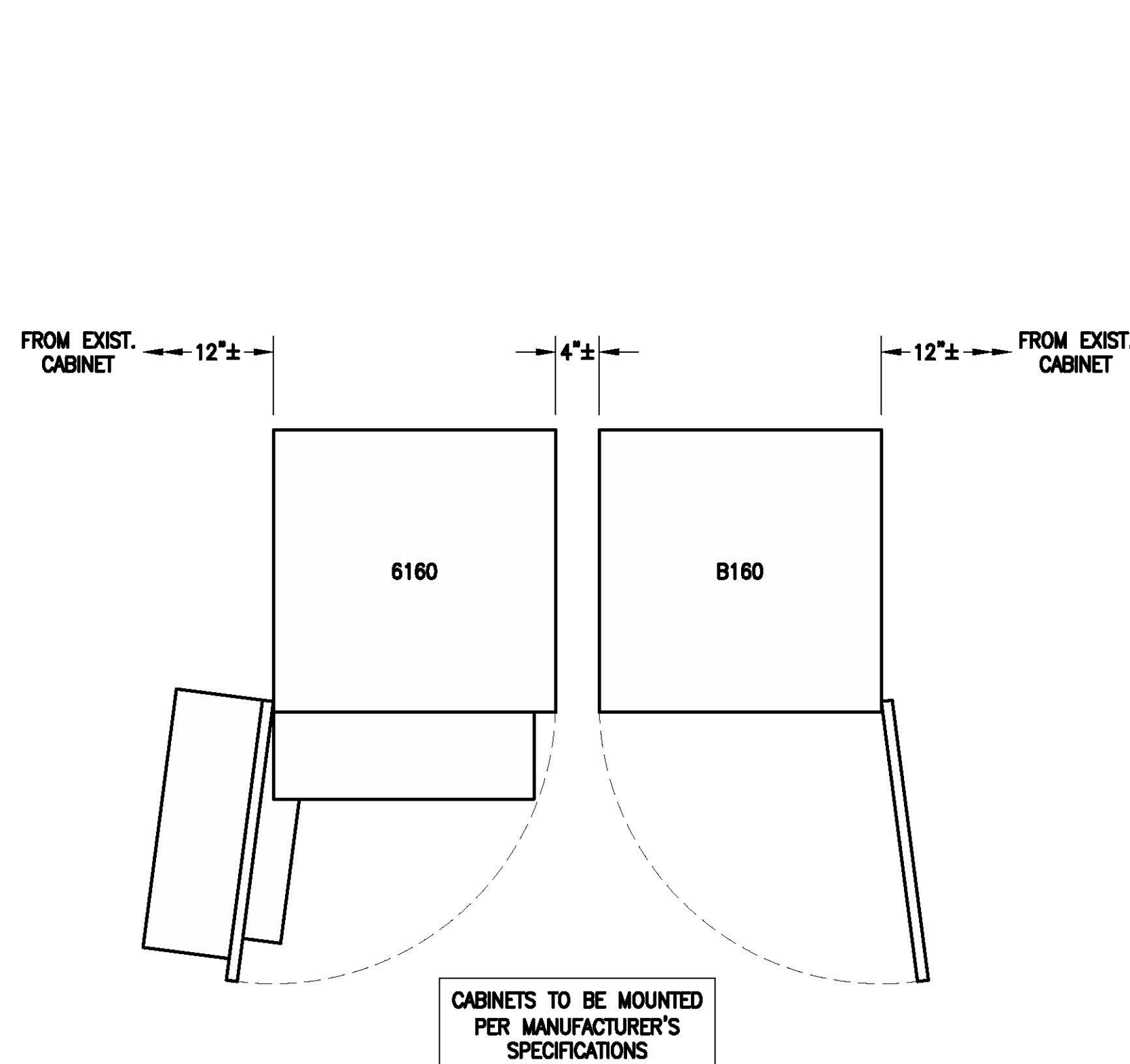
SHEET NUMBER  
A-5



EXIST. EQUIPMENT PLAN 1  
SCALE: N.T.S. A-5



PROP. EQUIPMENT PLAN 2  
SCALE: N.T.S. A-5



ERICSSON 6160 SITE SUPPORT CABINET  
DIMENSIONS: 63.25"H x 26.0"W x 34.0"D  
QUANTITY: TOTAL OF 1

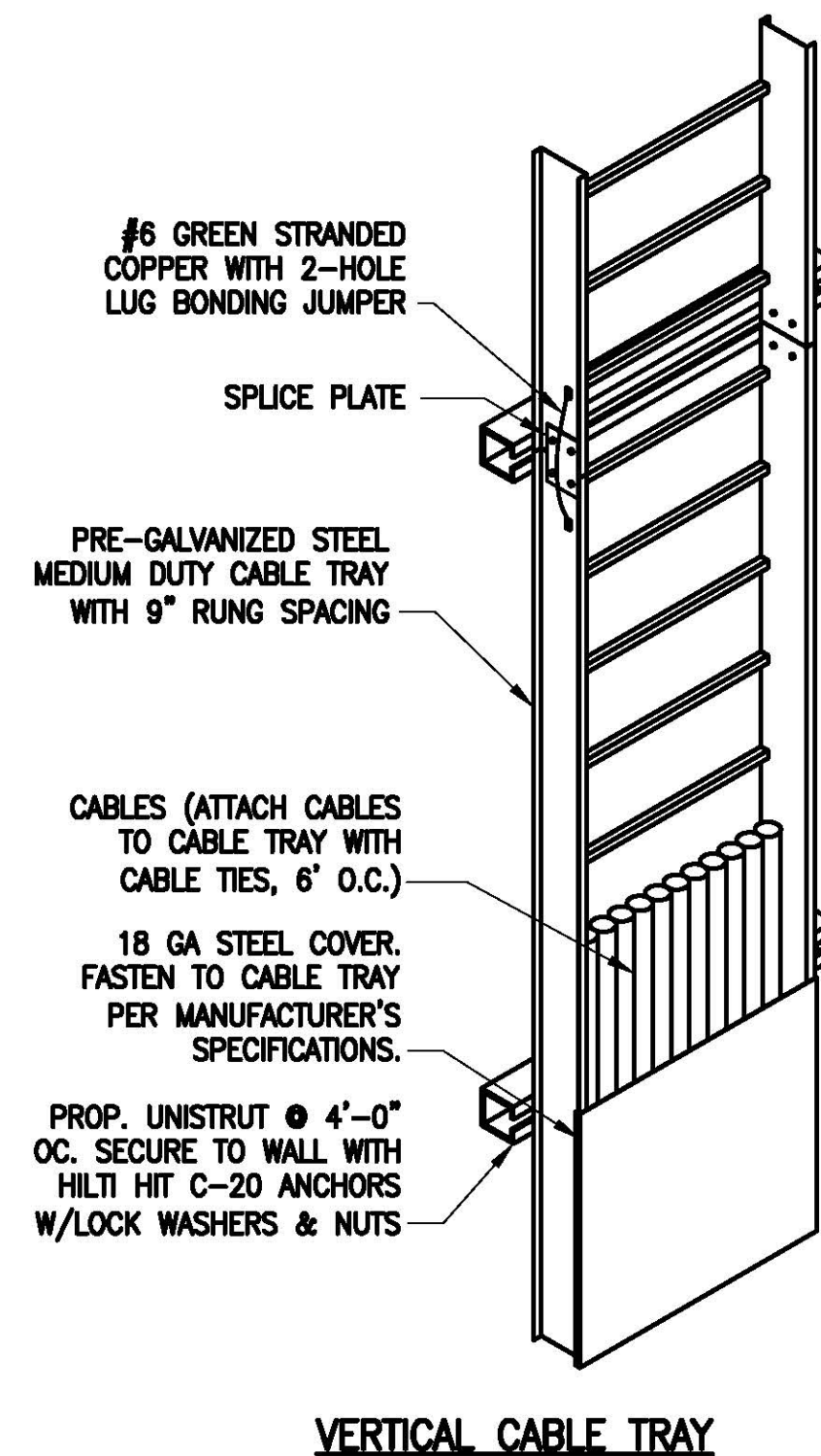
ERICSSON B160 BATTERY CABINET  
DIMENSIONS: 63.25"H x 26.0"W x 26.0"D  
QUANTITY: TOTAL OF 1



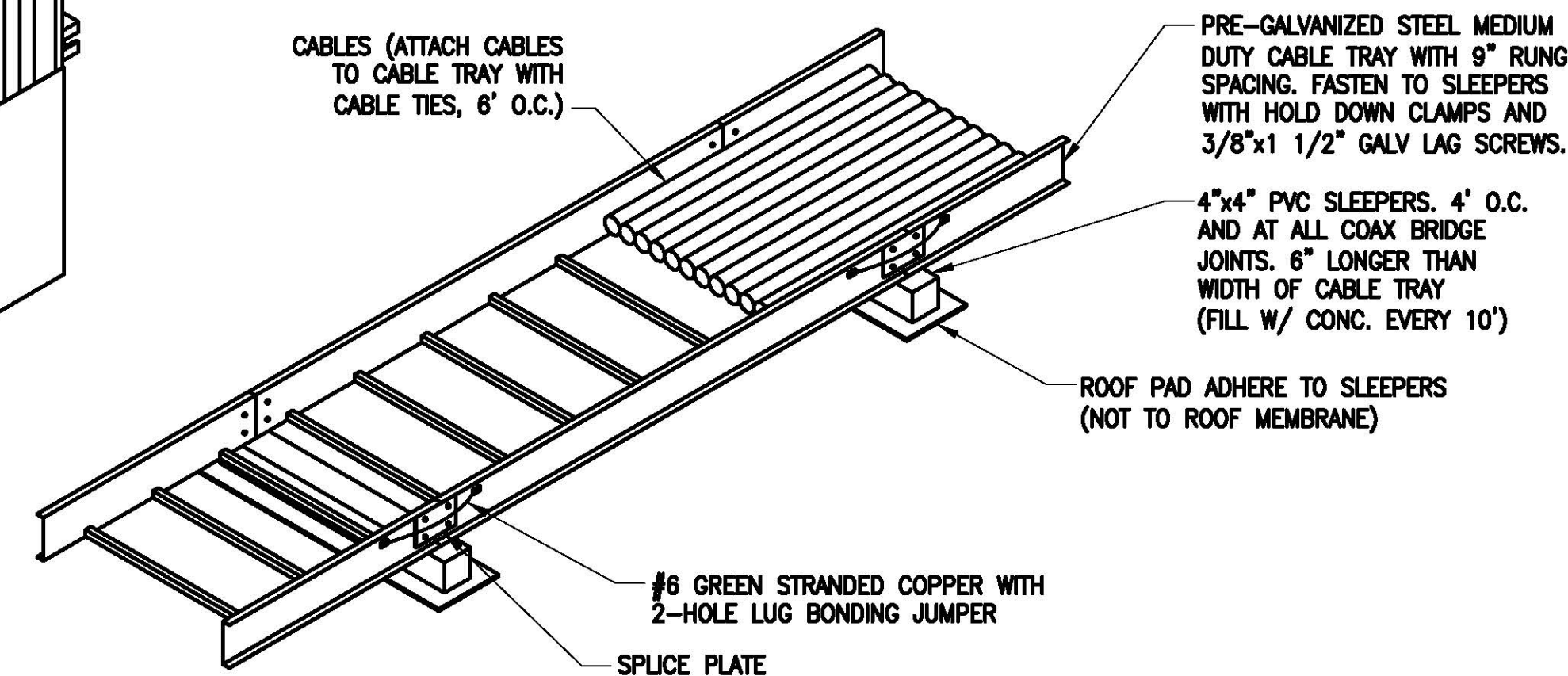
HOFFMAN 32FH91 NEMA 3R ENCLOSURE  
DIMENSIONS: 24.0"H x 24.0"W x 12.0"D  
QUANTITY: TOTAL OF 1



PURCELL SITE SUPPORT CABINET RAC24  
DIMENSIONS: 24.0"H x 15.7"W x 20.0"D  
QUANTITY: TOTAL OF 1



NUMBER OF COAXIAL CABLES	WIDTH OF CABLE TRAY	LOADING DEPTH OF CABLE TRAY
12	24"	4"
8	18"	4"
4	12"	4"
1-3	6"	4"



CABLE TRAY DETAIL 5  
SCALE: NOT TO SCALE A-5

EQUIPMENT DETAIL 3  
SCALE: N.T.S. A-5

SSC DETAIL 4  
SCALE: N.T.S. A-5

FINAL ANTENNA CONFIGURATION								
SECTOR	ANTENNA	RAD CENTER	AZIMUTH (TRUE NORTH)	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	BAND	TMA/RADIOS	CABLES
ALPHA	A1 RFS APXVAALL18_43-U-NA20	208'-9"± AGL	90°	4°	6°	L700/L600/N600	ERICSSON RADIO 4480 B71+B85	(P) (3) 2" (6x24) HCS FIBER CABLES
	A2 ERICSSON M-MIMO AIR6419 B41	208'-9"± AGL	90°	4°	4°	L2500/N2500	-	
	A3 RFS APXVLL19P_43-C-A20	208'-9"± AGL	90°	4°	4°	L2100/L1900/G1900	ERICSSON RADIO 4460 B25+B66	
BETA	B1 RFS APXVAALL18_43-U-NA20	197'-10"± AGL	180°	4°	6°	L700/L600/N600	ERICSSON RADIO 4480 B71+B85	
	B2 ERICSSON M-MIMO AIR6419 B41	197'-10"± AGL	180°	4°	4°	L2500/N2500	-	
	B3 RFS APXVLL19P_43-C-A20	197'-10"± AGL	180°	4°	4°	L2100/L1900/G1900	ERICSSON RADIO 4460 B25+B66	
GAMMA	G1 RFS APXVAALL18_43-U-NA20	208'-9"± AGL	270°	4°	6°	L700/L600/N600	ERICSSON RADIO 4480 B71+B85	
	G2 ERICSSON M-MIMO AIR6419 B41	208'-9"± AGL	270°	4°	4°	L2500/N2500	-	
	G3 RFS APXVLL19P_43-C-A20	208'-9"± AGL	270°	4°	4°	L2100/L1900/G1900	ERICSSON RADIO 4460 B25+B66	

CABLE NOTE: EXIST. (3) SPRINT HYBRID TRUNK CABLES & ALL INACTIVE CLEARWIRE COAX CABLES TO BE REMOVED. SEE FEEDLINE SCHEDULE A & B BELOW.

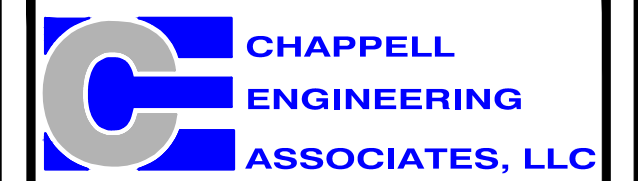
NOTE: RFDS REV1 - 02/10/22

FEEDLINE SCHEDULE		
SCHEDULE	FEEDLINES	LOCATION
A	<p>EXISTING TO REMAIN: NONE</p> <p>EXISTING TO BE REMOVED: (1) SPRINT 1/2" COAX CABLE FOR GPS ANTENNA (3) SPRINT HYBRID TRUNK CABLES ALL INACTIVE CLEARWIRE COAX CABLES</p>	ROUTED PER STRUCTURAL ANALYSIS
B	<p>PROPOSED: (1) 1/2" COAX CABLE FOR GPS ANTENNA (3) 2" (6x24) HCS FIBER CABLES</p>	

NOTE:  
EXISTING T-MOBILE EQUIPMENT FEEDLINE INVENTORY BASED ON OBSERVED FIELD CONDITIONS. RFDS AND FEEDLINE LEASING ENTITLEMENTS MAY DIFFER.

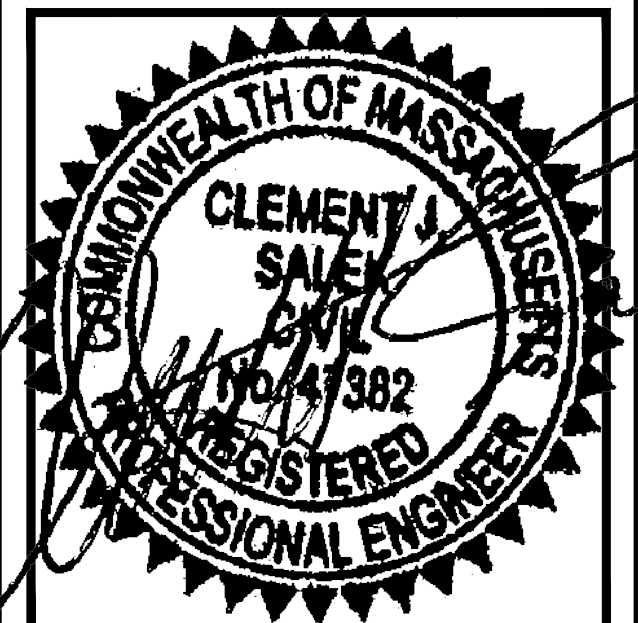
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DRAWN BY: CMC

CHECKED BY: JMT

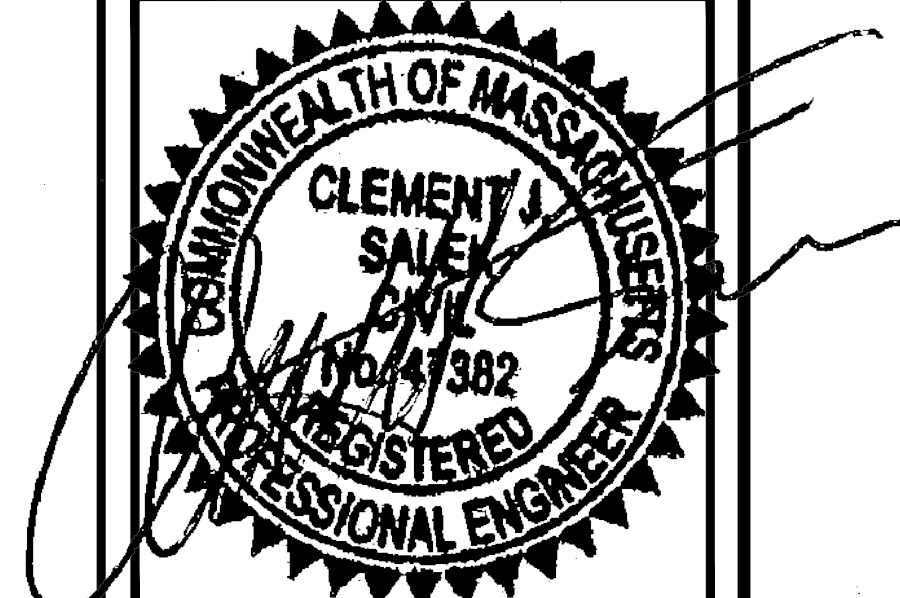
VERSION		
NO.	DATE	DESCRIPTION
1	02/11/22	CONSTRUCTION
0	02/01/22	CONSTRUCTION REVIEW

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4BSS006B/BS52XC006  
402 RINDGE AVE RT  
402 RINDGE AVENUE  
CAMBRIDGE, MA 02139

SHEET TITLE  
ANTENNA & FEEDLINE CHARTS

SHEET NUMBER  
A-6



APPROVALS

STRUCTURE OWNER \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

PROJECT NO: 4BSS006B

DRAWN BY: CMC

CHECKED BY: JMT

VERSION

1	02/11/22	CONSTRUCTION
0	02/01/22	CONSTRUCTION REVIEW

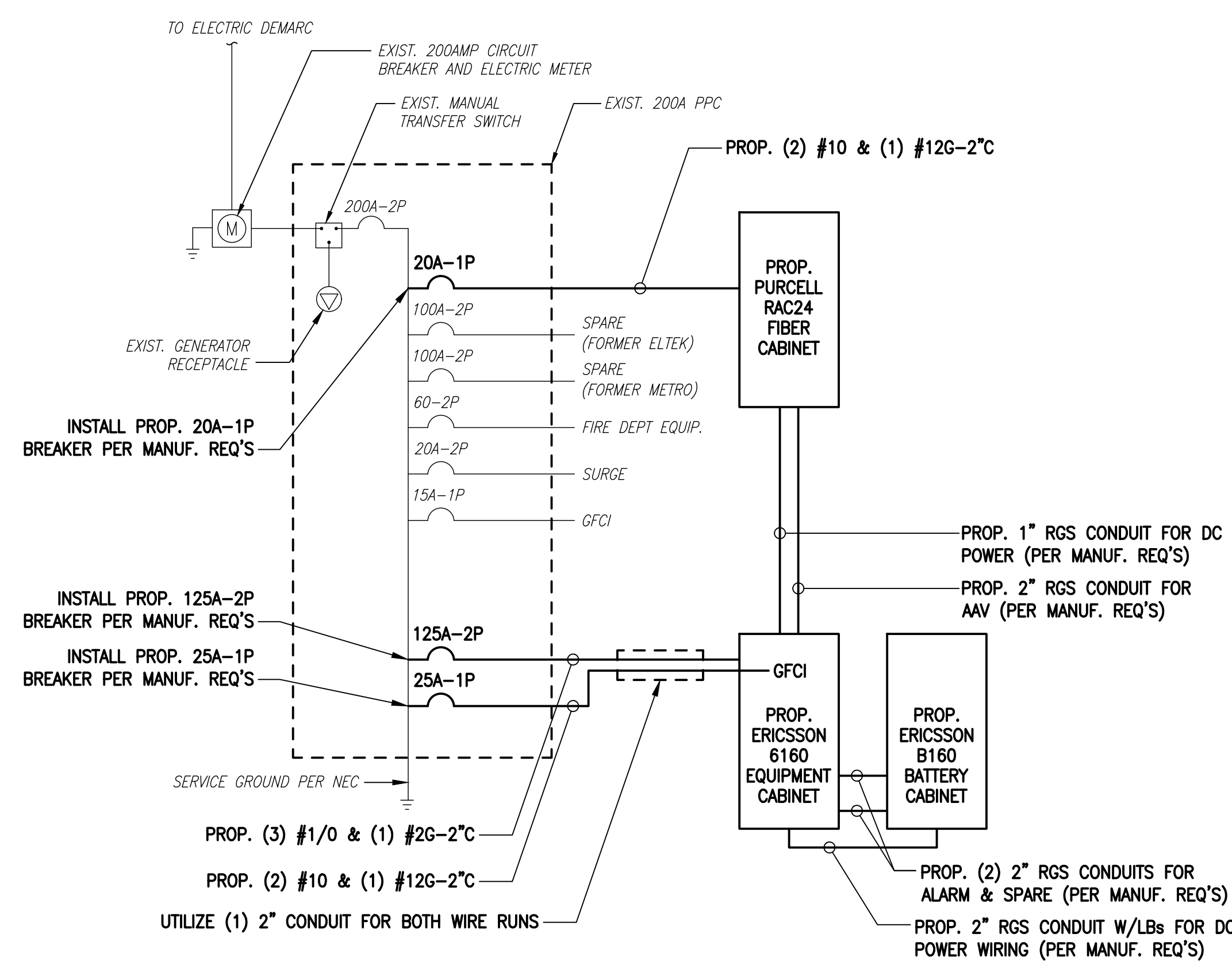
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4BSS006B/BS52XC006  
402 RINDGE AVE RT  
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CAMBRIDGE, MA 02139

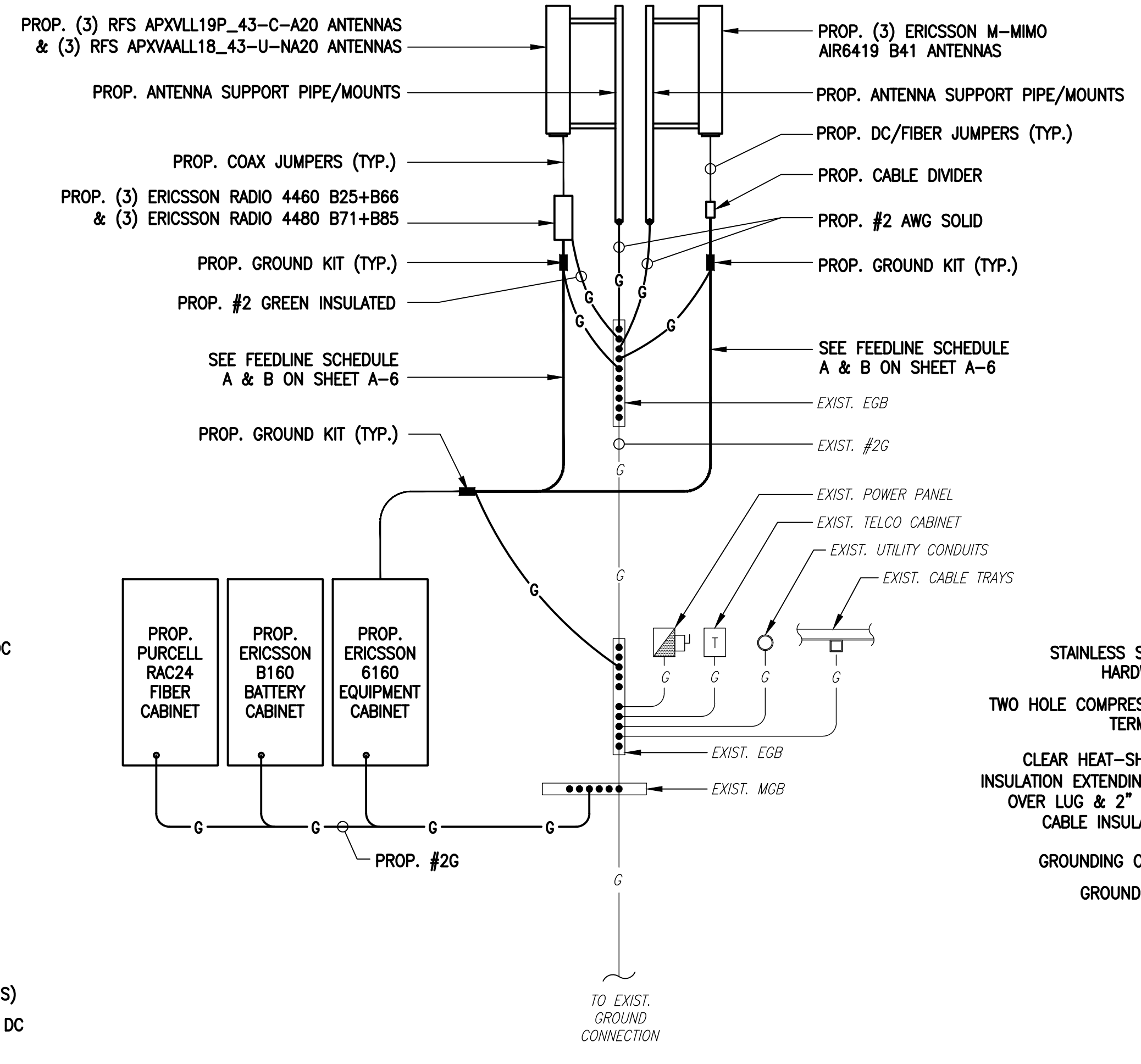
SHEET TITLE  
ELECTRIC & GROUNDING DETAILS

SHEET NUMBER  
E-1

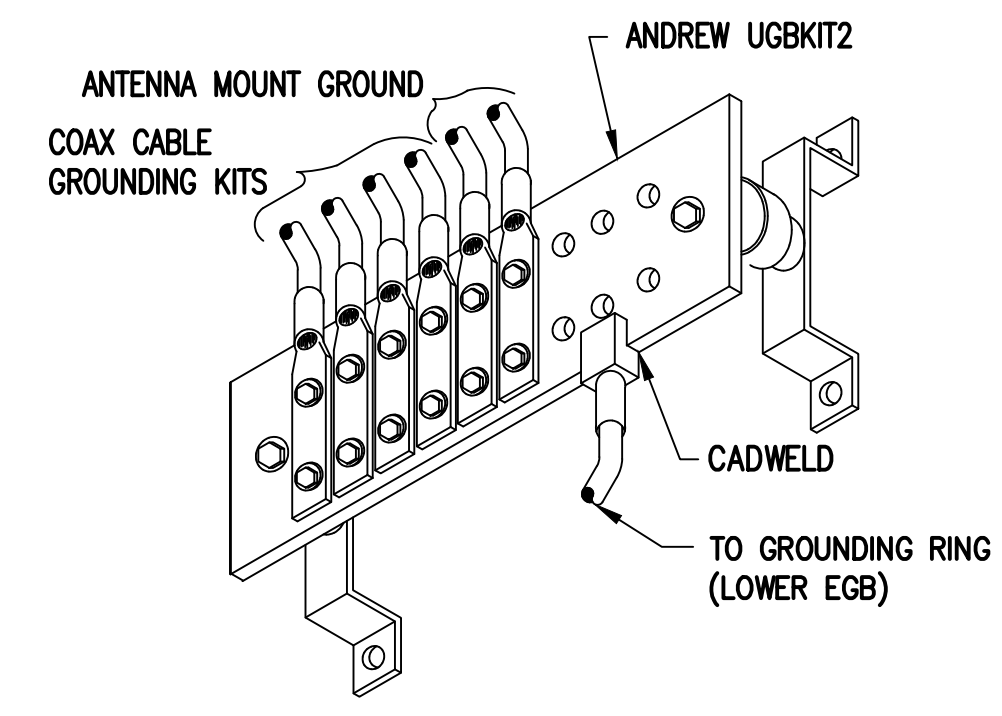
NOTE:  
EXISTING ELECTRIC TO BE BROUGHT UP TO NEC CODE.



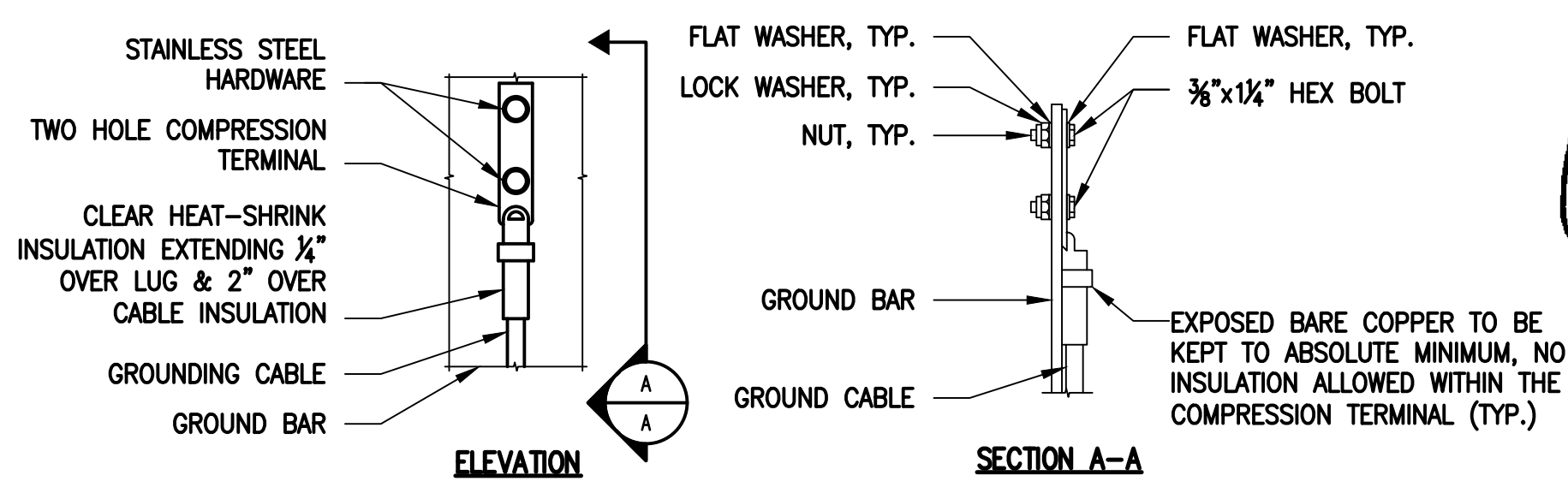
ONE LINE DIAGRAM  
SCALE: NOT TO SCALE



GROUNDING RISER DIAGRAM  
SCALE: NOT TO SCALE

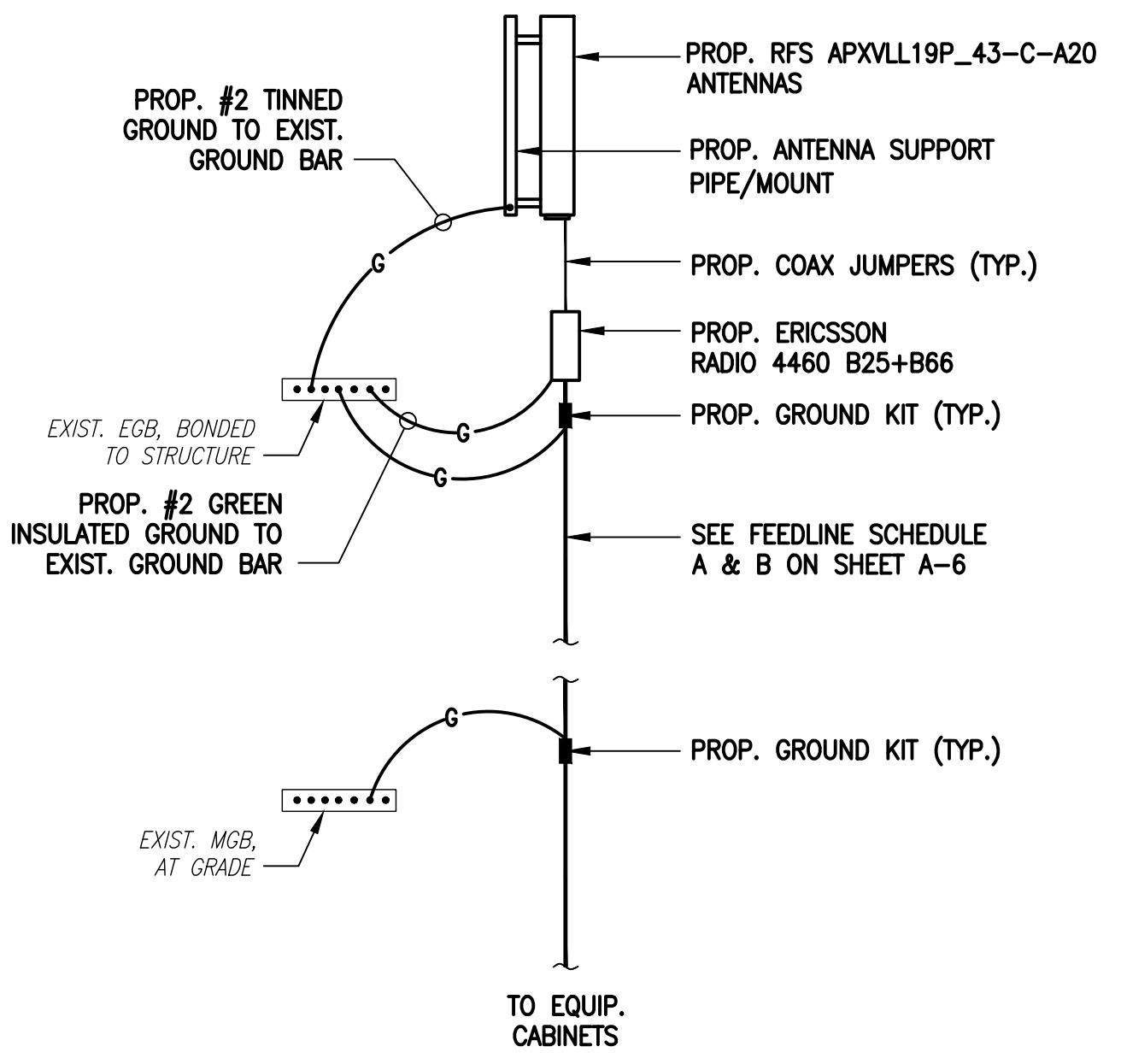


GROUND BAR (EGB)  
SCALE: NOT TO SCALE

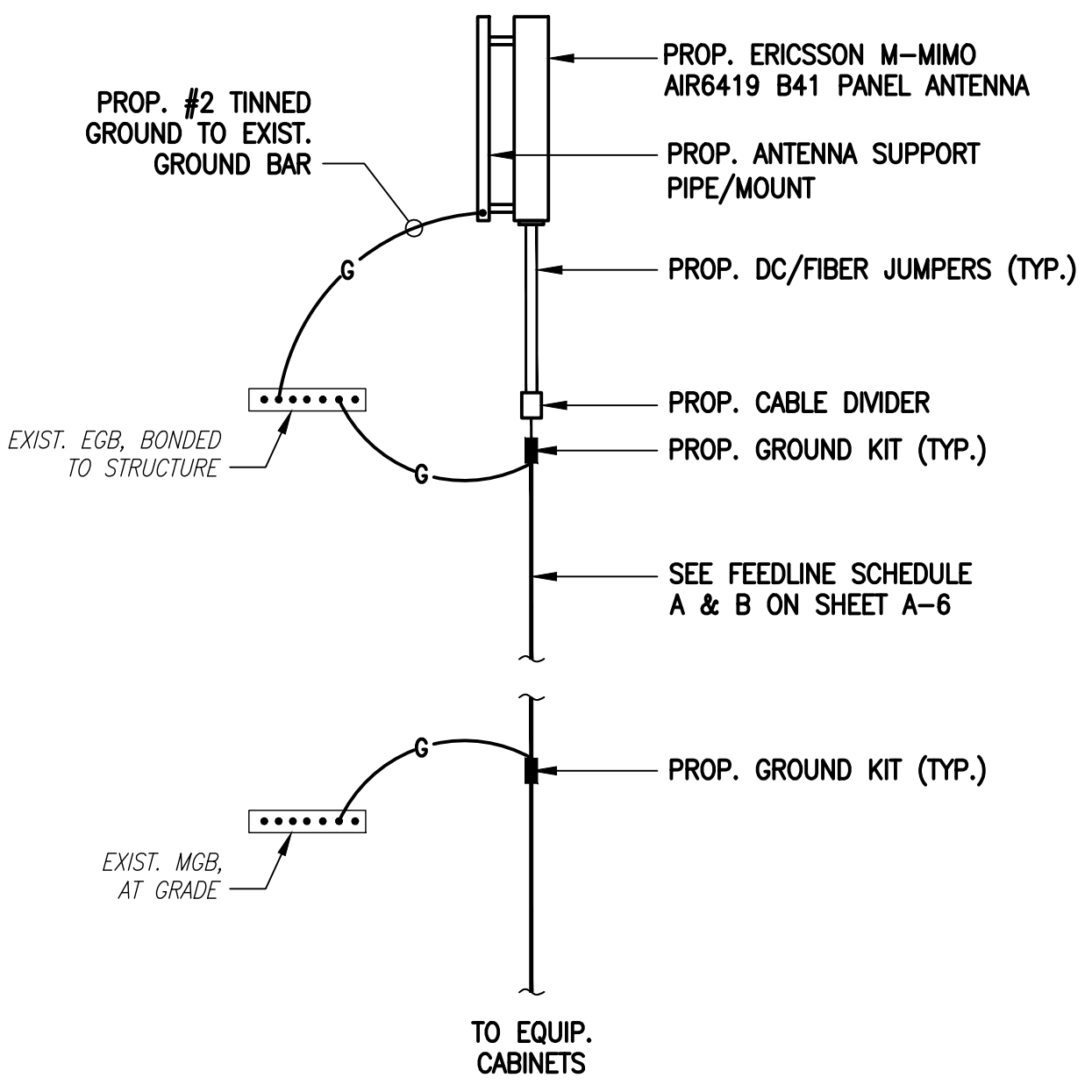


- NOTES:
- "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
  - OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
  - CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB AND MGB.

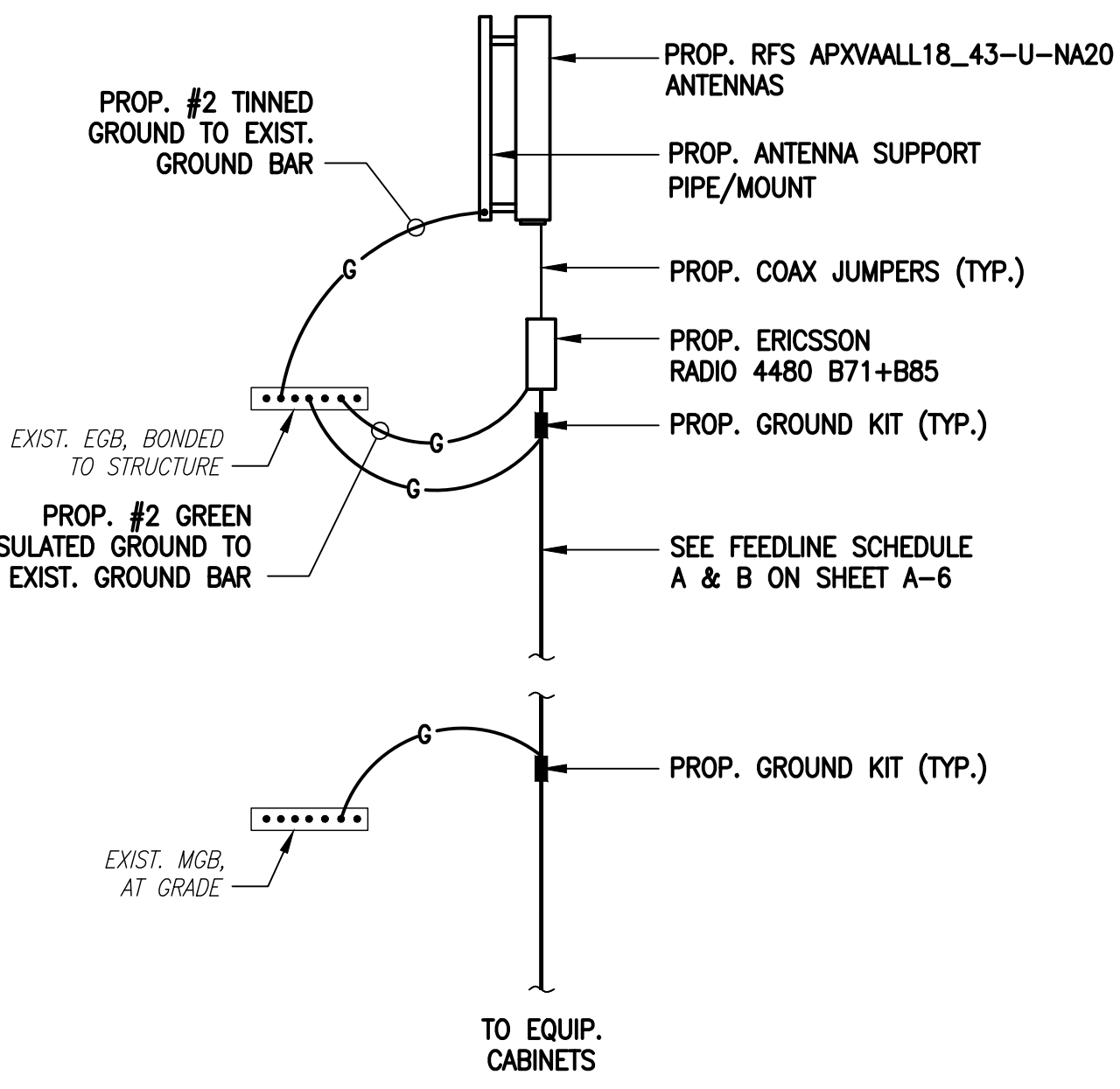
TYPICAL GROUND BAR CONNECTIONS DETAIL  
SCALE: NOT TO SCALE



L2100/L1900/G1900  
ANTENNA



L2500/N2500  
ANTENNA



L700/L600/N600  
ANTENNA

COAX CABLE CONNECTION AND GROUNDING DETAIL  
SCALE: NOT TO SCALE

ELECTRICAL AND GROUNDING NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- BURIED CONDUIT SHALL BE SCHEDULE 40 PVC.
- ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THININSULATION.
- RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE PPC AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY.
- RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE TELCO CABINET AND BITS CABINET AS INDICATED ON THIS DRAWING PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT MEASURING TAPE AT EACH END.
- WHERE CONDUIT BETWEEN BITS AND PROJECT OWNER CELL SITE PPC AND BETWEEN BITS AND PROJECT OWNER CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND USE PVC, SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE PVC CONDUIT.
- ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
- PPC SUPPLIED BY PROJECT OWNER.
- GROUNDING SHALL COMPLY WITH NEC ART. 250. ADDITIONALLY, GROUNDING, BONDING AND LIGHTNING PROTECTION SHALL BE DONE IN ACCORDANCE WITH T-MOBILE BITS SITE GROUNDING STANDARDS.
- GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
- USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 6 FEET OF PROJECT OWNER EQUIPMENT OR CABINET TO MASTER GROUND BAR OR GROUNDING RING.
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
- CONTRACTOR SHALL PROVIDE AND INSTALL OMNI DIRECTIONAL ELECTRONIC MARKER SYSTEM (EMS) BALLS OVER EACH GROUND ROD AND BONDING POINT BETWEEN EXIST. TOWER/ MONOPOLE GROUNDING RING AND EQUIPMENT GROUNDING RING.
- CONTRACTOR SHALL TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION. 5 OHMS MINIMUM RESISTANCE REQUIRED.
- CONTRACTOR SHALL CONDUCT ANTENNA, COAX, AND LNA RETURN-LOSS AND DISTANCE- TO-FAULT MEASUREMENTS (SWEEP TESTS) AND RECORD RESULTS FOR PROJECT CLOSE OUT.



**PHOTO SIMULATIONS**

**SITE NAME: 4BSS006B/BS52XC006  
402 RINDGE AVE RT**

**PROJECT TYPE: SPRINT RETAIN – 67E5D998E 6160**

Address:

**402 RINDGE AVENUE  
CAMBRIDGE, MA 02139**

Date:

**OCTOBER 4, 2022  
(REVISION #0)**

Prepared by:



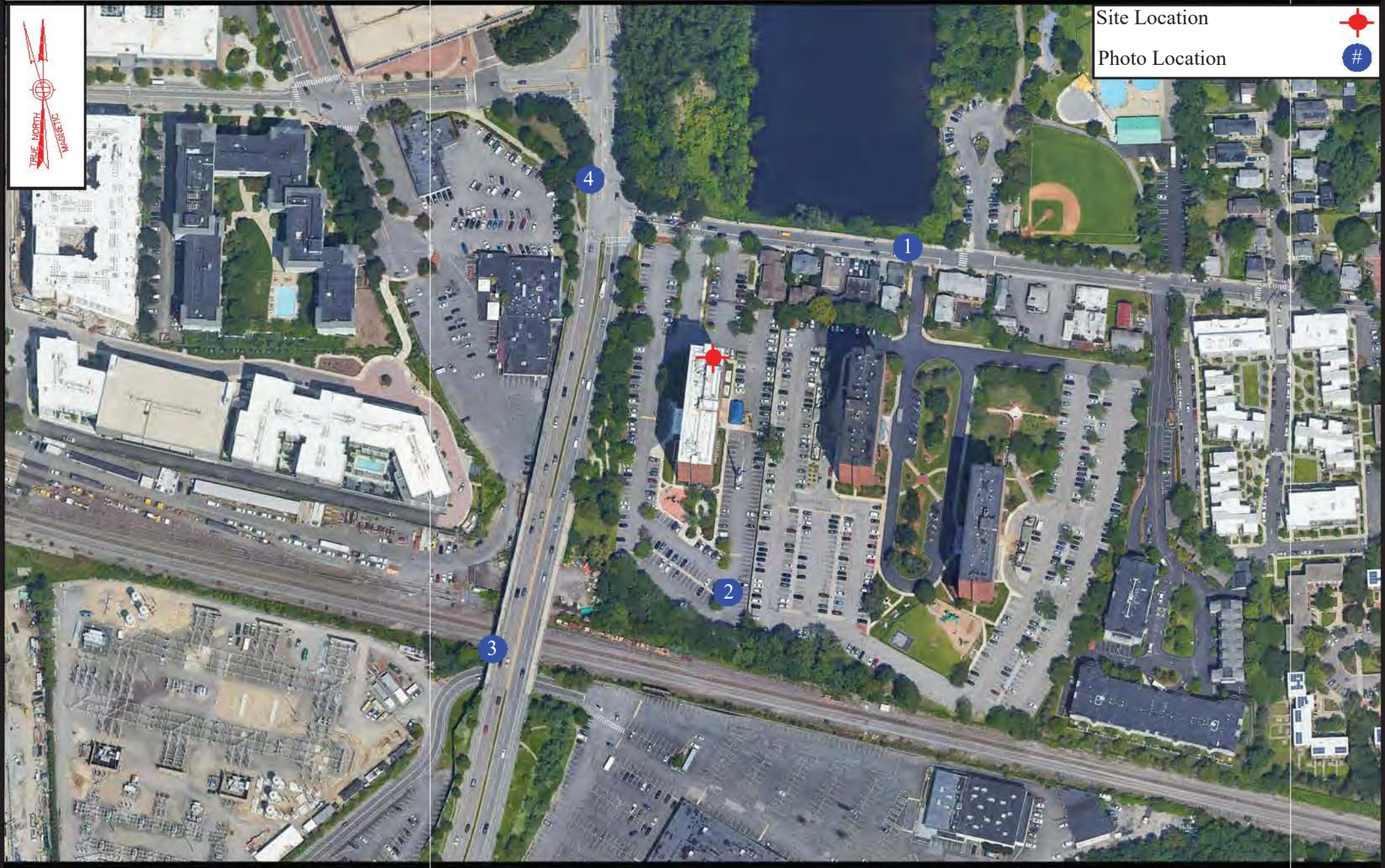
R.K. Executive Centre ■ 201 Boston Post Road West ■ Suite 101 ■ Marlborough, MA 01752

t. 508.481.7400 ■ [www.chappellengineering.com](http://www.chappellengineering.com) ■ f. 508.481.7406

# PHOTO LOCATION MAP



Site Location  
Photo Location



**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue  
Cambridge, MA 02139



# EXISTING CONDITIONS - PHOTO LOCATION 1



**T** · Mobile ·

**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139  
Photo Taken 370' +/- Northeast of Building

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# PROPOSED CONDITIONS - PHOTO LOCATION 1



**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139

Photo Simulation from 370' +/- Northeast of Building

**T** · Mobile ·

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# EXISTING CONDITIONS - PHOTO LOCATION 2



**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139  
Photo Taken 210' +/- Southeast of Building

**T** · Mobile ·

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# PROPOSED CONDITIONS - PHOTO LOCATION 2



**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139

Photo Simulation from 210' +/- Southeast of Building

**T** · Mobile ·

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# EXISTING CONDITIONS - PHOTO LOCATION 3



**T** · Mobile ·

**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139  
Photo Taken 410' +/- Southwest of Building

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# PROPOSED CONDITIONS - PHOTO LOCATION 3



**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139

Photo Simulation from 410' +/- Southwest of Building

**T** · Mobile ·

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# EXISTING CONDITIONS - PHOTO LOCATION 4



**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139  
Photo Taken 350' +/- Northwest of Building

**T** · Mobile ·

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# PROPOSED CONDITIONS - PHOTO LOCATION 4



**T** · Mobile ·

**4BSS006B/BS52XC006**

**402 Rindge Ave RT**

402 Rindge Avenue, Cambridge, MA 02139

Photo Simulation from 350' +/- Northwest of Building

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February 20, 2022

City of Cambridge  
Board of Zoning Appeals  
831 Massachusetts Avenue  
Cambridge, MA 02139

Re: Eligible Facilities Request pursuant to Section 6409 of the Spectrum Act and an Application for Special Permit, in the Alternative

Property Address: 402 Rindge Avenue, Cambridge, MA 02139  
Assessor's Map 268B, Lot 45 (the "**Property**")

Applicant: T-Mobile Northeast, LLC ("**Applicant**")

Dear Honorable Members of the Board of Zoning Appeals:

This firm represents T-Mobile Northeast LLC in connection with an application for a special permit from the City of Cambridge Board of Zoning Appeals (the "**Board**"), to modify an existing wireless communications facility on the Property. The Property is located in the Residence C2 Zoning District (the "**Residence C2**"). To the extent that the Board determines that the requirements of Article 4 Section 4.32G.1 of the City of Cambridge Zoning Ordinance (the "**Ordinance**") apply, the use of the Property for a wireless telecommunications facility is permitted by special permit from the Board<sup>1</sup>. The Applicant's proposal satisfies the requirements for the grant of a special permit pursuant to Section 10-43 of the Ordinance.

The Applicant's Proposed Facility (as defined herein) is subject to Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, more commonly known as the "Spectrum Act" (47 U.S.C. § 1455). As such, we respectfully submit that in the event that the Board determines that the application does not comply with the Spectrum Act, the Applicant hereby states that the special permit requirements set forth in the Ordinance are hereby met by the Applicant, and that relief must be granted to the Applicant. Compliance with the Spectrum Act is

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<sup>1</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

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One International Place  
Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100



shown on the Eligible Facilities Request permit application form attached hereto and incorporated herein by reference (the “**EFR**”).

The Applicant seeks to modify its existing wireless communications facility by replacing the existing antennas with new antennas, replacing existing Remote Radio Units (“**RRUs**”) with new Remote Radio Heads (the “**RRHs**”) and modifying existing ancillary equipment (the “**Proposed Facility**”). The Applicant’s Proposed Facility is described in more detail below and is shown on the Plans attached hereto and incorporated herein by reference (the “**Plans**”).

## **I. Background**

The Applicant is licensed by the Federal Communications Commission (the “**FCC**”) to construct and operate a wireless telecommunications network in various markets throughout the country, including the Commonwealth of Massachusetts and in particular in the City of Cambridge. A copy of the Applicant’s FCC license is attached hereto. The Applicant is in the process of designing and constructing a telecommunications system to serve all of the Commonwealth of Massachusetts. One of the key design objectives of its systems is to provide seamless coverage. Such a system requires a grid of radio transmitting and receiving links located approximately .5 to 2 miles apart, depending on the location of existing and proposed installations in the surrounding area, the existing use of the network and the existing topography. The radio transmitting and receiving facilities operate on a line-of-sight basis, requiring a clear path from the facility to the user on the ground. This dynamic requires the antennas to be located in a location where the signal is not obstructed or degraded by other buildings or by topographical features such as hills.

## **II. Project Description**

The Applicant’s existing facility consists of three (3) sectors (Alpha, Beta and Gamma) totaling six (6) panel antennas and six (6) RRUs, all installed on the façade of the building at a maximum height of 214-feet. The Applicant proposes to modify its existing facility by replacing the existing six (6) panel antennas with nine (9) new like-kind panel antennas, as well as replacing the six (6) RRUs with six (6) new like kind RRHs. The Gamma sector antennas will be located in the same location as the existing Gamma antennas. The Alpha Sector antennas will be shifted to where the Beta antennas are currently installed, and the Beta Sector antennas will be shifted to south

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facing façade of the Building, at the same elevations of the existing antennas. All of the new antennas will be painted to match the color of the façade of the Building. Consequently, the visual change to the Applicant’s existing facility will be de minimus.

The Applicant’s proposal is consistent with the previous decisions of the Board for this facility, the first of which is dated September 11, 2009 (Case No. 9698) (the “**Original Decision**”) and a second dated May 2, 2019 (BZA-017074-2019) (the “**2nd Decision**”) (the Original Decision and 2<sup>nd</sup> Decision shall hereafter be referred to as the “**Decisions**”).

After installation, the Proposed Facility will be unmanned and will only require twice a month maintenance visits per carrier. The only utilities required to operate this Proposed Facility are standard 120-volt electrical power as well as telephone service. These are presently in place at the Property. The traffic generated by the Proposed Facility will be approximately two vehicle trips per month by maintenance personnel who will inspect the Proposed Facility to ensure it remains in good working order. The Proposed Facility will comply with all applicable local, state and federal safety codes

### **III. Legal Arguments**

#### **A. The Applicant complies with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance**

Pursuant to Section 4.32(g) of the Ordinance, the Applicant’s proposed use for a wireless communications facility in the Residence C2 is permitted by special permit. The Applicant’s Proposed Facility further complies with the provisions set forth in Section 4.32(g), footnote 49 of the Ordinance:

- 1. The Board of Zoning Appeal shall consider the scope of, or limitations imposed by any license secured from any state or federal agency having jurisdiction over such matters.**

Enclosed herewith is the Applicant’s FCC license. The Applicant meets all requirements imposed by governmental authorities having jurisdiction over the Proposed Facility, including by the FCC, to provide wireless communications in this market area.

The intent of the U.S. Congress, when it enacted the Telecommunications Act

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of 1996 (“TCA”) was to institute a framework to promote competition and innovation within the telecommunications industry. Under its license from the FCC, T-Mobile is obligated to provide a reliable “product” (i.e. wireless communications service) to the population of the City of Cambridge. Likewise, consumer expectations for increasingly robust and reliable service requires competing service providers (including T-Mobile) to identify and remedy existing gaps in reliable network coverage, or gaps that result from increasing subscriber voice and data traffic beyond the limits of existing network infrastructure. A carrier’s failure to remedy network gaps in a timely fashion can result in a significant loss of subscribers to competing telecommunications carriers. The Proposed Facility and corresponding relief requested are necessary to remedy a gap in reliable service coverage within T-Mobile’s existing network infrastructure.

T-Mobile investigated alternative sites in and around the defined geographic area within which its engineers determined that a facility must be located to fill the gap in service coverage and to function effectively within its network of existing and planned facilities. This is an existing location that is being upgraded with new technology to provide the necessary coverage to the subject area of the City of Cambridge. Therefore, the Proposed Facility in the Residence C3 District is necessary to close the coverage gap that is illustrated on the propagation maps submitted herewith. Consequently, T-Mobile is unable to close a gap in its wireless network without obtaining the requested relief under Section 6409 of the Spectrum act or a Special Permit to modify its existing wireless facility in the Residence C3 District.

Furthermore, Section 6409(a) of the Spectrum Act mandates that state and local governments “*may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.*” Under Section 6409(a)(2)(A)-(C) an Eligible Facilities Request is any request to modify a Tower or Base Station that involves “collocations of new Transmission Equipment,” “removal,” or “replacement” of Transmission Equipment.

Because federal law now preempts many of the permit application requirements that this jurisdiction would previously have required from an Applicant, we have provided, on the attached EFR, only the information that federal law allows this jurisdiction to consider when reviewing an EFR. As such, we submit that the Wireless Communications set forth in Section 4.32(g), footnote 49 of the Ordinance, provisions are not applicable to Proposed Facility and relief must be granted pursuant to Section 6409(a) of the Spectrum Act.

**2. The Board of Zoning Appeal shall consider the extent to which the visual impact of the various elements of the**

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**proposed facility is minimized: (1) through the use of existing mechanical elements on the building's roof or other features of the building as support and background, (2) through the use in materials that in texture and color blend with the materials to which the facilities are attached, or (3) other effective means to reduce the visual impact of the facility on the site.**

The Applicant's Proposed Facility will have no additional visual impact on the existing facility and Building. The Proposed Facility will be installed on the facade of the Building in the same location as the Existing Facility, and in conformity with the Decisions.

As stated above, federal law now preempts many of the permit applications requirements that the Ordinance sets forth. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with the Wireless Communications provisions set forth in Section 4.32(g), footnote 49 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

- 3. Where it is proposed to erect such a facility in any residential zoning district, the extent to which there is a demonstrated public need for the facility at the proposed locations, the existence of alternative, functionally suitable sites in nonresidential locations, the character of the prevailing uses in the area, and the prevalence of other existing mechanical systems and equipment carried on or above the roof of nearby structures. The Board of Zoning Appeal shall grant a special permit to erect such a facility in a residential zoning district only upon a finding that nonresidential uses predominate in the vicinity of the proposed facility's location and that the telecommunications facility is not inconsistent with the character that does prevail in the surrounding neighborhood.**

The Proposed Facility is located in the Residential C2 Zoning District but nonresidential uses predominate in the area. Pursuant to the requirement that the Board shall grant a special permit to erect a Telecommunications Facility only upon a finding that non-residential uses predominate in the vicinity of the proposed facility's location the Applicant hereby states that this is a modification of an existing wireless facility and as such respectfully submits to the Board that it has previously found that nonresidential uses predominate in the vicinity of this Proposed Facility. The Board has reached a decision to grant a special permit for the Applicant's Existing Facility the previous Decisions. As such, the Applicant respectfully

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requests that, in keeping with its prior decisions, the Board find that nonresidential uses predominate in the vicinity of the Proposed Facility and that the Proposed Facility is not inconsistent with the character that does prevail in the surrounding neighborhood.

Further, notwithstanding anything contained herein to the contrary, and in agreement with the aforementioned predominately nonresidential use finding, upon an inspection of the vicinity of the Proposed Facility the Applicant respectfully submits that said finding is reasonable as the character of the surrounding neighborhood consists of nonresidential uses such as, the Summer Shack Seafood Restaurant at 149 Alewife Brook Parkway, the Light of Life Church at 153 Alewife Brook Parkway, the Alewife Brook Parkway which is a major thoroughfare in Cambridge, and the Alewife train station and tracks.

Moreover, the proposed changes to the Existing Facility are de minimis and therefore, the Proposed Facility is not inconsistent with the character that does prevail in the surrounding neighborhood. Finally, as noted above, the proposed installation is a modification to the Applicant's Facility and as such is the preferred location for additional equipment, pursuant to the TCA, as referenced above.

**B. The Applicant complies with the Special Permit Criteria set forth in Section 10-43 of the Ordinance<sup>2</sup>:**

**1. The requirements of the Ordinance can be met:**

As provided above, the Applicant has met the requirements set forth in Section 4.32(g), footnote 49 of the Ordinance.

**2. Traffic generated or patterns of access or egress would not cause congestion hazard, or substantial change in established neighborhood character for the following reasons:**

---

<sup>2</sup> Pursuant to Section 6409(a) of the Spectrum Act, state and local governments "may not deny and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." As such, the Applicant submits that they need not apply for a special permit from the board. To the extent that this Board determines that the Applicants' proposed wireless facility must comply with special permit requirements set forth in Section 10-43 of the Ordinance, the Applicants submit that they have complied with said requirements, without waiving the argument that such relief is not required.

The proposed installation will not obstruct existing rights-of-way or pedestrian access and will not change the daily conditions of access, egress, traffic, congestion hazard, or character of the neighborhood. The installation will not require the addition of any new parking or loading spaces. The use is passive and will not change the current conditions or appearance surrounding the Building. The facility will not produce any odors, fumes, noise or waste. There will be no need for water, sewer, or other municipal services.

As mentioned above, once modified, the facility will be unmanned and will only require infrequent visits by a technician, typically two times per month for routine diagnostics and/or maintenance, except in cases of emergency. These infrequent visits will not result in any material increase in traffic or disruption to patterns of access or egress that will cause congestion hazards or cause a substantial change in the established neighborhood character. The Applicant's maintenance personnel will make use of the existing access roads and parking at the Building.

**3. The continued operation of or the development of adjacent uses as permitted in the Zoning Ordinance would not be adversely affected by the nature of the proposed use for the following reasons:**

As described above and illustrated on the attached photograph simulations, the modification of the existing facility will produce a minimal change in the appearance of the Building. The modification of the existing facility will blend with the existing characteristics of the Building and the surrounding neighborhood. Moreover, the proposed installation will not generate any traffic, smoke, dust, heat, glare, discharge of noxious substances, nor will it pollute waterways or groundwater. Conversely, the surrounding properties and general public will benefit from the potential to enjoy improved wireless communication.

**3. Nuisance or hazard would not be created to the detriment of the health, safety, and/or welfare of the occupant of the proposed use or the citizens of the City for the following reasons:**

The operations of the proposed telecommunications facility will not adversely impact the health, safety, and the welfare of the residents of the City of Cambridge. On the contrary, the proposed use will benefit the City and promote the safety and welfare of its residents, businesses and drivers by providing reliable state-of-the-art digital wireless voice and data services. Further, the site will improve the reliability of emergency communications with the police and fire departments by eliminating dropped or blocked calls due to inadequate signal strength or insufficient network capacity to handle call volume, particularly important during emergency situations.

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The Proposed Facility will comply with all federal, state and local safety requirements including the standards established by the FCC, Federal Aviation Administration (FAA), the American Standards Institute (ANSI), and the Massachusetts Department of Public Health (MDPH).

Accordingly, the Proposed Facility will not adversely impact the health, safety and/or welfare of the neighborhood or the residents of the City of Cambridge.

**5. For other reasons, the proposed installation will not impair the integrity of the district or adjoining district or otherwise derogate from the intent or purpose of this ordinance for the following reasons:**

The Proposed Facility is designed to blend with the existing characteristics of the Property, reducing any visual impacts to the surrounding area. Accordingly, the Proposed Facility's design results in a minimal impact on the underlying and adjacent zoning district and is consistent with the Ordinance's intention to allow for less intrusive wireless telecommunications facilities in all districts (other than Open Space), including the Residence C3 District.

As mentioned above, the proposed modifications to the existing installation will not generate any traffic, smoke, dust, heat, glare, discharge, or noxious substances, nor will it pollute waterways or groundwater.

**6. The new use of the building construction is consistent with the Urban Design Objective set forth in Section 19.30 of the Ordinance:**

Not Applicable. The Applicant is not proposing to construct a new building or structure.

**IV. Summary**

The Applicant hereby requests that the Board determine that the City of Cambridge has the right to authorize the construction of the Proposed Facility through the issuance of a Building Permit, pursuant to Section 6409(a) of the Spectrum Act. Or, in the alternative, its proposed modifications to the existing telecommunications facility will not have any adverse effect on the neighborhood within which the Property is located in particular, and the City of Cambridge as a whole. The findings are made in view of the particular characteristics of the Property

Prince Lobel Tye LLP  
One International Place  
Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100

and of the Applicant's proposed siting and equipment, as detailed above. This Property is the most appropriate location for the installation and operation of the wireless communications facility.

For the foregoing reasons the Applicant respectfully requests that the Board grant the foregoing relief pursuant to Section 6409(a) of the Spectrum Act or, in the alternative, zoning relief in the form of a Special Permit and such other relief as the Board deems necessary to allow the installation and operation of the Applicant's Proposed Facility.

Sincerely,



Adam F. Braillard  
Direct: 617-456-8153  
Email: [abraillard@princelobel.com](mailto:abraillard@princelobel.com)

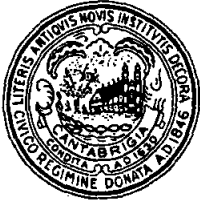
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# City of Cambridge

MASSACHUSETTS

## BOARD OF ZONING APPEAL

831 Mass Avenue, Cambridge, MA.  
(617) 349-6100

2009 JAN -8 P 2: 24

OFFICE OF THE CITY CLERK  
CAMBRIDGE, MASSACHUSETTS

CASE NO: 9698

LOCATION: 402 Rindge Avenue Residence C-2 Zone  
Cambridge, MA

PETITIONER: Nextel Communications  
C/o Ricardo M. Sousa, Esq.

Owner: 402 Rindge Corporation Ref: Book 27020, Page 576

PETITION: Special Permit: To replace three (3) of the existing panel antennas with upgraded Wi-Max antennas and add six (6) (1'-1 foot) backhaul dish antennas.

VIOLATIONS: Art. 4.000, Sec. 4.32.G.1 & Sec. 4.10 (Footnote 49) (Telecommunication Facility). Art. 10.000, Sec. 10.40 (Special Permit).

DATE OF PUBLIC NOTICE: August 22 & August 29, 2008

DATE OF PUBLIC HEARING: September 11, 2008

MEMBERS OF THE BOARD:

BRENDAN SULLIVAN - CHAIR	<input checked="" type="checkbox"/>
CONSTANTINE ALEXANDER - VICE CHAIR	<input checked="" type="checkbox"/>
SUSAN SPURLOCK	<input type="checkbox"/>
TIMOTHY HUGHES	<input type="checkbox"/>
THOMAS SCOTT	<input checked="" type="checkbox"/>

ASSOCIATE MEMBERS:

CHRISTOPHER CHAN	<input checked="" type="checkbox"/>
EDWARD W. WAYLAND	<input type="checkbox"/>
MAHMOOD R. FIROUZBAKHT	<input type="checkbox"/>
DOUGLAS MYERS	<input type="checkbox"/>
SLATER W. ANDERSON	<input type="checkbox"/>
TAD HEUER	<input checked="" type="checkbox"/>

Members of the Board of Zoning Appeal heard testimony and viewed materials submitted regarding the above request for relief from the requirements of the Cambridge Zoning Ordinance. The Board is familiar with the location of the petitioner's property, the layout and other characteristics as well as the surrounding district.

*Primer, held (to allow) type @ Cambridge St, Boston, MA*

Case No. 9698  
Location: 402 Rindge Avenue  
Petitioner: Nextel Communications c/o Ricardo Sousa, Esq.

On November 20, 2008, Petitioner's attorney Ricardo Sousa appeared before the Board of Zoning Appeal requesting a special permit in order to replace three existing panel antennas with Wi-Max antennas and to add six dish antennas. The Petitioner requested relief from Article 4, Sections 4.32.g.1 and 4.10 of the Cambridge Zoning Ordinance ("Ordinance"). The Petitioner submitted application materials including information about the project, plans, and photographs.

Mr. Sousa stated that since replacing the existing panel antennas with Wi-Max antennas was as of right, he only needed relief to add the six dish antennas. Mr. Sousa stated that antennas already exist at the site and that the new installation would be 200 feet above grade. He stated that because of these facts, the proposal had the support of the Planning Board. He stated that the antennas would be painted to match the building. He stated that residential uses do not predominate in the vicinity because the site is surrounded primarily by a large shopping center, the highway, a large industrial park, and an MBTA station. He stated that his installation was required to fill in a gap in coverage. He stated that this site was the most viable site in the area.

The Chair read a letter of support from the Planning Board. The Chair asked if anyone wished to be heard on the matter, no one indicated such.

After discussion, the Chair moved that the Board grant the special permit for relief in order to replace three existing panel antennas with Wi-Max antennas and to add six dish antennas based on the finding that the applicant complies with the wireless communication provision set forth in Section 4.32.G, Footnote 49, of the Ordinance. The Chair moved that the Board recognize the scope and limitation imposed by the license secured from state or federal agencies, which is in the file. The Chair moved that the Board find that the visual impact of the various elements of the proposed facility is minimized, that the dishes will be painted background color and that the installation is in excess of 200 feet from the grade. The Chair moved that the Board find that the work is being erected in a residential zoning district, but the installation is permitted because non-residential uses predominate in the vicinity of the proposed facility. The Chair moved that the Board find that the requirements of the Ordinance can be met, that traffic generated or patterns of access or egress would not cause congestion, hazard, or substantial change in the established neighborhood character, that continued operation of or development of adjacent uses as permitted in the Ordinance would not be adversely affected, that there would be no nuisance or hazard created to the detriment of the health, safety,

or welfare of the occupant of the proposed use or the city and that the proposed installation will not impair the integrity of the district or adjoining districts or otherwise derogate from the intent and purpose of the Ordinance. The Chair moved that the Board grant the special permit on the following conditions:

1. that should this equipment become obsolete, nonfunctional, or otherwise not in use, it be removed by the applicant or the applicant's successor, and
2. that the work be performed as per the proposal submitted.

The five member Board voted unanimously in favor of granting the special permit (Sullivan, Alexander, Chan, Heuer, and Scott) with the above conditions.

Therefore, the special permit is granted.

The Board based its decision upon all the information presented, the above findings and upon the following:

- 1) The meeting of the requirements of the Ordinance;
- 2) Traffic generated or patterns of access or egress would not cause congestion, hazard, or substantial change in the established neighborhood character;
- 3) The continued operation of or the development of adjacent uses as permitted in the Ordinance would not be adversely affected by the nature of the proposed uses;
- 4) Nuisance or hazard would not be created to the detriment of the health, safety and /or welfare of the occupants of the proposed use;
- 5) The proposed use would not impair the integrity of the district or adjoining district or otherwise derogate from the Ordinance, and in fact would be a significant improvement to the structure and benefit the neighborhood, and;
- 6) The new use or building construction is not inconsistent with the Urban Design Objectives set forth in Section 19.30 of the Cambridge Zoning Ordinance.

The Board of Zoning Appeal is empowered to waive local zoning regulations only. This decision therefore does not relieve the petitioner in any way from the duty to comply with local ordinances and regulations of the other local agencies, including, but not limited to the Historical Commission, License Commission and/or compliance with requirements pursuant to the Building Code and other applicable codes.

Brendan Sullivan  
Brendan Sullivan, Chair

Attest: A true and correct copy of decision filed with the offices of the City Clerk and Planning Board on 1-8-09 by Maria Pacheco, Clerk.

Twenty days have elapsed since the filing of this decision.

No appeal has been filed ✓

Appeal has been filed and dismissed or denied.

Date: MARCH 27, 2009 M. Margaret Dwyer City Clerk.





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CITY OF CAMBRIDGE  
MASSACHUSETTS  
BOARD OF ZONING APPEAL  
831 MASSACHUSETTS AVENUE  
CAMBRIDGE, MA 02139  
617 349-6100

2019 MAY -2 PM 3: 27

OFFICE OF THE CITY CLERK  
CAMBRIDGE, MASSACHUSETTS

CASE NO: BZA-017074-2019 Residence C-2 Zone/ POD

LOCATION: 402 Rindge Ave  
Cambridge, MA

66573 - 239

PETITIONER: Clear Wireless LLC d/b/a Sprint - C/O Simon J. Brighenti, Jr.

PETITION: Special Permit: Remove/Replace existing facade mount rooftop antennas; replace with upgraded and additional antennas.

VIOLATION :

Article 4.000 Section 4.32.G.1 (Telecommunication Facility).

Article 4.000 Section 4.40 (Footnote 49) (Telecommunication Facility).

Article 6409 Section (Middle Class Tax Relief Act).

Article 10.000 Section 10.40 (Special Permit).

DATE OF PUBLIC NOTICE: March 28, 2019 and April 04, 2019

DATE OF PUBLIC HEARING: April 11, 2019;

MEMBERS OF THE BOARD:

CONSTANTINE ALEXANDER - CHAIR	<input checked="" type="checkbox"/>
BRENDAN SULLIVAN - VICE-CHAIR	<input checked="" type="checkbox"/>
JANET O. GREEN	<input checked="" type="checkbox"/>
ANDREA A. HICKEY	<input checked="" type="checkbox"/>

ASSOCIATE MEMBERS:

SLATER W. ANDERSON	<input type="checkbox"/>
ALISON HAMMER	<input type="checkbox"/>
JIM MONTEVERDE	<input type="checkbox"/>
LAURA WERNICK	<input checked="" type="checkbox"/>

Members of the Board of Zoning Appeal heard testimony and viewed materials submitted regarding the above request for relief from the requirements of the Cambridge Zoning Ordinance. The Board is familiar with the location of the petitioner's property, the layout and other characteristics as well as the surrounding district.

Rindge Towers Apartments  
LLC  
RECORD OWNER

Kelly Sanders  
750 W. Center St. Suite 301  
W. Bridgewater MA 02379

Case No. BZA-017074-2019  
Location: 402 Rindge Avenue  
Petitioner: Clear Wireless LLC d/b/a Sprint - c/o Simon Brighenti

On April 11, 2019, Petitioner's attorney Simon Brighenti appeared before the Board of Zoning Appeal requesting a special permit in order to replace existing façade mount rooftop antennas with upgraded and additional antennas. The Petitioner requested relief under Article 4, Sections 4.32.G.1 and 4.40 of the Cambridge Zoning Ordinance ("Ordinance"). The Petitioner submitted materials in support of the application including information about the project, plans, and photographs.

Mr. Brighenti stated that the proposal was to modify an existing permitted telecommunications facility by swapping three antennas with three new smaller antennas and by adding three new antennas and equipment. He stated that while the site was in a residential zone, residential uses did not predominate in the vicinity as the area included a major T station, a ballfield, commercial uses, and a highway.

The Chair asked if anyone wished to be heard on the matter, no one indicated such.

After discussion, the Chair moved that the Board make the following findings based upon the application materials submitted and all evidence before the Board and that based upon the findings the Board grant the requested relief as described in the Petitioner's submitted materials and the evidence before the Board: that the Board find that the property sat in a residential district; that the Board find that nonresidential uses predominated in the vicinity of the proposed facility's location and that the telecommunication facility was not inconsistent with the character that prevailed in the surrounding neighborhood; that the Board find that it had previously made the above findings in earlier Special Permits, that the area had not changed, and that these findings were still accurate; that the Board find that the requirements of the Ordinance could not be met without the Special Permit sought; that the Board find that traffic generated or patterns of access or egress resulting from what was proposed would not cause congestion, hazard, or substantial change in established neighborhood character; that the Board find that the continued operation or development of adjacent uses as permitted in the Ordinance would not be adversely affected by what was proposed; that the Board find that no nuisance or hazard would be created to the detriment of the health, safety, and/or welfare of the occupants of the proposed use or the citizens of the City; that the Board find that generally what was proposed would not impair the integrity of the district or adjoining districts or otherwise derogate from the intent and purpose of the Ordinance; that the Board find that, with regard to all of these findings, that it had made these findings in approving previous telecommunication facilities on the structure and that nothing had changed that would alter those findings; that the Board incorporate those findings by reference; that the Board find that the modification of the existing telecommunication facility at the site proposed by the petitioner would not substantially change the physical dimensions of the existing

wireless tower or station at such facility within the meaning of Section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012, also known as the Spectrum Act.

The Chair further moved that based upon all the information presented the Board grant the requested relief as described in the Petitioner's submitted materials and the evidence before the Board on the following conditions:

1. that the work proceed in accordance with plans submitted by the petitioner, as initialed by the Chair,
2. that upon completion of the work, the physical appearance and visual impact of the proposed work be consistent with what existed on site,
3. that the petitioner at all times maintain the proposed work so that its physical appearance and visual impact remain consistent,
4. that should the petitioner cease to utilize the equipment approved tonight for a continuous period of six months or more, it promptly thereafter remove such equipment and restore the building on which it was located to its prior condition and appearance to an extent reasonably practicable,
5. that the petitioner continue to comply with the conditions imposed by the Board with respect to previous Special Permits granted to the petitioner with regard to the site in question,
6. that inasmuch as the health effects of the transmission of electromagnetic energy waves is a matter of ongoing societal concern and scientific study, the Special Permit is also subject to the following conditions:
  - A. that the petitioner shall file with the Inspectional Services Department each report it files with the federal authorities regarding electromagnetic energy wave emissions emanating from all of the petitioner's equipment on the site. Each such report shall be filed with the Inspectional Services Department no later than ten business days after the report has been filed with the federal authorities. Failure to timely file any such report with the Inspectional Services Department shall ipso facto terminate the Special Permit granted tonight.
  - B. that in the event that at any time federal authorities notify the petitioner that its equipment on the site, including, but not limited to the special permit granted tonight, fails to comply with the requirements of law or governmental regulations, whether with regard to the emissions of electromagnetic energy waves or otherwise, the petitioner, within ten business days of receipt of such notification of such failure, shall file with the Inspectional Services Department a report disclosing in reasonable detail that such failure has occurred and the basis for such claimed failure. The special permit shall ipso facto terminate if any of the petitioner's federal licenses are suspended, revoked, or terminated.
  - C. that to the extent a special permit has terminated pursuant to the foregoing paragraphs A and B, the petitioner may apply to this Board for a new special permit provided that the public notice containing such

application discloses in reasonable detail that the application has been filed because of a termination of the special permit pursuant to paragraphs A or B above. Any such new application shall not be deemed a repetitive petition and therefore will not be subject to the two-year period during which repetitive petitions may not be filed.

- D. that within ten business days after receipt of a Building Permit for installation of equipment subject to this petition, the petitioner shall file with the Inspectional Services Department a sworn Affidavit of the person in charge of the installation of equipment by the petitioner of the geographical area that includes Cambridge. Stating that A, he or she has such responsibility, and B that the equipment being installed pursuant to the special permit will comply with all federal safety rules and will be situated and maintained in locations with appropriate barricades and other protections, such that individuals, including nearby residents and occupants of nearby structures, will be sufficiently protected from excessive radio frequency radiation under federal law.

The five-member Board voted unanimously in favor of granting the special permit with the above conditions (Alexander, Sullivan, Green, Hickey, and Wernick). Therefore, the special permit is granted as conditioned.



The Board of Zoning Appeal is empowered to waive local zoning regulations only. This decision therefore does not relieve the petitioner in any way from the duty to comply with local ordinances and regulations of the other local agencies, including, but not limited to the Historical Commission, License Commission and/or compliance with requirements pursuant to the Building Code and other applicable codes.

Constantine Alexander, Chair

ATTEST: A true and accurate copy of the above decision has been filed on 5-2-19 with the Offices of the City Clerk and the Planning Board by Mania Pasheco, duly authorized representative of the Board of Zoning Appeal

Twenty days have elapsed since the above decision was filed in the office of the City Clerk and:

no appeal has been filed; or

an appeal has been filed within such twenty days.

The person exercising rights under a duly appealed special permit does so at risk that a court will reverse the permit and that any construction performed under the permit may be ordered undone. This certification shall in no event terminate or shorten the tolling, during the pendency of any appeals, of the periods provided under the second paragraph of G.L. c. 40A, §6.

Date: 5/29/19

Anna P. Lopez, City Clerk

Appeal has been dismissed or denied.

Date: \_\_\_\_\_

\_\_\_\_\_, City Clerk

February 20, 2023

Ranjit Singanayagam  
Commissioner of Inspectional Services/Building Commissioner  
City of Cambridge  
831 Massachusetts Avenue  
Cambridge, MA 02139

Re: Eligible Facilities Request to Modify Transmission Equipment at an Existing Base  
Station located at:  
402 Rindge Avenue, Cambridge, MA 02139

Dear Mr. Singanayagam:

A. T-Mobile is Filing an Eligible Facilities Request

Prince Lobel Tye LLP, on behalf of T-Mobile Northeast LLC is submitting the attached Eligible Facilities Request application to add, remove, modify, or replace Transmission Equipment at an Existing Base Station located at the 402 Rindge Avenue, Cambridge, MA 02139.

Because this jurisdiction has not yet developed an Eligible Facilities Request permit application form that complies with Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, commonly known as the “**Spectrum Act**” (Pub. Law No. 112-96, 126 Stat 156) (codified at 47 U.S.C. § 1455), this Eligible Facilities Request is attached to the Building Permit Application form which was customarily used by this jurisdiction when reviewing requests to collocate or modify wireless telecommunications facilities. Because federal law now preempts many of the permit application requirements that this jurisdiction would previously have required from an applicant, this Eligible Facilities Request application provides only the information that federal law allows this jurisdiction to consider when reviewing an Eligible Facilities Request.

Section 6409(a) of the Spectrum Act mandates that state and local governments “*may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.*” Under Section 6409(a)(2)(A)-(C) an Eligible Facilities Request is any request to modify a Tower or Base Station that involves “collocations of new Transmission Equipment,” “removal,” or “replacement” of Transmission Equipment.

B. Why this Eligible Facilities Request Must Be Granted

This Eligible Facilities Request involves an effort to collocate, remove, modify, or replace Transmission Equipment at an existing Base Station operated by an FCC

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Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100

licensed wireless carrier. The FCC has defined Base Station as “the equipment and non-tower supporting structure at a fixed location that enable Commission-licensed or authorized wireless communications between user equipment and a communications network . . . the term includes equipment associated with wireless communications service including, but not limited to, radio transceivers, antennas, coaxial or fiber-optic cable, regular and backup power supply, and comparable equipment.” The term existing base station also includes a structure that currently houses or supports an antenna, transceiver or other associated equipment that constitutes part of a Base Station at the time the application is filed even if the structure was not built solely or primarily to provide such support. The existing Base Station in this application is approximately one hundred and fifty-eight feet (158’) high and presently contains wireless facilities. The existing Base Station meets the Federal Communications Commission (“FCC”) definition of a Base Station.

The list of equipment identified in the Eligible Facilities Request application that will be collocated, removed, or replaced at the Base Station is also Transmission Equipment as determined by the FCC. The FCC has defined Transmission Equipment as “any equipment that facilitates transmission for any Commission-licensed or authorized wireless communication service, including, but not limited to, radio transceivers, antennas and other relevant equipment associated with and necessary to their operation, including coaxial or fiber-optic cable, and regular and back-up power supply. This definition includes equipment used in any technological configuration associated with any Commission-authorized wireless transmission, licensed or unlicensed, terrestrial or satellite, including commercial mobile, private mobile, broadcast and public safety services, as well as fixed wireless services such as microwave backhaul or fixed broadband.”

The FCC, in a Report and Order adopted on October 17, 2014, determined that any modification to an existing telecommunications Base Station that meets the following six criteria does not substantially change the physical dimensions of the existing Base Station and therefore is an Eligible Facilities Request which must be granted:

1. *The modifications to the Transmission Equipment do not increase the height of the Base Station by more than 10 percent (10%) or ten (10) feet, whichever is greater.*
  - a. The height of the Base Station is approximately one 211-feet high. The proposed replacement and addition of the antennas will not affect the height of the Base Station, as the proposed modifications will take place at the same height of 211-feet.
2. *The modifications to the Transmission Equipment do not protrude from the edge of the support structure by more than six (6) feet.*

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Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
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- a. The proposed replacement antennas will not protrude from the edge of the building by more than six (6) feet, and therefore the facility will not exceed the six (6) foot limitation.
3. *The modifications to the Transmission Equipment do not involve the installation of more than the standard number of equipment cabinets for the technology involved, not to exceed four.*
  - a. The Applicant proposes to replace the existing equipment cabinet existing at the Base Station.
4. *The modifications to the Transmission Equipment do not entail any excavation or deployment outside of the Base Station site.*
  - a. There will be no excavation or deployment outside of the Base Station site.
5. *The modifications to the Transmission Equipment do not defeat any existing concealed or stealth-design.*
  - a. Pursuant to the previous decisions by the Board of Zoning Appeal for the City of Cambridge (the “**Board**”) for this site, September 11, 2009 (Case No. 9698) (the “**Original Decision**”) and a second dated May 2, 2019 (BZA-017074-2019) (the “**2nd Decision**”) (the Original Decision and 2<sup>nd</sup> Decision shall hereafter be referred to as the “**Decisions**”), the existing panel antennas are located in the preferred location on the building. The replacement of the existing six (6) panel antennas with nine (9) new like kind antennas will not defeat the intent of the existing design, as the new antennas will be installed at the same locations as the existing antennas. Furthermore, all proposed antennas will be integrated into the building to the extent possible. As such, modifications to the existing facility will be in conformity with the Decision and do not defeat the existing stealth design.
6. *The modifications to the Transmission Equipment comply with prior conditions of approval of the Base Station, unless the non-compliance is due to an increase in height, increase in width, addition of equipment cabinets, or new excavation that does not exceed the corresponding “substantial change” thresholds in numbers 1-4.*

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One International Place  
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Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100

- a. Based on the foregoing, the proposed modifications to the Base Station fully conform to Section 6409(a) of the Spectrum Act and comply with the prior conditions of approval of the Base Station.

There is a certification attached to the accompanying Eligible Facilities Request that identifies how each of the six review criteria identified by the FCC is met. The modifications to the Transmission Equipment at the Base Station located at 575 Memorial Drive, Cambridge, MA 02139 contained in this Eligible Facilities Request fully conform to Section 6409(a) as enacted by Congress and as interpreted by the FCC. Accordingly, this Eligible Facilities Request must be approved within 60 days, as required by federal law and FCC implementing regulations.

#### C. Notice of Federal Law Expedited Permit Processing and Deemed Granted

Under federal law, an Eligible Facilities Request is deemed granted sixty (60) days after a complete application is filed with a local jurisdiction. If sixty days pass after the submission of T-Mobile's accompanying Eligible Facilities Request and the City of Cambridge has not acted to grant or deny the request, it will be deemed granted. At that time, the applicant may advise the City of Cambridge that the application has been deemed granted. If the City of Cambridge wishes to contest whether the Eligible Facilities Request has been deemed granted, the burden is on the City of Cambridge to file a lawsuit in a court of competent jurisdiction within 30 days after receipt of a written communication notifying it that the Eligible Facilities Request has been deemed granted. Failure to file a lawsuit in a timely manner may forever bar this jurisdiction from contesting that this Eligible Facilities Request has been deemed granted.

T-Mobile is committed to working cooperatively with you, and all jurisdictions around the country, to secure expeditious approval of requests to modify existing personal wireless service facilities. Please do not hesitate to contact me if you have questions.

Sincerely,



Adam F. Braillard

Direct: 617-456-8153

Email: [abraillard@princelobel.com](mailto:abraillard@princelobel.com)

Prince Lobel Tye LLP  
One International Place  
Suite 3700  
Boston, MA 02110  
TEL: 617 456 8000  
FAX: 617 456 8100

**ELIGIBLE FACILITIES REQUEST CERTIFICATION FOR NON-SUBSTANTIAL  
CHANGES  
TO AN EXISTING BASE STATION**

“Base Station” means the equipment and non-tower supporting structure at a fixed location that allow Commission-licensed or authorized wireless communications between user equipment and a communications network. The term base station includes any equipment associated with wireless communications services including but not limited to radio transceivers, antennas, coaxial or fiber-optic cables, regular or back up power supply, and comparable equipment. The term existing base station also includes a structure that currently houses or supports an antenna, transceiver or other associated equipment that constitutes part of a base station at the time the application is filed even if the structure was not built solely or primarily to provide such support. “Base Station” includes the relevant equipment in any technological configuration, including small cells and DAS. Remember “Base Station” has two separate meanings: (1) the supporting structure that houses FCC licensed or authorized wireless equipment and (2) the wireless equipment itself. Keep this distinction in mind when calculating a substantial change in physical dimensions.

“Transmission Equipment” means any equipment that facilitates transmission for any FCC licensed or authorized wireless communication service, including but not limited to, radio transceivers, antennas and other relevant equipment associated with and necessary to their operation, including coaxial or fiber-optic cable, and regular and back-up power supply. This definition includes equipment used in any technological configuration associated with any Commission-authorized wireless transmission, licensed or unlicensed, terrestrial or satellite, including commercial mobile, private mobile, broadcast and public safety services, as well as fixed wireless services such as microwave backhaul or fixed broadband.

“Collocation” means the addition, removal or replacement of Transmission Equipment to an existing tower or a base station. This means that the existing support structure, be it a tower or a building or some other structure, must presently support FCC licensed or authorized wireless facilities. The FCC further requires that the site (tower, building, or other structure) was previously approved by the appropriate agency of government to house wireless facilities. Illegal wireless installations cannot be the basis for an eligible facilities request. However, if a communications Tower was erected at a time when it was exempt from zoning, the Tower can be modified through the Eligible Facilities Request process even if the Tower is no longer exempt from zoning.

Site Address: 402 Rindge Avenue, Cambridge, MA 02139

### **Existing Facilities**

The Existing Facility is comprised of six (6) panel antennas all mounted to the façade of the existing building, together with supporting equipment.

### **Height of Base Station**

Height above ground level of the tallest point on the existing base station: 211 (feet)

Height above ground level of the tallest point of the existing base station after the installation of the *proposed* equipment: 211 (feet)

- 1) Does the height above ground level of the proposed equipment exceed the height of the tallest point on the existing base station by more than 10 percent (10%) or ten (10) feet, whichever is greater?

Yes  No

### **Width of Base Station**

- 2) Will any of the proposed equipment protrude from the edge of the support structure by more than six (6) feet?

Yes  No

### **Excavation or Equipment Placement**

- 3) Will the proposed changes in Transmission Equipment involve excavation or placement of new equipment outside the existing Base Station site or outside any access or utility easements currently related to the site?

Yes  No

### **Equipment Cabinets**

- 4) Will the proposed modification in Transmission Equipment involve installation of more than the standard number of new equipment cabinets for the technology involved, but not to exceed four?

Yes  No

### **Concealed or Stealth-Designed Wireless Facilities**

5)

- a) Is the existing wireless facility concealed or stealth- designed?  
 Yes  No
- b) If the answer to 5a) is “Yes,” will the proposed modification in Transmission Equipment defeat the existing concealed or stealth-design?  
 Yes  No

### **Compliance with Preexisting Conditions of Approval for the Base Station**

6)

- a) Were there any conditions of approval stated in the original government approval of the Base Station?  
 Yes  No
- b) Will the proposed modification in Transmission Equipment comply with conditions of approval imposed on the Base Station prior to February 22, 2012?  
 Yes  No
- c) If the answer to 6b) is “No,” is the non-compliance due solely to any of the conditions addressed in Questions 1-5 above?  
 Yes  No

**If the answers to questions 1-4 are “No,” the answer to either 5a) or b) is “No,” and the answers to 6a) is “No” or the answers to either 6b) or 6c) are “Yes,” then the proposed modifications do not substantially change the physical dimensions of the existing Base Station.**

This certification is dated this 20<sup>th</sup> day of February, 2023.

\_\_\_\_\_  
Signature

Adam F. Braillard, Esq., Attorney for Applicant  
Name & Title



**Eligible Facilities Request (EFR) Application Form**

Date of Submittal: \_\_\_\_\_

Submitted by:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Contact information: \_\_\_\_\_

Name of Jurisdiction: \_\_\_\_\_

Address of Jurisdiction: \_\_\_\_\_

Contact Name for Jurisdiction: \_\_\_\_\_

Name of Local Government Permit Application: \_\_\_\_\_

Local Government File #: \_\_\_\_\_

Street Address of Site: \_\_\_\_\_

Tax Parcel # of Site: \_\_\_\_\_

Latitude/Longitude of Site: \_\_\_\_\_

List Each Piece of Transmission Equipment that will be Collocated or Added:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List Each Piece of Transmission Equipment that will be Removed:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List Cabinets that will be Collocated or Added at the Site:

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List Cabinets that will be Removed at the Site:

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Federal Communications Commission  
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: T-MOBILE LICENSE LLC

T-MOBILE LICENSE LLC  
12920 SE 38TH STREET  
BELLEVUE, WA 98006

<b>Call Sign</b> WQZL853	<b>File Number</b>
<b>Radio Service</b> WT - 600 MHz Band	

FCC Registration Number (FRN): 0001565449

<b>Grant Date</b> 06-14-2017	<b>Effective Date</b> 06-15-2017	<b>Expiration Date</b> 06-14-2029	<b>Print Date</b>
<b>Market Number</b> PEA007	<b>Channel Block</b> C	<b>Sub-Market Designator</b> 0	
<b>Market Name</b> Boston, MA			
<b>1st Build-out Date</b> 06-14-2023	<b>2nd Build-out Date</b> 06-14-2029	<b>3rd Build-out Date</b>	<b>4th Build-out Date</b>

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

**Licensee Name:** T-MOBILE LICENSE LLC

**Call Sign:** WQZL853

**File Number:**

**Print Date:**

**700 MHz Relicensed Area Information:**

<b>Market</b>	<b>Market Name</b>	<b>Buildout Deadline</b>	<b>Buildout Notification</b>	<b>Status</b>
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: T-MOBILE LICENSE LLC

ATTN: FCC REGULATORY COMPLIANCE
T-MOBILE LICENSE LLC
12920 SE 38TH ST.
BELLEVUE, WA 98006

Table with Call Sign (WRAM889), File Number (0008585885), and Radio Service (CW - PCS Broadband).

FCC Registration Number (FRN): 0001565449

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

**Licensee Name:** T-MOBILE LICENSE LLC

**Call Sign:** WRAM889

**File Number:** 0008585885

**Print Date:** 05-31-2019

Spectrum Lease associated with this license. See Spectrum Leasing Arrangement Letter dated 07/27/2004 and File No. 0001765259.

Reference Copy

Licensee Name: T-MOBILE LICENSE LLC

Call Sign: WRAM889

File Number: 0008585885

Print Date: 05-31-2019

**700 MHz Relicensed Area Information:**

<b>Market</b>	<b>Market Name</b>	<b>Buildout Deadline</b>	<b>Buildout Notification</b>	<b>Status</b>
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Federal Communications Commission  
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: T-MOBILE LICENSE LLC

ATTN: FCC REGULATORY COMPLIANCE  
T-MOBILE LICENSE LLC  
12920 S.E. 38TH STREET  
BELLEVUE, WA 98006

<b>Call Sign</b> KNLH311	<b>File Number</b> 0007725350
<b>Radio Service</b> CW - PCS Broadband	

FCC Registration Number (FRN): 0001565449

<b>Grant Date</b> 06-08-2017	<b>Effective Date</b> 06-08-2017	<b>Expiration Date</b> 06-27-2027	<b>Print Date</b> 06-09-2017
<b>Market Number</b> BTA201	<b>Channel Block</b> D	<b>Sub-Market Designator</b> 0	
<b>Market Name</b> Hyannis, MA			
<b>1st Build-out Date</b> 06-27-2002	<b>2nd Build-out Date</b>	<b>3rd Build-out Date</b>	<b>4th Build-out Date</b>

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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**Licensee Name:** T-MOBILE LICENSE LLC

**Call Sign:** KNLH311

**File Number:** 0007725350

**Print Date:** 06-09-2017

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

Preferred  
Reference  
Copy

Licensee Name: T-MOBILE LICENSE LLC

Call Sign: KNLH311

File Number: 0007725350

Print Date: 06-09-2017

**700 MHz Relicensed Area Information:**

<b>Market</b>	<b>Market Name</b>	<b>Buildout Deadline</b>	<b>Buildout Notification</b>	<b>Status</b>
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Federal Communications Commission  
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: T-MOBILE LICENSE LLC

ATTN: FCC REGULATORY COMPLIANCE  
T-MOBILE LICENSE LLC  
12920 SE 38TH ST.  
BELLEVUE, WA 98006

<b>Call Sign</b> WPOJ753	<b>File Number</b> 0008585870
<b>Radio Service</b> CW - PCS Broadband	

FCC Registration Number (FRN): 0001565449

<b>Grant Date</b> 05-30-2019	<b>Effective Date</b> 05-30-2019	<b>Expiration Date</b> 06-30-2029	<b>Print Date</b> 05-31-2019
<b>Market Number</b> BTA229	<b>Channel Block</b> C	<b>Sub-Market Designator</b> 3	
<b>Market Name</b> Kingsport-Johnston City, TN-Br			
<b>1st Build-out Date</b> 06-30-2004	<b>2nd Build-out Date</b>	<b>3rd Build-out Date</b>	<b>4th Build-out Date</b>

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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**Licensee Name:** T-MOBILE LICENSE LLC

**Call Sign:** WPOJ753

**File Number:** 0008585870

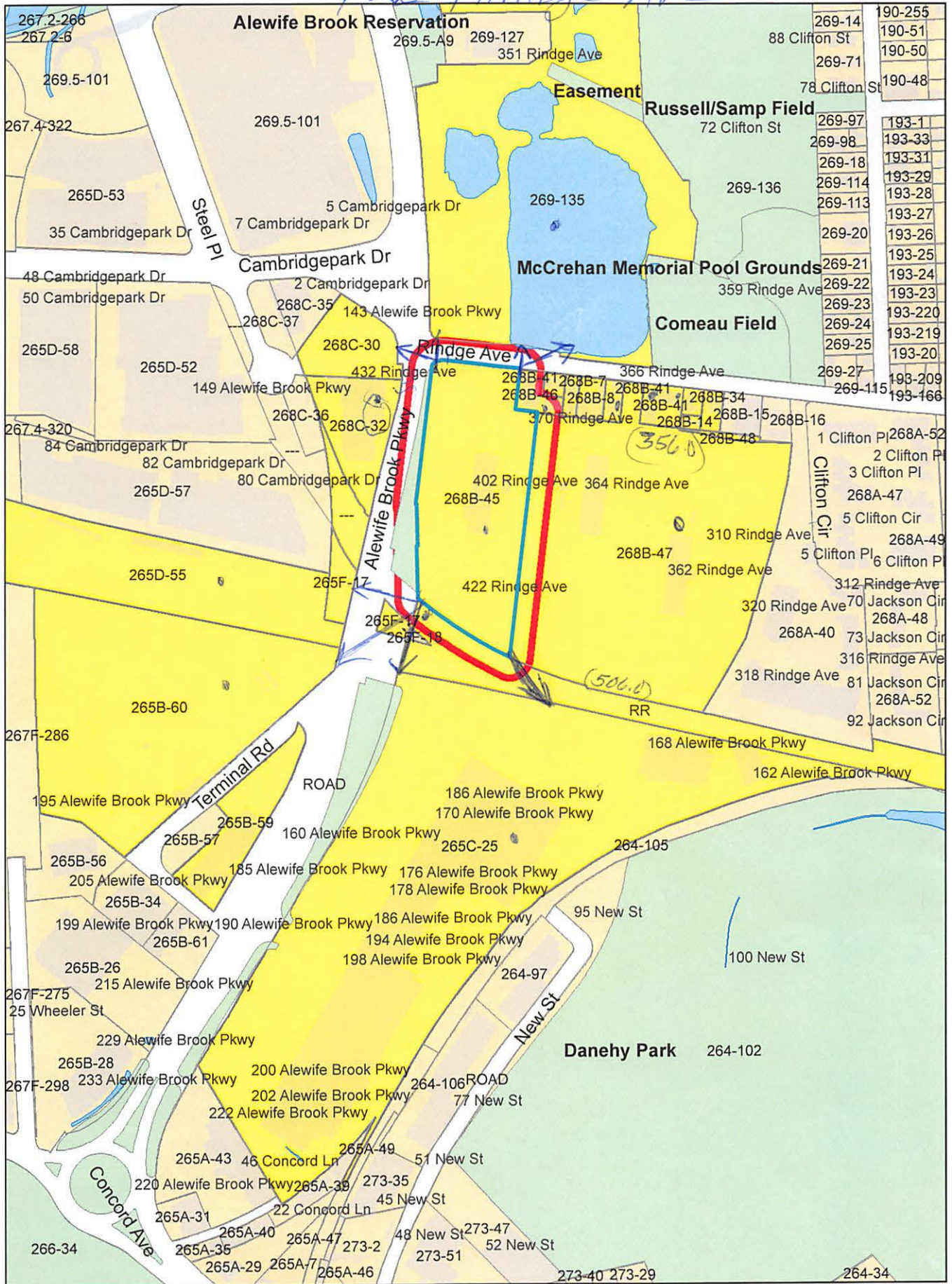
**Print Date:** 05-31-2019

**700 MHz Relicensed Area Information:**

<b>Market</b>	<b>Market Name</b>	<b>Buildout Deadline</b>	<b>Buildout Notification</b>	<b>Status</b>
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Reference Copy

402 Rindge Ave



402 Rindge Ave

Petitioner

265F-17  
MASSACHUSETTS COMMONWEALTH OF  
STATE HOUSE  
BOSTON, MA 02133

265B-60  
BOSTON EDISON COMPANY  
C/O NSTAR ELECTRIC COMPANY  
P.O. BOX 270, PROPERTY TAX DEPT  
HARTFORD, CT 06141-0270

PRINCE LOBEL TYE LLP  
C/O ADAM BRAILLARD, ESQ.  
ONE INTERNATIONAL PLACE – SUITE 3700  
BOSTON, MA 02110

265C-25  
THE FRESH POND MALL LIMITED PARTNERSHIP  
545 CONCORD AVE. SUITE 400  
CAMBRIDGE, MA 02138

268B-41  
KEBEDE, ROMAN & TSEGAYE WOLDU  
366 RINDGE AVE  
CAMBRIDGE, MA 02138

268B-41  
NAPOLI, MECKY & FATMA JIDDAWI  
368 RINDGE AVE  
CAMBRIDGE, MA 02139

268B-41  
BROWN, MARIE BARBARA &  
OWEN OSBOURNE BROWN  
354 RINDGE AVE. UNIT#3  
CAMBRIDGE, MA 02138

268B-8  
MUSTASCIO, GEORGE C.  
LORENZO CASAMASSIMA  
372 RINDGE AVE  
CAMBRIDGE, MA 02140

268B-41  
MANNING, BENADETTE  
356 RINDGE AVE  
CAMBRIDGE, MA 02138

268B-41  
BARRY, ABRAHAM & OUMOU BARRY  
358 RINDGE AVE  
CAMBRIDGE, MA 02138

268B-41  
SITHAR, DICKEY  
354-388 RINDGE AVE., #386  
CAMBRIDGE, MA 02140

268B-41  
REZAEI-KAMALABAD &  
MARIANNE REZAEI-KAMALABAD  
388 RINDGE AVE  
CAMBRIDGE, MA 02139

268B-41  
MASNY-SOKOLOWSKI, URSZULA  
C/O URSZULA MASNY-LATOS  
354 RINDGE AVE. UNIT#4  
CAMBRIDGE, MA 02138

268C-32  
SWEETWOOD, LLC.  
C/O MCCARTHY LEGAL SERVICES LLC,  
1188 CENTRE ST.  
NEWTON CENTER, MA 02459

268B-41  
ALAM, MOHAMMED  
370 RINDGE AVE.  
CAMBRIDGE, MA 02140

268B-41  
RAJAO, ELIANA M. PEREIRA &  
CARLOS RICARDO RAJAO  
354 RINDGE AVE. UNIT#2  
CAMBRIDGE, MA 02138

268B-41  
DUGGAN, MARY D.  
354 RINDGE AVE., UNIT #5  
CAMBRIDGE, MA 02138

265D-55/265F-18  
MASSACHUSETTS BAY TRANSPORTATION  
AUTHORITY  
10 PARK PLAZA  
BOSTON, MA 02116

268B-41  
NAHEED, SITARA & ASIA RAHMAN  
354-390 RINDGE AVE  
CAMBRIDGE, MA 02138

268C-30  
APPLETREETWOOD, LLC.  
C/O MCCARTHY LEGAL SERVICES LLC,  
1188 CENTRE ST  
NEWTON CENTER, MA 02459

268B-7  
AL-AMIN, INC.  
380 RINDGE AVE., UNIT #2  
CAMBRIDGE, MA 02140

265B-59  
ALEWIFE PROPERTIES, LLC  
545 CONCORD AVENUE  
CAMBRIDGE, MA 02138

268B-46  
NERE, SOLOMON K. & HIWOT H. GEBREMARIAM  
400 RINDGE AVE.  
CAMBRIDGE, MA 02140

268B-46  
JIFARA, TEREFE R & ELIZABETH HAILESILASE  
398 RINDGE AVENUE, UNIT # 2  
CAMBRIDGE, MA 02140

268B-46  
YOHANNES, EFREM T. &  
MEAZA T. TEWELDEMEDHIN  
390 RINDGE AVE.  
CAMBRIDGE, MA 02140

268B-46  
MCLEOD, LORNA  
392 RINDGE AVE. UNIT#7  
CAMBRIDGE, MA 02140

268B-46  
ARADOM, HAILE G. & GENET W. ARADOM  
394 RINDGE AVENUE.  
CAMBRIDGE, MA 02140

268B-46  
BROWN, MELISSA  
396 RINDGE AVENUE  
CAMBRIDGE, MA 02140

268B-47-48  
RINDGE ASSOCIATES,  
C/O FEDERAL MANAGEMENT CO., INC.  
536 GRANITE STREET #301  
BRAintree, MA 02184

268B-46  
SHAMS SAIFUL & FARHANAH AFROZE  
398 RINDGE AVENUE UNIT 3  
CAMBRIDGE, MA 02140

402 Rindge Ave

269-135  
IQHQ-ALEWIFE LLC  
674 VIA DE LA VALLE - STE 206  
SOLANA BEACH, CA 92075

268B-14-34-35  
FFSIK LLC  
29 ROBINSON DR  
BEDFORD, MA 01730

268B-46  
AFRICAWALA, SHAHENAZBIBI F  
FAHAD, S, AFRICAWALA  
398 RINDGE AVE - UNIT 1  
CAMBRIDGE, MA 02140

268B-45  
RINDGE TOWER APARTMENT LLC,  
1035 CAMBRIDGE ST., #12  
CAMBRIDGE, MA 02141

268B-47-48  
RINDGE ASSOCIATES,  
C/O FEDERAL MANAGEMENT CO., INC.  
536 GRANITE STREET #301  
BRAINTREE, MA 02184