

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.

We: DWF V 955 Massachusetts, LLC, a Delaware limited liability company (OWNER)

Address: c/o Divco West Real Estate Services, LLC, 575 Market Street, 35th Floor San Francisco, CA 94105

We own the property located at 955 Massachusetts Avenue, Cambridge, MA, which is the subject of this zoning application.

The record title of this property is in the name of Owner-DWF V 955 Massachusetts, LLC

*Pursuant to a deed of duly recorded in the date June 7, 2017, Middlesex South County Registry of Deeds at Book 69398 Page 76.

OWNER:
DWF V 955 MASSACHUSETTS, LLC,
BY: DIVCO WEST REAL ESTATE SERVICES, INC.,
ITS AUTHORIZED AGENT


SIGNATURE BY AUTHORIZED AGENT FOR OWNER

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

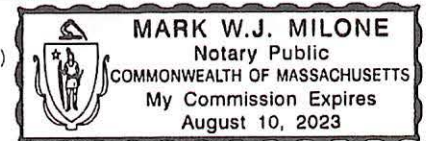
Commonwealth of Massachusetts, County of MIDDLESEX

The above-name JEFFREY LONGNECKER personally appeared before me,

this 17th of SEPTEMBER, 2016, and made oath that the above statement is true.

MARK MILONE Notary

My commission expires AUGUST 10, 2023 (Notary Seal)



¹ If ownership is not shown in recorded deed, e.g. if by court order, recent deed, or inheritance, please include documentation.

December 11, 2018

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: 955 Massachusetts Ave, Cambridge, MA 02139
Assessor's Map 116, Lot 117 (the "Property")
Applicant: T-Mobile Northeast LLC (the "Applicant")

Dear Honorable Members of the Board of Zoning Appeals:

This firm represents T-Mobile Northeast LLC ("T-Mobile") (hereinafter, the "Applicant") 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 Residential C2-B zoning district. 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 Board¹. 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. The compliance with the Spectrum Act is shown on the Eligible Facilities Request permit application form attached hereto and incorporated herein by reference (the "EFR").

The Applicant seeks to modify and upgrade its existing wireless communications facility by replacing three (3) existing panel antennas with three (3) new panel antennas

¹ 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.

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

(the “Proposed Facility”). All of the proposed antennas and RRH units will be installed on the roof or façade of the existing building located at the Property (the “Building”). The antennas mounted to the façade of the Building will be painted to match the façade of the building. The Applicant’s facilities are 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

As noted above, the Applicant proposes to modify its existing wireless facility currently operating on the rooftop of the Building by replacing three (3) existing panel antennas with three (3) new panel antennas. All of the proposed antennas and RRH units will be installed on the roof or façade of the Building. The antennas mounted to the façade of the Building will be painted to match the façade of the building. The new antennas will be installed to be consistent with the previous decisions of the Board for this facility, dated October 24, 2002 (Case NO.8593) (the “Original Decision”), the first subsequent decision, dated December 5th, 2012 (Case No. 10335), and the second subsequent decision, dated December 19th 2016 (Case No. BZA-011652-2016) (the “Previous Decisions”) (together, the Original and the Previous Decisions shall hereafter be referred to as the “Decisions”). Consequently, the visual change to the Applicant’s existing facility will be de minimus.

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 C-2B zoning district 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 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. As demonstrated in the Affidavit of Radio Frequency Expert provided by the Applicant and attached hereto, 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 BC zoning 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 C-2B zoning 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 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 roof, the chimney, and the façade and of the Building, replacing three (3) of the existing antennas, and in conformity with the Decision.

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 C-2B Zoning District but nonresidential uses predominate in the area. For example, the UPS Store, Allston Insurance, Dado Tea, Workers Compensation Research Institute, Keller Williams Realty, all located within the building at 955 Massachusetts Avenue, the Dumpling House across the street and John and Nicks auto service as an abutter. Furthermore, the Board, in the Decisions has previously found that nonresidential uses predominate in the area.

As such, the Applicant submits that nonresidential uses predominate in the area, and in keeping with the Decisions, respectfully requests that the Board find the same.

B. The Applicant complies with the Special Permit Criteria set forth in Section 10-43 of the Ordinance²:

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:

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.

² 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.

4. 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.

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 C-2B zoning districts.

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 for tin Section 19.30 of the Ordinance:

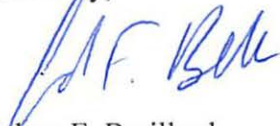
Not Applicable. The Applicant is not proposing to construct a new building or structure.

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 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

BZA APPLICATION FORM

DIMENSIONAL INFORMATION

APPLICANT: T-Mobile Northeast **PRESENT USE/OCCUPANCY:** Wireless Telecommunications

LOCATION: 955 Massachusetts Avenue **ZONE:** C-2B

PHONE: 617-456-8153 **REQUESTED USE/OCCUPANCY:** Wireless Telecommunications

	<u>EXISTING CONDITIONS</u>	<u>REQUESTED CONDITIONS</u>	<u>ORDINANCE REQUIREMENTS</u>	
<u>TOTAL GROSS FLOOR AREA:</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(max.)
<u>LOT AREA:</u>	<u>N/A</u>		<u>N/A</u>	(min.)
<u>RATIO OF GROSS FLOOR AREA TO LOT AREA:</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(max.)
<u>LOT AREA FOR EACH DWELLING UNIT:</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(min.)
<u>SIZE OF LOT:</u>			<u>N/A</u>	(min.)
	WIDTH			
	DEPTH			
<u>Setbacks in Feet:</u>		<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
	FRONT			
	REAR	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
	LEFT SIDE	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
	RIGHT SIDE	<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (min.)
<u>SIZE OF BLDG.:</u>		<u>N/A</u>	<u>No Change</u>	<u>N/A</u> (max.)
	HEIGHT			
	LENGTH			
	WIDTH			
<u>RATIO OF USABLE OPEN SPACE TO LOT AREA:')</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(min.)
<u>NO. OF DWELLING UNITS:</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(max.)
<u>NO. OF PARKING SPACES:</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(min./max)
<u>NO. OF LOADING AREAS:</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(min.)
<u>DISTANCE TO NEAREST BLDG. ON SAME LOT:</u>	<u>N/A</u>	<u>No Change</u>	<u>N/A</u>	(min.)

Describe where applicable, other occupancies on 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.

more commonly referred to as a "collocation".

1. SEE CAMBRIDGE ZONING ORDINANCE ARTICLE 5.000, SECTION 5.30 (DISTRICT OF DIMENSIONAL REGULATIONS).
2. TOTAL GROSS FLOOR AREA (INCLUDING BASEMENT 7'-0" IN HEIGHT AND ATTIC AREAS GREATER THAN 5') DIVIDED BY LOT AREA.
3. OPEN SPACE SHALL NOT INCLUDE PARKING AREAS, WALKWAYS OR DRIVEWAYS AND SHALL HAVE A MINIMUM DIMENSION OF 15'.

**APPLICATION FOR RELIEF UNDER
SECTION 6409(a) OF THE SPECTRUM ACT
OR FOR SPECIAL PERMIT
For a Modification to an Existing
WIRELESS COMMUNICATION FACILITY**

T-Mobile Northeast LLC

**c/o Adam F. Braillard, Esq.
Prince Lobel Tye LLP
One International Place, Suite 3700
Boston, MA 02110**

Applicant

**Property Location:
955 Massachusetts Avenue
Cambridge, MA 02139**

Map 116, Lot 117

**Prepared by: Adam F. Braillard, Esq.
Prince Lobel Tye LLP
One International Place, Suite 3700
Boston, MA 02110
Telephone: (617) 456-8153
Facsimile: (617) 456-8100**

December 11, 2018

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**APPLICATION TO THE BOARD OF ZONING APPEALS
For Relief under Section 6409 of the Spectrum Act
Or For a Special Permit
for an Existing
WIRELESS COMMUNICATION FACILITY**

Property located at:

**955 Massachusetts Avenue
Cambridge, MA 02139**

Map 116, Lot 117

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SIGNATURE BY AUTHORIZED AGENT FOR OWNER

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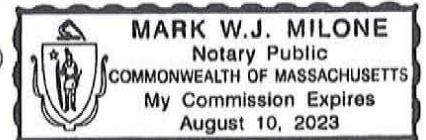
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The above-name JEFFREY LANKEWER personally appeared before me,

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MARK MILONE Notary

My commission expires AUGUST 10, 2023 (Notary Seal)



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BZA APPLICATION FORM

SUPPORTING STATEMENT FOR A VARIANCE

EACH OF THE FOLLOWING REQUIREMENTS FOR A VARIANCE MUST BE ESTABLISHED AND SET FORTH IN COMPLETE DETAIL BY THE APPLICANT IN ACCORDANCE WITH MGL 40A, SECTION 10:

- A)** A Literal enforcement of the provisions of this Ordinance would involve a substantial hardship, financial or otherwise, to the petitioner or appellant for the following reasons:

N/A

- B)** The hardship is owing to the following circumstances relating to the soil conditions, shape or topography of such land or structures and especially affecting such land or structures but not affecting generally the zoning district in which it is located for the following reasons:

N/A

- C) DESIRABLE RELIEF MAY BE GRANTED WITHOUT EITHER:**

- 1) Substantial detriment to the public good for the following reasons:

N/A

- 2) Relief may be granted without nullifying or substantially derogating from the intent or purpose of this Ordinance for the following reasons:

N/A

- * If You have any questions as to whether you can establish all of the applicable legal requirements, you should consult with your own attorney.

BZA APPLICATION FORM

SUPPORTING STATEMENT FOR A SPECIAL PERMIT

Please describe in complete detail how you meet each of the following criteria referring to the property and proposed changes or uses which are requested in your application. Attach sheets with additional information for special permits which have additional criteria, e.g.; fast food permits, comprehensive permits, etc., which must be met.

Granting the Special Permit requested for 955 Massachusetts Avenue (location) would not be a detriment to the public interest because:

- A) Requirements of the Ordinance can or will be met for the following reasons:

Please see the attached supporting statement.

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

Please see the attached supporting statement.

- C) 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:

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- D) 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:

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- E) For other reasons, the proposed use would 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:

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December 11, 2018

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Board of Zoning Appeals
831 Massachusetts Avenue
Cambridge, MA 02139

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FAX: 617 456 8100

(the “Proposed Facility”). All of the proposed antennas and RRH units will be installed on the roof or façade of the existing building located at the Property (the “Building”). The antennas mounted to the façade of the Building will be painted to match the façade of the building. The Applicant’s facilities are 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

As noted above, the Applicant proposes to modify its existing wireless facility currently operating on the rooftop of the Building by replacing three (3) existing panel antennas with three (3) new panel antennas. All of the proposed antennas and RRH units will be installed on the roof or façade of the Building. The antennas mounted to the façade of the Building will be painted to match the façade of the building. The new antennas will be installed to be consistent with the previous decisions of the Board for this facility, dated October 24, 2002 (Case NO.8593) (the “Original Decision”), the first subsequent decision, dated December 5th, 2012 (Case No. 10335), and the second subsequent decision, dated December 19th 2016 (Case No. BZA-011652-2016) (the “Previous Decisions”) (together, the Original and the Previous Decisions shall hereafter be referred to as the “Decisions”). Consequently, the visual change to the Applicant’s existing facility will be de minimus.

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 C-2B zoning district 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 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. As demonstrated in the Affidavit of Radio Frequency Expert provided by the Applicant and attached hereto, 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 BC zoning 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 C-2B zoning 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 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 roof, the chimney, and the façade and of the Building, replacing three (3) of the existing antennas, and in conformity with the Decision.

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 C-2B Zoning District but nonresidential uses predominate in the area. For example, the UPS Store, Allston Insurance, Dado Tea, Workers Compensation Research Institute, Keller Williams Realty, all located within the building at 955 Massachusetts Avenue, the Dumpling House across the street and John and Nicks auto service as an abutter. Furthermore, the Board, in the Decisions has previously found that nonresidential uses predominate in the area.

As such, the Applicant submits that nonresidential uses predominate in the area, and in keeping with the Decisions, respectfully requests that the Board find the same.

B. The Applicant complies with the Special Permit Criteria set forth in Section 10-43 of the Ordinance²:

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:

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.

² 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.

4. 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.

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 C-2B zoning districts.

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 for tin Section 19.30 of the Ordinance:

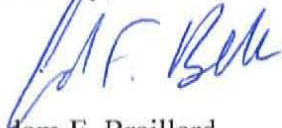
Not Applicable. The Applicant is not proposing to construct a new building or structure.

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 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

3

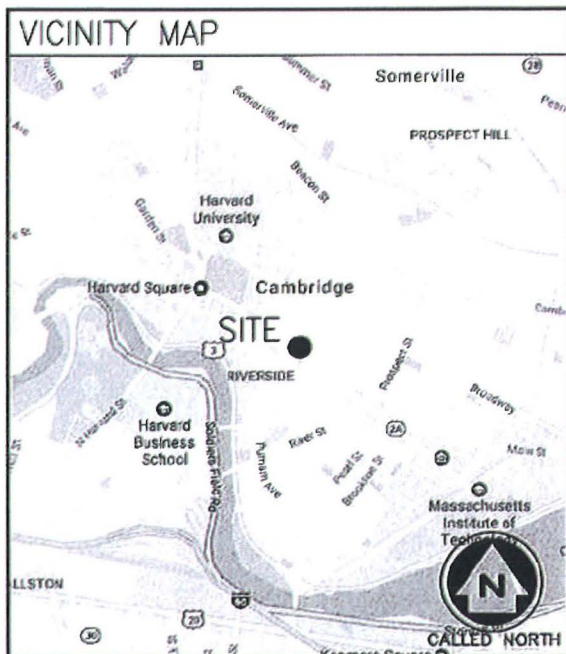
T-MOBILE NORTHEAST LLC

4BN0029B

BN029/955 MASS AVE

955 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02139

(792DB OUTDOOR CONFIGURATION)



DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



GENERAL NOTES

1. 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 SPECIFICATIONS, 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.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONSTRUCT 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.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE T-MOBILE REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF THE CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXPENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING OF ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. 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.
6. 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.
7. 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.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUM OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. 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 CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS AND INSPECTIONS WHICH ARE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY, OR LOCAL GOVERNMENT AUTHORITY.
11. 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.
12. 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 PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS, AS WELL AS THE LATEST EDITIONS OF ANY PERTINENT STATE SAFETY REGULATIONS.
14. THE CONTRACTOR SHALL NOTIFY THE T-MOBILE 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 T-MOBILE REPRESENTATIVE.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC., ON THE JOB.
16. THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITION AT THE COMPLETION OF WORK.

PROJECT SUMMARY

SITE NUMBER:	4BN0029B	APPLICANT:	T-MOBILE NORTHEAST LLC
SITE NAME:	BN029/955 MASS AVE		400 STREET RD
SITE ADDRESS:	955 MASSACHUSETTS AVENUE		BENSALEM, PA 19020
	CAMBRIDGE, MA 02139	PROJECT MANAGER:	AMERICAN TOWER CORPORATION
TOWER OWNER:	AMERICAN TOWER CORPORATION		116 HUNTINGTON AVENUE, 11TH FLOOR
			BOSTON, MA 02116
ATC SITE NUMBER:	US-MA-6019	CONTACT:	KATHLEEN BURKE
LAT./LONG.:	N 42.36889° / W 71.10964°		781-926-4636
CONSTRUCTION TYPE:	IIB	ARCHITECT/ENGINEER:	INFINIGY ENGINEERING
USE GROUP:	U		1033 WATERVLIET SHAKER ROAD
			ALBANY, NY 12205
		CONTACT:	ALEX WELLER
			518-690-0790

PROJECT DESCRIPTION

- | | | |
|---|---|---|
| <input type="checkbox"/> EXISTING MONOPOLE | <input checked="" type="checkbox"/> EXISTING CABINET(S) | <input checked="" type="checkbox"/> OUTDOOR |
| <input type="checkbox"/> EXISTING LATTICE TOWER | <input checked="" type="checkbox"/> EXISTING RBS 2108 | <input type="checkbox"/> INDOOR |
| <input type="checkbox"/> EXISTING TRANSMISSION TOWER | <input type="checkbox"/> EXISTING RBS 3106 | <input checked="" type="checkbox"/> EXISTING ROOF CURBS |
| <input type="checkbox"/> EXISTING WATER TANK | <input type="checkbox"/> EXISTING RBS 6201 | <input type="checkbox"/> EXISTING STEEL PLATFORM |
| <input checked="" type="checkbox"/> EXISTING BUILDING | <input checked="" type="checkbox"/> EXISTING RBS 6131 | <input checked="" type="checkbox"/> EXISTING PPC |
| <input type="checkbox"/> EXISTING FLAGPOLE | <input type="checkbox"/> SITE SUPPORT CABINET | <input type="checkbox"/> PANELBOARD |
| <input type="checkbox"/> EXISTING FORT WORTH | <input type="checkbox"/> GPS | |

T-MOBILE NORTHEAST LLC PROPOSES THE MODIFICATION OF AN UNMANNED WIRELESS BROADBAND FACILITY. PROPOSED REMOVE AND REPLACE (3) PANEL ANTENNAS, ADDITIONAL OF (4) 6 AWG DC CABLES. REUSE, GPS ANTENNA AND EXISTING EQUIPMENT CABINETS.

SHEET INDEX

SHEET	DESCRIPTION	REVISION
T-1	TITLE SHEET	0
C-1	SITE PLAN	0
C-2	EQUIPMENT PLAN & ELEVATION	0
C-3	ANTENNA ORIENTATION & RF SCHEDULE	0
C-4	EQUIPMENT SPECIFICATIONS	0
E-1	GROUNDING AND POWER DIAGRAMS	0
E-2	COAX/FIBER PLUMBING DIAGRAM	0
N-1	GENERAL AND ELECTRICAL NOTES	0

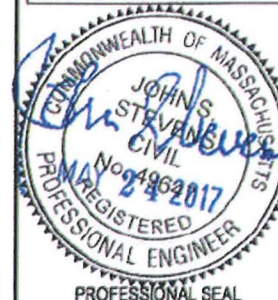


INFINIGY
1033 WaterVliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

SUBMITTALS		
DATE	DESCRIPTION	REVISION
05/24/17	FOR PERMIT	0

DEPT.	DATE	APP'D	REVISIONS
RTE			
BY MAN			
ZONING			
OPS			
CONTR.			
SITE AC			

PROJECT NO: 317-000
DRAWN BY: JDL
CHECKED BY: ASW



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NOTE: IF DRAWINGS ARE 22"x34", USE GRAPHICAL SCALE AND/OR 1/2 TIMES OF THE NOTED SCALE.

SITE NUMBER:
4BN0029B

SITE NAME:
BN029/955 MASS AVE

955 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02139

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

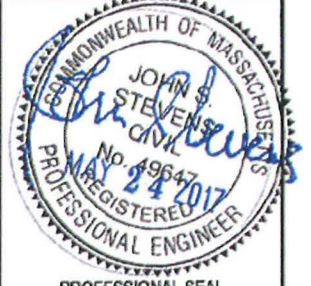
SHEET 1 OF 8 SHEETS

SUBMITTALS

DATE	DESCRIPTION	REVISION
05/14/17	FOR PERMIT	0

DEPT.	DATE	APP'D	REVISIONS
RFI			
RF MIN.			
ZONING			
OPS			
CONSTR.			
SITE AC.			

PROJECT NO: 317-000
DRAWN BY: JDL
CHECKED BY: ASW



PROFESSIONAL SEAL

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SITE NUMBER:
4BN0029B
SITE NAME:
BN029/955 MASS AVE
955 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02139

SHEET TITLE
**COAX/FIBER
PLUMBING
DIAGRAM**

SHEET NUMBER
E-2
SHEET 7 OF 8 SHEETS

CONTRACTOR TO VERIFY LATEST T-MOBILE RFDS

1 792DB OUTDOOR CONFIGURATION COAX/FIBER PLUMBING DIAGRAM
NOT TO SCALE

4

INFINIGY®

FROM ZERO TO INFINIGY
the solutions are endless

Structural Analysis Report

May 31, 2017

Site Name	4B0029B
Infinigy Job Number	317-501
Client	American Tower
Proposed Carrier	T-Mobile
Site Location	955 Massachusetts Avenue, Cambridge, MA 02139 42° 22' 8.004" N NAD83 71° 6' 34.7034" W NAD83
Structure Type	Wall Mounted Equipment
Structural Usage Ratio	5.6% - Alpha; 5.5% - Beta; 50.2% - Gamma
Overall Result	PASSING

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA and ASCE code requirements. The wall mounts and connections are therefore deemed adequate to support the existing and proposed loading as listed in this report.



05/31/2017

AZ CA CO FL GA IL MD NC NH NJ NY TX WA

INFINIGY®

Structural Analysis Report

May 31, 2017

Contents

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Analysis Code Requirements.....	3
Conclusion.....	3
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Final Loading Configuration.....	5
Structure Usages.....	5
Anchor Reactions.....	5
Assumptions and Limitations.....	6
Calculations.....	Appended

May 31, 2017

Introduction

Infinigy Engineering has been requested to perform a structural analysis on the existing antenna supporting structures. All supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The antenna mounts were analyzed using RISA 3D v. 13.0.0 software.

Supporting Documentation

Proposed Loading	RFDS provided by T-Mobile, dated 3/9/2017
Construction Drawings	Infinigy Engineering, PLLC, Dated 05/09/2017

Analysis Code Requirements

Wind Speed	105 mph (3-Second Gust)
Wind Speed w/ ice	40 mph (3-Second Gust) w/ 3/4" ice
TIA Revision	ANSI/TIA-222-G
Adopted IBC	2009 IBC / 2010 Massachusetts State Building Code, 8 th Ed.
Structure Class	II
Exposure Category	C
Topographic Category	1

Conclusion

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA and ASCE code requirements. The wall mounts and connections are therefore deemed adequate to support the existing and proposed loading as listed in this report.

The structure configuration and sizes presented in this report are based on the data obtained from provided photos and past engineering experience. Before any installation please verify all assumed values in field. If you have any questions, require any additional information, or if actual conditions differ from those detailed in this report, please contact us via the information below:

Dmitriy Albul, P.E.
structural@infinigy.com | www.infinigy.com

May 31, 2017

Existing & Reserved Loading

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Coax & Lines	Sector
113.0	1	Ericsson KRC118046-1 B2P/B4A	Wall Mounted	(2) 7/8"	Alpha
	1	Ericsson KRC118023-1 B2A/B4P			
	1	Andrew LNX-6514DS-A1M			
	1	Ericsson RRUS 11 B12			
	1	Style 1B – TWIN AWS			
	1	Ericsson KRC118046-1 B2P/B4A			
	1	Ericsson KRC118023-1 B2A/B4P		(2) 1-5/8"	Beta
	1	Andrew LNX-6514DS-A1M			
	1	Ericsson RRUS 11 B12			
	1	Style 1B – TWIN AWS			
	1	Ericsson KRC118046-1 B2P/B4A			
	1	Ericsson KRC118023-1 B2A/B4P			
	1	Andrew LNX-6514DS-A1M		(2) 7/8"	Gamma
	1	Ericsson RRUS 11 B12			
1	Style 1B – TWIN AWS				
1	Style 1B – TWIN AWS				

To Be Removed Loading

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Coax & Lines	Sector
113.0	1	Ericsson KRC118046-1 B2P/B4A	--	--	Alpha
	1	Ericsson KRC118046-1 B2P/B4A			Beta
	1	Ericsson KRC118046-1 B2P/B4A			Gamma

Proposed Loading

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Coax & Lines	Sector
113.0	1	Ericsson KRD901146-1 B66A/B2A	--	(4) DC Cables	Alpha
	1	Ericsson KRD901146-1 B66A/B2A			Beta
	1	Ericsson KRD901146-1 B66A/B2A			Gamma

May 31, 2017

Final Loading Configuration

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Coax & Lines	Sector
113.0	1	Ericsson KRD901146-1 B66A/B2A	Wall Mounted	(2) 7/8" (1) DC Cable	Alpha
	1	Ericsson KRC118023-1 B2A/B4P			
	1	Andrew LNX-6514DS-A1M			
	1	Ericsson RRUS 11 B12			
	1	Style 1B – TWIN AWS			
	1	Ericsson KRD901146-1 B66A/B2A			
	1	Ericsson KRC118023-1 B2A/B4P		(2) 1-5/8" (2) DC Cable	Beta
	1	Andrew LNX-6514DS-A1M			
	1	Ericsson RRUS 11 B12			
	1	Style 1B – TWIN AWS			
	1	Ericsson KRD901146-1 B66A/B2A			
	1	Ericsson KRC118023-1 B2A/B4P			
	1	Andrew LNX-6514DS-A1M		(2) 7/8" (1) DC Cable	Gamma
	1	Ericsson RRUS 11 B12			
1	Style 1B – TWIN AWS				
1	Style 1B – TWIN AWS				

Structural Usages

Component Type	% Capacity	Pass / Fail
Beta Mount Bracket	11.7	Pass
Gamma Sector Angles	12.7	Pass
Summary	12.7	Pass

Anchor Bolt Capacity

Reaction Data	% Capacity	Pass / Fail
Alpha Sector*	5.6	Pass
Beta Sector*	5.5	Pass
Gamma Sector**	50.2	Pass
Summary	50.2	Pass

*Assumed (4) 1/2" HILTI-HIT HY200 anchors with 6" embedment per connection. Contractor to field verify anchor diameters prior to proposed installation.

**Assumed (2) 1/4x1-1/2" Simpson SDS Screws per angle. Contractor to field verify screw diameters prior to proposed installation.

- Anchor reactions are acceptable when compared to manufacturer's listed capacities.

Assumptions and Limitations

Our structural calculations are completed assuming all information provided to Infinigy Engineering is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition of “like new” and all members, connections, anchors, and masonry to be free of corrosion and/or structural defects. The structure owner and/or contractor shall verify the structure’s condition prior to installation of any proposed equipment. If actual conditions differ from those described in this report Infinigy Engineering should be notified immediately to complete a revised evaluation.

Our evaluation is completed using standard TIA, AISC, ACI, and ASCE methods and procedures. Our structural results are proprietary and should not be used by others as their own. Infinigy Engineering is not responsible for decisions made by others that are or are not based on our supplied assumptions and conclusions.

This report is an evaluation of the rooftop mounted equipment and/or antenna supporting structures to be proposed or modified as shown in the referenced construction drawings. Applicable building element adequacy to support these structures is also evaluated when the applied forces increase significantly based on engineering judgment.

Site Name:	4BN0029B
Client:	American Tower
Carrier:	T-Mobile
Engineer:	DVA
Date:	5/31/2017



INFINIGY WIND LOAD CALCULATOR 3.0

Site Information Inputs:

Adopted Building Code:	2009 IBC
Structure Load Standard:	TIA-222-G
Antenna Load Standard:	TIA-222-G
Structure Risk Category:	II
Structure Type:	Rooftop
Number of Sectors:	3
Structure Shape 1:	Flat

Rooftop Inputs:
Rooftop Wind Speed-Up?: **No**

Wind Loading Inputs:

Design Wind Velocity:	105	mph (nominal 3-second gust)
Wind Centerline 1 (z ₁):	113.0	ft
Side Face Angle (θ):	90	degrees
Exposure Category:	C	
Topographic Category:	1	

Wind with No Ice		
q _z (psf)	G _h	F _{ST} (psf)
31.15	0.85	52.96

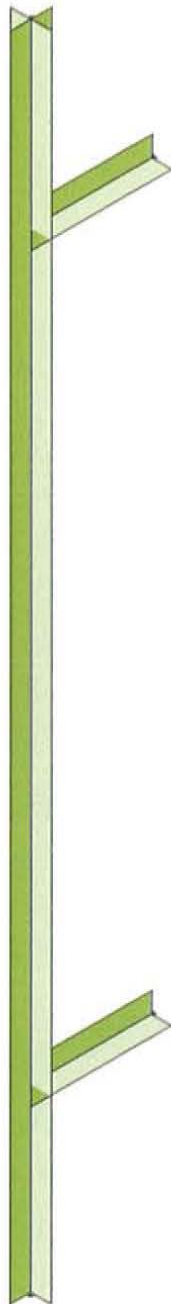
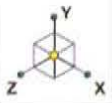
Wind with ice		
q _z (psf)	G _h	F _{ST} (psf)
4.52	0.85	#DIV/0!

Ice Loading Inputs:

Is Ice Loading Needed?:	Yes	
Ice Wind Velocity:	40	mph (nominal 3-second gust)
Base Ice Thickness:	0.75	in

Input Appurtenance Information and Load Placements:

Appurtenance Name	Elevation (ft)	Total Quantity	K _a	Front Shape	Side Shape	q _z (psf)	EPA (ft ²)	F _z (lbs)	F _x (lbs)	F _{z(90)} (lbs)	F _{x(0)} (lbs)
Ericsson KRD 901 146-1 B66A/B2A	113.0	3	1.00	Flat	Flat	31.15	6.51	172.39	124.79	124.79	172.39



Infinigy Engineering PLLC

DVA

317-501

4BN0029B (Alpha)

RISA-3D Model

SK - 1

May 31, 2017 at 3:32 PM

4BN0029B (Alpha).r3d

INFINIGY

FROM ZERO TO INFINIGY
the solutions are endless

ANCHOR BOLT CALCULATIONS (HILTI-HIT HY 200)

Customer: American Tower
Site Name: 4BN0029B (Alpha Sector)
Job Number: 317-501
Structure Type: Rooftop
Date: 5/31/2017

Input Information:

Bolts, **N**
Distance b/w Bolts, **L**
Bolt Diameter, **d**
Threads per Inch, **n**

Existing Bolts

4
6 in
0.5 in
13

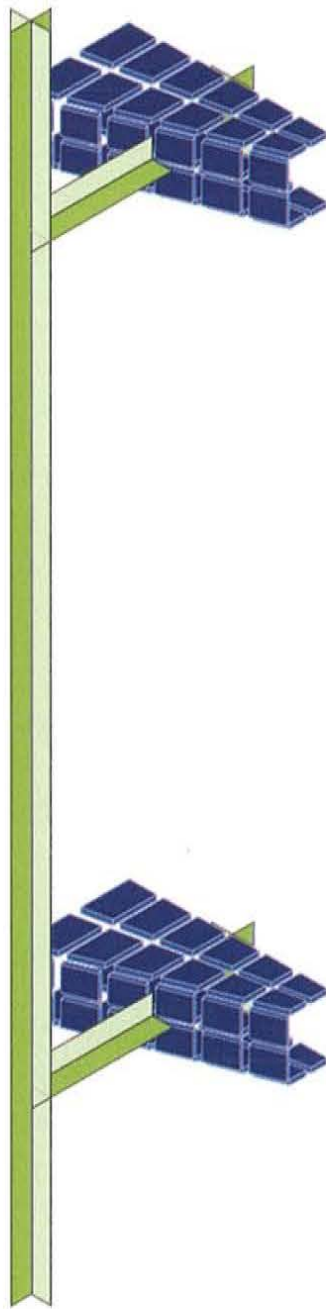
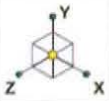
Applied Pull-Out Load, **T**
Applied Shear, **S**
Applied Moment, **M**

0.006 kips
0.100 kips
0.599 kip-in

Net Bolt Cross-Sectional Area, **A_n** 0.142 in² (each)
Bolt Group Moment of Inertia, **I** 36.000 in⁴
Maximum Tensile Force (per bolt) 0.051 kips
Maximum Shear Force (per bolt) 0.176 kips
Nominal Tensile Strength (per bolt), **R_{nt}** 8.19 kips
Nominal Shear Strength (per bolt), **V_{nt}** 3.53 kips
Anchor Rod Interaction Equation 0.06

% Capacity 5.6%

The Bolt Group is Adequate for Loading



Infinigy Engineering PLLC
DVA
317-501

4BN0029B, MA (Beta)
RISA-3D Model

SK - 1
May 31, 2017 at 3:49 PM
4BN0029B (Beta).r3d

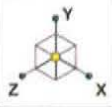
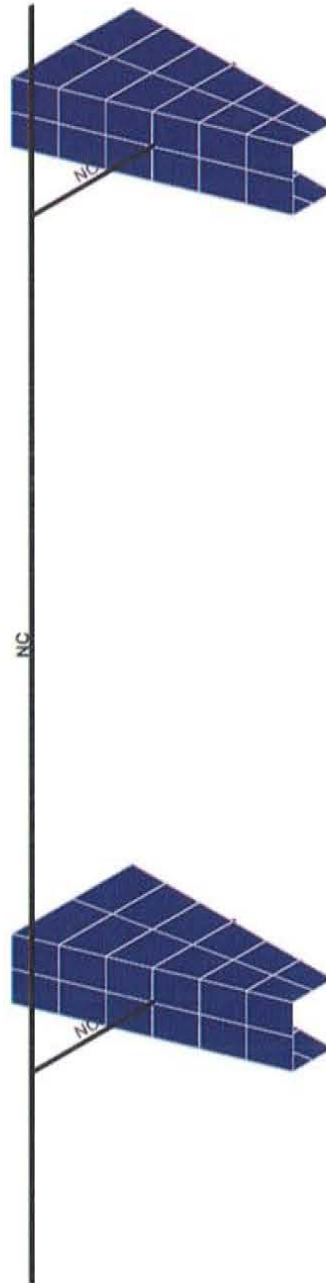


Plate Behavior
■ Plane Stress
■ Full Bending

Code Check
(LC 1)
■ No Calc
■ > 1.0
■ 90-1.0
■ 75-90
■ 50-75
■ 0 - 50



Member Code Checks Displayed
Results for LC 1, 1.4D

Infinigy Engineering PLLC	4BN0029B (Beta) Plate Stress Check	SK - 2
DVA		May 31, 2017 at 4:01 PM
317-501		4BN0029B (Beta).r3d

Envelope Plate/Shell Principal Stresses (Continued)

	Plate	Surf...		Sigma1 [ksi]	LC	Sigma2 [ksi]	LC	Tau Max [ksi]	LC	Angle [rad]	LC	Von Mises [ksi]	LC
21	P13	max	T	3.956	5	1.614	6	1.318	11	1.148	17	3.449	5
22		min		-1.231	24	-3.666	23	.098	42	-.365	23	.279	50
23		max	B	3.468	23	1.171	24	1.239	11	2.316	14	3.431	5
24		min		-1.519	6	-3.922	5	.228	20	-.606	7	.455	48
25	P24	max	T	3.666	17	1.1	18	1.318	5	1.936	16	3.449	11
26		min		-1.745	12	-3.956	11	.098	48	.422	23	.279	44
27		max	B	3.923	11	1.644	12	1.239	5	2.13	13	3.431	11
28		min		-1.047	18	-3.468	17	.228	14	-.745	20	.455	42
29	P14	max	T	3.624	17	.971	18	1.376	5	1.938	16	3.484	11
30		min		-1.918	12	-4.013	11	.092	20	.423	23	.186	8
31		max	B	3.951	11	1.815	12	1.306	5	2.146	13	3.437	11
32		min		-.923	18	-3.444	17	.229	48	-.669	20	.419	20
33	P66	max	T	2.183	31	1.245	36	.54	5	2.273	22	1.892	31
34		min		.584	25	.078	17	.021	13	-.6	10	.528	25
35		max	B	-.213	23	-.472	25	.311	4	1.992	15	1.411	30
36		min		-1.161	36	-1.581	30	.031	25	.56	24	.445	25
37	P44	max	T	2.083	31	1.226	36	.524	5	2.176	22	1.807	31
38		min		.582	25	.07	17	.047	13	-.781	10	.514	14
39		max	B	-.223	16	-.456	25	.331	4	2.034	14	1.431	30
40		min		-1.152	36	-1.613	30	.012	25	.532	24	.445	25
41	P68	max	T	1.957	36	1.265	31	.376	11	1.847	3	1.717	35
42		min		.439	15	.222	16	.023	19	-.432	14	.395	15
43		max	B	-.056	17	-.268	16	.16	12	2.356	8	1.329	36
44		min		-1.171	36	-1.445	36	.022	15	-.732	20	.232	16
45	P46	max	T	1.862	36	1.221	32	.364	11	1.802	3	1.636	35
46		min		.426	15	.189	16	.013	19	-.484	14	.378	15
47		max	B	-.078	17	-.247	16	.185	12	2.348	4	1.335	36
48		min		-1.155	36	-1.462	36	.033	15	-.783	20	.217	16
49	P15	max	T	1.686	11	.559	36	1.059	5	1.104	24	1.835	5
50		min		.508	20	-1.091	17	.137	14	-.312	17	.464	14
51		max	B	1.174	17	-.548	20	1.055	5	2.185	14	1.828	5
52		min		-.557	36	-1.789	11	.164	14	-.785	9	.497	14
53	P25	max	T	1.634	11	.47	36	1.092	5	1.098	24	1.892	5
54		min		.513	20	-1.132	17	.136	14	-.312	17	.449	14
55		max	B	1.218	17	-.552	14	1.094	5	2.298	9	1.897	5
56		min		-.473	36	-1.732	11	.159	14	-.724	21	.48	14
57	P55	max	T	1.613	36	1.152	30	.326	11	2.325	15	1.431	36
58		min		.458	19	.223	16	.01	19	-.723	3	.448	19
59		max	B	-.07	23	-.561	19	.524	11	2.214	20	1.807	37
60		min		-1.226	30	-2.083	37	.039	7	-.406	7	.509	19
61	P33	max	T	1.581	36	1.161	30	.308	11	2.323	15	1.411	36
62		min		.464	19	.202	16	.018	19	-.741	3	.447	19
63		max	B	-.078	23	-.561	19	.541	12	2.124	20	1.892	37
64		min		-1.245	30	-2.183	37	.019	7	-.773	7	.522	19
65	P57	max	T	1.462	30	1.155	30	.174	6	1.008	24	1.335	30
66		min		.261	22	.07	24	.037	22	-.354	19	.233	22
67		max	B	-.21	23	-.43	21	.364	5	1.399	13	1.636	29
68		min		-1.221	38	-1.862	30	.011	25	-.635	25	.389	21
69	P35	max	T	1.445	30	1.171	30	.152	12	1.011	24	1.329	30
70		min		.281	22	.049	24	.032	21	-.324	19	.245	22
71		max	B	-.242	23	-.441	21	.376	5	2.064	25	1.717	29
72		min		-1.265	37	-1.957	30	.013	25	-.262	24	.407	21
73	P9	max	T	1.439	5	.514	30	1.142	11	2.106	14	1.978	11
74		min		.316	14	-1.13	23	.039	2	-.693	2	.278	14
75		max	B	1.284	23	-.263	14	1.227	11	1.889	25	2.126	11
76		min		-.495	30	-1.542	5	.015	14	.329	15	.25	14
77	P19	max	T	1.366	5	.359	30	1.203	11	2.152	7	2.085	11

Envelope Plate/Shell Principal Stresses (Continued)

Plate	Surf...	Sigma1 [ksi]	LC	Sigma2 [ksi]	LC	Tau Max [ksi]	LC	Angle [rad]	LC	Von Mises [ksi]	LC	
78	min	.271	14	-1.185	23	.02	14	-.473	14	.253	14	
79	max	B 1.333	23	-.272	14	1.282	11	1.886	25	2.222	11	
80	min	-.353	30	-1.478	5	.031	14	.333	16	.247	14	
81	P56	max	T 1.215	17	.366	18	1.051	37	2.264	21	2.287	12
82	min	-.755	12	-2.569	12	.15	19	1.136	18	.302	20	
83	max	B 2.082	12	.795	12	.849	37	.632	22	1.848	37	
84	min	-.338	18	-.87	17	.129	19	-.239	18	.303	20	
85	P10	max	T 1.185	17	-.271	20	1.203	5	2.044	20	2.084	5
86	min	-.359	36	-1.366	11	.02	20	-.498	13	.253	20	
87	max	B 1.478	11	.353	36	1.282	5	1.238	22	2.221	5	
88	min	.272	20	-1.333	17	.031	20	-.313	18	.247	20	
89	P34	max	T 1.175	17	.263	18	1.198	37	2.212	22	2.513	37
90	min	-.805	12	-2.714	12	.193	19	1.199	18	.385	20	
91	max	B 2.242	37	.839	12	.942	37	.602	22	2.086	37	
92	min	-.255	18	-.835	17	.161	19	-.197	17	.369	19	
93	P16	max	T 1.132	23	-.513	14	1.092	11	1.882	23	1.892	11
94	min	-.47	30	-1.634	5	.136	20	.476	17	.449	20	
95	max	B 1.732	5	.473	30	1.094	11	2.309	3	1.897	11	
96	min	.552	20	-1.218	23	.159	20	-.523	20	.48	20	
97	P20	max	T 1.13	17	-.316	20	1.142	5	2.264	8	1.978	5
98	min	-.514	36	-1.439	11	.039	8	-.535	20	.278	20	
99	max	B 1.542	11	.495	36	1.227	5	1.245	21	2.126	5	
100	min	.263	20	-1.285	17	.015	20	-.315	18	.25	20	
101	P26	max	T 1.091	23	-.508	14	1.059	11	1.883	23	1.835	11
102	min	-.559	30	-1.686	5	.137	20	.471	17	.464	20	
103	max	B 1.789	5	.557	30	1.055	11	2.267	3	1.828	11	
104	min	.548	14	-1.174	23	.164	20	-.614	20	.497	20	
105	P60	max	T .886	23	.168	23	.483	36	2.018	17	1.179	5
106	min	-.819	5	-1.351	5	.151	19	.996	23	.362	20	
107	max	B 1.112	30	.685	5	.395	34	.091	16	.989	30	
108	min	-.187	23	-.514	23	.123	14	-.389	22	.229	25	
109	P45	max	T .87	23	.413	24	.849	31	2.211	16	1.847	31
110	min	-.776	5	-2.006	5	.131	25	1.274	24	.303	14	
111	max	B 2.478	5	.721	5	1.051	31	.702	15	2.207	5	
112	min	-.433	24	-1.215	23	.172	14	-.478	24	.303	14	
113	P38	max	T .851	23	.155	23	.469	36	2.032	17	1.216	5
114	min	-.839	5	-1.395	5	.154	14	1.004	23	.364	20	
115	max	B 1.141	30	.707	5	.379	34	.13	16	1.005	30	
116	min	-.181	23	-.491	23	.12	14	-.37	22	.216	25	
117	P67	max	T .835	23	.332	24	.942	31	2.183	16	2.085	31
118	min	-.823	5	-2.24	31	.161	25	1.327	24	.371	14	
119	max	B 2.616	5	.778	5	1.198	31	.651	16	2.512	31	
120	min	-.335	24	-1.175	23	.211	14	-.417	24	.385	14	
121	P71	max	T .491	17	.181	17	.379	28	1.68	22	1.005	36
122	min	-.707	11	-1.141	36	.12	20	1.188	16	.21	19	
123	max	B 1.395	11	.839	11	.469	30	.461	23	1.216	11	
124	min	-.155	17	-.852	17	.154	20	-.567	16	.356	19	
125	P49	max	T .514	17	.187	17	.395	28	1.641	22	.989	36
126	min	-.685	11	-1.112	36	.123	20	1.17	16	.218	19	
127	max	B 1.351	11	.819	11	.483	30	.447	23	1.179	11	
128	min	-.168	17	-.886	17	.155	20	-.576	16	.362	14	
129	P17A	max	T .643	11	.209	9	.409	5	2.356	11	.722	5
130	min	.083	14	-.558	17	.052	20	-.771	10	.129	14	
131	max	B .506	17	-.085	14	.351	5	2.307	17	.625	5	
132	min	-.227	9	-.578	11	.056	20	.886	23	.143	14	
133	P27	max	T .624	30	.1	35	.374	5	.831	18	.688	5
134	min	.168	14	-.23	24	.087	20	-.498	23	.184	14	

Envelope Plate/Shell Principal Stresses (Continued)

Plate	Surf...	Sigma1 [ksi]	LC	Sigma2 [ksi]	LC	Tau Max [ksi]	LC	Angle [rad]	LC	Von Mises [ksi]	LC
135	max	.175	24	-.144	25	.286	5	2.326	18	.552	5
136	min	-.142	34	-.58	30	.058	21	1.01	23	.151	21
137	max	.608	11	.184	9	.415	5	2.346	24	.738	5
138	min	.065	14	-.585	17	.056	20	-.783	11	.137	14
139	max	.535	5	-.067	14	.357	5	2.306	17	.644	5
140	min	-.201	9	-.542	11	.06	20	.891	23	.152	14
141	max	.599	30	.063	8	.371	5	.821	18	.678	5
142	min	.162	14	-.246	24	.087	20	-.49	23	.187	14
143	max	.192	24	-.139	25	.285	5	2.312	18	.544	5
144	min	-.095	33	-.556	30	.064	21	1.023	23	.15	21
145	max	.585	23	-.065	20	.415	11	2.354	5	.738	11
146	min	-.181	3	-.608	5	.056	14	-.78	18	.137	20
147	max	.542	5	.204	3	.357	11	.68	17	.644	11
148	min	.067	20	-.535	11	.06	14	-.735	23	.152	20
149	max	.582	22	.377	22	.991	29	2.337	11	1.99	4
150	min	-.369	16	-2.147	4	.037	21	-.775	24	.313	24
151	max	1.75	29	.432	4	.802	30	1.722	23	1.681	29
152	min	-.28	22	-.377	22	.005	23	-.648	22	.134	24
153	max	.558	23	-.083	20	.409	11	2.349	4	.722	11
154	min	-.206	3	-.643	5	.052	14	-.785	5	.129	20
155	max	.578	5	.23	3	.351	11	.684	17	.625	11
156	min	.085	20	-.506	23	.056	14	-.736	23	.143	20
157	max	.502	4	.024	14	.31	11	2.185	15	.564	11
158	min	.061	20	-.486	10	.06	14	.776	24	.134	14
159	max	.423	10	-.057	20	.276	10	.776	16	.501	10
160	min	-.039	14	-.316	16	.04	14	-.541	24	.105	14
161	max	.462	17	-.34	16	.543	31	2.261	30	1.402	36
162	min	-.498	36	-1.583	36	.186	14	-.776	8	.408	15
163	max	1.406	36	.451	36	.477	36	1.369	17	1.243	36
164	min	.188	16	-.273	17	.121	15	.312	24	.243	15
165	max	.314	16	.267	16	.855	36	2.113	17	1.9	35
166	min	-.494	10	-2.046	35	.023	16	.959	16	.196	18
167	max	2.395	35	.437	10	1.099	35	1.202	16	2.302	35
168	min	-.306	16	-.557	16	.02	15	-.148	14	.295	3
169	max	.481	17	-.354	16	.56	31	2.306	30	1.407	36
170	min	-.483	36	-1.585	36	.184	14	-.74	8	.429	15
171	max	1.416	36	.442	36	.487	36	1.367	17	1.255	36
172	min	.201	16	-.284	17	.132	15	.328	24	.259	15
173	max	.469	23	.288	22	1.099	29	2.269	24	2.304	29
174	min	-.453	4	-2.396	29	.056	21	-.557	23	.27	21
175	max	2.047	29	.516	4	.855	30	.542	23	1.901	29
176	min	-.21	22	-.285	22	.024	23	-.334	22	.162	24
177	max	.462	16	.01	14	.336	11	2.144	15	.617	11
178	min	.059	20	-.543	10	.052	14	.795	24	.11	14
179	max	.482	10	-.05	19	.305	10	.737	16	.557	10
180	min	-.017	14	-.276	16	.039	14	-.536	24	.088	14
181	max	.273	23	-.197	23	.477	30	2.287	36	1.243	30
182	min	-.451	30	-1.406	30	.114	21	-.768	2	.25	21
183	max	1.583	30	.498	30	.543	37	1.201	23	1.402	30
184	min	.347	22	-.462	23	.186	20	.097	17	.392	21
185	max	.284	23	-.21	23	.487	30	2.325	36	1.255	30
186	min	-.442	30	-1.416	30	.124	21	-.738	2	.263	21
187	max	1.585	30	.483	30	.56	37	1.206	23	1.407	30
188	min	.361	22	-.48	23	.184	20	.111	17	.41	21
189	max	.425	16	.318	16	.802	36	1.839	18	1.68	35
190	min	-.411	10	-1.749	35	.005	17	.151	17	.145	18
191	max	2.057	10	.353	22	.991	36	1.977	15	1.982	35

Envelope Plate/Shell Principal Stresses (Continued)

Plate	Surf...		Sigma1 [ksil]	LC	Sigma2 [ksil]	LC	Tau Max [ksil]	LC	Angle [rad]	LC	Von Mises [ksil]	LC
192		min	-.394	16	-.671	16	.023	15	-.222	14	.274	18
193	P50	max	.316	17	.023	5	.366	11	2.306	6	.726	11
194		min	.005	24	-.72	11	.034	19	-.731	15	.059	19
195		max	.575	11	.039	23	.302	36	.927	17	.583	36
196		min	-.072	17	-.151	17	.014	18	-.399	22	.061	15
197	P52	max	.077	23	.051	23	.365	30	2.132	19	.919	30
198		min	-.303	30	-1.032	30	.013	23	1.875	23	.053	22
199		max	.999	30	.283	30	.358	30	.606	21	.892	30
200		min	.11	23	-.075	23	.092	24	.455	15	.16	24
201	P72	max	.296	17	.023	5	.38	11	2.233	6	.753	11
202		min	.006	24	-.747	11	.039	3	-.766	15	.069	19
203		max	.608	36	.04	23	.323	36	.897	17	.628	36
204		min	-.07	17	-.135	17	.015	18	-.402	22	.056	15
205	P30	max	.082	23	.054	23	.365	30	2.129	19	.909	30
206		min	-.292	5	-1.018	30	.014	23	1.823	23	.051	22
207		max	.988	30	.276	5	.357	30	.602	22	.883	30
208		min	.108	23	-.077	23	.091	24	.442	15	.159	24
209	P59	max	.289	22	.039	20	.292	4	2.338	22	.53	4
210		min	.057	14	-.449	4	.04	20	1.035	17	.105	20
211		max	.518	4	-.061	14	.32	4	.608	21	.589	4
212		min	-.024	20	-.485	11	.06	20	-.784	18	.134	20
213	P41	max	.075	17	-.11	17	.358	36	2.185	16	.892	36
214		min	-.283	36	-.999	36	.093	17	2.024	21	.161	17
215		max	1.032	36	.303	36	.365	36	.559	25	.919	36
216		min	-.051	17	-.077	17	.013	17	.304	17	.048	16
217	P63	max	.077	17	-.108	17	.357	36	2.167	16	.883	36
218		min	-.276	11	-.988	36	.092	17	2.01	21	.16	17
219		max	1.018	36	.292	11	.365	36	.556	24	.909	36
220		min	-.054	17	-.082	17	.014	17	.252	17	.051	16
221	P42	max	.259	23	-.148	14	.434	5	1.78	9	.811	5
222		min	-.157	36	-.738	5	.055	14	-.753	20	.133	14
223		max	.683	30	.134	36	.327	5	2.195	13	.64	30
224		min	.126	25	-.11	17	.023	13	-.751	25	.116	25
225	P37	max	.249	22	.017	20	.321	4	2.293	22	.586	4
226		min	.054	14	-.508	4	.039	20	1.039	17	.088	20
227		max	.574	4	-.059	14	.348	4	.564	22	.643	4
228		min	-.01	20	-.444	23	.052	20	-.764	18	.11	20
229	P64	max	.247	23	-.156	25	.443	5	1.842	9	.83	5
230		min	-.148	36	-.759	5	.055	14	-.779	20	.139	14
231		max	.723	30	.132	36	.334	5	1.161	14	.68	30
232		min	.125	25	-.109	17	.01	13	-.675	13	.11	25
233	P28	max	.243	17	-.162	20	.371	11	2.06	17	.678	11
234		min	-.063	2	-.599	36	.087	14	.741	24	.187	20
235		max	.556	36	.095	27	.285	11	.554	16	.544	11
236		min	.135	19	-.182	17	.067	14	-.751	24	.166	15
237	P51	max	.206	23	-.237	23	.456	36	1.599	18	.918	37
238		min	-.228	5	-.945	29	.093	17	1.436	25	.302	20
239		max	1.049	30	.16	4	.496	30	.343	23	1.021	30
240		min	-.079	23	-.147	23	.034	23	-.13	17	.105	24
241	P18	max	.227	17	-.168	20	.374	11	2.068	17	.688	11
242		min	-.1	29	-.624	36	.087	14	.732	24	.184	20
243		max	.58	36	.142	28	.286	11	.571	16	.552	11
244		min	.139	19	-.166	17	.066	14	-.764	24	.165	20
245	P73	max	.212	23	-.229	23	.453	37	1.617	18	.904	37
246		min	-.219	5	-.92	29	.093	17	1.445	25	.298	20
247		max	1.015	30	.149	4	.492	30	.357	23	1	30
248		min	-.09	23	-.156	23	.033	23	-.13	17	.11	24

Envelope Plate/Shell Principal Stresses (Continued)

	Plate	Surf...		Sigma1 [ksi]	LC	Sigma2 [ksi]	LC	Tau Max [ksi]	LC	Angle [rad]	LC	Von Mises [ksi]	LC
249	P62	max	T	.147	17	.079	17	.496	36	1.914	17	1.021	36
250		min		-.158	11	-1.049	36	.034	17	1.441	23	.102	18
251		max	B	.945	35	.228	11	.456	30	.033	24	.918	31
252		min		.229	16	-.206	17	.093	23	-.135	19	.302	14
253	P40	max	T	.156	17	.09	17	.492	36	1.928	17	1	36
254		min		-.147	11	-1.015	36	.033	17	1.44	23	.105	18
255		max	B	.92	35	.219	11	.453	31	.053	24	.904	31
256		min		.22	16	-.212	17	.093	23	-.125	19	.298	14
257	P61	max	T	.151	23	.072	23	.302	30	2.278	24	.583	30
258		min		-.039	17	-.575	5	.019	24	-.759	22	.056	21
259		max	B	.72	5	-.006	17	.366	5	.957	23	.726	5
260		min		-.023	11	-.316	23	.033	25	-.462	17	.064	25
261	P39	max	T	.135	23	.07	23	.323	30	2.308	22	.628	30
262		min		-.04	17	-.608	30	.014	24	-.674	23	.058	21
263		max	B	.747	5	-.006	17	.38	5	.949	23	.753	5
264		min		-.023	11	-.296	23	.031	25	-.463	17	.056	25
265	P53	max	T	.11	23	-.116	19	.327	11	2.06	3	.64	36
266		min		-.134	30	-.683	36	.017	7	-.753	14	.101	19
267		max	B	.738	11	.157	30	.434	11	1.395	20	.811	11
268		min		.137	19	-.259	17	.055	20	-.538	19	.133	20
269	P31	max	T	.109	23	-.113	19	.334	11	2.055	3	.68	36
270		min		-.132	30	-.723	36	.011	7	-.781	14	.098	19
271		max	B	.759	11	.148	30	.443	11	1.262	20	.83	11
272		min		.138	19	-.247	17	.055	20	-.474	19	.139	20
273	P62A	max	T	.095	36	-.24	20	.419	37	2.337	3	.795	38
274		min		.027	15	-.745	28	.138	20	-.764	20	.259	20
275		max	B	.742	36	-.02	15	.414	36	1.11	23	.789	36
276		min		.217	19	-.091	11	.123	19	.428	17	.233	19
277	P40A	max	T	.094	36	-.244	20	.424	37	2.35	3	.806	38
278		min		.026	15	-.756	28	.139	20	-.75	20	.262	20
279		max	B	.753	36	-.018	15	.42	36	1.114	23	.8	36
280		min		.219	18	-.092	11	.123	19	.44	17	.234	19
281	P51A	max	T	.092	5	-.219	25	.42	30	2.344	9	.8	30
282		min		.018	21	-.753	30	.124	25	-.742	14	.235	25
283		max	B	.756	34	-.025	21	.424	31	1.167	17	.806	32
284		min		.244	14	-.094	30	.139	14	.561	24	.262	14
285	P29	max	T	.091	5	-.217	25	.414	30	2.332	9	.789	30
286		min		.019	21	-.742	30	.124	25	-.753	14	.234	25
287		max	B	.745	34	-.026	21	.419	31	1.161	17	.795	32
288		min		.24	14	-.095	30	.138	14	.55	24	.259	14

Envelope AISC 14th(360-10): LRFD Steel Code Checks

Member	Shape	Code Check	Loc[in]	LC	Shear	Loc[in]	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn	phi*Mn	Cb	Eqn
No Data to Print ...														

INFINIGY

FROM ZERO TO INFINIGY
the solutions are endless

ANCHOR BOLT CALCULATIONS (HILTI-HIT HY 200)

Customer: American Tower
Site Name: 4BN0029B (Beta Sector)
Job Number: 317-501
Structure Type: Rooftop
Date: 5/31/2017

Input Information:

Bolts, **N**
Distance b/w Bolts, **L**
Bolt Diameter, **d**
Threads per Inch, **n**

Existing Bolts

4
6 in
0.5 in
13

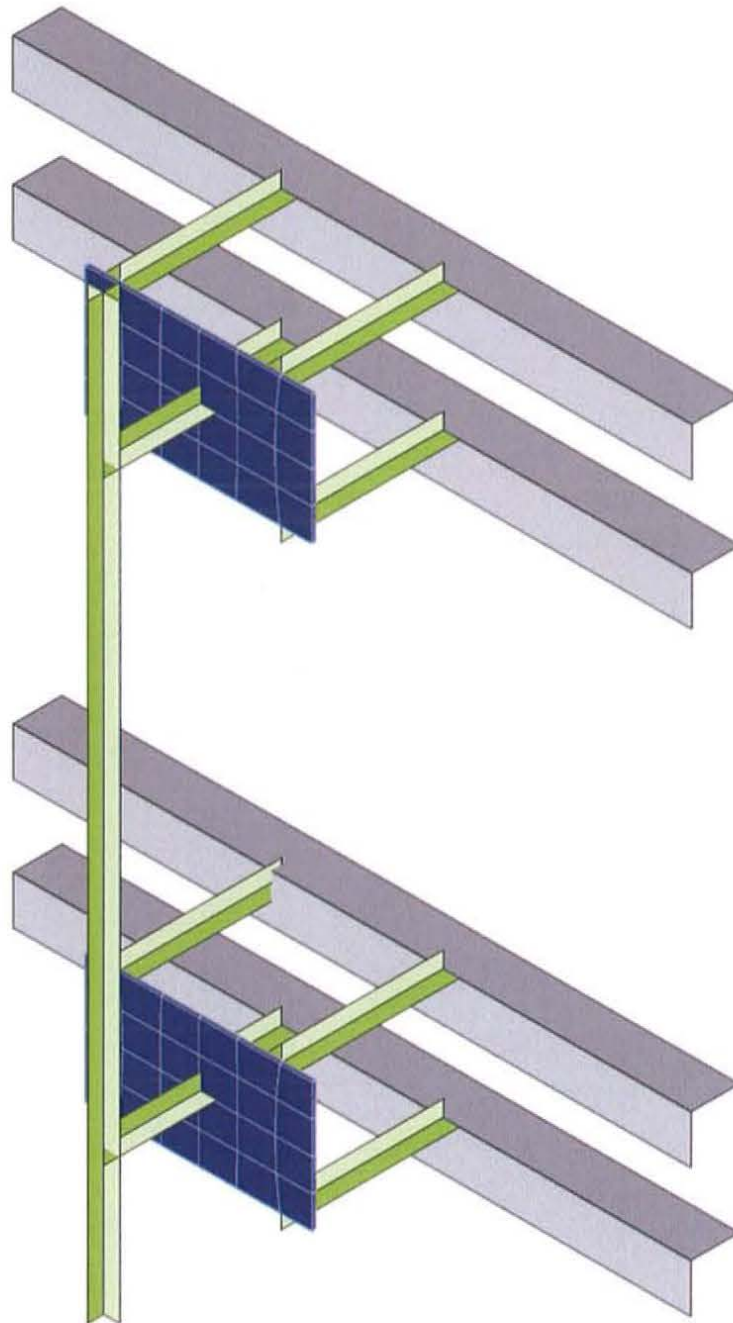
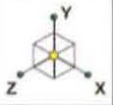
Applied Pull-Out Load, **T**
Applied Shear, **S**
Applied Moment, **M**

0.024 kips
0.101 kips
0.375 kip-in

Net Bolt Cross-Sectional Area, **A_n** 0.142 in² (each)
Bolt Group Moment of Inertia, **I** 36.000 in⁴
Maximum Tensile Force (per bolt) 0.037 kips
Maximum Shear Force (per bolt) 0.177 kips
Nominal Tensile Strength (per bolt), **R_{nt}** 8.19 kips
Nominal Shear Strength (per bolt), **V_{nt}** 3.53 kips
Anchor Rod Interaction Equation 0.05

% Capacity 5.5%

The Bolt Group is Adequate for Loading



Infinigy Engineering PLLC

DVA

317-501

4BN0029B (Gamma)

RISA-3D Model

SK - 1

May 31, 2017 at 5:12 PM

4BN0029B (Gamma).r3d

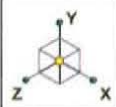
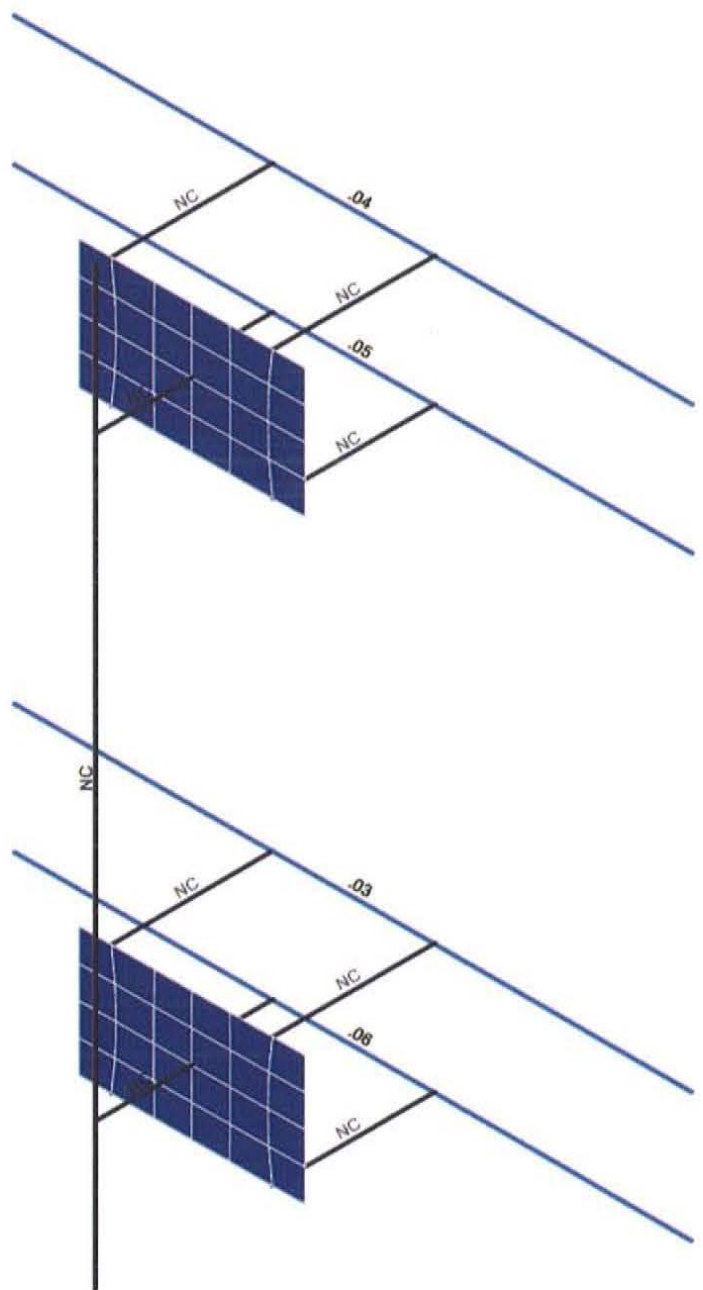


Plate Behavior
■ Plane Stress
■ Full Bending

Code Check (LC 1)
■ No Calc
■ > 1.0
■ 90-1.0
■ 75-90
■ 50-75
■ 0-50



Member Code Checks Displayed
Results for LC 1, 1.4D

Infinigy Engineering PLLC	4BN0029B (Gamma) Member Bending Check	SK - 2
DVA		May 31, 2017 at 5:14 PM
317-501		4BN0029B (Gamma).r3d

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N1			RIGID	None	None	RIGID	Typical
2	M2	N3	N5		270	RIGID	None	None	RIGID	Typical
3	M4	N144	N146		180	Horizontal An...	Beam	Single Angle	A36 Gr.36	Typical
4	M5	N145	N147		180	Horizontal An...	Beam	Single Angle	A36 Gr.36	Typical
5	M6	N148	N16			RIGID	None	None	RIGID	Typical
6	M7	N131	N149			RIGID	None	None	RIGID	Typical
7	M8	N24	N150			RIGID	None	None	RIGID	Typical
8	M9	N139	N151			RIGID	None	None	RIGID	Typical
9	M10	N4	N152		270	RIGID	None	None	RIGID	Typical
10	M12	N291	N293		180	Horizontal An...	Beam	Single Angle	A36 Gr.36	Typical
11	M13	N292	N294		180	Horizontal An...	Beam	Single Angle	A36 Gr.36	Typical
12	M14	N295	N163			RIGID	None	None	RIGID	Typical
13	M16	N171	N297			RIGID	None	None	RIGID	Typical
14	M17	N286	N298			RIGID	None	None	RIGID	Typical
15	M15	N296	N45			RIGID	None	None	RIGID	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[K]
1	General				
2	RIGID		11	147	0
3	Total General		11	147	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	L3x3x4	4	168	0
7	Total HR Steel		4	168	0

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
1	Self Weight	DL		-1			2		
2	Wind Load AZI 000	WLZ					2		
3	Wind Load AZI 090	WLX					2		
4	Ice Weight	OL1					2	15	
5	Wind + Ice Load AZI ...	OL2					2		
6	Wind + Ice Load AZI ...	OL3					2		

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Y...	Y	DL	1.4															
2	1.2D + 1.6W AZI 000	Y...	Y	DL	1.2	W...	1.6													
3	1.2D + 1.6W AZI 030	Y...	Y	DL	1.2	W...	1.3	W...	.8											
4	1.2D + 1.6W AZI 060	Y...	Y	DL	1.2	W...	.8	W...	1.3											
5	1.2D + 1.6W AZI 090	Y...	Y	DL	1.2			W...	1.6											
6	1.2D + 1.6W AZI 120	Y...	Y	DL	1.2	W...	.8	W...	1.3											
7	1.2D + 1.6W AZI 150	Y...	Y	DL	1.2	W...	1...	W...	.8											
8	1.2D + 1.6W AZI 180	Y...	Y	DL	1.2	W...	1.6													
9	1.2D + 1.6W AZI 210	Y...	Y	DL	1.2	W...	1...	W...	.8											
10	1.2D + 1.6W AZI 240	Y...	Y	DL	1.2	W...	.8	W...	1...											
11	1.2D + 1.6W AZI 270	Y...	Y	DL	1.2			W...	1.6											
12	1.2D + 1.6W AZI 300	Y...	Y	DL	1.2	W...	.8	W...	1...											
13	1.2D + 1.6W AZI 330	Y...	Y	DL	1.2	W...	1.3	W...	.8											
14	0.9D + 1.6W AZI 000	Y...	Y	DL	.9	W...	1.6													

Envelope Joint Reactions (Continued)

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
17	Totals:	max	199.648	5	665.575	32	275.808	2					
18		min	-199.648	23	195.012	24	-275.807	20					

Envelope Plate/Shell Principal Stresses

Plate	Surf...	Sigma1 [ksi]	LC	Sigma2 [ksi]	LC	Tau Max [ksi]	LC	Angle [rad]	LC	Von Mises [ksi]	LC		
1	P26	max	T	9.125	35	1.292	6	4.197	36	-.048	15	8.774	35
2		min		2.305	16	-.673	24	.667	17	-.521	19	2.063	16
3		max	B	.803	24	-2.297	16	4.29	36	1.509	15	8.721	36
4		min		-1.079	6	-8.872	35	.709	17	1.115	20	2.066	16
5	P29	max	T	9.11	31	1.296	10	4.185	30	.391	21	8.755	31
6		min		2.304	24	-.67	16	.665	23	-.084	25	2.062	24
7		max	B	.8	16	-2.296	24	4.278	30	1.897	20	8.703	30
8		min		-1.083	10	-8.858	31	.708	23	1.501	25	2.065	24
9	P25	max	T	9.086	36	.729	37	4.179	35	.525	15	8.744	36
10		min		2.824	17	.029	17	1.398	17	.194	21	2.81	17
11		max	B	-.022	17	-2.798	17	4.193	34	2.088	15	8.752	35
12		min		-.7	37	-9.08	36	1.388	17	1.788	21	2.787	17
13	P30	max	T	9.076	30	.731	29	4.173	31	-.081	19	8.733	30
14		min		2.82	23	.03	23	1.395	23	-.413	25	2.806	23
15		max	B	-.023	23	-2.794	23	4.186	32	1.466	19	8.741	31
16		min		-.703	29	-9.07	30	1.385	23	1.166	25	2.783	23
17	P24	max	T	8.861	29	.75	30	4.059	27	1.445	19	8.512	29
18		min		2.768	22	.001	24	1.358	22	1.103	25	2.742	22
19		max	B	-.011	23	-2.72	23	4.029	31	-.144	19	8.445	30
20		min		-.729	30	-8.786	30	1.355	23	-.459	25	2.715	23
21	P4	max	T	8.861	37	.75	36	4.059	27	2.039	15	8.512	37
22		min		2.768	18	.001	16	1.358	18	1.697	21	2.742	18
23		max	B	-.011	17	-2.72	17	4.029	35	.459	15	8.445	36
24		min		-.729	36	-8.786	36	1.355	17	.144	21	2.715	17
25	P8	max	T	8.327	35	1.074	6	4.081	36	1.648	16	8.237	36
26		min		2.162	16	-.877	24	.693	17	1.129	20	1.932	17
27		max	B	.965	12	-2.158	16	4.166	36	.051	16	8.256	36
28		min		-.911	18	-8.189	35	.715	17	-.387	20	1.932	17
29	P20	max	T	8.327	31	1.074	10	4.081	30	2.013	20	8.237	30
30		min		2.162	24	-.877	16	.693	23	1.494	24	1.932	23
31		max	B	.965	4	-2.158	24	4.166	30	.387	20	8.256	30
32		min		-.911	22	-8.189	31	.715	23	-.051	24	1.932	23
33	P15	max	T	5.76	12	4.443	12	1.808	5	2.311	9	5.227	12
34		min		-1.159	18	-4.218	18	.195	13	-.65	21	1.177	20
35		max	B	4.39	18	1.197	18	1.874	5	1.334	25	5.299	12
36		min		-4.455	12	-5.86	12	.224	13	-.261	14	1.199	21
37	P11	max	T	5.759	4	4.443	4	1.808	11	1.792	14	5.227	4
38		min		-1.159	22	-4.218	22	.195	3	.25	15	1.177	20
39		max	B	4.39	22	1.197	22	1.874	11	2.219	19	5.299	4
40		min		-4.455	4	-5.86	4	.224	3	-.732	7	1.199	19
41	P33	max	T	4.92	4	3.617	4	1.847	11	2.286	19	4.415	4
42		min		-1.743	22	-4.871	10	.215	3	-.678	7	.855	19
43		max	B	5.097	10	1.801	22	1.923	11	1.775	25	4.529	10
44		min		-3.609	4	-4.969	16	.218	3	.307	16	.773	19
45	P34	max	T	4.92	12	3.616	12	1.846	5	1.261	24	4.415	12
46		min		-1.745	18	-4.871	6	.215	13	-.181	15	.855	21
47		max	B	5.098	6	1.803	18	1.922	5	2.22	9	4.529	6
48		min		-3.609	12	-4.969	24	.218	13	-.728	21	.773	21
49	P14	max	T	4.828	24	1.854	24	1.732	11	2.214	15	4.348	6
50		min		-3.439	6	-4.887	6	.266	7	-.785	3	.894	15

Envelope Plate/Shell Principal Stresses (Continued)

Plate	Surf...		Sigma1 [ksi]	LC	Sigma2 [ksi]	LC	Tau Max [ksi]	LC	Angle [rad]	LC	Von Mises [ksi]	LC	
51		max	B	4.872	18	3.392	6	1.836	11	1.852	20	4.538	12
52		min		-1.942	24	-5.149	12	.257	7	.225	19	.762	15
53	P10	max	T	4.828	16	1.854	16	1.732	5	1.329	21	4.348	10
54		min		-3.439	10	-4.887	10	.266	9	-.228	20	.894	25
55		max	B	4.872	22	3.392	10	1.836	5	2.299	13	4.538	4
56		min		-1.942	16	-5.149	4	.257	9	-.673	25	.762	25
57	P40	max	T	4.172	24	1.234	24	1.712	11	1.907	20	5.156	6
58		min		-4.277	6	-5.725	6	.267	7	.165	19	1.065	2
59		max	B	5.732	6	4.249	6	1.806	11	2.335	3	5.153	6
60		min		-1.304	24	-4.419	24	.278	7	-.051	14	1.19	15
61	P39	max	T	4.171	16	1.232	16	1.713	5	1.693	14	5.157	10
62		min		-4.278	10	-5.726	10	.267	9	-.725	13	1.065	2
63		max	B	5.733	10	4.25	10	1.806	5	1.42	21	5.154	10
64		min		-1.302	16	-4.418	16	.278	9	-.388	20	1.191	25
65	P3	max	T	3.325	29	1.774	32	.802	28	1.753	15	2.88	29
66		min		.853	23	.245	14	.182	23	.672	21	.741	23
67		max	B	-.268	14	-.868	23	.769	28	2.341	20	2.792	29
68		min		-1.724	32	-3.223	29	.207	23	-.742	22	.752	23
69	P23	max	T	3.325	37	1.774	34	.802	38	2.331	7	2.88	37
70		min		.853	17	.245	14	.182	17	-.771	18	.741	17
71		max	B	-.268	14	-.868	17	.769	38	.832	19	2.792	37
72		min		-1.724	34	-3.223	37	.207	17	-.165	25	.752	17
73	P16	max	T	3.287	38	.688	3	1.711	37	2.211	8	3.353	37
74		min		-.079	19	-.942	21	.102	5	-.754	21	.443	5
75		max	B	1.089	19	.112	20	1.627	37	1.894	16	3.163	37
76		min		-.697	3	-3.125	13	.156	16	-.417	17	.449	5
77	P12	max	T	3.287	28	.688	13	1.712	29	2.027	23	3.353	29
78		min		-.079	21	-.942	19	.102	11	-.247	24	.443	11
79		max	B	1.089	21	.112	20	1.627	29	2.34	7	3.163	29
80		min		-.697	13	-3.125	3	.156	24	-.751	19	.449	11
81	P31	max	T	3.216	29	2.013	31	.608	28	2.314	19	2.813	29
82		min		.921	23	.373	21	.208	18	-.744	7	.798	23
83		max	B	-.383	22	-.923	24	.661	28	1.695	15	2.812	30
84		min		-1.911	31	-3.229	30	.223	24	.673	21	.799	24
85	P36	max	T	3.212	37	2.014	35	.606	38	.991	19	2.81	37
86		min		.92	17	.374	19	.207	22	-.133	25	.797	17
87		max	B	-.383	18	-.922	16	.659	38	2.291	9	2.809	36
88		min		-1.911	35	-3.226	36	.223	16	-.778	21	.798	16
89	P19	max	T	2.493	12	.324	12	1.116	37	2.202	5	2.347	12
90		min		-.254	18	-.793	18	.099	7	-.663	17	.248	20
91		max	B	.801	18	.323	18	1.111	37	2.139	20	2.324	12
92		min		-.386	12	-2.492	12	.076	7	-.678	8	.276	20
93	P7	max	T	2.493	4	.324	4	1.116	29	2.288	8	2.347	4
94		min		-.254	22	-.793	22	.099	9	-.496	20	.248	20
95		max	B	.801	22	.323	22	1.111	29	2.278	23	2.324	4
96		min		-.386	4	-2.492	4	.076	9	-.547	11	.276	20
97	P27	max	T	2.491	3	.505	25	1.459	4	2.347	12	2.693	4
98		min		-.268	20	-1.389	21	.045	12	-.726	7	.462	24
99		max	B	1.647	21	.329	20	1.428	4	2.079	24	2.622	4
100		min		-.51	25	-2.43	3	.07	12	.267	25	.422	12
101	P28	max	T	2.491	13	.506	15	1.457	12	1.329	15	2.691	12
102		min		-.267	20	-1.387	19	.044	4	-.626	16	.464	16
103		max	B	1.645	19	.328	20	1.427	12	2.232	9	2.621	12
104		min		-.511	15	-2.43	13	.069	4	-.771	32	.423	4
105	P35	max	T	2.13	12	.266	24	.935	12	1.948	8	2.013	12
106		min		-.31	6	-1.062	18	.136	4	-.765	21	.275	4
107		max	B	1.077	18	.409	6	.912	12	2.088	16	1.987	12

Envelope Plate/Shell Principal Stresses (Continued)

Plate	Surf...		Sigma1 [ksi]	LC	Sigma2 [ksi]	LC	Tau Max [ksi]	LC	Angle [rad]	LC	Von Mises [ksi]	LC
108		min	-.308	24	-2.118	12	.149	16	-.544	5	.305	4
109	P32	max	2.128	4	.266	16	.934	4	2.062	11	2.011	4
110		min	-.309	10	-1.061	22	.136	12	-.605	24	.274	12
111		max	1.076	22	.408	10	.911	4	2.3	19	1.986	4
112		min	-.309	16	-2.116	4	.149	24	-.473	8	.305	12
113	P9	max	1.346	15	.309	14	1.405	10	2.052	6	2.595	10
114		min	-.485	19	-2.393	9	.032	6	-.721	18	.448	6
115		max	2.232	9	.483	19	1.332	10	2.353	50	2.435	10
116		min	-.387	14	-1.724	15	.12	6	-.783	43	.372	6
117	P13	max	1.346	25	.309	14	1.406	6	2.24	38	2.595	6
118		min	-.485	21	-2.393	7	.032	10	-.751	3	.448	10
119		max	2.232	7	.483	21	1.332	6	2.109	22	2.435	6
120		min	-.387	14	-1.724	25	.12	10	.191	21	.372	10
121	P18	max	1.237	24	.321	12	.854	6	2.266	22	1.837	6
122		min	-.247	18	-1.943	6	.105	10	-.775	10	.313	10
123		max	1.918	6	.25	18	.851	6	2.336	3	1.82	6
124		min	-.475	12	-1.265	24	.089	10	-.747	15	.343	10
125	P6	max	1.237	16	.321	4	.854	10	2.338	13	1.837	10
126		min	-.247	22	-1.943	10	.105	6	-.57	24	.313	6
127		max	1.918	10	.249	22	.851	10	2.154	6	1.82	10
128		min	-.474	4	-1.265	16	.089	6	-.779	18	.342	6
129	P41	max	.936	24	.269	24	1.015	6	2.243	15	2.198	6
130		min	-.303	6	-2.334	6	.155	22	-.59	2	.298	22
131		max	2.32	6	.321	18	1.004	6	2.329	11	2.181	6
132		min	-.39	12	-1.955	24	.132	11	-.329	22	.32	22
133	P38	max	.935	16	.268	16	1.014	10	2.003	18	2.196	10
134		min	-.303	10	-2.332	10	.155	18	-.636	5	.298	18
135		max	2.318	10	.321	22	1.003	10	2.283	2	2.179	10
136		min	-.389	4	-.954	16	.133	5	-.631	25	.32	18
137	P45	max	.896	25	.097	15	1.679	35	2.255	2	3.296	35
138		min	-.654	7	-3.236	34	.117	5	-.72	25	.43	4
139		max	2.948	9	.652	7	1.54	10	2.036	18	2.953	10
140		min	-.164	14	-1.14	15	.172	18	-.436	17	.469	5
141	P46	max	.894	15	.096	25	1.678	31	2.127	11	3.295	31
142		min	-.654	9	-3.236	32	.117	11	-.321	22	.429	12
143		max	2.947	7	.652	9	1.539	6	2.331	3	2.951	6
144		min	-.163	14	-1.138	25	.172	22	-.762	15	.469	11
145	P44	max	.805	18	-2.049	22	3.707	30	2.044	14	7.623	29
146		min	-1.191	12	-7.835	29	.599	23	1.475	22	1.833	23
147		max	7.566	29	.883	24	3.907	30	.383	14	7.685	30
148		min	2.033	22	-.999	6	.679	23	-.091	22	1.831	23
149	P47	max	.803	22	-2.049	18	3.699	36	1.798	18	7.61	37
150		min	-1.193	4	-7.825	37	.6	17	1.228	14	1.833	17
151		max	7.557	37	.885	16	3.9	36	.222	18	7.673	36
152		min	2.034	18	-.997	10	.679	17	-.253	14	1.831	17
153	P17	max	.617	22	-2.058	18	3.659	36	.01	18	7.827	37
154		min	-1.387	4	-8.261	38	.509	17	-.54	15	1.813	18
155		max	7.848	37	1.045	4	3.834	36	1.596	18	7.753	37
156		min	2.034	18	-.835	22	.596	17	1.142	14	1.826	18
157	P5	max	.617	18	-2.058	22	3.659	30	.54	25	7.827	29
158		min	-1.387	12	-8.261	28	.509	23	-.01	22	1.813	22
159		max	7.848	29	1.045	12	3.834	30	2	14	7.753	29
160		min	2.034	22	-.835	18	.596	23	1.546	22	1.826	22
161	P43	max	-.023	22	-2.654	24	3.734	36	1.335	15	7.901	30
162		min	-.834	30	-8.285	30	1.239	18	.967	21	2.611	24
163		max	8.405	29	.785	30	3.817	38	-.27	15	8.043	29
164		min	2.67	23	.02	22	1.257	18	-.601	21	2.656	23



FROM ZERO TO INFINIGY
the solutions are endless

BOLT CALCULATIONS (SIMPSON SCREWS)

Customer: American Tower
Site Name: 4BN0029B (Gamma Sector)
Job Number: 317-501
Structure Type: Rooftop
Date: 5/31/2017

Input Information:	Existing Bolts
# Bolts, N	1
Bolt Diameter, d	0.25 in
Applied Pull-Out Load, T	0.0904 kips
Applied Shear, S	0.0375 kips

Nominal Tensile Strength (per bolt), R_{nt}	0.180 kips
Nominal Shear Strength (per bolt), V_{nt}	0.255 kips
Bolt Interaction Equation	0.502

% Capacity 50.2%

The Bolt Group is Adequate for Loading

5

Photographic Simulation Package

Proposed Wireless Telecommunications Facility:

4BN0029B BN029/955 Mass Ave
955 Massachusetts Ave
Cambridge, MA 02139

- Photos taken 10/16/17



Package prepared by:

Virtual Site Simulations, LLC
28 Caswell Street
Suite 100
Narragansett, Rhode Island 02882

www.VirtualSiteSimulations.com
www.ThinkVSSFirst.com

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution





Photolog

4BN0029B BN029/955 Mass Ave

Wireless Telecommunications Facility:

4BN0029B BN029/955 Mass Ave
 955 Massachusetts Ave
 Cambridge, MA 02139

Legend:

- ★ Facility Location
- 750 Ft Radius
- ⓧ Photo location - Year Round Visibility
- ⓧ Photo location - Obscured Visibility
- ⓧ Photo location - NOT visible

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
1	57 Hancock St	42.36828 -71.1089	299.61 Feet	South-East	318	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Simulation



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
1	57 Hancock St	42.36828 -71.1089	299.61 Feet	South-East	318	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
2	991 Massachusetts Ave	42.36929 -71.11102	398.44 Feet	West	112	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Simulation



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
2	991 Massachusetts Ave	42.36929 -71.11102	398.44 Feet	West	112	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
3	10-14 Dana St	42.37018 -71.11004	481.74 Feet	North	167	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Simulation



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
3	10-14 Dana St	42.37018	-71.11004	481.74 Feet	North	167	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
4	23 Bay St	42.36796 -71.11098	497.14 Feet	South-West	47	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Simulation



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
4	23 Bay St	42.36796 -71.11098	497.14 Feet	South-West	47	Year Round

Site: 4BN0029B BN029/955 Mass Ave

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



6



Universal Licensing System

[FCC](#) > [WTB](#) > [ULS](#) > [Online Systems](#) > License Search

[FCC Site Map](#)

ULS License

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQPG202 [?] HELP - T-Mobile License LLC

[New Search](#) [Refine Search](#) [Return to Results](#) [Printable Page](#) [Reference Copy](#)

MAIN	ADMIN	MARKET	MAP
Call Sign	WQPG202	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Status	Active	Auth Type	Regular
Market			
Market	BEA003 - Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH-RI-VT	Channel Block	C
Submarket	4	Associated Frequencies (MHz)	001730.00000000-001735.00000000-002130.00000000-002135.00000000
Dates			
Grant	04/18/2012	Expiration	11/29/2021
Effective	04/18/2012	Cancellation	
Buildout Deadlines			
1st		2nd	
Notification Dates			
1st		2nd	
Ownership			
FRN	0001565449 (View Ownership Filing)	Type	Limited Liability Company
Licensee			
T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN Dan Menser		P:(425)383-4000 F:(425)383-4840 E:fccregulatorycompliancecontact@t-mobile.com	
Contact			
Wiley Rein LLP 1776 K Street, NW Washington, DC 20006 ATTN Nancy J. Victory		P:(202)719-7344 F:(202)719-7049 E:nvictory@wileyrein.com	

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government? No

Is the applicant an alien or the representative of an alien? No

Is the applicant a corporation organized under the laws of any foreign government? No

Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? No

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? Yes

The Alien Ruling question is not answered.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Next question

Race

Ethnicity

Gender

ULS Help

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Basic Search

By Call Sign ▼ =

ULS License

Local Multipoint Distribution Service License - WQPD278 - T-Mobile License LLC

Call Sign	WQPD278	Radio Service	LD - Local Multipoint Distribution Service
Status	Active	Auth Type	Regular
Market			
Market	BTA051 - Boston, MA	Channel Block	A
Submarket	2	Associated Frequencies (MHz)	027500.00000000-028350.00000000-029100.00000000-029250.00000000-031075.00000000-031225.00000000

Dates

Grant	02/15/2012	Expiration	10/06/2018
Effective	12/30/2013	Cancellation	

Buildout Deadlines

1st	2nd
-----	-----

Notification Dates

1st	2nd
-----	-----

FRN	0001565449	Type	Limited Liability Company
-----	------------	------	---------------------------

Licensee

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance	P:(425)383-8401 F:(425)383-4840 E:FCCregulatorycompliancecontact@t-mobile.com
--	---

Contact

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN Shannon Kraus	P:(425)383-5178 F:(425)383-4840 E:shannon.reilly@t-mobile.com
--	---

Radio Service Type	Fixed
Regulatory Status	Common Carrier, Interconnected Non-Common Carrier No

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No

Is the applicant a corporation organized under the laws of any foreign government? **No**

Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? **Yes**

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? **Yes**

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Race

Ethnicity

Gender

ULS License

700 MHz Lower Band (Blocks A, B & E) License - WQIZ578 - T-Mobile License LLC

Call Sign	WQIZ578	Radio Service	WY - 700 MHz Lower Band (Blocks A, B & E)
Status	Active	Auth Type	Regular
Market			
Market	BEA003 - Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH-RI-VT	Channel Block	A
Submarket	0	Associated Frequencies (MHz)	000698.00000000-000704.00000000-000728.00000000-000734.00000000

Dates

Grant	06/26/2008	Expiration	06/13/2019
Effective	12/02/2013	Cancellation	

Buildout Deadlines

1st	2nd	06/13/2019
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Notification Dates

1st	2nd
-----	-----

Company

FRN	0001565449	Type	Limited Liability Company
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Licensee

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance	P:(425)383-8401 F:(425)383-4840 E:FCCregulatorycompliancecontact@t-mobile.com
--	---

Contact

T-Mobile License LLC Shannon Kraus 12920 SE 38th Street Bellevue, WA 98006 ATTN Shannon Kraus	P:(425)383-5178 F:(425)383-4840 E:shannon.reilly@t-mobile.com
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Service and Regulatory Information

Radio Service Type	Fixed, Mobile
Regulatory Status	Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No

Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? **Yes**

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? **Yes**

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Race

Ethnicity

Gender

ULS License

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQGB373 - T-Mobile License LLC

Call Sign	WQGB373	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Status	Active	Auth Type	Regular
Market			
Market	REA001 - Northeast	Channel Block	E
Submarket	1	Associated Frequencies (MHz)	001740.00000000-001745.00000000-002140.00000000-002145.00000000

Dates

Grant	11/29/2006	Expiration	11/29/2021
Effective	06/26/2012	Cancellation	

Buildout Deadlines

1st	2nd
-----	-----

Notification Dates

1st	2nd
-----	-----

Company

FRN	0001565449	Type	Limited Liability Company
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Licensee

T-Mobile License LLC 12920 SE 38th St. Bellevue, WA 98006 ATTN Dan Menser	P:(425)383-4000 F:(425)378-4040 E:FCCRegulatoryComplianceContact@t-mobile.com
--	---

Contact

T-Mobile License LLC Kathleen O Ham 12920 SE 38th St. Bellevue, WA 98006 ATTN Dan Menser	P:(425)383-4000 F:(202)654-5963 E:FCCRegulatoryComplianceContact@t-mobile.com
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Company's Regulatory Status

Radio Service Type	Mobile
Regulatory Status	Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their	No

representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

The Alien Ruling question is not answered.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Race

Ethnicity

Gender

ULS License

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQGA731 - T-Mobile License LLC

Call Sign	WQGA731	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Status	Active	Auth Type	Regular
Market			
Market	REA001 - Northeast	Channel Block	D
Submarket	1	Associated Frequencies (MHz)	001735.00000000-001740.00000000-002135.00000000-002140.00000000

Dates

Grant	11/29/2006	Expiration	11/29/2021
Effective	12/10/2015	Cancellation	

Buildout Deadlines

1st	2nd
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Notification Dates

1st	2nd
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FRN	0001565449	Type	Limited Liability Company
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Licensee

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance	P:(425)383-8401 F:(425)383-4840 E:FCCregulatorycompliancecontact@t-mobile.com
--	---

Contact

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance	P:(425)383-8401 F:(425)383-4840 E:FCCregulatorycompliancecontact@t-mobile.com
--	---

Radio Service Type	Mobile
Regulatory Status	Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their	Yes

representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? **Yes**

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Race

Ethnicity

Gender

ULS License

PCS Broadband License - WPZY689 - T-Mobile License LLC

Call Sign	WPZY689	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	BTA051 - Boston, MA	Channel Block	C
Submarket	2	Associated Frequencies (MHz)	001895.00000000-001910.00000000-001975.00000000-001990.00000000

Dates

Grant	12/06/2016	Expiration	01/03/2027
Effective	12/06/2016	Cancellation	

Buildout Deadlines

1st	12/07/2003	2nd	01/03/2007
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Notification Dates

1st	01/30/2002	2nd	12/22/2006
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Company

FRN	0001565449	Type	Limited Liability Company
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Licensee

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance	P:(425)383-8401 F:(425)383-4840 E:FCCregulatorycompliancecontact@t-mobile.com
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Contact

T-Mobile License LLC 12920 SE 38th ST. Bellevue, WA 98006 ATTN FCC Regulatory Comp	P:(425)383-8401 F:(703)584-8696 E:fccregulatorycompliancecontact@t-mobile.com
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Communications Service Provider

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	No

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized. ✓

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Race

Ethnicity

Gender

ULS License

PCS Broadband License - KNLH310 - T-Mobile License LLC

Call Sign	KNLH310	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular
Market			
Market	BTA051 - Boston, MA	Channel Block	E
Submarket	0	Associated Frequencies (MHz)	001885.00000000-001890.00000000-001965.00000000-001970.00000000

Dates

Grant	06/08/2017	Expiration	06/27/2027
Effective	06/08/2017	Cancellation	

Buildout Deadlines

1st	06/27/2002	2nd	
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Notification Dates

1st	04/01/1999	2nd	
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Company

FRN	0001565449	Type	Limited Liability Company
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Licensee

T-Mobile License LLC 12920 S.E. 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance	P:(425)383-8401 E:FCCRegulatoryComplianceContact@t-mobile.com
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Contact

T-Mobile License LLC FCC REGULATORY COMPLIANCE 12920 S.E. 38th Street Bellevue, WA 98006 ATTN FCC Regulatory	P:(425)383-8401 E:FCCRegulatoryComplianceContact@t-mobile.com
--	--

Licensee Information

Radio Service Type	Fixed, Mobile
Regulatory Status	Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	No

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? **Yes**

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Race

Ethnicity

Gender

ULS License

Local Multipoint Distribution Service License - WQPD278 - T-Mobile License LLC

Call Sign	WQPD278	Radio Service	LD - Local Multipoint Distribution Service
Status	Active	Auth Type	Regular
Market			
Market	BTA051 - Boston, MA	Channel Block	A
Submarket	2	Associated Frequencies (MHz)	027500.00000000-028350.00000000-029100.00000000-029250.00000000-031075.00000000-031225.00000000

Dates

Grant	02/15/2012	Expiration	10/06/2018
Effective	12/30/2013	Cancellation	

Buildout Deadlines

1st	2nd
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Notification Dates

1st	2nd
-----	-----

Company

FRN	0001565449	Type	Limited Liability Company
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Licensee

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance	P:(425)383-8401 F:(425)383-4840 E:FCCregulatorycompliancecontact@t-mobile.com
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Contact

T-Mobile License LLC 12920 SE 38th Street Bellevue, WA 98006 ATTN Shannon Kraus	P:(425)383-5178 F:(425)383-4840 E:shannon.reilly@t-mobile.com
--	---

Administrative and Compliance

Radio Service Type	Fixed
Regulatory Status	Common Carrier, Interconnected Non-Common Carrier No

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No

Is the applicant a corporation organized under the laws of any foreign government? **No**

Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? **Yes**

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? **Yes**

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Race

Ethnicity

Gender

7

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City of Cambridge

MASSACHUSETTS

BOARD OF ZONING APPEAL 2003 FEB 17 10:28:29

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

CASE NO: 8593

LOCATION: 955 Mass Ave.
Cambridge, MA

MARGINAL REFERENCE REQUESTED
BOOK 31014 PAGE 81

PETITIONER: Peter Cooke/Omnipoint Holdings Inc.

PETITION: Special Permit: To erect telecommunication antennas and equipment.

VIOLATIONS: Art. 4.000, Sec. 4.32.G.1 (Telecommunications Special Permit).

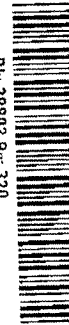
DATE OF PUBLIC NOTICE: October 4, 2002 and October 11, 2002

DATE OF PUBLIC HEARING: October 24, 2002

MEMBERS OF THE BOARD:	THOMAS SIENIEWICZ - CHAIR	<input checked="" type="checkbox"/>
	ARCH HORST	<input checked="" type="checkbox"/>
	JOHN O'CONNELL	<input checked="" type="checkbox"/>
	SUSAN SPURLOCK	<input type="checkbox"/>
	KEEFE B. CLEMONS	<input type="checkbox"/>

ASSOCIATE MEMBERS:	JENNIFER PENCK - VICE-CHAIR	<input checked="" type="checkbox"/>
	MARC TRUANT	<input type="checkbox"/>
	SUSAN CONNELLY	<input type="checkbox"/>
	REBECCA TEPPER	<input type="checkbox"/>
	<i>Brendan Sullivan</i>	<input checked="" type="checkbox"/>

Bk: 38893 Pg: 320
Recorded: 04/23/03
Document: 000003472 Page 1 of 4



04/23/03 10:29:35 642 79.00

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.

Case No. 8593
Location: 955 Mass Ave
Petitioner: Peter Cooke/Omnipoint Holdings Inc.

On February 13, 2003, Petitioner Peter Cooke appeared before the Board of Zoning Appeal requesting a special permit to install telecommunication antennae and equipment. The Petitioner submitted plans and photographs.

This case had been continued from October 24, 2002, so that the Petitioner had the opportunity to correspond with an abutter regarding health issues, to provide the Board with information regarding the Petitioner's current lack of coverage in the City, and to present evidence that residential uses do not predominate in the area.

At the October 24, 2002 hearing the Chair read letters of opposition from Milton and Elsa Banger of 931 Mass Ave, based on health concerns. James White who works at 955 Mass Ave inquired about health affects. RF engineer Raza Rizvi stated that the site would operate well within the FCC guidelines and was therefore safe.

At the February 13, 2003 hearing, Mr. Cooke stated that the antennae would be camouflaged and the equipment would be placed within existing screening. He stated that he had corresponded with the abutter, who now appeared appeased. He provided the Board with documentation regarding the need for additional coverage in this area of the City. He also provided the Board with a detailed analysis of the surrounding uses to show that residential uses did not predominate in this area.

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 a finding that residential uses do not predominate in this area, which is supported by testimony that this is a commercial structure, that commercial scaled activity in this neighborhood is prevalent, and that the antenna additions here, by virtue of the fact that they are on that commercial building, will have a diminimus effect. The Chair moved that the Board find that residential uses do not predominate.

The five member Board voted unanimously in favor of the finding (Sieniewicz, Pinck, Horst, O'Connell, and Sullivan).

The Chair moved that the Board grant the special permit to erect telecommunications antennae and equipment, at 955 Massachusetts Avenue, based on the above and following findings:

1. that the aesthetic concerns of the Ordinance are addressed because this is properly camouflaged as evidenced in the photo simulations,
2. that there will be virtually no increase in the traffic across the threshold of the property,
3. that this use will not derogate from the intent or purpose of the Ordinance, nor affect adjacent uses or the ability to use these properties.

The Chair moved that the Board grant the special permit on the following conditions:

1. that the work be consistent with drawings submitted in support of this application, sheets of drawings produced at T Mobile, 50 Vision Boulevard in East Providence, Rhode Island, MRC Engineering, entitled 955 Massachusetts Avenue, consisting of sheet Z1, and stamped by a registered civil engineer in the Commonwealth of Massachusetts, No. 40313, and
2. that the antenna equipment be removed from the premises within six months of any abandonment of use.

The five member Board voted unanimously in favor of granting the special permit (Sieniewicz, Pinck, Horst, O'Connell, and Sullivan) with the above conditions. Therefore, the special permit is granted.

The Board based its decision upon 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 for the Ordinance, and in fact 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 regulation 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.

Thomas Sieniewicz
Thomas Sieniewicz, Chair

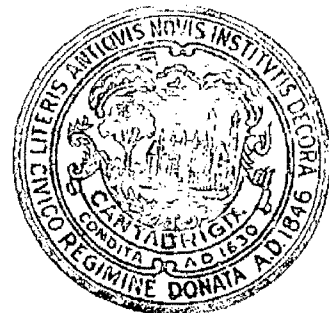
Attest: A true and correct copy of decision filed with the offices of the City Clerk and Planning Board on 3/17/03 by Maria Jackson, Clerk.

Twenty days have elapsed since the filing of this decision.

No appeal has been filed ✓

Appeal has been filed and dismissed or denied.

Date: 4-23-03 M. Margaret Sherry City Clerk.



BK-50077
Pg. 549*

AY



City of Cambridge

MASSACHUSETTS

BOARD OF ZONING APPEAL



2013 00000855

Bk: 60879 Pg: 280 Doc: DECIS
Page: 1 of 4 01/02/2013 01:20 PM

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

2012 DEC 5 PM 3 13

OFFICE OF THE CITY CLERK
CAMBRIDGE, MASSACHUSETTS

CASE NO: 10335

LOCATION: 955 Mass Avenue Residence C-2B Zone
Cambridge, MA

PETITIONER: T-Mobile Northeast, LLC
C/o Jackie Slaga, Agent

PETITION: Special Permit: In-kind replacement of existing 5 antennas with new antennas; relocation of existing antenna from the southeast corner façade of building to southeast penthouse façade and the addition of 1 antenna adjacent to the relocated antenna on penthouse; and replacement of 1 existing cabinet with smaller cabinet. All antennas will be mounted in the same location and painted to match façade of building; existing screening of equipment to remain.

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

DATE OF PUBLIC NOTICE: September 27, 2012 & October 4, 2012

DATE OF PUBLIC HEARING: October 11, 2012

MEMBERS OF THE BOARD:

- BRENDAN SULLIVAN - CHAIR ✓
- CONSTANTINE ALEXANDER - VICE-CHAIR ✓
- TIMOTHY HUGHES ✓
- THOMAS SCOTT ✓
- JANET GREEN ✓

* 955 Massachusetts LLC

ASSOCIATE MEMBERS:

- MAHMOOD R. FIROUZBAKHT ✓
- DOUGLAS MYERS ✓
- SLATER W. ANDERSON
- TAD HEUER
- ANDREA A. HICKEY
- KEVIN C. McAVEY

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.

Jackie Slaga 95 Indian Tr - Saunderstown R1 02874

Case No. 10335
Location: 955 Massachusetts Avenue
Petitioner: T-Mobile Northeast, LLC c/o Jackie Slaga, Agent

On October 11, 2012, Petitioner's attorney Ricardo Sousa appeared before the Board of Zoning Appeal requesting a special permit in order to permit the in-kind replacement of five existing antennas with new antennas mounted in the same location and painted to match the façade of the building, the relocation of an existing antenna from the southeast corner façade of the building to southeast penthouse façade and the addition of one antenna adjacent to the relocated antenna on the penthouse both painted to match the façade of the building, and the replacement of one existing cabinet with a smaller cabinet. The Petitioner requested relief from Article 4, Sec. 4.32.G.1 of the Cambridge Zoning Ordinance ("Ordinance"). The Petitioner submitted application materials including information about the project, plans, and photographs.

Mr. Sousa stated that the Petitioner wished to upgrade its existing specially permitted wireless facility as part of a system wide upgrade. He stated that new antennas would replace existing ones, that one antenna would be moved, and that one new antenna would be added. He stated that everything would be painted and placed so as to reduce visual impacts. He also agreed to replace the proposed pole mounts with low profile mounts and that there would be at least a one foot separation between the top of the antenna and the cornice line of the penthouse. He stated that there was an increasing need for more coverage.

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 permit the in-kind replacement of five existing antennas with new antennas mounted in the same location and painted to match the façade of the building, the relocation of an existing antenna from the southeast corner façade of the building to southeast penthouse façade and the addition of one antenna adjacent to the relocated antenna on the penthouse both painted to match the façade of the building, and the replacement of one existing cabinet with a smaller cabinet, and that there are no limitations imposed by any license secured from any state or federal agency having such jurisdiction over such matters. The Chair moved that the Board find that the visual impact of the various elements of the proposed facility would be minimized by the reduction of the antenna's projection from the building and the painting of the new antennas to match the background color. The Chair moved that the Board find that, while the site was located in a Residence C-2B Zone, there was a public need for the facility at the proposed location, there was no existing alternative functionally suitable sites in nonresidential locations, the proposed facility was appropriate given the character of the prevailing uses in the area and the prevalence of existing mechanical systems and equipment carried on or above the roofs of nearby structures. The Chair moved that the

Board find that there was an existing telecommunication facility on the building which had served the community since 2003. The Chair moved that the Board find that there had not been any adverse reaction to the facility and that it had enhanced communication for citizens, businesses, and emergency services. The Chair moved that the Board find that the proposed site was suitable and the proposed facility much needed. The Chair moved that the Board find that the requirements of the Ordinance were met. The Chair moved that the Board find that traffic generated or patterns of access or egress would not cause congestion, hazard, or substantial change in the established neighborhood character. The Chair moved that the Board find that the continued operation of or development of adjacent uses as permitted in the Ordinance would not be adversely affected by the nature of the proposed use, but rather the upgraded equipment would enhance telecommunications for citizens and businesses. The Chair moved that the Board find that there would not be any nuisance or hazard created to the detriment of the health, safety, or welfare of the occupants of the proposed use or the city and that the proposed use would 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 find that there was no reason to allow further replacement or upgrade of the equipment without an additional special permit. The Chair moved that the Board grant the special permit on the following conditions:

1. that the work proceed as per the plan and the photo simulations submitted,
2. that should the equipment become unused, it be removed within six months and the facade to which it had been mounted be repaired to its original condition, and
3. that the appearance of the equipment be maintained and not be allowed to deteriorate.

The five member Board voted unanimously in favor of granting the special permit (Sullivan, Alexander, Hughes, Green, and Myers) 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.

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BK-50077
Pg. 549*



City of Cambridge

MASSACHUSETTS

BOARD OF ZONING APPEAL



2013 00000355
Bk: 60879 Pg: 280 Doc: DECIS
Page: 1 of 4 01/02/2013 01:20 PM

831 Mass Avenue, Cambridge, MA 02142
(617) 349-6100

DEC 5 PM 3 13
OFFICE OF THE CITY CLERK
CAMBRIDGE, MASSACHUSETTS

CASE NO: 10335

LOCATION: 955 Mass Avenue Residence C-2B Zone
Cambridge, MA

PETITIONER: T-Mobile Northeast, LLC
C/o Jackie Slaga, Agent

PETITION: Special Permit: In-kind replacement of existing 5 antennas with new antennas; relocation of existing antenna from the southeast corner façade of building to southeast penthouse façade and the addition of 1 antenna adjacent to the relocated antenna on penthouse; and replacement of 1 existing cabinet with smaller cabinet. All antennas will be mounted in the same location and painted to match façade of building; existing screening of equipment to remain.

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

DATE OF PUBLIC NOTICE: September 27, 2012 & October 4, 2012

DATE OF PUBLIC HEARING: October 11, 2012

MEMBERS OF THE BOARD:

- BRENDAN SULLIVAN - CHAIR
- CONSTANTINE ALEXANDER - VICE-CHAIR
- TIMOTHY HUGHES
- THOMAS SCOTT
- JANET GREEN

* 955 Massachusetts LLC

ASSOCIATE MEMBERS:

- MAHMOOD R. FIROUZBAKHT
- DOUGLAS MYERS
- SLATER W. ANDERSON
- TAD HEUER
- ANDREA A. HICKEY
- KEVIN C. McAVEY

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.

Jackie Slaga 95 Indian Tr - Saundersdown RI 02874

Case No. 10335
Location: 955 Massachusetts Avenue
Petitioner: T-Mobile Northeast, LLC c/o Jackie Slaga, Agent

On October 11, 2012, Petitioner's attorney Ricardo Sousa appeared before the Board of Zoning Appeal requesting a special permit in order to permit the in-kind replacement of five existing antennas with new antennas mounted in the same location and painted to match the façade of the building, the relocation of an existing antenna from the southeast corner façade of the building to southeast penthouse façade and the addition of one antenna adjacent to the relocated antenna on the penthouse both painted to match the façade of the building, and the replacement of one existing cabinet with a smaller cabinet. The Petitioner requested relief from Article 4, Sec. 4.32.G.1 of the Cambridge Zoning Ordinance ("Ordinance"). The Petitioner submitted application materials including information about the project, plans, and photographs.

Mr. Sousa stated that the Petitioner wished to upgrade its existing specially permitted wireless facility as part of a system wide upgrade. He stated that new antennas would replace existing ones, that one antenna would be moved, and that one new antenna would be added. He stated that everything would be painted and placed so as to reduce visual impacts. He also agreed to replace the proposed pole mounts with low profile mounts and that there would be at least a one foot separation between the top of the antenna and the cornice line of the penthouse. He stated that there was an increasing need for more coverage.

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 permit the in-kind replacement of five existing antennas with new antennas mounted in the same location and painted to match the façade of the building, the relocation of an existing antenna from the southeast corner façade of the building to southeast penthouse façade and the addition of one antenna adjacent to the relocated antenna on the penthouse both painted to match the façade of the building, and the replacement of one existing cabinet with a smaller cabinet, and that there are no limitations imposed by any license secured from any state or federal agency having such jurisdiction over such matters. The Chair moved that the Board find that the visual impact of the various elements of the proposed facility would be minimized by the reduction of the antenna's projection from the building and the painting of the new antennas to match the background color. The Chair moved that the Board find that, while the site was located in a Residence C-2B Zone, there was a public need for the facility at the proposed location, there was no existing alternative functionally suitable sites in nonresidential locations, the proposed facility was appropriate given the character of the prevailing uses in the area and the prevalence of existing mechanical systems and equipment carried on or above the roofs of nearby structures. The Chair moved that the

Board find that there was an existing telecommunication facility on the building which had served the community since 2003. The Chair moved that the Board find that there had not been any adverse reaction to the facility and that it had enhanced communication for citizens, businesses, and emergency services. The Chair moved that the Board find that the proposed site was suitable and the proposed facility much needed. The Chair moved that the Board find that the requirements of the Ordinance were met. The Chair moved that the Board find that traffic generated or patterns of access or egress would not cause congestion, hazard, or substantial change in the established neighborhood character. The Chair moved that the Board find that the continued operation of or development of adjacent uses as permitted in the Ordinance would not be adversely affected by the nature of the proposed use, but rather the upgraded equipment would enhance telecommunications for citizens and businesses. The Chair moved that the Board find that there would not be any nuisance or hazard created to the detriment of the health, safety, or welfare of the occupants of the proposed use or the city and that the proposed use would 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 find that there was no reason to allow further replacement or upgrade of the equipment without an additional special permit. The Chair moved that the Board grant the special permit on the following conditions:

1. that the work proceed as per the plan and the photo simulations submitted,
2. that should the equipment become unused, it be removed within six months and the facade to which it had been mounted be repaired to its original condition, and
3. that the appearance of the equipment be maintained and not be allowed to deteriorate.

The five member Board voted unanimously in favor of granting the special permit (Sullivan, Alexander, Hughes, Green, and Myers) 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.

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Official Receipt for Recording in:

Middlesex South Registry of Deeds
208 Cambridge St.

Cambridge, Massachusetts 02141

Issued To:
GREEN MOUNTAIN COMMUNICATIONS

Recording Fees

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Document Description	Number	Book/Page	Recording Amount
DECIS	00000855	60879 280	\$75.00

			\$75.00

-----*

Collected Amounts

-----*

Payment Type	Amount
Check	41643

	\$75.00

-----*

Total Received : \$75.00
Less Total Recordings: \$75.00

Change Due : \$.00

Thank You
MARIA C. CURTATONE - Register of Deeds

By: Ed Wheeler

Receipt# Date Time
1508730 01/02/2013 01:20p



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

fp



2017 00008630
Bk: 68768 Pg: 136 Doc: DECIS
Page: 1 of 6 01/17/2017 02:23 PM

NOTICE OF DECISION

DECISION FILED WITH THE OFFICE OF THE CITY CLERK ON **December 19, 2016**

Any person aggrieved by a decision of the Board of Zoning Appeal may appeal to the Superior Court or Land Court. Appeals, if any, shall be made pursuant to Section 17, Chapter 40A, Massachusetts General Laws and shall be filed within twenty calendar days from the above date, and a copy thereof shall be filed with the Cambridge City Clerk's office by that same date

OWNER: *Brickman 955 Massachusetts LLC*
PREMISES: 955 Massachusetts Ave
Cambridge, MA *5077-549*

PETITIONER: T-Mobile Northeast LLC - C/O Ricardo M. Sousa, Esq.

PETITION: Special Permit: To modify its existing wireless telecommunications facility by collocating three (3) new L700 antennas on the existing building, together with supporting equipment. All three (3) proposed antennas will be facade mounted to the existing penthouse on the roof of the building, adjacent to the existing antennas and painted to match the existing building. The Applicants proposal complies with Section 6409 of the Spectrum Act as the collocation of antennas is not a substantial change to the existing base station. Moreover, the Applicants proposal complies with Section 4.32 and 10.4 of the Cambridge Zoning Ordinance.

DECISION: **Approved**

CASE NO: BZA-011652-2016

*For full details, please refer to the decision available at Inspectional Services Dept.



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

2016 DEC 19 PM 2:36

CASE NO: BZA-011652-2016 Residence C2-B Zone

LOCATION: 955 Massachusetts Ave
 Cambridge, MA

PETITIONER: T-Mobile Northeast LLC - C/O Ricardo M. Sousa, Esq.

PETITION: Special Permit: To modify its existing wireless telecommunications facility by collocating three (3) new L700 antennas on the existing building, together with supporting equipment. All three (3) proposed antennas will be facade mounted to the existing penthouse on the roof of the building, adjacent to the existing antennas and painted to match the existing building. The Applicants proposal complies with Section 6409 of the Spectrum Act as the collocation of antennas is not a substantial change to the existing base station. Moreover, the Applicants proposal complies with Section 4.32 and 10.4 of the Cambridge Zoning Ordinance.

VIOLATION :

Article <u>4.000</u>	Section <u>4.32.G.1 (Telecommunication Facility).</u>
Article <u>4.000</u>	Section <u>4.40 (Footnote 49) (Telecommunication Facility).</u>
Article <u>6409</u>	Section <u>Middle Class Tax Relief & Job Creation Act</u>
Article <u>10.000</u>	Section <u>10.40 (Special Permit).</u>

DATE OF PUBLIC NOTICE: November 03, 2016 and November 10, 2016

DATE OF PUBLIC HEARING: November 17, 2016;

MEMBERS OF THE BOARD:

- CONSTANTINE ALEXANDER - CHAIR
- BRENDAN SULLIVAN - VICE-CHAIR
- JANET O. GREEN
- PATRICK TEDESCO
- ANDREA A. HICKEY

ASSOCIATE MEMBERS:

- DOUGLAS MYERS
- SLATER W. ANDERSON
- ALISON HAMMER
- JIM MONTEVERDE
- GEORGE BEST
- LAURA WERNICK

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.

Case No. BZA-011652-2016
Location: 955 Massachusetts Avenue
Petitioner: T-Mobile Northeast LLC – c/o Ricardo Sousa, Esq.

On November 17, 2016, Petitioner's attorney Daniel Glissman appeared before the Board of Zoning Appeal requesting a special permit in order to modify its existing wireless telecommunications facility by collocating three new L700 antennas on the existing building, together with supporting equipment, to be façade mounted to the penthouse adjacent to the existing antennas and painted to match the building. The Petitioner requested relief under Article 4, Section 4.32.G.1 and Article 10, Section 10.40 of the Cambridge Zoning Ordinance ("Ordinance") and Section 6409 of the Middle Class Tax Relief & Job Creation Act. The Petitioner submitted materials in support of their application including information about the project, plans, and photographs.

Mr. Glissman stated that as part of a system wide upgrade, the Petitioner wished to add three new antennas to an existing telecommunications site, painted to match the building. He stated that while the site sat within a residential district, residential uses did not predominate as the area consisted largely of commercial uses. He stated that the proposed work did not constitute a substantial change under Section 6409.

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

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 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 the findings regarding the neighborhood had been made by the Board in earlier special permits and that nothing had changed that would alter those findings; that the Board find that the proposed modification of the existing telecommunication facility at the site would not substantially change the physical dimensions of the existing wireless tower or base station at such facility within the meaning of 6409(a) of The Middle Class Tax Relief and Job Creation Act of 2012, also known as The Spectrum Act; that the Board find that the requirements of the Ordinance could not be met without the granting of the Special Permit; that the Board find that traffic generated or patterns of access or egress resulting from the proposed work 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 the proposed work; that the Board find that no nuisance or hazard would

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; and that the Board find that what was proposed would not impair the integrity of the district or adjoining district or otherwise derogate from the intent and purpose of the Ordinance.

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 the photo simulations submitted by the petitioner, as initialed by the Chair,
3. that the petitioner at all times maintain the proposed work so that its physical appearance and visual impact remain consistent with the photo simulations previously referred to,
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 Best). 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 correct copy of decision filed with the offices of the City Clerk and Planning Board on 12/19/16 by Maria Jackson, 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: January 17, 2017 Ronna P. Lopez City Clerk.

Official Receipt for Recording in:

Middlesex South Registry of Deeds
208 Cambridge St.

Cambridge, Massachusetts 02141

Issued To:

SMARTLINK LLC
35 RANGEWAY RD
N BILLERICA MA

Recording Fees

Document Description	Number	Book/Page	Recording Amount
DECIS	00008630	68768 136	\$75.00
			----- \$75.00

Collected Amounts

Payment Type	Amount
Check	81082
	----- \$75.00

Total Received :	\$75.00
Less Total Recordings:	----- \$75.00
Change Due :	\$.00

Thank You
MARIA C. CURTATONE - Register of Deeds

By: Linda B

Receipt# Date Time
2044150 01/17/2017 02:23p

8

December 11, 2018

VIA HAND DELIVERY

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 **955 Massachusetts 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 955 Massachusetts 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.

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

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 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 sixteen (116’) feet 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 also is 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 hundred and sixteen (116’) feet high. The proposed replacement of three (3) of the existing nine (9) panel antennas will not affect the height of the Base Station.
2. *The modifications to the Transmission Equipment do not protrude from the edge of the support structure by more than six (6) feet.*
 - a. The replacement of three (3) of the existing antennas will not protrude from the edge of the building and therefore will not exceed the six (6) foot limitation. The replacement antennas will be installed at the same distance

from the roof line as the existing antennas. As such, the proposed modification will not protrude from the edge of the building by more than six (6) feet.

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. There are currently three (3) equipment cabinets existing at the Base Station. The Applicant does not propose to install any additional equipment cabinets.
4. *The modifications to the Transmission Equipment do not entail any excavation or deployment outside of the Base Station site.*
 - a. The Applicant is proposing to replace three (3) antennas consistent with its existing antennas. 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, dated October 24, 2002 (Case NO.8593), and the subsequent decisions, dated December 5th, 2012 (Case No. 10335), and dated December 19th 2016 (Case No. BZA-011652-2016) (together, the "Decisions"), the existing panel antennas are located in the preferred location on the building. The replacement of three (3) new antennas at the same location of the existing antennas will not defeat the existing stealth design as the replacement antennas will be painted to match the existing building and mounted on low-profile mounts. Furthermore, the proposed replacement antennas will be integrated into the building to the extent possible. As such, the three (3) replacement antennas will be in conformity with the Decisions and do not defeat the existing stealth design. The proposed installations will not substantially increase the facility and as such the proposed visual impact will be de minimus for many of the same reasons stated in the Decisions attached hereto.
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.*
 - 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 955 Massachusetts Avenue, 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

**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: 955 Massachusetts Ave

Existing Facilities

The Existing Facility is comprised of nine (9) panel antennas mounted to the roof and 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: 116'(feet)

Height above ground level of the tallest point of the existing base station after the installation of the *proposed* equipment: 116'(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.

Explanatory Comments:

Question No.5 (b)

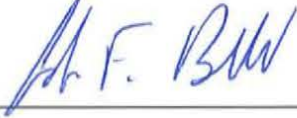
Comment: a. Pursuant to the original decision by the Zoning Board of Appeal for the City of Cambridge (the “Board”) for this Facility, dated October 24, 2002 (Case NO.8593), and the subsequent decisions, dated December 5th, 2012 (Case No. 10335), and dated December 19th 2016 (Case No. BZA-011652-2016) (together, the “Decisions”), attached hereto, the existing antennas are located in the preferred location on the building and comply with the required conditions for a stealth design. The Applicant proposes to upgrade the facility by replacing three (3) existing antennas with three (3) new antennas. The antennas mounted to the building will be painted to match the façade of the building. All proposed antennas and equipment will be integrated into the existing building to the extent possible. As such, the proposed modification will not defeat any existing stealth design.

Question No.6 (c)

Comment: Notwithstanding the aforementioned showing that the proposed modification to this site does not substantially change the physical dimensions of the existing Base Station and is subject to the Spectrum Act, this site is the proper location for a wireless installation pursuant to the Decision. Furthermore, in the Decisions, the Board stated that continued operation of adjacent uses would not be adversely affected by the previously proposed equipment addition, and no nuisance or hazard would be created to the detriment of the health, safety or welfare of

the occupant or the citizens of the City of Cambridge. The proposed modification to this site is very similar to the previous modification approved by this board and as such, we submit will have the same de minimus impact. Moreover, the proposed installation is necessary to accommodate the existing and future customer base as demand for data and cell service has steadily increased and continues to do so.

This certification is dated this 11th of December, 2018.



Signature

Adam F. Brailard, Esq., Attorney for Applicant

Name & Title

Eligible Facilities Request (EFR) Application Form

[Attach this EFR form to the local jurisdiction form used to process cell site modifications.]

Date of Submittal: December 11, 2018

Submitted by:

Name: Adam F. Braillard, Esq.

Title: Attorney for the T-Mobile Northeast LLC (the "Applicant")

Contact information: 617-456-8153, abraillard@princelobel.com

Name of Jurisdiction: City of Cambridge

Address of Jurisdiction: 831 Massachusetts Avenue, Cambridge MA 02139

Contact Name for Jurisdiction: Ranjit Singanayagam

Name of Local Government Permit Application: Building Permit

Local Government File #: _____

Street Address of Site: 955 Massachusetts Ave

Tax Parcel # of Site: Map 116, Lot 117

Latitude/Longitude of Site: _____

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

The Applicant proposes to replace three (3) existing antennas. All antennas mounted to the building will be painted to match the facade of the building.

List Each Piece of Transmission Equipment that will be Removed:

None

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

None

List Cabinets that will be Removed at the Site:

None

Permit Application Deposit Amount: _____

Municipal Consultant Review Fee Deposit (if applicable): _____



INSPECTIONAL SERVICES DEPARTMENT

City of Cambridge
831 Massachusetts Avenue
Cambridge, MA 02139

Tel: 617-349-6100
Fax: 617-349-6132

PERMIT TO BUILD, ALTER OR REPAIR ANY BUILDING

(Other than a 1 or 2 family dwelling) in accordance with the Massachusetts State Building Code 780 CMR (MSBC)

Application must be filled out completely in ink.

Building Address: 955 Massachusetts Ave Cambridge, MA
Building Owner: American Tower Corporation Tel. # 508-667-3100
Building Owner Address: 95 Ryan Drive, Ste 1, Raynham MA
Building Owner Email Address: awolfrey@clinellc.com
Contractor: Kevin Cunningham
Contractor Address: 29 Hale Road, Stow MA
Type of Work: Addition / Alteration

Zoning Information - Required (The applicant is responsible for proving Zoning compliance.):

Current Use: Rooftop Cell Proposed Use: no change Zone: commercial BZA/PB case # 011652-2016
Site(T-Mobile)

For residential: Current # of dwelling units: 0 Proposed # of dwelling units: 0

Proposed work includes: reconstruction of an existing exterior building element (porch, deck, etc.). Provide recent photos of existing conditions and fully dimensioned plans and elevations.

Proposed work includes: enclose cover porch, build uncovered exterior stairs, build uncovered exterior stairs, build decks at the 1st floor level, build roof decks over existing 1st or 2nd floors, create new windows, doors, or skylights (including moving existing units). Provide a stamped and scalable surveyor's plot plan, the height of the highest point of th roof, recent photos of existing conditions, and fully dimensioned plans and elevations. If Board of Zoning Appeals case, include copy of registered decision.

Proposed work includes; new construction, additions, dormers, bays, balconies, covered stairs/landings and/or porches, decks at the 2nd floor level or higher, roof decks over the 3rd floor or higher, or to excavate a basement, change any floor or ceiling height, change the use or increase number of dwelling units of a building, erect an outbuilding, or to do any similar work. Provide all previously listed documents (see above), plus a comprehensive Zoning analysis showing compliance with all aspects of the Cambridge Zoning Ordinances. If Board of Zoning Appeal case, include copy of registered decision.

None of the above. The proposed work is not of the types liste above and is not regulated by the Zoning Ordinance.

Certified Plot Plan: For new structures and additions, a certified plot plan shall be submitted after the foundation is poured and before any further work commences.

Description of Work as indicated on plans:

include effects of the proposed work on the structural, egress, fire protection, energy conservation, light and ventilation systems of the space or building

Antennas Swap on behalf of T-Mobile

Note: 2 sets of construction documents, plus 1 set in digital format required to be submitted for review.

Estimated Cost of Construction:

Table with 4 columns: Building (\$15,000.00), Electric (\$0.00), Plumbing/Gas (\$0.00), HVAC (\$0.00)

Total Estimated Cost of Construction: \$15,000.00

Total construction costs include all work done concurrently with the work contemplated by the building permit including demolition, plumbing, heating, electrical, air conditioning, painting, wall to wall carpeting, landscaping, site improvements, etc. A final cost affidavit signed by the owner will required at construction completion for all projects over \$50,000.

Energy Conservation - Stretch Code Compliance

New Construction - HERS Rating (Home Energy Rating System, report included)

Rating: _____

Additions, Alterations, Renovations or Repairs

- Proposed work does not access or affect building energy envelope.
- Envelope insulation requirements meet or exceed Energy Code requirements (additions or renovations)
- Cavities fully filled with insulating materials which meet or exceed an R-value of 3.5 inches (renovation only). Indicate type:

Fiberglass Spray Foam Blown in Cellulose Other _____

U - Value of windows _____

All work requires a completed Energy Star Qualified Homes Thermal Bypass Inspection Checklist at final inspections. The form is available at www.energystar.gov or from the Building Official.

LEED Certification Ratings Level _____ Ratings Credits 0 _____

Alternative Energy

Solar Panels No. 0 _____ Use for hot water

Cogeneration System No. 0 _____ Size _____

Location _____

Wind Turbines No. 0 _____ Size _____

Location _____

Building Construction Type

Non Combustible (Type I/II) Masonry/Wood (III) Wood (IV,V)

Building equipped with: Sprinkler System Fire Alarm Smoke Detection

Fire Protection

For proposed work that may include any fire protection work as regulated by MSBC Ch. 9, Fire Protection Systems, review and approval of the construction documents by the Cambridge Fire Dept. is required before submittal.

Cambridge Fire Dept. has reviewed this application Yes No

A narrative report describing all fire protection systems and their operation is required to be submitted with this application (Sec. 902.1 #1a, MSBC Amended)

This report has been submitted Yes No

City of Cambridge Noise Ordinance

The undersigned as the Architect/Construction Supervisor/Owner for this proposed construction do hereby certify awareness and knowledge of Chapter 8.16 of the Cambridge Municipal Code concerning noise control. Cambridge Municipal Code available upon request or online.

I certify that necessary actions will be taken concerning the design, specification of and location of noise producing equipment: e.g., air conditioning condensers, heating equipment exhausts, etc., to insure that this project will not result in noise levels that exceed that allowed by the Municipal Code.

Name Adam Wolfrey Title Consultant

Applicant Signature Adam Wolfrey License / Registration # _____

Please note that additional Mechanical permits and Sheet Metal permits may be required for installation of any mechanical system. New rooftop units (including solar panels) require an existing building analysis by a Registered Structural Engineer for suitability of the installation.

Construction Services (Required)

Any project proposed for any building over 35,000 ft. must meet the requirements of Sec. 107.6 & Ch. 17 MSBC

Architect/Registered Design Professional (Construction Control Sec. 107, MSBC Amended)

Name: John Stevens Phone #: _____
 Firm: _____ Cell Phone #: 508-667-3100
 Address: 95 Ryan Drive STe, Raynaham MA
 MA Registration #: 4964 Email Address: awolfrey@clinellc.com

Application shall include signed and stamped letter from Registered Design Professional attesting to duties and obligations required by Sec. 107.6 and Chp. 17 MSBC Amended. Application shall also include schedule of tests, inspections and observations as required by Sec. 1701.11 MSBC Amended.

Structural Peer Review (MSBC 780 CMR 105.9 Amended)

Is Independent Structural Engineering Peer Review required? Yes

If Yes, review must be submitted with application. Peer review is required for high rise construction or buildings of unusual complexity as determined by the BBRS.

Read before signing: the undersigned hereby certifies that he/she has read and examined this application and that the proposed work subject to the provisions of the Massachusetts State Building Code and other applicable laws and ordinances is accurately represented in the statements made in this application and that the work shall be carried out in accordance with the foregoing statements and in compliance with the provisions of law and ordinance in force on the date of this application to the best of his/her ability.

Licensed Construction Supervisor

Name: Kevin Cunningham Phone #: _____
 Address: 29 Hale Road, Stow MA Cell Phone #: 508-667-3100
 License #: 088703 Expiration Date: 10/17/2017 Class: cs
 Email Address: kevin@aerialwireless.com
 Signature: Adam Wolfrey(agent) Date: 07/31/2017

Registered Home Improvement Contractor (required only for 3 or 4 family owner-occupied dwellings)

Name: _____ Phone #: _____
 Firm Name: _____ Cell Phone #: _____
 Address: _____
 Registration #: _____ Expiration Date: _____
 Email Address: _____
 Signature: _____ Date: _____

Building Owner of Record (Application must be signed by owner of building)

Name: American Tower Corporation Phone #: _____
 Address: 95 Ryan Drive, Ste 1, Raynaham MA Cell Phone #: 508-667-3100
 Email Address: awolfrey@clinellc.com
 Signature: Adam Wolfrey Date: 07/31/2017

Hold Harmless Clause: The permittee(s) by acceptance of this permit agree(s) to indemnify and hold harmless the City of Cambridge and it's employees from and against any and all claims, demands and actions for damages resulting from operations under this permit regardless of negligence of the City of Cambridge and it's employees are to assume the defense of the City of Cambridge and it's employees against all claims, demands and actions.

Massachusetts general Law Requirements

Worker's Compensation Insurance Affidavit (MGL c. 152 § 25C96)

A certificate of insurance indicating Worker's Compensation coverage or a completed Worker's Compensation Insurance Affidavit must be submitted with this application. Failure to provide this affidavit will result in the denial of issuance of the building permit. Failure to secure coverage as required under Section 25A of MGL c. 152 can lead to imposition of a fine of up to \$1500.00 and/or one-year imprisonment as well as civil penalties in the form of a Stop Work Order and a fine of up to \$250.00 a day against the violator.

Signed affidavit or certificate of insurance attached:

Construction Debris Affidavit (MGL c.40 §54)

As a result of the provisions of MGL c.40 §54, I acknowledge that as a condition of the building permit all debris resulting from the construction activity governed by this building permit shall be disposed of in a properly licensed waste disposal facility as defined by MGL c. 111 § 150A.

The debris will be disposed at/by: _____

Method of Removal: Dumpster Dumpster License: 0

I certify that I will notify the Building Official by (date, 2 months max.) of the location of the solid waste disposal facility where the debris resulting from said construction activity shall be disposed of and I shall submit the appropriate form for attachment to the building permit.

Signature: AW(agent)

Official Use Only

Department Approvals

BZA	_____	Date: _____	Electrical	_____	Date: _____
Planning Board	_____	Date: _____	Plumbing	_____	Date: _____
Historic	_____	Date: _____	D. P. W.	_____	Date: _____
Fire Department	_____	Date: _____	Parking	_____	Date: _____

Application Approval

Subject to the provisions of the Massachusetts State Building Code 780 CMR and the Zoning Laws of the City of Cambridge.

Application and plans accepted by: _____ Bin #: _____ Date: _____

Zoning approved by: _____ Date: _____

Plan review approved by: _____ Date: _____

Permit approved/granted by: _____ Date: _____

Inspection Record

Final Inspection Date: _____ By: _____

Final Affidavits Submitted

Final Cost	<input type="checkbox"/>	Cirtified Foundation Plan	<input type="checkbox"/>
Architect	<input type="checkbox"/>	Certificate of Occupancy Issued	<input type="checkbox"/>
General Contractor	<input type="checkbox"/>		
Structural Engineer	<input type="checkbox"/>		



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/10/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


PRODUCER The James B. Oswald Company 39572 Woodward Ave Suite 201 Bloomfield Hills MI 48304	CONTACT NAME: Wanda Mondry PHONE (A/C, No, Ext): (248) 433-1466 FAX (A/C, No): (248) 433-7611 E-MAIL ADDRESS: WMondry@oswaldcompanies.com																				
	<table border="1"> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A:</td> <td>Zurich American Insurance Company</td> <td>16535</td> </tr> <tr> <td>INSURER B:</td> <td>Indian Harbor Insurance Co.</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Zurich American Insurance Company	16535	INSURER B:	Indian Harbor Insurance Co.		INSURER C:			INSURER D:			INSURER E:			INSURER F:	
INSURER(S) AFFORDING COVERAGE		NAIC #																			
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INSURER B:	Indian Harbor Insurance Co.																				
INSURER C:																					
INSURER D:																					
INSURER E:																					
INSURER F:																					
INSURED Aerial Wireless Services LLC 125 Depot Street Bellingham MA 02019																					

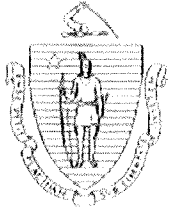
COVERAGES **CERTIFICATE NUMBER:** 18-19 GL.Umb.WC.E&O **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	GLO-0147104-02	09/09/2018	09/30/2019	EACH OCCURRENCE \$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000						
							MED EXP (Any one person) \$ 10,000
							PERSONAL & ADV INJURY \$ 1,000,000
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMPI/OP AGG \$ 2,000,000
							CGL \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y				COMBINED SINGLE LIMIT (Ea accident) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB OCCUR CLAIMS-MADE DED RETENTION \$	Y	Y	AUC-7199801-00	09/09/2018	09/09/2019	EACH OCCURRENCE \$ 10,000,000
							\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	WC-0147105-02	09/09/2018	09/09/2019	PER STATUTE OTHER
							E.L. EACH ACCIDENT \$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Errors & Omissions Liability			PEC0049858	05/11/2018	05/11/2019	Per Occ / Agg Limit \$1M / \$1M

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 



The Commonwealth of Massachusetts
 Department of Industrial Accidents
 Office of Investigations
 600 Washington Street
 Boston, MA 02111
 www.mass.gov/dia

Workers' Compensation Insurance Affidavit: Builders/Contractors/Electricians/Plumbers
 Applicant Information Please Print Legibly

Name (Business/Organization/Individual): Aerial Wireless Services

Address: 125 Depot Street

City/State/Zip: Bellingham, MA 02019 Phone #: 508-657-1213

Are you an employer? Check the appropriate box:		Type of project (required): 6. <input type="checkbox"/> New construction 7. <input type="checkbox"/> Remodeling 8. <input type="checkbox"/> Demolition 9. <input type="checkbox"/> Building addition 10. <input type="checkbox"/> Electrical repairs or additions 11. <input type="checkbox"/> Plumbing repairs or additions 12. <input type="checkbox"/> Roof repairs 13. <input checked="" type="checkbox"/> Other
1. <input checked="" type="checkbox"/> I am an employer with <u>120</u> employees (full and/or part-time). [*] 2. <input type="checkbox"/> I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required.] 3. <input type="checkbox"/> I am a homeowner doing all work myself. [No workers' comp. insurance required.] [†]	4. <input type="checkbox"/> I am a general contractor and I have hired the sub-contractors listed on the attached sheet. These sub-contractors have employees and have workers' comp. insurance. [‡] 5. <input type="checkbox"/> We are a corporation and its officers have exercised their right of exemption per MGL c. 152, §1(4), and we have no employees. [No workers' comp. insurance required.]	

^{*}Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information.
[†]Homeowners who submit this affidavit indicating they are doing all work and then hire outside contractors must submit a new affidavit indicating such.
[‡]Contractors that check this box must attached an additional sheet showing the name of the sub-contractors and state whether or not those entities have employees. If the sub-contractors have employees, they must provide their workers' comp. policy number.

I am an employer that is providing workers' compensation insurance for my employees. Below is the policy and job site information.

Insurance Company Name: Zurich American Insurance Company

Policy # or Self-ins. Lic. #: WC-0147105-02 Expiration Date: 9/9/2019

Job Site Address: _____ City/State/Zip: _____

Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date). Failure to secure coverage as required under Section 25A of MGL c. 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator. Be advised that a copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature: *Ker [Signature]* Date: 9/14/18

Phone #: 508-657-1213

Official use only. Do not write in this area, to be completed by city or town official.

City or Town: _____ Permit/License #: _____

Issuing Authority (circle one):
 1. Board of Health 2. Building Department 3. City/Town Clerk 4. Electrical Inspector 5. Plumbing Inspector
 6. Other _____

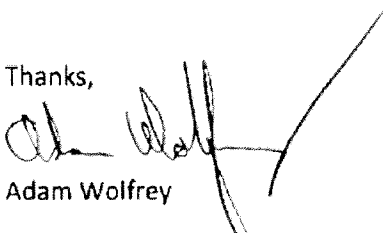
Contact Person: _____ Phone #: _____

6/9/17

To Whom It May Concern:

My name is Adam Wolfrey and recently T-Mobile hired my company to upgrade their equipment at the cell site located on 955 Massachusetts Avenue. The total cost of construction is \$15,000. Can you please email me how much the permit fee is?

Thanks,

A handwritten signature in black ink, appearing to read 'Adam Wolfrey', with a long, sweeping flourish extending to the right.

Adam Wolfrey

awolfrey@clinellc.com



Massachusetts Department of Public Safety
Board of Building Regulations and Standards

License **CS-088703**
Construction Supervisor

KEVIN CUNNINGHAM
29 HALE RD
STOW MA 01776



Matthew C.
Commissioner

Expiration
10/09/2017



CERTIFICATE OF LIABILITY INSURANCE

AERIWIR-01

MAJA

DATE (MM/DD/YYYY)

9/7/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER Oswald Companies - Detroit, MI 39572 Woodward Ave., Suite 201 Bloomfield Hills, MI 48304	(248) 433-1466	CONTACT NAME: Wanda Mondry
		PHONE (A/C, No, Ext): (248) 433-7616 FAX (A/C, No): (248) 433-1711
E-MAIL ADDRESS: wmondry@oswaldcompanies.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Zurich American Ins Co		16535
INSURER B:		
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

INSURED
Aerial Wireless Services LLC
125 Depot Street
Bellingham, MA 02019

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD YVVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	N N	GLO014710400	9/9/2016	9/9/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPOP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	N N	BAP014710600	9/9/2016	9/9/2017	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ 1,000,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ None	N N	AUC014711300	9/9/2016	9/9/2017	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	WC014710500	9/9/2016	9/9/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E L EACH ACCIDENT \$ 1,000,000 E L DISEASE - EA EMPLOYEE \$ 1,000,000 E L DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

For Information Purposes

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2014 ACORD CORPORATION. All rights reserved.



The Commonwealth of Massachusetts
 Department of Industrial Accidents
 1 Congress Street, Suite 100
 Boston, MA 02114-2017
 www.mass.gov/dia

Workers' Compensation Insurance Affidavit: Builders/Contractors/Electricians/Plumbers.
 TO BE FILED WITH THE PERMITTING AUTHORITY.

Applicant Information

Please Print Legibly

Name (Business/Organization/Individual): Aerial Wireless Services, LLC

Address: 125 Depot Street

City/State/Zip: Bellingham, MA 02019 Phone #: 508-657-1213

Are you an employer? Check the appropriate box:

- 1. I am an employer with 83 employees (full and/or part-time).*
- 2. I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required.]
- 3. I am a homeowner doing all work myself. [No workers' comp. insurance required.]†
- 4. I am a homeowner and will be hiring contractors to conduct all work on my property. I will ensure that all contractors either have workers' compensation insurance or are sole proprietors with no employees.
- 5. I am a general contractor and I have hired the sub-contractors listed on the attached sheet. These sub-contractors have employees and have workers' comp. insurance.‡
- 6. We are a corporation and its officers have exercised their right of exemption per MGL c. 152, §1(4), and we have no employees. [No workers' comp. insurance required.]

Type of project (required):

- 7. New construction
- 8. Remodeling
- 9. Demolition
- 10. Building addition
- 11. Electrical repairs or additions
- 12. Plumbing repairs or additions
- 13. Roof repairs
- 14. Other _____

*Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information.

† Homeowners who submit this affidavit indicating they are doing all work and then hire outside contractors must submit a new affidavit indicating such.

‡ Contractors that check this box must attached an additional sheet showing the name of the sub-contractors and state whether or not those entities have employees. If the sub-contractors have employees, they must provide their workers' comp. policy number.

I am an employer that is providing workers' compensation insurance for my employees. Below is the policy and job site information.

Insurance Company Name: Zurich American Ins Co

Policy # or Self-ins. Lic. #: WC014710500 Expiration Date: 9/9/2017

Job Site Address: _____ City/State/Zip: _____

Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date).

Failure to secure coverage as required under MGL c. 152, §25A is a criminal violation punishable by a fine up to \$1,500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator. A copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature: [Signature] Date: 9/8/2016

Phone #: 508-657-1213

Official use only. Do not write in this area, to be completed by city or town official.

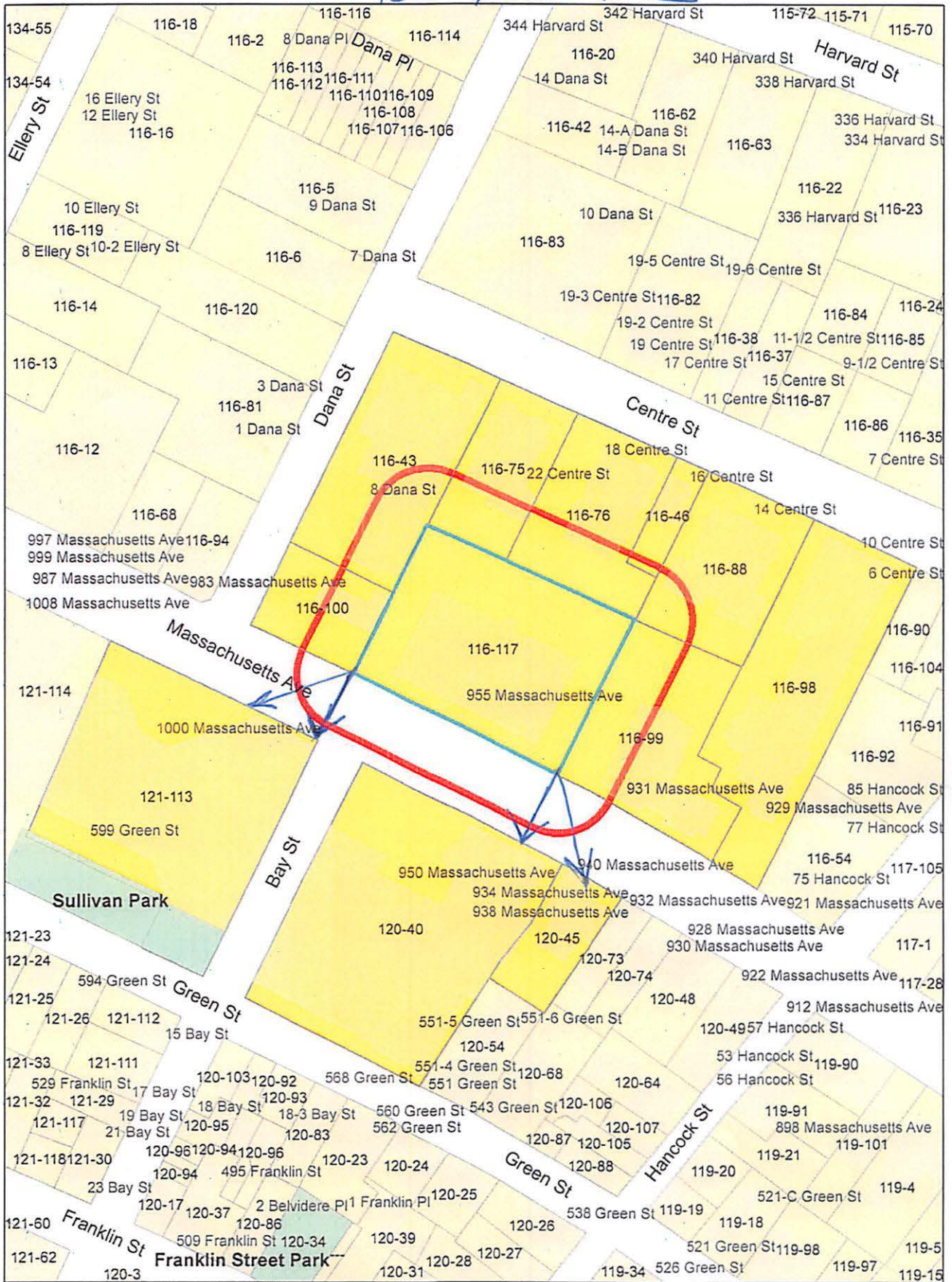
City or Town: _____ Permit/License # _____

Issuing Authority (circle one):

- 1. Board of Health 2. Building Department 3. City/Town Clerk 4. Electrical Inspector 5. Plumbing Inspector
- 6. Other _____

Contact Person: _____ Phone #: _____

955 Mass Ave



955 Mass Ave Petitioner 197

116-43
CRNC REALTY, LLC
8 DANA ST
CAMBRIDGE, MA 02138

116-46
BRACKMAN, DAVID J. & DEBRA B. SEGAL
16 CENTRE STREET
CAMBRIDGE, MA 02139

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

116-98
GPT-929 HOUSE, LLC. EQR-R.E
TAX DEPARTMENT
P.O BX 87407 (19038)
CHICAGO, IL 60680

116-99
LIN, THOMAS Y. & JENNIFER J. SHIN
931 MASS AVE., #203
CAMBRIDGE, MA 02139

DWF V 955 MASSACHUSETTS, LLC
ATTN: JEFFREY LONGNECKER
DIVCOWEST
200 STATE STREET
BOSTON, MA 02109

116-99
SANTAMARIA, HERNANDO &
MARIE E. JAMISON
931 MASS AVE., UNIT #205
CAMBRIDGE, MA 02139

116-99
KONG, WEN-YUAN,
TR. THE WEN-YUAN KONG 2014 REV TRUST
72 HILL CREST AVE
LEXINGTON, MA 02420

116-99
CHANG, YI PU
931 MASS AVE #301
CAMBRIDGE, MA 02139

116-99
PAYNE, PATRICIA C.
931 MASS AVE #302
CAMBRIDGE, MA 02139

116-99
KOST, GENIA & JOSEPH KOST
931 MASSACHUSETTS AVE. -UNIT #303
CAMBRIDGE, MA 02139

116-99
BERRIZ, GABRIEL
931 MASS AVE., UNIT #304
CAMBRIDGE, MA 02139

116-99
TSITSIKLIS, DAPHNE POLITIS &
KAREN POLITIS VIRK, TRS OF IRENE POLITIS
665 LOWELL ST #53
LEXINGTON, MA 02420

116-99
THEODOSIOU, NICOLETA & GEORGE THEODOSIOU
TRS. OF NICOLETA THEODOSIOU TRUST
931 MASS AVE., UNIT 306
CAMBRIDGE, MA 02139

116-99
MOTAKEF, SHAHRNAZ
6775 MALACHITE PLACE
CARLSBAD, CA 92009

116-99
AMORNSIRIPANITCH, NITA
931 MASSACHUSETTS AVE. - UNIT #402
CAMBRIDGE, MA 02139

116-99
GWC REALTY, LLC
C/O CHAN
10 EDELWEISS AVE
LINCOLN, RI 02865

116-99
LEE, JANICE Y.
931 MASSACHUSETTS AVE., #404
CAMBRIDGE, MA 02139

116-99
LAM, LUI & ADA AU
931 MASSACHUSETTS AVE., #405
CAMBRIDGE, MA 02139

116-99
PERIANA, CECILY J.
931 MASSACHUSETTS AVE. UNIT #406
CAMBRIDGE, MA 02139

116-99
NG, CHONG KEAT & YI XE THNG
30 CAMBRIDGEPARK DRIVE, APT 414
CAMBRIDGE, MA 02142

116-99
LAI, HSIU-CHEN HSU. & CHING-LI LAI
931 MASSACHUSETTS AVE., STE #502
CAMBRIDGE, MA 02139

116-99
VANGER, MILTON I. & ELSA M. VANGER
931 MASSACHUSETTS AVE #503
CAMBRIDGE, MA 02139

116-99
GRAYSON III, MCCOMMA
931 MASS AVE #504
CAMBRIDGE, MA 02139

116-99
BUDNITZ, JESSICA S.
20000 BROADWAY ST., #1204
SAN FRANCISCO, CA 94115

116-99
KIM, DAVID & EILEEN KIM
931 MASSACHUSETTS AVE., #506
CAMBRIDGE, MA 02139

116-99
GRAGOUDAS, STELIOS
931 MASS AVE. UNIT#601
CAMBRIDGE, MA 02138

116-99
PERIANA, CECILY
931 MASSACHUSETTS AVE. #603
CAMBRIDGE, MA 02139

116-99
TIAN, XIA
931 MASS AVE. UNIT#604
CAMBRIDGE, MA 02139

116-99
HAJJAR, CHARLES C. & ANNE T. HAJJAR
C/O HAJJAR MANAGEMENT COMPANY, INC.
30 ADAMS ST.
MILTON, MA 02186

116-99
ORLEN, YANA
931 MASS AVE #606
CAMBRIDGE, MA 02139

116-99
JANSON, ROBERT, PATRICIA JANSON AND
JENNIFER JANSON
931 MASSACHUSETTS AVE. - UNIT #703
CAMBRIDGE, MA 02138

116-99
MALAMUD, PAUL, JANNA M. SMITH &
DAVID M. SMITH, TRS
55 THOMPSON LANE
MILTON, MA 02186

116-99
ARNSTEIN, MATTHEW & DOLPHIA NANDI
931 MASSACHUSETTS AVE., #901
CAMBRIDGE, MA 02139

116-99
CHITILIAN, HOVIG
931 MASSACHUSETTS AVE. UNIT #904
CAMBRIDGE, MA 02139

116-99
THEODOSIOU, GEORGE
TRUSTEE GEORGE THEODOSIOU TRUST
931 MASS AVE., UNIT #1002 /01
CAMBRIDGE, MA 02139

116-99
RUPPRECHT, HSIAO-WEI, KLAUS RUPPRECHT &
CHRISTOPH RUPPRECHT
1644 MASSACHUSETTS AVE
CAMBRIDGE, MA 02138

116-99
ALI, KHALEEM & KAMILA MOHAMMED-ALI
931 MASS AVE. UNIT #1201
CAMBRIDGE, MA 02139

116-100
KONSTANDAKIS, NICHOLAS & JOHN POLITIS,
TRS. OF 975 REALTY TRUST
975 MASS AVE
CAMBRIDGE, MA 02139

120-40
LIU, FAN
950 MASS AVE., #1B
CAMBRIDGE, MA 02139

116-99
GRAGOUDAS, EVANGELOS S.
931 MASSACHUSETTS AVE. #701
CAMBRIDGE, MA 02139

116-99
KARNIK, ROHIT NANDKUMAR
931 MASS AVE. UNIT #704
CAMBRIDGE, MA 02139

116-99
CHEUNG, JOANNA K. & NIM KWAN CHEUNG
VILLA ATHENA, #19A
BLOCK-10 600 SA SHA RD
MAOU SHAU, - -

116-99
 TSAI WENG KUN -WU
931 MASS AVE #902
CAMBRIDGE, MA 02139

116-99
LO, STEPHANIE
931 MASSACHUSETTS AVE, #PH1
CAMBRIDGE, MA 02139

116-99
MAKHLIS, LEV
931 MASS AVE., UNIT #1003
CAMBRIDGE, MA 02139

116-99
ENTEKHABI, DARA
931 MASS AVE #1102
CAMBRIDGE, MA 02139

116-99
UNIT 1202 LLC
11008 BAYSHORE DR
WINDERMERE, FL 34786

116-117
BRICKMAN 955 MASSACHUSETTS LLC,
C/O DWF V 955 MASSACHUSETTS LLC
575 MARKET ST., 35TH FLOOR
SAN FRANCISCO, CA 94105

120-40
MITZMAN, JONATHAN S.
950 MASSACHUSETTS AVE. - UNIT #1C
CAMBRIDGE, MA 02139

116-99
UNIT 702, LLC
11008 BAYSHORE DR
WINDERMERE, FL 34786

116-99
KONG, WEN-YUAN,
TR. THE WEN-YUAN KONG 2014 REV TRUST
72 HILLCREST AVE
LEXINGTON, MA 02420

116-99
HUI, MICHAEL
1132 SHORELINE DR
SAN MATEO, CA 94404

116-99
ANISIMOV, ANDREW & NICHOLAS ANISIMOV
931 MASSACHUSETTS AVE., #903
CAMBRIDGE, MA 02139

116-99
TENENBAUM, ARLENE B. &
JAY M. TENENBAUM TRUSTEE
931 MASSACHUSETTS AVE., #PHS
CAMBRIDGE, MA 02139

116-99
CHO FAMILY LIMITED PARTNERSHIP
257 LOWELL ST
ARLINGTON, MA 02474

116-99
RAINWATER, CAROL K.
TRUSTEE OF CAROL K. RAINWATER REV TR
931 MASSACHUSETTS AVE. UNIT 1103
CAMBRIDGE, MA 02139

116-99
LEE, ARNOLD K.S. & ARTHUR K.C LEE &
ANNABELLA M.Y. LEE
931 MASSACHUSETTS AVE., #1203
CAMBRIDGE, MA 02139

120-40
CORNELISON, CORBET L & JUDITH ANN PIRANI
C/O LEE, SHIHUI JANICE & CHEE TENG LEE
950 MASS AVE #1A
CAMBRIDGE, MA 02139

120-40
SMIRNAKIS, JOHN & STELIOS SMIRNAKIS
43 SCOTCH PINE RD
WESTON, MA 02493

120-40
TANG, ZHIQJ JESSICA YU
110 LORI DR
SCHENECTADY, NY 12309

120-40
FLAHERTY, KEITH, MIRA KAUTZKY, &
EVA EHRLICH
950 MASSACHUSETTS AVE., UNIT 2C
CAMBRIDGE, MA 02139

120-40
MCDEVITT, KEVIN T.
950 MASS. AVE., #3A
CAMBRIDGE, MA 02139

120-40
ALCALAY, ROY N.
372 CENTRAL PARK WEST #8D
NEW YORK, NY 10025

120-40
WONG, GERMAINE
950 MASSACHUSETTS AVE., #3C
CAMBRIDGE, MA 02139

120-40
950 MASS ASSET HOLDING LLC
C/O RUBERTO, ISRAEL & WEINER, PC
255 STATE ST. 7TH FL
BOSTON, MA 02109

120-40
PAN, JUN
950 MASSACHUSETTS AVE., #C2
CAMBRIDGE, MA 02139

120-40
FINANCIAL ASSOCIATES, INC.
P.O BOX 487
DEDHAM, MA 02026

120-40
BAY SQUARE CONDOMINIUM TRUST
C/O THAYER & ASSOC.
1812 MASSACHUSETTS AVE
CAMBRIDGE, MA 02140

120-40
RANDOLPH, BRETT W. F.
950 MASS AVE #104
CAMBRIDGE, MA 02139

120-40
RANDOLPH, BRETT W.F.
950 MASS AVE #104
CAMBRIDGE, MA 02139

120-40
KHANACHET, SAMER S.,
TR OF THE BAY SQUARE 106 REALTY TRUST
C/O CHARTER CAPITAL MANG. INC.
176 FEDERAL ST., FL #2
BOSTON, MA 02110

120-40
QUIRK, PETER J & KATHERINE T. MATISON
TRUSTEES OF THE QUIRK/MATISON REALTY TR
8 DAVIS RD
SOUTHBOROUGH, MA 01772

120-40
BUNNER, BERNARD M. & ELENA CHEKHOVA
1044 CHESTNUT ST
NEWTON, MA 02464

120-40
SOLOMON, JONATHAN
P.O BOX 426186
CAMBRIDGE, MA 02142

120-40
LEE, KENNETH S. & PEGGY L. LEE
950 MASSACHUSETTS AVE. -UNIT #204
CAMBRIDGE, MA 02138

116-88
CAMBRIDGE CENTRE LLC,
C/O CHESTNUT HILL REALTY CORP.
300 INDEPENDENCE DRIVE
CHESTNUT HILL, MA 02467

120-40
LIN, SU-MAAN KUO,
TR. THE SU-MAAN KUO LIN REV TRUST
950 MASSACHUSETTS AVE., # 206
CAMBRIDGE, MA 02139

120-40
RAND, TIMOTHY D.
950 MASS AVE #207
CAMBRIDGE, MA 02139

120-40
BELLOW, JEAN M.
950 MASSACHUSETTS AVE., #208
CAMBRIDGE, MA 02139

120-40
LAI, JOANNE P.,
TRUSTEE THE LILLIAN M. LAI TRUST
136 CENTRAL WAY, #203
KIRKLAND, WA 98033

120-40
CHAN, BELLE MAY-SHUN, MING-CHEONG ERIK
CHAN & DEREK VICTOR CHAN
3027 ULSTER COURT
DENVER, CO 80238

120-40
HELLER, HOWARD
950 MASS. AVE. #212
CAMBRIDGE, MA 02139

120-40
GREENE, MARY E. & ROBERT A. GREENE
950 MASS AVE. UNIT#213
CAMBRIDGE, MA 02139

120-40
LANDAU, JACQUELINE C.
950 MASS. AVE., #214
CAMBRIDGE, MA 02139

120-40
GUPTA, NARINDER & HUMA GUPTA
950 MASSACHUSETTS AVE., #215
CAMBRIDGE, MA 02139

120-40
RUBIALES, CARLOS F.
950 MASS AVE #216
CAMBRIDGE, MA 02139

120-40
LECERF, JEAN-MICHAEL &
SARAH GHAFFARI-LECERF
22 WATSON STREET
CAMBRIDGE, MA 02139

120-40
KHAN, MOHAMMED H. & HASINA A. KHAN CO-
TRUSTEES, 950 MASS AVE REALTY TRUST
950 MASSACHUSETTS AVE., #218
CAMBRIDGE, MA 02138

120-40
NEVINS, ROBERT L.,
TRUSTEE OF GRANITE NOMINEE TRUST
C/O DEBBIE KOPLOW
950 MASS. AVE., UNIT #219
CAMBRIDGE, MA 02139

120-40
MAO, YUNTAO
950 MASSACHUSETTS AVE., #220
CAMBRIDGE, MA 02139

120-40
WIRASINHA, EDWIN A &
HEMAMALI C. WIRASINHA
950 MASSACHUSETTS AVE - UNIT 301
CAMBRIDGE, MA 02139

120-40
SEAGRASS LLC
C/O SULLIVAN, DAVID W.
390 GULL POND RD.
WELLFLEET, MA 02667

120-40
PRAKASH, SADHANA
950 MASSACHUSETTS AVE., #306
CAMBRIDGE, MA 02139

120-40
HUR, JAYOUN
550 FRONT ST UNIT #805
SAN DIEGO, CA 92101

120-40
LU, CHING C. & CHING-CHIEH LU
TRUSTEE OF LU REAL ESTATE TRUST
950 MASS AVE., UNIT #305
CAMBRIDGE, MA 02139

120-40
ARNSTEIN, MATTHEW A. & DOLPHIA NANDI
950 MASSACHUSETTS AVE., #306
CAMBRIDGE, MA 02139

120-40
ABBOTT, MIRI CHUNG
1 CENTRAL PARK WEST., #27E
NEW YORK, NY 10023

120-40
LESHKOWICH, MEREDITH
950 MASS AVE. UNIT#308
CAMBRIDGE, MA 02139

120-40
AL-HASHIMY, EBRAHIM REDHA ALI
C/O NILES CO., ATTN: BOBBI BISHOP
ONE WATERHOUSE ST.
CAMBRIDGE, MA 02138

120-40
ZAVOLEAS, KYRIAKOS P. & MELINA SMIRNIOU
950 MASS AVE. UNIT#310
CAMBRIDGE, MA 02138

120-40
LIEN, LESTER
3640 RALSTON AVE
HILLSBOROUGH, CA 94010

120-40
WEISS, PAMELA FUIRST
950 MASS. AVE. UNIT #312
CAMBRIDGE, MA 02139

120-40
MEISTER, MELVIN, JEAN R. MEISTER NINA R.
MEISTER GRIMALDI, TRS
950 MASSACHUSETTS AVE - UNIT #313
CAMBRIDGE, MA 02139

120-40
LIEN, LYNDON
30 SUMMERHOLME PLACE
HILLSBOROUGH, CA 94010

120-40
LIM, JONGWON & BOOYONG LIM,
TRS THE LIM FAMILY TRUST
254 EAST EMERSON RD
LEXINGTON, MA 02420

120-40
SOLOMON, JONATHAN
950 MASSACHUSETTS AVE 316
CAMBRIDGE, MA 02139

120-40
SIREGAR, EMIR
950 MASS AVE., UNIT #317
CAMBRIDGE, MA 02139

120-40
KEOW, GANN & SUSANNA BAY &
KUEH HEONG MAH
50 DRAYCOTT PARK #07-01
SINGAPORE ---, -- 25939

120-40
KESHISHIAN, VARTAN &
SEDA EBRAHIMI KESHISHIAN
950 MASS AVE. UNIT#319
CAMBRIDGE, MA 02139

120-40
CHUNG, JUN JA LEE
1 CENTRAL PARK WEST #27E
NEW YORK, NY 10023

120-40
WIRASINHA, EDWIN A., HEMAMILA C.
WIRASINHA, & H. ANUSHKA WIRASINHA
950 MASS AVE #401
CAMBRIDGE, MA 02139

120-40
AN, DAVID L. & YOHAN AN
950 MASSACHUSETTS AVE., #402
CAMBRIDGE, MA 02139

120-40
HASSON, AMIR A.
950 MASS AVE #403
CAMBRIDGE, MA 02139

120-40
TRACHTA, SUSAN VERONICA
1033 BRUSH HILL RD.
MILTON, MA 02186

120-40
FLETCHER, CHRISTOPHER D.M.
950 MASSACHUSETTS AVE., UNIT 405
CAMBRIDGE, MA 02139

120-40
HSIAO, JU-TING & HENRY K. WANG
3F #7 ALLEY 46 LONG JIANG RD
TAIPEI, _ -

120-40
O'LEARY, FRANCES P.
950 MASS AVE. UNIT#407
CAMBRIDGE, MA 02139

120-40
JACOBSON, NANCY C.
TR. OF THE NANCY C. JACOBSON REV TRUST
950 MASS AVE. UNIT#408
CAMBRIDGE, MA 02139

120-40
EICHLER, EWALD & HANSA EICHLER
ROSEG GERWEG 2
MODLING, _ 2340

120-40
FISCHER, MARY ELLEN
270 SARATOGA BLVD
SARATOGA SPRINGS, NY 12866

120-40
ARBOLEDA, CATALINA
950 MASSACHUSETTS AVE., #413
CAMBRIDGE, MA 02139

120-40
LIU, YU-TZU & LIN MEI-FUN LIU
950 MASS AVE., UNIT #416
CAMBRIDGE, MA 02139

120-40
RAHMAN, UPAL C/O SHEFFI, JONATHAN
950 MASS AVE., UNIT# 419
CAMBRIDGE, MA 02139

120-40
SMIRNAKIS, STELIOS & KAREN M. SMIRNAKIS
43 SCOTCH PINE RD
WESTON, MA 02493

120-40
HAGHAYEGHI, HOSSEIN,
1105 MASS AVE. UNIT PHA
CAMBRIDGE, MA 02138

120-40
RONA, MEHMET
950 MASS. AVE., #508
CAMBRIDGE, MA 02139

120-40
YIP, WINNIE CHI-MAN
950 MASS. AVE., #511
CAMBRIDGE, MA 02139

120-40
BEINART, DOREEN,
TR OF BAY SQUARE REALTY TRUST
7 LONGFELLOW PK
CAMBRIDGE, MA 02138

120-40
LEE, HANMIN & YANPING WANG
18 WASHINGTON ST. #116
CANTON, MA 02021

120-40
SHIH, CHUNG & CHIN-CHIAO CAROL HSU
TRUSTEE OF HSU FAMILY TRUST.
P.O BX 2470
CUPERTINO, CA 95015

120-40
OWEN, THOMAS C. & SUE ANN OWEN
950 MASS AVE., UNIT #414
CAMBRIDGE, MA 02139

120-40
GRIGORIEV, SERGIE,
TRUSTEE THE 950 U417 REALTY TRUST
110A INMAN ST
CAMBRIDGE, MA 02139

120-40
MONTAGUT, ERIC & SHAHREZAD MOTAKEF
10 BURDEAN RD
NEWTON, MA 02459

120-40
CLANCY, DEBRA FAUST
50 SANDY POND RD
AYER, MA 01432

120-40
TIAN, XIN & XIAOTONG YAN
950 MASSACHUSETTS AVE 506
CAMBRIDGE, MA 02139

120-40
CHEN, JUI-LIAN & CHIH HUEI-CHENG CHEN
999 MARLIN AVE
FOSTER CITY, CA 94404

120-40
CHABILL LLC
C/O SARAH GRUNSTEIN
295 CENTRAL PARK WEST #16B
NEW YORK, NY 10024

120-40
LAI, YI-SAN
37 WILLOW ST
WELLESLEY, MA 02481

120-40
SCOTTI, NANCY F.,
TRUSTEE THE SCOTTI REV TRUST
950 MASSACHUSETTS AVE., #518
CAMBRIDGE, MA 02139

120-40
MOORE, DOMINIC
200 WEST 72ND ST., APT #18F
NEW YORK, NY 10023

120-40
PATRICK, JOHN & SHARON BRITTON
950 MASS AVE #415
CAMBRIDGE, MA 02139

120-40
AL-SHARIKH, ADBULAZEEZ A.
C/O CENTURY21 CITYSIDE
575 BOYLSTON ST
BOSTON, MA 02116

120-40
CHIANG, YOU-CHIEN, SHU-YUAN CHIANG,
SU LO-RONG CHIANG & LO-KU CHIANG
950 MASSACHUSETTS AVE. #501
CAMBRIDGE, MA 02139

120-40
AL-SHARIKH, ABOULAZEEZ ABULLATEEF
C/O CENTURY 21 CITYSIDE
575 BOYLSTON ST
BOSTON, MA 02116

120-40
YANG, WEI & LIN AN-CHEN YANG
C/O JESSIE YANG
40 WOODSIDE RD
SUDBURY, MA 01776

120-40
DAGOSTINO, RALPH B. &
LE LANIE C. D'AGOSTINO, TRS. NOMINEE TRUST
950 MASS. AVE., #510
CAMBRIDGE, MA 02139

120-40
HRYSHKO, WALTER JOSEPH &
VIRGINIA HRYSHKO
71 CHARLES ST EAST - APT #1501
TORONTO ONTARIO, _ M4Y2T

120-40
CHOUDHRY, JABEEN & JAVED AHMED
950 MASS AVE. UNIT#516
CAMBRIDGE, MA 02139

120-40
SKJAERVO, OKTOR
950 MASSACHUSETTS AVE., #519
CAMBRIDGE, MA 02139

120-40
WELCH, WILLIAM ROBERT & LAUREL WELCH
950 MASS AVE., UNIT #520
CAMBRIDGE, MA 02139

120-40
MOTAKEF, SHAHRYAR
950 MASS AVE #601
CAMBRIDGE, MA 02139

120-40
PATRICK, JOHN D., TRUSTEE THE JOHN D.
PATRICK 2006 REV TR
950 MASSACHUSETTS AVE 602
CAMBRIDGE, MA 02139

120-40
CHOUERI, EUGENIE, EID CHOUERI &
ANTHONY E. CHOUERI
950 MASSACHUSETTS AVE - UNIT 603
CAMBRIDGE, MA 02139

120-40
CHANDRA, SANGITA LEE, MYONG SUK
CHANDRA & VIPAN CHANDRA
950 MASS AVE. UNIT#604
CAMBRIDGE, MA 02139

120-40
WHITE, JR., MARC A.
10 BALLAST LANE
MARBLEHEAD, MA 01945

120-40
GASPARIAN, LEVON &
POLINA GASPARIAN, TRUSTEES
84 WELLESLEY RD
BELMONT, MA 02478

120-40
MOORE, DOMINIC
200 WEST 72ND ST. APT #18F
NEW YORK, NY 10023

120-40
DOLAN, ROBERT J. & KATHLEEN SPLAINE DOLAN
950 MASSACHUSETTS AVE., #608
CAMBRIDGE, MA 02139

120-40
MAHAJAN, SANJOY & JULIET JACOBSEN
950 MASSACHUSETTS AVE., #613
CAMBRIDGE, MA 02139

120-40
ELKIES, NOAM D.
950 MASS AVE #614
CAMBRIDGE, MA 02139

120-40
STRIEDTER, JURIJ & EMANUELA STRIEDTER
TRS. THE 950 MASS AVE REALTY TRUST
POA KORNEILA CEVASCO
5008 BERRYHILL CT
TAMPA, FL 33624

120-40
DESHPANDE, PAWAN & SMITA DESHPANDE
950 MASSACHUSETTS AVE., #616
CAMBRIDGE, MA 02139

120-40
HERATY, JOHN E.
10 POST OFFICE SQ. 13TH FL
BOSTON, MA 02109

120-40
DESHPANDE, PAWAN & SMITA DESHPANDE
950 MASSACHUSETTS AVE., #PH1
CAMBRIDGE, MA 02139

120-40
ZEMON, STANLEY A. & MICHAEL ANN ZEMON
950 MASSACHUSETTS AVE., #PH2
CAMBRIDGE, MA 02139

120-40
GIRALDO, CLAUDIA & JAMES M. GASPARELLO
950 MASSACHUSETTS AVE., #PH3
CAMBRIDGE, MA 02139

120-40
MCQUAID, KEVIN & LINDA E. MCQUAID,
TR. OF THE THIRD MIDDLESEX REAL ESTATE
950 MASS AVE, UNIT PH4
CAMBRIDGE, MA 02139

120-40
SWANN, ANITA & DAVID SWANN
C/O DREW M. SCHNELLER, CFA
WELSH & FORBES LLC
45 SCHOOL ST
BOSTON, MA 02108

116-99
KASPARYAN, N. GEORGE & ELIZABETH CALMAR
24 LOVERS LANE
SOUTHBOROUGH, MA 01772

120-45
NINE THIRTY-EIGHT REALTY CORP
C/O ANISIMOV
940 MASS AVE
CAMBRIDGE, MA 02139

121-113
1000 MASSACHUSETTS AVE MA LLC
1270 SOLDIERS FIELD ROAD
BOSTON, MA 02135

116-75
WEI, XIAOHUI & STEPHEN N. RHOADES
22 CENTRE ST., UNIT #1
CAMBRIDGE, MA 02139

116-75
KESSLER, DAVID & MARIANNE WISER
22 CENTRE ST., #9
CAMBRIDGE, MA 02139

116-75
CAULFIELD, MARGARET A.
22 CENTRE ST., #8
CAMBRIDGE, MA 02139

116-75
MOSSEL, ELCHANAN
22 CENTRE ST., #7
CAMBRIDGE, MA 02138

116-75
GRUNBERG, DANIEL B. &
ELAINE W. GRUNBERG
11 LOCUST AVE
LEXINGTON, MA 02421

116-75
KIM, IN SONG & YOON JUNG HUR
C/O ERRAMUZPE, MATHIEU
22 CENTRE ST., #5
CAMBRIDGE, MA 02139

116-75
PALACIOS, TOMAS & NATALIA MOROZOVA
15 AMHERST RD
BELMONT, MA 02478

116-75
DANG, KHANH P. & NGHIA H. DANG
27890 MT. HOOD WAY
YORBA LINDA, CA 92887

116-75
SULLIVAN, ANGELA M.
22 CENTRE ST., UNIT #2
CAMBRIDGE, MA 02138

116-76
GUPTA, PAVI
18 CENTRE ST., #G/2
CAMBRIDGE, MA 02139

116-76
WENDER, PETER
10 DANA ST. UNIT#10
CAMBRIDGE, MA 02139

116-76
MEYER, MARILEE B.
10 DANA ST #404
CAMBRIDGE, MA 02138

116-76
BENDOR, GIORA A. & MIRRELL M. BENDOR
TRS THE BENDOR FAMILY TRUST
18 CENTRE ST., UNIT #304
CAMBRIDGE, MA 02139

116-76
MARCOVITZ, DAVID E. & SABRINA J. POON
18 CENTRE ST. # 301
CAMBRIDGE, MA 02139

116-76
BLUESTONE, HUGH L.
18 CENTRE STREET, UNIT #204
CAMBRIDGE, MA 02139

116-76
SURESH, MEERA S.
TR. OF MEERA S. SURESH ESTATE TRUST
18 CENTRE ST. UNIT#201
CAMBRIDGE, MA 02139

116-76
VOROBIEVA-SEGAL, KATERINA &
MARIA CHKHEIDZE-BRETT
16 FARM PLACE
LONDON, -- W8 7S

116-76
FOOK SING ANGELS, LLC
205 MOUNT AUBURN ST #3C
CAMBRIDGE, MA 02139

116-76
KANJILAL, SANJAT
18 CENTRE ST., #G/1
CAMBRIDGE, MA 02139

116-76
MCCARTHY, MICHAEL COURT
18 CENTRE ST. UNIT#406
CAMBRIDGE, MA 02139

116-76
SPOONER, JERROD D.
18 CENTRE ST., #403
CAMBRIDGE, MA 02139

116-76
JAHANMIR, FARID
18 CENTRE ST. UNIT#306
CAMBRIDGE, MA 02139

116-76
COLLI, DANIEL
504 EAST BROADWAY
SOUTH BOSTON, MA 02127

116-76
LAI, NAN-MING
18 CENTRE STREET, UNIT #206
CAMBRIDGE, MA 02139

116-76
BIBO, ERIN WARD & DAVID R, BIBO., JR
203 13TH ST NE
WASHINGTON, DC 20002

116-76
KIRSCH, GEOFFREY R.
18 CENTRE ST., UNIT #106
CAMBRIDGE, MA 02139

116-76
ANTZOULIS, PEGGY J.
18 CENTRE ST., UNIT #103
CAMBRIDGE, MA 02139

116-76
CHEN, WINNIE HSIN-WEN & ALLAN J. HSIAO
18 CENTRE ST., #G/5
CAMBRIDGE, MA 02139

116-76
LEAVITT, JASON & ELIZABETH LEAVITT
1248 CAL YOUNG ROAD
EUGENE, OR 97401

116-76
KOKSAL, ERIN S.
18 CENTRE STREET, UNIT #405
CAMBRIDGE, MA 02139

116-76
VITIELLO, PHILIP A. & JANET D. VITIELLO
TRUSTEE OF THE VITIELLO REALTY TR.
C/O GO MANAGEMENT CO.
2534 MASS AVE., SUITE#1
CAMBRIDGE, MA 02140

116-76
KHALVATI, LILA & JEFFREY K. BRUSSEL
18 CENTRE ST., #305
CAMBRIDGE, MA 02139

116-76
KENNEDY, ROBERT COLIN & JENNIFER KENNEDY
C/O GOODCHILD, BRUCE
18 CENTRE STREET, UNIT #302
CAMBRIDGE, MA 02139

116-76
PATEJ, ANNA & BARBARA PATEJ &
EDWARD PATEJ
18 CENTRE ST., #205
CAMBRIDGE, MA 02139

116-76
BRAMHAVAR, DEEPAK &
PURNIMA D. BRAMHAVAR
18 CENTRE ST., UNIT #202
CAMBRIDGE, MA 02138

116-76
FU, YUE & FENG HAN
17 NORTHLAND RD
WINDHAM, NH 03087

116-76
DEFAY, THOMAS & MARISA DEFAY
18 CENTRE ST., #102
CAMBRIDGE, MA 02139

116-76
LUBIN, VICTORIA
18 CENTRE ST., #G/4
CAMBRIDGE, MA 02139

December 11, 2018

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: 955 Massachusetts Ave, Cambridge, MA 02139
Assessor's Map 116, Lot 117 (the "Property")
Applicant: T-Mobile Northeast LLC (the "Applicant")

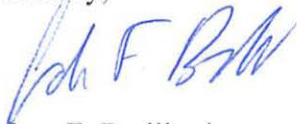
Dear Honorable Members of the Board of Zoning Appeals:

This firm represents the Applicant in connection with an application for a special permit from the City of Cambridge Board of Zoning Appeals, to modify an existing wireless communications facility on the Property.

Enclosed, in connection with this application, please find three (3) application packages along with an application filing fee in the amount of \$500.00 made payable to the City of Cambridge.

Please contact me with any questions or if you need additional information. Thank you for your attention to this matter.

Sincerely,



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