General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: 222 Riverside Industrial Pkwy		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# 330 Block# H Lot# 1	Applicant *must be owner, Lessee or Buyer* Name Verizon Chuck Wesberly Address 400 Friberg Pkwy City, State & Zip Westborough, MA 01581	Telephone: (617) 780 5647
Lessee/DBA (If Applicable) Verizon Wireless 400 Friberg Pkwy Westborough MA 01581	Owner (if different from Applicant) Name Maine Cellular Co Address 150 Riverside St City, State & Zip Portland, ME 04103	Cost Of Work: $ 25,000 C of O Fee: $ Total Fee: $ 270.00

Current legal use (i.e. single family) Cell Tower

If vacant, what was the previous use?

Proposed Specific use: Cell Tower

Is property part of a subdivision? _____ If yes, please name _____

Project description:

Swap 9 of 12 existing antennas with new ones. Add 3 RRH's and 1 surge distribution box. Add (1) 1 5/8 coax to existing bundle. No change to ground space. Work needed to improve performance.

Contractor's name: John McGilicuddy

Address: 49 Brattle St.

City, State & Zip Arlington, MA 02474 (617) 388 6324 Telephone:

Who should we contact when the permit is ready: Kristin Champagne 781-454-9134 Telephone:

Mailing address: 49 Brattle St. Arlington, MA 02474

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: _____ Date: 9-9-13

This is not a permit; you may not commence ANY work until the permit is issue

Certificate of Design Application

From Designer: Jaime Reyes, P.E.

Date: 2/25/13

Job Name: Verizon Wireless antenna collocation on an existing 300-ft guyed tower

Address of Construction: 225 Riverside Industrial Parkway, Portland, ME 04103

2009 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year 2009 IBC Use Group Classification (s) Group U

Type of Construction Type II B

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC N/A

Is the Structure mixed use? No If yes, separated or non separated or non separated (section 302.3) _____

Supervisory alarm System? No Geotechnical/Soils report required? (See Section 1802.2) No

Structural Design Calculations

Yes — Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
N/A (Structure is not a building)	N/A (Structure is not a building)

Wind loads (1603.1.4, 1609)

1609.1.1 Exception 5 — Design option utilized (1609.1.1, 1609.6)

100 mph — Basic wind speed (1809.3)

Importance Factor = 1.0 — Building category and wind importance Factor, I_w table 1604.5, 1609.5)

B — Wind exposure category (1609.4)

N/A — Internal pressure coefficient (ASCE 7)

N/A — Component and cladding pressures (1609.1.1, 1609.6.2.2)

15.2 psf- 28.6 psf — Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

N/A — Design option utilized (1614.1)

N/A — Seismic use group ("Category")

N/A — Spectral response coefficients, SDs & SD1 (1615.1)

N/A — Site class (1615.1.5)

N/A — Live load reduction

N/A — Roof *live* loads (1603.1.2, 1607.11)

N/A — Roof snow loads (1603.7.3, 1608)

N/A — Ground snow load, P_g (1608.2)

N/A — If P_g > 10 psf, flat-roof snow load P_f

N/A — If P_g > 10 psf, snow exposure factor, C_e

N/A — If P_g > 10 psf, snow load importance factor, I_s

N/A — Roof thermal factor, C_t (1608.4)

N/A — Sloped roof snowload, P_s (1608.4)

Seismic design — Seismic design category (1616.3)

not required — Basic seismic force resisting system (1617.6.2)

per TIA-222-G — Response modification coefficient, R_I and deflection amplification factor C_d (1617.6.2)

Standard when — Analysis procedure (1616.6, 1617.5)

Ss = 0.32< 1.0 — Design base shear (1617.4, 16175.5.1)

Flood loads (1803.1.6, 1612)

N/A — Flood Hazard area (1612.3)

345 ft. — Elevation of structure

Other loads

N/A — Concentrated loads (1607.4)

N/A — Partition loads (1607.5)

1" ice w/ 40 mph wind — Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404

Accessibility Building Code Certificate

Designer: _____

Address of Project: _____

Nature of Project: _____

_____

_____

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.

Signature: N/A

Title: _____

(SEAL)

Firm: _____

Address: _____

_____

Phone: _____

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov

Certificate of Design

Date: 2/25/13

From: Jaime Reyes, P.E.

These plans and / or specifications covering construction work on:

Tower analysis for Verizon Wireless antenna collocation for a 300-ft guyed tower

(ATC #10047) at 225 Riverside Industrial Parkway, Portland, ME 04103

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the **2009 International Building Code** and local amendments.

STATE OF MAINE
JAIME
REYES
No. 7303
LICENSED
PROFESSIONAL ENGINEER
(SEAL)
2/25/13

Signature:

Title: Director of Engineering

Firm: ATC Engineering Services

Address: 8505 Freeport Parkway #135
Irving, TX 75063

Phone: 972-999-8918

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov