



Certificate of Design Application

From Designer: SKYBORNE TECHNOLOGIES, P.O. BOX 875, WESTFORD, MA 01886
 Date: MAY 2, 2014
 Job Name: V2W "FALMOUTH, ME"
 Address of Construction: S27 PRESUMSCOT RD, PORTLAND, ME 04103

2009 International Building Code

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

Building Code & Year 2009 Use Group Classification (s) _____
 Type of Construction ANTENNA REPLACEMENTS
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IBC N/A
 Is the Structure mixed use? NO If yes, separated or non separated or non separated (section 302.3) _____
 Supervisory alarm System? YES Geotechnical/Soils report required? (See Section 1802.2) NO

Structural Design Calculations

N/A Submitted for all structural members (106.1 - 106.11)

Design Loads on Construction Documents (1603)

Floor Area Use	Loads Shown
<u>N/A</u>	<u>N/A</u>

Wind loads (1603.1.4, 1609) * ANTENNA REPLACE IN KIND. *

N/A Design option utilized (1609.1.1, 1609.6)
 _____ Basic wind speed (1809.3)
 _____ Building category and wind importance Factor, I_w (table 1604.5, 1609.5)
 _____ Wind exposure category (1609.4)
 _____ Internal pressure coefficient (ASCE 7)
 _____ Component and cladding pressures (1609.1.1, 1609.6.2.2)
 _____ 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)
 _____ Seismic use group ("Category")
 _____ Spectral response coefficients, S_D s & S_{D1} (1615.1)
 _____ Site class (1615.1.5)

NO Live load reduction
N/A Roof live loads (1603.1.2, 1607.11)
 _____ Roof snow loads (1603.7.3, 1608)
 _____ Ground snow load, P_g (1608.2)
 _____ If $P_g > 10$ psf, flat-roof snow load P_f
 _____ If $P_g > 10$ psf, snow exposure factor, C_e
 _____ If $P_g > 10$ psf, snow load importance factor, I_s
 _____ Roof thermal factor, C_t (1608.4)
 _____ Sloped roof snowload, P_s (1608.4)
 _____ Seismic design category (1616.3)
 _____ Basic seismic force resisting system (1617.6.2)
 _____ Response modification coefficient, R , and
 _____ deflection amplification factor C_d (1617.6.2)
 _____ Analysis procedure (1616.6, 1617.5)
N/A Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

N/A Flood Hazard area (1612.3)
 _____ Elevation of structure

Other loads

NONE Concentrated loads (1607.4)
 _____ Partition loads (1607.5)
 _____ Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)



Accessibility Building Code Certificate

Designer: SKYBORNE TECHNOLOGIES, P.O. BOX 875, WESTFORD, MA 01886

Address of Project: 527 PRESUMSCOT RD., PORTLAND, ME 04103

Nature of Project: ANTENNA REPLACEMENT W/ LIKE ANTENNAS
W/ NEGLIGIBLE CHANGE IN LOADING ON
EXISTING STRUCTURE.

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: *Paul J. Mucci*

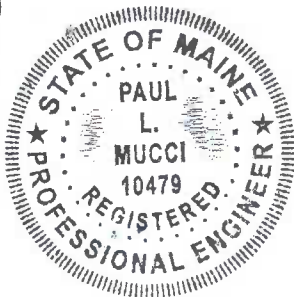
Title: ENGINEER OF RECORD

Firm: SKYBORNE TECHNOLOGIES, INC.

Address: P.O. Box 875
WESTFORD, MA 01886

Phone: (603) 617.877.8450

(SEAL)



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Certificate of Design

Date: MAY 2, 2014

From: PAUL L. MUCCI, P.E.

These plans and / or specifications covering construction work on:

EXISTING TELE COMMUNICATIONS TOWER, ANTENNA
REPLACEMENT W/ SIMILAR ANTENNAS, NEGUGIBLE CHANGE IN
EXISTING LOADING.

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

Signature: 

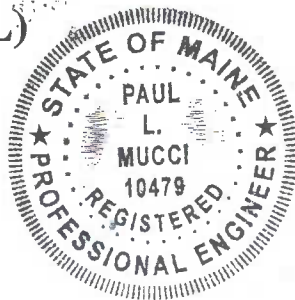
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