



Certificate of Design Application

RYAN SENATORE ARCHITECTURE

From Designer:

Date:

Job Name:

Address of Construction:

03/24/16

T-MOBILE TENANT FIT-UP

195 KENNEBEC STREET, BUILDING B, SUITE 3

2009 International Building Code

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

Building Code & Year 2009 Use Group Classification (s) M - MERCANTILE

Type of Construction 2B

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IBC YES

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) N/A

Structural Design Calculations

_____ 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
<u>N/A</u>	
_____	_____
_____	_____
_____	_____

Wind loads (1603.1.4, 1609)

- _____ 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)

- _____ Design option utilized (1614.1)
- _____ Seismic use group ("Category")
- _____ Spectral response coefficients, S_D & S_1 (1615.1)
- _____ Site class (1615.1.5)

N/A

Live load reduction

_____ 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 I_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_d and deflection amplification factor C_d (1617.6.2)

_____ Analysis procedure (1616.6, 1617.5)

_____ Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

_____ Flood Hazard area (1612.3)

_____ Elevation of structure

Other loads

_____ 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)