



Certificate of Design Application

From Designer: Scott Simons Architects [Floor Plan only]
 Date: April 12, 2013
 Job Name: Riverside South Golf Course Pavillion
 Address of Construction: 1158 Riverside Street, Portland, Maine

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification (s) Business Group B
 Type of Construction Wood frame, Pre-manufactured wood trusses
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC No
 Is the Structure mixed use? NO If yes, separated or non separated or non separated (section 302.3) NA
 Supervisory alarm System? NO Geotechnical/Soils report required? (See Section 1802.2) No soils report performed

Structural Design Calculations

By others 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>NA</u>	

Wind loads (1603.1.4, 1609)

100 MPH Design option utilized (1609.1.1, 1609.6)
100 MPH Basic wind speed (1809.3)
2 Building category and wind importance Factor, I_w (table 1604.5, 1609.5)
B Wind exposure category (1609.4)
+/- 1.8 Internal pressure coefficient (ASCE 7)
Per ASCE 7 Component and cladding pressures (1609.1.1, 1609.6.2.2)
Per ASCE 7 Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

NA Design option utilized (1614.1)
NA Seismic use group ("Category")
NA Spectral response coefficients, S_D & S_{D1} (1615.1)
NA Site class (1615.1.5)

NA Live load reduction
NA Roof live loads (1603.1.2, 1607.11)
46 PSF Roof snow loads (1603.7.3, 1608)
60 PSF Ground snow load, P_g (1608.2)
NA If $P_g > 10$ psf, flat-roof snow load P_f
1.0 If $P_g > 10$ psf, snow exposure factor, C_e
1.0 If $P_g > 10$ psf, snow load importance factor, I_t
1.1 Roof thermal factor, C_t (1608.4)
46 Sloped roof snowload, P_s (1608.4)
NA Seismic design category (1616.3)
NA Basic seismic force resisting system (1617.6.2)
NA Response modification coefficient, R_d and deflection amplification factor, C_d (1617.6.2)
NA Analysis procedure (1616.6, 1617.5)
NA Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

 Flood Hazard area (1612.3)
 Elevation of structure

Other loads

NA 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)

Note: Design limited to foundation, floor plan and typical wall section. Structural engineering by truss manufacturer, MEP engineering by others, Interior fit out and case work by others.