



Reviewed for Code Compliance  
Inspections Division  
Approved with Conditions  
Date: 02/05/15

# Certificate of Design Application

From Designer: Matthew Winch, Architect - dba Garrison Consulting  
 Date: January 5, 2015  
 Job Name: Back in Motion Physical Therapy  
 Address of Construction: 1041 Brighton Ave

## 2009 International Building Code

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

Building Code & Year 2009 Use Group Classification (s) 35,000  
 Type of Construction Type III  
 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? yes If yes, separated or non separated or non separated (section 302.3) seperated  
 Supervisory alarm System? no 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

- \_\_\_\_\_ 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  $P_f$
- \_\_\_\_\_ 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,  $R_f$  and deflection amplification factor  $C_d$  (1617.6.2)
- \_\_\_\_\_ Analysis procedure (1616.6, 1617.5)
- \_\_\_\_\_ Design base shear (1617.4, 1617.5.1)

### 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)

### Flood loads (1803.1.6, 1612)

- \_\_\_\_\_ Flood Hazard area (1612.3)
- \_\_\_\_\_ Elevation of structure

### Earth design data (1603.1.5, 1614-1623)

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

### 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)