

FROM DESIGNER: Archetype, P.A.  
 DATE: 2/4/05  
 Job Name: 1103 Forest Ave  
 Address of Construction: 1103 Forest Ave.

**2003 International Building Code**

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

Building Code and Year ICC 2003 Use Group Classification(s) R-4

Type of Construction 5B

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC Y

Is the Structure mixed use? N if yes, separated or non separated (see Section 302.3) \_\_\_\_\_

Supervisory alarm system? Y Geotechnical/Soils report required?( See Section 1802.2) N/A

STRUCTURAL DESIGN CALCULATIONS		<u>N/A</u>	Live load reduction (1603.1.1, 1607.9, 1607.10)
_____	Submitted for all structural members (106.1, 106.1.1)	<u>N/A</u>	Roof live loads (1603.1.2, 1607.11)
DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)		Roof snow loads (1603.1.3, 1608)	
Uniformly distributed floor live loads (1603.1.1, 1607)		<u>60 psf</u>	Ground snow load, $P_g$ (1608.2)
Floor Area Use	Loads Shown	<u>42 psf</u>	If $P_g > 10$ psf, flat-roof snow load, $P_f$ (1608.3)
<u>Dwelling</u>	<u>42 psf</u>	<u>1.0</u>	If $P_g > 10$ psf, snow exposure factor, $C_e$ (Table 1608.3.1)
_____	_____	<u>1.0</u>	If $P_g > 10$ psf, snow load importance factor, $I_s$ (Table 1604.5)
_____	_____	<u>1.0</u>	Roof thermal factor, $C_t$ (Table 1608.3.2)
_____	_____	<u>1.0</u>	Sloped roof snowload, $P_s$ (1608.4)
Wind loads (1603.1.4, 1609)		<u>N/A</u>	Seismic design category (1616.3)
<u>N/A</u>	Design option utilized (1609.1.1, 1609.6)	<u>N/A</u>	Basic seismic-force-resisting system (Table 1617.6.2)
<u>N/A</u>	Basic wind speed (1609.3)	<u>N/A</u>	Response modification coefficient, $R$ , and deflection amplification factor, $C_d$ (Table 1617.6.2)
<u>N/A</u>	Building category and wind importance factor, $I_w$ (Table 1604.5, 1609.5)	<u>N/A</u>	Analysis procedure (1616.6, 1617.5)
<u>N/A</u>	Wind exposure category (1609.4)	<u>N/A</u>	Design base shear (1617.4, 1617.5.1)
<u>N/A</u>	Internal pressure coefficient (ASCE 7)	Flood loads (1603.1.6, 1612)	
<u>N/A</u>	Component and cladding pressures (1609.1.1, 1609.6.2.2)	<u>N/A</u>	Flood hazard area (1612.3)
<u>N/A</u>	Main force wind pressures (1609.1.1, 1609.6.2.1)	<u>N/A</u>	Elevation of structure
Earthquake design data (1603.1.5, 1614 - 1623)		Other loads	
<u>N/A</u>	Design option utilized (1614.1)	<u>N/A</u>	Concentrated loads (1607.4)
<u>N/A</u>	Seismic use group ("Category") (Table 1604.5, 1616.2)	<u>N/A</u>	Partition loads (1607.5)
<u>N/A</u>	Spectral response coefficients, $S_{DS}$ & $S_{D1}$ (1615.1)	<u>N/A</u>	Impact loads (1607.8)
<u>N/A</u>	Site class (1615.1.5)	<u>N/A</u>	Misc. loads (Table 1607.6, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)

NOTE: Lateral System Unchanged