

Certificate of Design Application

From Designer:	Joe Hemes			
Date:	January 28, 2016			
Job Name:	Youngs Furniture Warehouse			
Address of Construction:	1 Diamond Street			
radiess of constitution.	1 Diamona Officet			
Cons	2009 International struction project was designed to	_	teria listed below:	
Building Code & Year2009 IB	C & NFPA Use Group Classificati	on (s)Storage S-1, Mer	cantile	
Type of Construction Type	IIIB			
, i	suppression system in Accordance w	vith Section 903 3 1 of	the 2009 Wes . Existing	
Is the Structure mixed use?Yes	If yes, separated or non se		•	
			•	
Supervisory alarm System <u>Yes</u>	Geotechnical/Soils report	required? (See Section	1 1802. <u>W</u>);A	
Structural Design Calculation	ns		Live load reduction	
G	l structural member(106.1 – 106.11)		Roof <i>live</i> loads (1603.1.2, 1607.11)	
	,		Roof snow loads(1603.7.3, 1608)	
Design Loads on Constructio Uniformly distributed floor live lo			Ground snow load, Pg(1608.2)	
Floor Area Use Loads Shown			If $Pg > 10$ psf, flat-roof snow load _{Pf}	
			If $Pg > 10$ psf, snow exposure factor C_e	
			_If Pg> 10 psf, snow load importance factor	
			Roof thermal factor, $_G$ (1608.4)	
			Sloped roof snowloadp (1608.4)	
Wind loads (1603.1.4, 1609)			Seismic design category(1616.3)	
Design option util	lized(1609.1.1, 1609.6)	-	Basic seismic force resisting system 617.6.2)	
Basic wind speed(1809.3)			Response modification coefficients, and	
Building category and wind importance Factor, table 1604.5, 1609.5)			deflection amplification factor d (1617.6.2)	
Wind exposure ca			Analysis procedure(1616.6, 1617.5)	
Internal pressure coefficient (ASCE 7)			Design base shear(1617.4, 16175.5.1)	
Component and cladding pressures (1609.1.1, 1609.6.2.2) Main force wind pressures (7603.1.1, 1609.6.2.1)		Flood loads (1	Flood loads (1803.1.6, 1612)	
			Flood Hazard area(1612.3)	
Earth design data (1603.1.5, 1614-1623)			Elevation of structure	
Design option utilized(1614.1)		Other loads		
Seismic use group ("Category") Spectral response coefficients, 18s & \$D1(1615.1)			Concentrated loads(1607.4)	
Spectral response Site class(1615.1.5			Partition loads(1607.5)	
Site Class(1013.1.3)	,		Misc. loads(Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404	