

_____ Site class (1615.1.5)

Certificate of Design Application

RTLAND	Certificate of Design Application			
From Designer:	ASSOCIATED DESIGN PARTNERS	, INC		
Date:	10-27-14			
Job Name:	Alpine Realty			
Address of Construction: 380 WARREN AVE, PORTLAND MAI		INE		
Cons Building Code & Year	2009 International truction project was designed to the	ne building code criter	ia listed below:	
Will the Structure have a Fire su	ppression system in Accordance with	Section 903.3.1 of the	2009 IBC N	
	If yes, separated or non se			
	Geotechnical/Soils report			
		NO		
Structural Design Calculations		NO 20	Live load reduction	
Submitted for a	ll structural members (106.1 – 106.11)	50.4psf + drift	Roof live loads (1603.1.2, 1607.11)	
Design Loads on Constructio	n Documents (1603)		Roof snow loads (1603.7.3, 1608)	
Uniformly distributed floor live loads (7603.11, 1807)		60 psf	Ground snow load, Pg (1608.2)	
Floor Area Use Loads Shown Light Warehouse 125 PSF			If $Pg > 10$ psf, flat-roof snow load pf	
			If $Pg > 10$ psf, snow exposure factor, G	
		1.0	If $P_g > 10$ psf, snow load importance factor, I_f	
		1.2	Roof thermal factor, $_{G}$ (1608.4)	
		50.4 psf	Sloped roof snowload, $p_{\!s}$ (1608.4)	
Wind loads (1603.1.4, 1609)		С	Seismic design category (1616.3)	
ANALYTICAL Design option utilized (1609.1.1, 1609.6)		OSMF	Basic seismic force resisting system (1617.6.2)	
Basic wind speed (1809.3)		(3)	$_$ Response modification coefficient, $_{\mathcal{R}'}$ and	
Building category and wind importance Factor, but table 1604.5, 1609.5)			deflection amplification factor _{Cl} (1617.6.2)	
Wind exposure category (1609.4)		ASCE 12.8.1	Analysis procedure (1616.6, 1617.5)	
+/- 0.55 Internal pressure coefficient (ASCE 7)		2.82k	Design base shear (1617.4, 16175.5.1)	
PER ASCE BASED ON FWent and cladding pressures (1609.1.1, 1609.6.2.2)		Flood loads (1	Flood loads (1803.1.6, 1612)	
Main force wind pressures (7603.1.1, 1609.6.2.1) Earth design data (1603.1.5, 1614-1623)		NA `	Flood Hazard area (1612.3)	
ACOE 40.0.4		NA	Elevation of structure	
ASCE 12.8.1 Design option utilized (1614.1)		Other loads		
0501400	coefficients, SDs & SD1 (1615.1)	NA	Concentrated loads (1607.4)	

NA

NA

_ Partition loads (1607.5)

Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404