

Certificate of Design Application

ORTLAND!			8 11	
From Designer: Date:		Core States Group 1-21-2016		
Address of Construction:		1917 Forrest Ave		
	Con	2009 Internations struction project was designed to		
Building Code	e & Year IBC, 20	Use Group Classificati	ion (s) M	
	truction II-B	-		
		ppression system in Accordance with		2009 IR.C. N/A
				ted (section 302.3)
Supervisory ala	rm System?	Geotechnical/Soils report	t required? (See Section	1802.2)
Stanotural Do	oion Calculation			Live load reduction
Structural Design Calculations Submitted for all structural members (106.1 – 106.11)			20 PSF	Roof live loads (1603.1.2, 1607.11)
			60 PSF	Roof snow loads (1603.7.3, 1608)
Design Loads	on Construction	on Documents (1603)		
Uniformly distributed floor live loads (7603.11, 1807) Floor Area Use Loads Shown			<u> </u>	Ground snow load, Pg (1608.2)
				If $Pg > 10$ psf, flat-roof snow load pf
				If $Pg > 10$ psf, snow exposure factor, G
				If $Pg > 10$ psf, snow load importance factor, f_s
				Roof thermal factor, $_{C}$ (1608.4)
			<u> </u>	Sloped roof snowload, p _t (1608.4)
Wind loads (1603.1.4, 1609)			С	Seismic design category (1616.3)
Design option utilized (1609.1.1, 1609.6)			CANTILEVERED COLUMN	
3 SEC GUST	Basic wind speed	(1809.3)		Response modification coefficient, R1 and
B-II		and wind importance Factor, hy		deflection amplification factor (1617.6.2)
В	Wind exposure ca	table 1604.5, 1609.5)" tegory (1609.4)		Analysis procedure (1616.6, 1617.5)
	Internal pressure co	- 1 1 1 1 1	3.37k	Design base shear (1617.4, 16175.5.1)
	Component and cla	dding pressures (1609.1.1, 1609.6.2.2)	Flood loads	s (1803.1.6, 1612)
	Main force wind pre	essures (7603.1.1, 1609.6.2.1)	1 lood loads	
Earth design	data (1603.1.5, 1	614-1623)		Flood Hazard area (1612.3)
· <u>· · · · · · · · · · · · · · · · · · </u>	Design option util	lized (1614.1)		Elevation of structure
Seismic use group ("Category")			Other loads	
		coefficients, SDs & SD1 (1615.1)	-	Concentrated loads (1607.4)

_Site class (1615.1.5)

_Partition loads (1607.5)

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