

	Certificate of Design Application		
From Designer:	Scott Simons Architects		
Date:	July 25, 2013		
Job Name:	Casco Bay Ferry Terminal Renovations and Addition		
Address of Construction:	56 Commercial Street, Portland, ME 04101		
0	2009 International B	_	
Co	nstruction project was designed to the l	oulding code cri	teria listed below:
Building Code & Year 2003 IBC Use Group Classification (s) Assembly/Business			
Type of Construction Un	der one story height, sprinklered ty	/pe 11A	
Will the Structure have a Fire	suppression system in Accordance with Sec	tion 903.3.1 of the	e 2009 IRC will comply with NFPA 13
Is the Structure mixed use? Yes If yes, separated or non separated (section 302.3)			
Supervisory alarm System? Yo	Geotechnical/Soils report requ	aired? (See Section	1802,2) Yes
Structural Design Calculation	ons		Live load reduction
YesSubmitted for all structural members (106.1 – 106.11)			Roof <i>live</i> loads (1603.1.2, 1607.11)
Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807)			Roof snow loads (1603.7.3, 1608)
		60 psf	Ground snow load, Pg (1608.2)
Floor Area Use	Loads Shown	46 psf +dr	ift_If $P_g > 10$ psf, flat-roof snow load P_f
Fixed Seating 60) psf	1.0	If $Pg > 10$ psf, snow exposure factor, G
	00 psf	1.0	If $P_g > 10$ psf, snow load importance factor, I_k
	00 psf	1.1	Roof thermal factor, _G (1608.4)
) psf		Sloped roof snowload, P ₅ (1608.4)
Wind loads (1603.1.4, 1609)		•	Seismic design category (1616.3)
Design option utilized (1609.1.1, 1609.6)			Basic seismic force resisting system (1617.6.2)
100 mph Basic wind speed (1809.3)			Response modification coefficient, Rt and
Building category and wind importance Factor, by			deflection amplification factor _{Cl} (1617.6.2)
C Wind exposure category (1609.4)			Analysis procedure (1616.6, 1617.5)
+/- 0.18Internal pressure coefficient (ASCE 7)			Design base shear (1617.4, 16175.5.1)
ASCE 7-05 Component and cladding pressures (1609.1.1, 1609.6.2.2)		Flood loads (1803.1.6, 1612)	
Main force wind pressures (7603.1.1, 1609.6.2.1)			Flood Hazard area (1612.3)
Earth design data (1603.1.5, 1614-1623)			Elevation of structure
Equivalent Design option utilized (1614.1)		Other loads	

_Seismic use group ("Category")

.313 & .077 Spectral response coefficients, SDs & SDI (1615.1)

_Site class (1615.1.5)

E

Other loads

Concentrated loads (1607.4)

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

Partition loads (1607.5)