	Certificate of De	sign Application
From Designer:	John Whipple	Whipple Callender Architects
Date:	8 W2016	
Job Name:	Portland Commo	inity Squash
Address of Construction:	66 Noyes St	, Portland, ME
	2009 International	8
Con	struction project was designed to the	ne building code criteria listed below:
Building Code & Year	Use Group Classification	1. 1
**	opression system in Accordance with S	
•		arated or non separated (section 302.3) NON Separate
	Geotechnical/Soils report re	•
Structural Design Calculation	s	Live load reduction
Submitted for all structural members (106.1 – 106.11)		Roof <i>live</i> loads (1603.1.2, 1607.11)
Design Loads on Construction	n Dogumenta (1/02)	Roof snow loads (1603.7.3, 1608)
Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807)		Ground snow load, Pg (1608.2)
Floor Area Use	Loads Shown	If Pg > 10 psf, flat-roof snow load <sub>Pf</sub>
		If $Pg > 10$ psf, snow exposure factor, $C_0$
		If $Pg > 10$ psf, snow load importance factor
		Roof thermal factor, $_G$ (1608.4)
		Sloped roof snowload, <i>Ps</i> (1608.4)

## Wind loads (1603.1.4, 1609)

\_Design option utilized (1609.1.1, 1609.6)

Basic wind speed (1809.3)

Building category and wind importance Factor, by table 1604.5, 1609.5)

\_Wind exposure category (1609.4)

\_Internal pressure coefficient (ASCE 7)

Component and cladding pressures (1609.1.1, 1609.6.2.2)

\_Main force wind pressures (7603.1.1, 1609.6.2.1)

## Earth design data (1603.1.5, 1614-1623)

\_Design option utilized (1614.1)

\_Seismic use group ("Category")

\_Spectral response coefficients, SDs & SD1 (1615.1)

\_Site class (1615.1.5)

Roof snow loads (1603.7.3, 1608)	
Ground snow load, Pg (1608.2)	
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 snowload, P3 (1608.4)	
Seismic design category (1616.3)	
Basic seismic force resisting system (1617.6.2)	
Response modification coefficient, $_{R_f}$ and	

## Flood loads (1803.1.6, 1612)

Flood Hazard area (1612.3) \_Elevation of structure

## Other loads

\_Concentrated loads (1607.4)

\_Partition loads (1607.5)

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

deflection amplification factor<sub>Cd</sub> (1617.6.2)

Analysis procedure (1616.6, 1617.5)

Design base shear (1617.4, 16175.5.1)