

## Certificate of Design Application

Shields Architecture, John Shields - Architect

Date:	2/3/16			· · · · · · · · · · · · · · · · · · ·	
Job Name: 3 PLEASANT AVENUE		220-2-10-10-10-10-10-10-10-10-10-10-10-10-10-			
Address of Construction	3 PLEASANT AVENUE,	3 PLEASANT AVENUE, PORTLAND, MAINE			
C	2009 Inte Construction project was des	rnational Bui	O	eria listed below:	
Building Code & Year20	Use Group C	Use Group Classification (s) RESIDENTIAL R2 - APT. BLDG.			
Type of Construction 5E					
, ,	suppression system in Accor	dance with Section	903.3.1 of the	2009 TR.C. YES - NFPA 13R	
Is the Structure mixed use?					
	· · · ·				
Supervisory alarm System? Y	Geotechnical/S	Soils report require	ar (see section .	1802.2)	
Structural Design Calculat	ions		n/a	Live load reduction	
Submitted for all structural members (106.1 – 106.11)		06.11\	n/a	Roof <i>live</i> loads (1603.1.2, 1607.11)	
		00.11)	n/a	Roof snow loads (1603.7.3, 1608)	
Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807)			60 PSF	Ground snow load, Pg (1608.2)	
Floor Area Use	Loads Shown		42 PSF	If $P_g > 10$ psf, flat-roof snow load $P_f$	
Residential Units 4	 10 PSF	<u> </u>	1.0	If $P_g > 10$ psf, snow exposure factor, $G$	
Stairs / Exits			1.0	If $P_g > 10$ psf, snow load importance factor, $T_0$	
			1.0	Roof thermal factor, $G(1608.4)$	
		<del>-</del>	42 PSF	Sloped roof snowload, p <sub>c</sub> (1608.4)	
Wind loads (1603.1.4, 1609)			n/a	- 10	
n/a Design option utilized (1609.1.1, 1609.6)			n/a	Seismic design category (1616.3)Basic seismic force resisting system (1617.6.2)	
n/a Basic wind spe			n/a	Response modification coefficient, Rt and	
n/a Building catego	ory and wind importance Factor, jp			deflection amplification factor (1617.6.2)	
n/a Wind exposure category (1609.4)			n/a	Analysis procedure (1616.6, 1617.5)	
n/a Internal pressure coefficient (ASCE 7)			n/a	Design base shear (1617.4, 16175.5.1)	
n/a Component and cladding pressures (1609.1.1, 1609.6.2.2)		1	Flood loads (	1803.1.6, 1612)	
n/a Main force wind pressures (7603.1.1, 1609.6.2.1)			n/a	Flood Hazard area (1612.3)	
Earth design data (1603.1.5, 1614-1623)			n/a	Elevation of structure	
n/aDesign option utilized (1614.1)			Other loads		
_	Seismic use group ("Category")		n/a	Concentrated loads (1607.4)	
	Spectral response coefficients, SDs & SD1 (1615.1)		n/a	Concentrated loads (1607.4)Partition loads (1607.5)	
n/a Site class (1615.	1.5)		n/a	Misc. loads (Table 1607.8, 1607.6.1, 1607.7,	

1607.12, 1607.13, 1610, 1611, 2404