

## Certificate of Design Application

From Designer:	Port City Architecture / Becker Structural Er	Port City Architecture / Becker Structural Engineers 5/1/15		
Date:	5/1/15			
Job Name:	University of New England - Alumni Hall Renovation			
Address of Construct	ion:			
	2009 International Construction project was designed to the	l Building Code ne building code crite	ria listed below:	
Building Code & Year	2009 IBC / IEBC Use Group Classificatio	n (s)		
Type of Construction				
, -	Fire suppression system in Accordance with S	·-	2000 ID C	
	If yes, separated or non sep			
	Geotechnical/Soils report r			
1	ocolecument/ cons report 1	eduttent (see section 1	802.2)	
Structural Design Calculations  CompletedSubmitted for all structural members (106.1 – 106.11)		N/A	Live load reduction	
		20 PSF	Roof <i>live</i> loads (1603.1.2, 1607.11)	
Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807)		46 PSF+DRIFT	Roof snow loads (1603.7.3, 1608)	
		60 PSF	Ground snow load, Pg (1608.2)	
Floor Area Use	Loads Shown	46 PSF + DRIFT	If $Pg > 10$ psf, flat-roof snow load $pf$	
CORRIDORS ABOVE 1ST FLR	80 PSF	1.0	If Pg > 10 psf, snow exposure factor, G	
STAIRS	100 PSF	1.0	If $Pg > 10$ psf, snow load importance factor, $I_k$	
OFFICES	50 PSF + 15 PSF PARTITION	1.1	Roof thermal factor, <sub>G</sub> (1608.4)	
PUBLIC AREAS AND CORRIDORS SERVING	100 PSF	46 PSF + DRIFT	_Sloped roof snowload, P. (1608.4)	
Wind loads (1603.1.4, 1609)		В	Seismic design category (1616.3)	
	on utilized (1609.1.1, 1609.6)	R.MAS SW, WD S	Basic seismic force resisting system (1617.6.2)	
	speed (1809.3)	2.0, 1.75	Response modification coefficient, R1 and	
1.0 Building cat	egory and wind importance Factor, b		deflection amplification factor <sub>Cl</sub> (1617.6.2)	
table 1604.5, 1609.5) Wind exposure category (1609.4)		Equiv. Lat. Force	Analysis procedure (1616.6, 1617.5)	
/- 0.18 Internal pressure coefficient (ASCE 7)		Per ASCE 7-05	Design base shear (1617.4, 16175.5.1)	
PER 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)		N/A	_Flood Hazard area (1612.3)	
Earth design data (1603.1.5, 1614-1623)		N/A	Elevation of structure	
QUIV. LAT. FORCE Design optic		Other loads		
Scismic use group ("Category")		N/A	6	
spectral resp	onse coefficients, SD: & SDI (1615.1)	Included	_Concentrated loads (1607.4)	
Site class (16	15.1.5)	N/A	Partition loads (1607.5)	
			_Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404	