

Certificate of Design Application

From Designer: Date: Job Name: Address of Construction:		GERRI A. KIELHOFNER FEBRUARY 27, 2015 HAMPTON INN PARTIAL RENOVATION 209 FORE ST UNIT H							
						Cons	2009 Internation struction project was designed to	al Building Code the building code crite	ria listed below:
					Building Co	de & Year <u>2010</u>	MUBC Use Group Classificat	tion (s) R-1 OCCUPAN	CY
					Type of Cor	nstruction <u>1-B N</u>	ON-COMBUSTIBLE		
Will the Struc	cture have a Fire sup	opression system in Accordance wit	th Section 903.3.1 of the 2	2009 IRC EXISTING PER NFPA 13					
Is the Structu	re mixed use? YES	If yes, separated or non s	separated or non separate	d (section 302.3) SEPARATED					
Supervisory a	larm System? YES	· -							
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Structural D	esign Calculations	S	NA	Live load reduction					
NA	Submitted 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)					
				Ground snow load, Pg (1608.2)					
Floor Area Use		Loads Shown		If $Pg > 10$ psf, flat-roof snow load Pf					
NA		NA		If $Pg > 10$ psf, snow exposure factor, $_{C_{\ell}}$					
				If $Pg > 10$ psf, snow load importance factor, _{I_g}					
				Roof thermal factor, $_{\stackrel{\frown}{C}}$ (1608.4)					
				Sloped roof snowload, p_3 (1608.4)					
Wind loads (1603.1.4, 1609)				Seismic design category (1616.3)					
NA	Design option utilized (1609.1.1, 1609.6)			Basic seismic force resisting system (1617.6.2)					
	Basic wind speed (1809.3)			Response modification coefficient, $_{R\!I}$ and					
	Building category and wind importance Factor, _{th} , table 1604.5, 1609.5)			deflection amplification factor _{Cd} (1617.6.2)					
	Wind exposure cate			Analysis procedure (1616.6, 1617.5)					
-	Internal pressure coefficient (ASCE 7) Component and cladding pressures (1609.1.1, 1609.6.2.2)			Design base shear (1617.4, 16175.5.1)					
	Main force wind pressures (7603.1.1, 1609.6.2.1)			1803.1.6, 1612)					
Earth design data (1603.1.5, 1614-1623)			NA	Flood Hazard area (1612.3)					
NA Design option utili		,		Elevation of structure					
	Seismic use group ("Category")		Other loads						
	Spectral response coefficients, SDs & SD1 (1615.1)		NA	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					