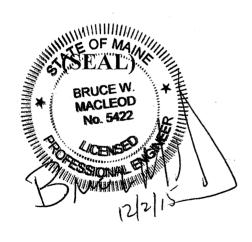


## Certificate of Design

Date:	B 12/2/15	
From:	Bruce. W. Moc Leod, P.E.	
These plans and / o	or specifications covering construction work on:	
Wilso	on residence	
	SSRockeling ASSESSED Road	

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the **2009 International Building Code** and local amendments.



Signature: Bruch. Marker

Title: Profescional Engineer

Firm: MacLoud Structural Engineers

Address: 90 Bridge St. Suite 252

Westbrook, Me 04692

Phone: 267-839-0980

E-mail: Bruce @ Moclecdengineers.com

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



Certificate of Design Application

From Designer:	Bruce W. Wache of	1, 4, F.	· ·		
Date:	12/2/15				
Job Name:	wilson Resider	ncl			
Address of Construction:	38 Bertash	ice Reside	Road Road		
Const	2009 International ruction project was designed to the		ia listed below		
		O			
Building Code & Year & P. B.	2009 where applicable	(s) <u>R-3</u>			
Type of Construction	(wood frame)				
Will the Structure have a Fire sup	pression system in Accordance with S	ection 903.3.1 of the 2	2009 IRC		
Is the Structure mixed use?	If yes, separated or non sepa	irated or non separated	d (section 302.3)		
Supervisory alarm System?					
1					
Structural Design Calculations		***	_Live load reduction		
Submitted for all s	tructural members (106.1 – 106.11)		_Roof live loads (1603.1.2, 1607.11)		
Design Leads on Construction	Dogumento (4/02)	Varies def	2. Roof (now loads (1603.7.3, 1608)		
Design Loads on Construction Uniformly distributed floor live loads		600ps f	Ground snow load, Pg (1608.2)		
Floor Area Use Loads Shown			If $Pg > 10$ psf, flat-roof snow load $pf$		
2nd flr. 30psf esteeping (con.			If $Pg > 10$ psf, snow exposure factor, $C_{e}$		
		***************************************	If $Pg > 10$ psf, snow load importance factor, $L$		
			Roof thermal factor, $_{G}$ (1608.4)		
	· ·	***************************************	Sloped roof snowload, <sub>Ps</sub> (1608.4)		
Wind loads (1603.1.4, 1609)	·	*	Seismic design category (1616.3)		
Design option utilize			Basic seismic force resisting system (1617.6.2)		
Basic wind speed (18	•	1	Response modification coefficient, $_{R_I}$ and		
Building category an	d wind importance Factor, in table 1604.5, 1609.5)		deflection amplification factor $_{C\!I}$ (1617.6.2)		
Wind exposure category (1609.4)			Analysis procedure (1616.6, 1617.5)		
Internal pressure coefficient (ASCE 7)			Design base shear (1617.4, 16175.5.1)		
•	ing pressures (1609.1.1, 1609.6.2.2) ures (7603.1.1, 1609.6.2.1)	Flood loads (1	Flood loads (1803.1.6, 1612)		
Earth design data (1603.1.5, 161	,	***************************************	_Flood Hazard area (1612.3)		
,	•	· · · · · · · · · · · · · · · · · · ·	Elevation of structure		
Design option utilize		Other loads			
Seismic use group ("Category")Spectral response coefficients, SDs & SDI (1615.1)		***	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		