

Certificate of Design Application

Todd Neal

Date:	April 1,2015		
Job Name:	Fore Street Stair #2 Replacement		
Address of Construction:	427 Fore Street, Portland, ME 04101		
Con	2009 International struction project was designed to the		eria listed below:
Building Code & Year IBC 200	9 Use Group Classification	n (s) S2 Parking Garage	e (Existing)
Type of Construction Existing			
, i	ppression system in Accordance with S	Section 903.3.1 of the	e 2009 IRC Existing
Is the Structure mixed use? Yes	If yes, separated or non sep	parated or non separat	ted (section 302.3) Existing Condition
Supervisory alarm System? Existi			
Supervisory arann System:	Ocotecnineary concrepent	oquizou. (o o o o o o o o	,
Structural Design Calculations Completed Submitted for all structural members (106.1 – 106.11) Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807) Floor Area Use Loads Shown		NA	Live load reduction
		NA	Roof <i>live</i> loads (1603.1.2, 1607.11)
		NA	Roof snow loads (1603.7.3, 1608)
		NA	Ground snow load, Pg (1608.2)
		NA	If $P_g > 10$ psf, flat-roof snow load p_f
	psf or 300 lb concentrated load	NA	If $P_g > 10$ psf, snow exposure factor, C_g
Stairs/landings 100	99101000100010011111100110011	NA	If $Pg > 10$ psf, snow load importance factor, I_s
		NA	Roof thermal factor, _G (1608.4)
		NA	Sloped roof snowload,p ₅ (1608.4)
Wind loads (1603.1.4, 1609)		NA	Seismic design category (1616.3)
NA Design option uti	lized (1609.1.1, 1609.6)	Existing	Basic seismic force resisting system (1617.6.2)
NA Basic wind speed		NA	Response modification coefficient, R_I and
NABuilding category	and wind importance Factor, by		deflection amplification factor _{Cd} (1617.6.2)
NA Wind exposure c	table 1604.5, 1609.5) ategory (1609.4)	NA	Analysis procedure (1616.6, 1617.5)
NA Internal pressure co		NA	Design base shear (1617.4, 16175.5.1)
NAComponent and cle	adding pressures (1609.1.1, 1609.6.2.2)	Flood load	s (1803.1.6, 1612)
NAMain force wind pr	ressures (7603.1.1, 1609.6.2.1)	NA	Flood Hazard area (1612.3)
Earth design data (1603.1.5, 1614-1623)		NA	Elevation of structure
NADesign option ut	ilized (1614.1)	Other load	s
NA Seismic use grou	p ("Category")	C (Concentrated loads (1607.4)
	e coefficients, SDs & SDI (1615.1)		Partition loads (1607.5)
NA Site class (1615.1.	5)		Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404



Accessibility Building Code Certificate

Designer: Todd Neal

Address of Project: 427 Fore Street, Portland, ME 04101

Nature of Project: Replacement of existing stairs and

landings to be code compliant

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.



Signature:

Title: Vice President

Firm: Becker Structural Engineers

Address: 75 York Street

Portland, ME 04101

Phone: 207-879-1838

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

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April 1, 2015

From:

Todd Neal

These plans and / or specifications covering construction work on:

Fore Street Parking Garage Stair #2 Replacement

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:

Title:

Vice President

Firm:

Becker Structural Engineers

Address:

75 York Street

Portland, ME 04101

Phone:

207-879-1838

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