13-4084 Letter of Certification

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/10/13

Letter of Certification

Contact:
Name: Patco
Address: 1293 Main Street

City, State: Sanford, Maine 04073
Country: United States

Project: Pack Edge
Builder PO #:
Jobsite: 352 Presumpscott Street

City, State: Portland, Maine 04104
County, Country: Cumberland, United States

This is to certify that the above referenced project has been designed in accordance with the applicable portions of the Building Code specified below. All loading and building design criteria shown below have been specified by contract and applied in accordance with the building code.

Overall Building Description

Shape	Overall Width	Overall Length	Floor Area (sq. ft.)	Wall Area (sq. ft.)	Roof Area (sq. ft.)	Max. Eave Height	Min. Eave Height 2	Max. Roof Pitch	Min. Roof Pitch	Peak Height
Existing	135/0/0	100/0/0	11610	9091	11620	22/0/0	22/0/0	0.500:12	0.500:12	24/9/12
Pack Edge	47/0/0	92/7/0	4056	5096	4059	23/11/8	22/0/0	0.500:12		
Total For All Shapes			15666	14187	15679					

Loads and Codes - Shape: Pack Edge

City: Portland **County:** Cumberland **State:** Maine **Country:** United States
Building Code: 2009 Maine Uniform Bldg & Energy Code
Based on Building Code: 2009 International Building Code
Building Use: Standard Occupancy Structure
Built Up: 05AISC - ASD
Cold Form: 07AISI - ASD
Rainfall: 4.00 inches per hour
3000.00 psi Concrete

Dead and Collateral Loads
Collateral Gravity:3.00 psf
Collateral Uplift: 0.00 psf

Roof Covering + Second. Dead Load: Varies
Frame Weight (assumed for seismic):2.50 psf

Roof Live Load
Roof Live Load: 20.00 psf Reducible

Wind Load
Wind Speed: 100.00 mph
The 'Low Rise' Method is Used
Wind Exposure (Factor): C (0.920)
Parts Wind Exposure Factor: 0.920
Wind Enclosure: Enclosed
Wind Importance Factor: 1.000
Topographic Factor: 1.0000

NOT Windborne Debris Region
Base Elevation: 0/0/0
Primary Zone Strip Width: 17/7/3
Parts / Portions Zone Strip Width: 8/9/10
Basic Wind Pressure: 20.02 psf

Snow Load
Ground Snow Load: 60.00 psf
Flat Roof Snow: 37.80 psf
Design Snow (Sloped): 37.80 psf
Rain Surcharge: 0.00
Exposure Category (Factor): 1 Fully Exposed (0.90)
Snow Importance: 1.000
Thermal Category (Factor): Heated (1.00)
Ground / Roof Conversion: 0.70
% Snow Used in Seismic: 20.00
Seismic Snow Load: 7.56 psf
Unobstructed, Slippery

Seismic Load
Mapped Spectral Response - Ss:31.50 %g
Mapped Spectral Response - S1:7.70 %g
Seismic Design Category: B
Seismic Importance: 1.000
Framing Fundamental Period: 0.3437
Bracing Fundamental Period: 0.2099
Framing R-Factor: 3.0000
Bracing R-Factor: 3.0000
Soil Profile Type: Stiff soil (D, 4)
Diaphragm Condition: Flexible
Frame Redundancy Factor:1.0000
Brace Redundancy Factor:1.0000
Frame Seismic Factor (Cs): 0.1084 x W
Brace Seismic Factor (Cs): 0.1084 x W
Design Spectral Response - Sd1: 0.1232
Design Spectral Response - Sds: 0.3251

Building design loads and governing building code is provided by the Builder and is not validated by Varco Pruden Buildings, a division of BlueScope Buildings North America, Inc. The Builder is responsible for contacting the local Building Official or project Design Professional to obtain all code and loading information for this specific building site.

The design of this building is in accordance with Varco Pruden Buildings, a division of BlueScope Buildings North America, Inc. design practices which have been established based upon pertinent procedures and recommendations of the Standards listed in the Building Code or later editions.

This certification DOES NOT apply to the design of the foundation or other on-site structures or components not supplied by Varco Pruden Buildings, a division of BlueScope Buildings North America, Inc., nor does it apply to unauthorized modifications to building components. Furthermore, it is understood that certification is based upon the premise that all components will be erected or constructed in strict compliance with pertinent documents for this project. Varco Pruden Buildings, a division of BlueScope Buildings North America, Inc. DOES NOT provide general review of erection during or after building construction unless specifically agreed to in the contract documents.

The undersigned engineer in responsible charge certifies that this building has been designed in accordance with the contract documents as indicated in this letter.

Engineer in responsible charge

Date: 4.11.13

Engineer's Seal: STATE OF MAINE CARL W. WALKER No. 5889 LICENSED PROFESSIONAL ENGINEER