10-6955 Letter of Certification

Letter of Certification

Contact: Bill Rudman or Dennis Waters
Name: Patco Construction Inc
Address: 1293 Main Street

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

Project: Schnitzer Northeast
Builder PO #:
Jobsite: 636 Riverside Street

City, State: Portland, Maine 04101
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
Schnitzer Northeast	60/0/0	200/0/0	12000	13150	12310	25/0/0	25/0/0	1.000:12	1.000:12	27/6/0

Loads and Codes - Shape: Schnitzer Northeast

City: Portland **County:** Cumberland **State:** Maine **Country:** United States
Building Code: 2003 International Building Code
Building Use: Standard Occupancy Structure
Built Up: 89AISC
Cold Form: 04AISI
Rainfall: 4.00 inches per hour
3000.0 psi Concrete

Dead and Collateral Loads
Collateral Gravity:3.00 psf
Collateral Uplift: 0.00 psf
Roof Covering + Second. Dead Load: 2.70 psf
Frame Weight (assumed for seismic):2.50 psf

Live Load
Live Load: 20.00 psf Reducible

Wind Load
Wind Speed: 95.00 mph
Wind Exposure (Factor): C (0.945)
Parts Wind Exposure Factor: 0.945
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: 12/0/0
Parts / Portions Zone Strip Width: 6/0/0
Basic Wind Pressure: 18.56 psf

Snow Load
Ground Snow Load: 60.00 psf
Flat Roof Snow: 37.80 psf
Design Snow (Sloped): 37.80 psf
Snow 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 Roof

Seismic Load
Mapped Spectral Response - Ss:40.00 %g
Mapped Spectral Response - S1:10.00 %g
Seismic Hazard / Use Group: Group I
Seismic Importance: 1.000
Seismic Performance / Design Category: C
System NOT detailed for Seismic
Framing Seismic Period: 0.3677
Bracing Seismic Period: 0.2236
Framing R-Factor: 3.0000
Bracing R-Factor: 3.0000
Soil Profile Type: Stiff soil (D, 4)
Frame Redundancy Factor:1.0000
Brace Redundancy Factor:1.0000
Frame Seismic Factor (Cs): 0.1316 x W
Brace Seismic Factor (Cs): 0.1316 x W
Design Spectral Response - Sd1: 0.1600
Design Spectral Response - Sds: 0.3947

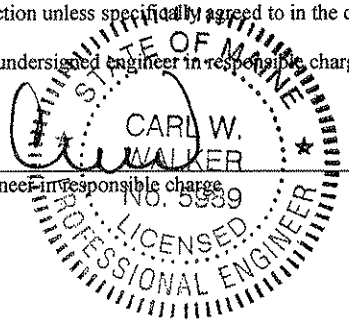
Load Notes
The building is designed to meet the following FM recommendations:
Data Sheet 1-28 - Components and Cladding are designed with Wind Importance factor of 1.15
Data Sheet 1-31 - The roof construction meets a Wind Uplift Class 1-60 Roof Assembly

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.



_____ Date: _____ Engineers Seal:

Engineer-in-responsible charge