



**Package Industries, Inc.**

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**Letter of Certification (Page 1 of 2)**

**Customer:**  
 Biskup Construction Inc.  
 16 Danielle Drive  
 Windham, ME 04062

**Project:**  
 Handyman Rental

Portland, ME 04103

**Date:** 10/12/2004  
**Project ID:** 0409-072

Overall Building Description							
Width (ft.)	Length (ft.)	Left Eave (ft.)	Right Eave (ft.)	Left Pitch (:12)	Right Pitch (:12)	Peak Height (ft.)	Ridge Offset (ft.)
25.0	80.0	12.0	14.08	1.0	N/A	14.08	25.0

This is to certify the above referenced building and its components have been designed in accordance with Package Industries, Inc.'s standard design practices and established pertinent procedures and recommendations of the following Organizations and/or Specifications.

American Institute of Steel Construction AISC 89  
 American Welding Society Structural Welding Code(AWS D1.1)    Metal Building Manufacturers Association(MBMA)  
 American Society for Testing and Materials (ASTM)    AISC Category MB Manufacturers Certification

**Design Data**

Building Code: IBC 03      Building Classification Category: Standard      Building End Use: Business

**Snow Loads**

Ground Snow (Pg) : 60.0 psf  
 Snow Exposure Factor (Ce) : 1.0  
 Snow Thermal Factor (Ct) : 1.2  
 Snow Importance Factor (Is) : 1.0  
 Flat Roof Snow (Pf) : 50.4 psf  
 Sloped Roof Factor (Cs) : 1.0  
 Sloped Roof Snow (Ps) : 50.4 psf  
 Design Roof Snow : 50.4 psf  
 % Snow Used in Seismic : 20

**Roof Dead, Collateral & Live Loads**

Dead Load : 3.0 psf  
 Collateral Load : 3.0 psf  
 Live Load : 20 psf  
 Live Load Reduction Taken : No

**Wind Loads**

Basic Wind Speed (3-second gust) : 94 mph  
 Wind Exposure : C  
 Wind Directionality Factor (Kd) : 0.85  
 Wind Topographic Factor (Kzt) : 1.0  
 Building Enclosure : c - closed  
 Importance (Iw) : 1.00  
 Reference Wind Pressure (Pv) : 22.6 psf  
 Internal Pressure Coeff. (GCpi) : +-0.18

**Seismic Loads**

Seismic Hazard Group : I  
 Seismic Importance (Ie) : 1.0  
 0.2 Sec Spectral Response (Ss) : 0.32  
 1.0 Sec Spectral Response (S1) : 0.078  
 Design Spectral Response (Sds) : 0.329  
 Design Spectral Response (Sd1) : 0.125  
 Seismic Design Category : B

**Soil Profile : D**

Response Modification (OMF),R : 3.0  
 Response Modification (OCBF),R : 5.0  
 Seismic Response Coefficient (OMF),Cs : 0.110  
 Seismic Response Coefficient (OCBF),Cs : 0.066  
 Deflection Amplification (OMF),Cd : 3.0  
 Deflection Amplification (OCBF),Cd : 4.5  
 Design Base Shear (V) = Cs \* W :  
 Analysis Procedure : 1617.4

**Auxiliary Load(s)**

None