

Codes and Loads

WHEN MULTIPLE BUILDINGS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS, HEIGHTS, FRAMING SYSTEMS, ROOF SLOPES, ETC., MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN INDICATED BELOW. SEE CALCULATIONS FOR FURTHER DETAILS. WIND LOADS ARE APPLIED TO OVERALL BUILDING ENVELOPE. COMMON WALLS BETWEEN CONNECTED SHAPES ARE NOT SUBJECT TO EXTERNAL WIND LOADS.

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

Building Code

Building Code: 2009 Maine Uniform Building and Energy Code Structural: 05AISC - ASD Rainfall: I: 4.00 inches per hour
 Based on Building Code: 2009 International Building Code Cold Form: 07AISI - ASD f'c: 3000.00 psi Concrete
 Building Risk/Occupancy Category: II (Standard Occupancy Structure)

Dead and Collateral Loads

Collateral Gravity: 3.00 psf Material Dead Weight
 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: 99.00 mph
 The 'Envelope Procedure' is Used - User Modified
 Wind Exposure: B - Kz: 0.701
 Parts Wind Exposure Factor: 0.701
 Wind Enclosure: Enclosed
 Wind Importance Factor: Iw: 1.000
 Topographic Factor: Kzt: 1.0000

Snow Load

Ground Snow Load: pg: 60.00 psf
 Flat Roof Snow: pf: 42.00 psf
 Design Snow (Sloped): ps: 42.00 psf
 Rain Surcharge: 0.00
 Exposure Factor: 2 Partially Exposed - Ce: 1.00
 Snow Importance: Is: 1.000
 Thermal Factor: Heated - Ct: 1.00
 Ground / Roof Conversion: 0.70
 Unobstructed, Slippery

Seismic Load

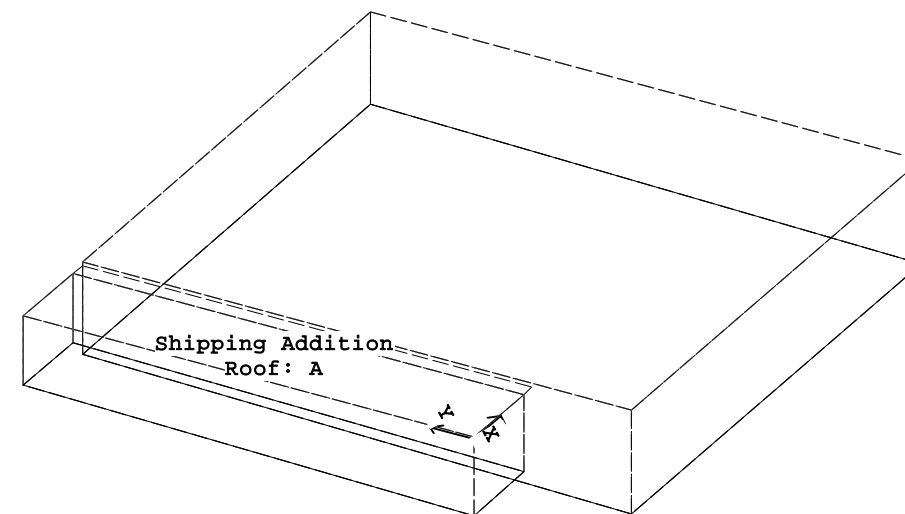
Mapped MCE Acceleration: Ss: 32.10 %g
 Mapped MCE Acceleration: S1: 7.80 %g
 Site Class: Stiff soil (D)
 Seismic Importance: Ie: 1.000
 Design Acceleration Parameter: Sds: 0.3302
 Design Acceleration Parameter: Sd1: 0.1248
 Seismic Design Category: C
 Seismic Snow Load: 8.40 psf
 % Snow Used in Seismic: 20.00
 Diaphragm Condition: Flexible
 Fundamental Period Height Used: 14/6/12

Transverse Direction Parameters


Redundancy Factor: Rho: 1.00
 Fundamental Period: Ta: 0.2386
 R-Factor: 3.00
 Overstrength Factor: Omega: 2.50
 Deflection Amplification Factor: Cd: 3.00
 Base Shear: V: 0.1101 x W

Longitudinal Direction Parameters

Redundancy Factor: Rho: 1.00
 Fundamental Period: Ta: 0.1491
 R-Factor: 3.00
 Overstrength Factor: Omega: 2.50
 Deflection Amplification Factor: Cd: 3.00
 Base Shear: V: 0.1101 x W



PERMIT SET- For Building Dept. Approval

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		THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.	REV: DATE: BY: DESCRIPTION:	BUILDER: Sheridan CUSTOMER: Safelite LOCATION: Portland, Maine PROJECT: Safelite Auto BUILDER'S PO#: 161003	JOB #: 16-008746-01 DATE: 4/29/2016 DRAWN/CHECK: LC PAGE: 2
		DRAWING SCALE: NTS		 Butler Manufacturing VPC VERSION: 2015.2d a division of BlueScope Buildings North America, Inc.	