

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: Panama City County: Bay State: Florida Country: United States

Building Code

Building Code: 2017 Florida Building Code Structural: 10AISC - ASD Rainfall: I: 12.00 inches per hour
 Based on Building Code: 2015 International Building Code Cold Form: 12AISI - ASD f'c: 3000.00 psi Concrete
 Building Risk/Occupancy Category: II (Standard Occupancy Structure)

Dead and Collateral Loads

Collateral Gravity: 2.50 psf (full roof area)
 Collateral Gravity: 2.00 psf (showroom area)

Material Dead Weight

Roof Covering + Second. Dead Load: 2.30 psf
 Frame Weight (assumed for seismic): 2.50 psf

Roof Live Load

Roof Live Load: 20.00 psf Reducible

Wind Load

Wind Speed: Vult: 135.00 (Vasd: 104.57) mph
 The 'Envelope Procedure' is Used
 Wind Exposure: C - Kz: 0.851
 Parts Wind Exposure Factor: 0.851
 Wind Enclosure: Enclosed
 Topographic Factor: Kzt: 1.0000
 Hurricane Prone Region
 NOT Windborne Debris Region
 Base Elevation: 0/0/0
 Primary Zone Strip Width: 2a: 12/1/10
 Parts / Portions Zone Strip Width: a: 6/0/13
 Basic Wind Pressure: q: 33.74 psf

Snow Load

Ground Snow Load: pg: 0.00 psf
 Flat Roof Snow: pf: 0.00 psf
 Design Snow (Sloped): ps: 0.00 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

Seismic Load

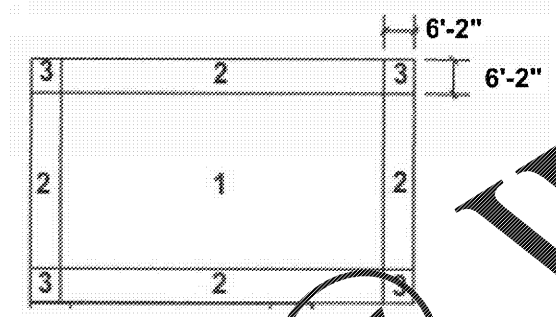
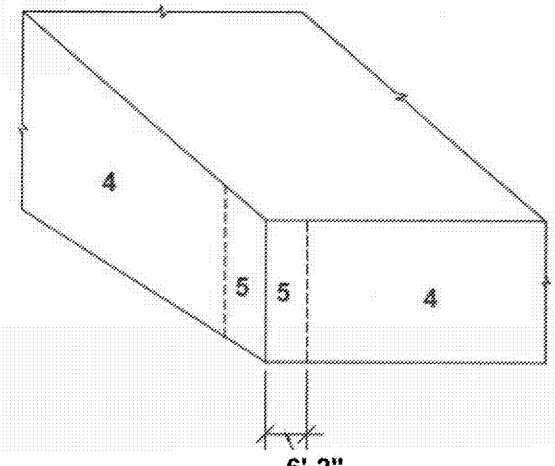
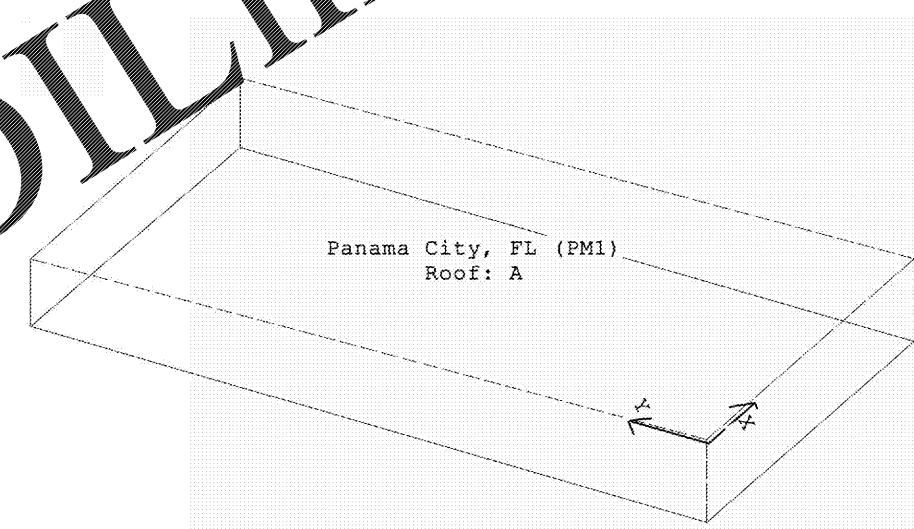
Lateral Force Resisting Systems using Equivalent Force Procedure
 Mapped MCE Acceleration: Ss: 7.40 %g
 Mapped MCE Acceleration: S1: 4.90 %g
 Site Class: Stiff soil (D)
 Seismic Importance: Ie: 1.000
 Design Acceleration Parameter: Sds: 0.0789
 Design Acceleration Parameter: Sd1: 0.0784
 Seismic Design Category: B
 Seismic Snow Load: 0.00 psf
 % Snow Used in Seismic: 0.00
 Diaphragm Condition: Flexible
 Fundamental Period Height Used: 6/8/12

Transverse Direction Parameters

System NOT detailed for Seismic
 Redundancy Factor: Rho: 1.00
 Fundamental Period: Ta: 0.2666
 R-Factor: 3.00
 Overstrength Factor: Omega: 2.50
 Ductility Amplification Factor: Cd: 3.00
 Base Shear: V: 0.0263 x W

Longitudinal Direction Parameters

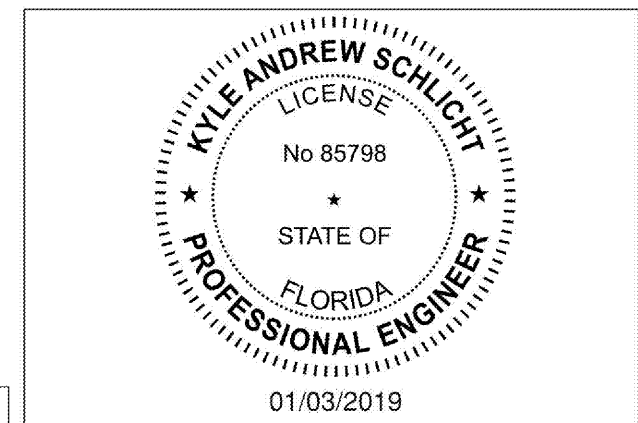
Special Reinforced Masonry shear wall
 Not designed by BBNA



COMPONENT CLADDING WIND LOADING - Vult 135mph

EWA (Sq. Ft.)	Wall Loads (psf)			Roof Loads (psf)			
	P 4,5	S4	S5	P	S1	S2	S3
5	36.51	-39.55	-48.67	16.22	-39.89	-66.93	-100.73
8	36.51	-39.55	-48.67	16.22	-39.89	-66.93	-100.73
19	35.04	-38.08	-45.74	15.30	-38.96	-60.47	-85.04
208	31.81	-34.85	-39.27	13.27	-36.93	-46.22	-50.45
298	29.42	-32.46	-34.51	12.84	-36.51	-43.27	-43.27
300	28.57	-31.61	-32.80	12.84	-36.51	-43.27	-43.27

DRAWING PREPARED BY:
 BUTLER MANUFACTURING, A DIVISION OF
 BLUESCOPE BUILDINGS NORTH AMERICA
 1540 GENESSEE STREET
 KANSAS CITY, MO 64102
 FLORIDA CERTIFICATE OF AUTHORIZATION
 NUMBER 30427



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			<p>REVISIONS:</p> <table border="1"> <tr> <th>REV.</th> <th>DATE:</th> <th>BY:</th> <th>DESCRIPTION:</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV.	DATE:	BY:	DESCRIPTION:		
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