



Alex Shatalov  
1260 SW Baron Gln  
Fort White FL 32038

Project Name: Alex Shatalov  
Buildings: A->30'-0"x42'-0"x12'-0"(RCG,4.0:12)

May 17, 2019

Attn: Alex Shatalov

Project Location: Fort White FL 32038

Project #: S1909102A

This Letter of Design Certification ensures that the materials furnished by the metal building supplier are designed in accordance with the information specified to the metal building supplier on the order documents and summarized by the loading information listed below. The Project Engineer of Record (not the metal building supplier) is responsible for verifying that the building code and design loads meet any and all applicable local requirements.

The Professional Engineer whose seal appears on this Letter of Certification is employed by the metal building manufacturer, and does not serve as or represent the Engineer of Record for this project and shall not be construed as such.

**DESIGN LOAD CRITERIA:**

Structural Loads Applied in General Accordance with: Florida (FBC 2017)  
MBMA Occupancy Importance Classification: II - Standard Buildings

**PROJECT-WIDE LOADING INFORMATION:**

Ground Snow Load: 0.0 psf  
Roof Live Load: 20.0 psf  
Snow Exposure Factor,  $C_e$ : 1.00  
Snow Imp. Factor,  $I_s$ : 0.00  
Ultimate Design Wind Velocity: 130 mph  
Reducible As Per Code.  
Nominal Design Wind Velocity: 101 mph  
\*\*\*Components & Cladding Pressures: 37 psf / -49 psf  
Is Roof to meet UL 90 Requirements?: No  
Wind Importance Factor,  $I_w$ : 1.00  
Wind Exposure: C  
Seismic Criteria:  $S_s$ : 0.091  $S_1$ : 0.052  
Design  $S_d$  /  $S_d1$ : 0.097/0.083  
Seis. Imp. Factor,  $I_e$ : 1.00  
Seis. Design Category: B  
Site Class: D  
• No ground snow included in seismic calculations.  
Analysis Procedure: Equiv. Lat. Force Procedure  
Basic SFRS: Not Detailed for Seismic

**BUILDING-SPECIFIC LOADING INFORMATION:**

Bldg	Roof Dead (psf)*	Collateral Dead		Snow Coefficient		Snow Load (psf)		Wind		Seismic		
		Pri (psf)	Sec (psf)	Ct	Cs	Ps (psf)	**Pm (psf)	Enclosure	GCpi	R	Cs	V (kips)
A	3.0	5.0	5.0	1.0	---	0.00	---	Enclosed	$\pm 0.18$	3.00	0.032	0.6

\*Primary Structural Not Included

\*\* $P_m$  is based on the minimum roof snow load calculated per building code or the contract-specified roof snow load, whichever is greater. This value,  $P_m$ , is only applied in combination with Dead and Collateral Loads. Roof Snow in other loading conditions is determined per the specified Building Code

\*\*\*Design wind pressures to be used for wall exterior component and cladding materials not provided by American Buildings Company.

**Mezzanine Information:**

Floor Dead Load: N/A

Floor Collateral Load: N/A

Floor Live Load: N/A

**Crane Information:**

No cranes on building.

**Roof-Top Unit Information**

No roof-top units on building.

The design of structural members supporting roof gravity loads is controlled by the more critical effect of roof live load or roof snow applied in accordance with the governing building code.

**DESIGN STANDARDS REFERENCED:**

- AISC Specification for Structural Steel Buildings - Steel Construction Manual, 14th Edition, © 2010.
- AISI North-American Specification for the Design of Cold-Formed Steel Structures, © 2012 Edition.
- IBC codes are designed in accordance with ASCE7-10 Edition.
- MBMA Low Rise Building Systems Manual, Latest Edition.
- No buyout structural components provided on this project.

• AWS Latest Edition of Structural Welding Code.

