

BUILDINGS AND MORE
792 SW BASCOM NORRIS DR.
LAKE CITY, FL 32052

DATE: 3/24/23
F TRAFFIC OPS BUILDINGS
JOB NO: 7966
BUILDING SIZE:
WIDTH : 50 ft.
LENGTH : 150 ft.
EAVE HT : 16 ft.
JOB SITE: LAKE CITY, FL 32055

To Whom It May Concern:

This Letter of Design Certification ensures that primary and secondary framing furnished by Metal Building Manufacturer are designed in accordance with information specified to Metal Building Manufacturer on the order documents and summarized by loading information below.

DESIGN LOAD CRITERIA:

Building Code:	FBC 20/7th Edition	
Roof Dead Load(D):	2.000 psf plus wt. of metal bldg structure	
Roof Live Load(Lr):	20.00 psf	
Tributary Live Load Reduction:	Yes	
Collateral Load(C)	: 1 psf	Seismic Use Group : II - Normal
Building Risk Category	: II - Normal	Seismic Site Class : d
Wind Speed Ultimate	: 119 mph	Mapped Response (Ss) : 0.0859
Nominal	: 92.18 mph	Mapped Response (S1) : 0.0507
Wind Exp. Cat	: B	Design Response (Sds) : 0.0907
Serviceability Wind	: 10 -year MRI	Design Response (Sd1) : 0.0800
Enclosure Type	: Partially Enclosed	Rigid Frame (Cs) : 0.0302
Internal Wind Coef.	: -0.55/0.55	Design Category (SDC) : B

Seismic Importance : 1.00
Res Mod Factor (OMF)R : 3.000*
Res Mod Factor (BrC)R : 3.000*

*=STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

COMPONENTS & CLADDING (unfactored)

Wall Field Values : 25.729 psf / -27.326 psf
Wall Edge Values : 25.729 psf / -32.116 psf

REFERENCE DESIGN STANDARDS:

- *AISC Specification for Structural Steel Buildings-Allowable stress design, 360-16.
- *AISI North-American Specification for the Design of Cold-Formed Steel Structural Members, 2016 Edition.
- *MBMA Low Rise Building Systems Manual, Latest Edition.
- *AISC Design Guide 3, "Serviceability Design Consideration for Steel Buildings, Second Edition"
- *AWS Latest Edition of Structural Welding Code-Steel.
- * FBC 20/7th Edition are using the ASCE7-16.

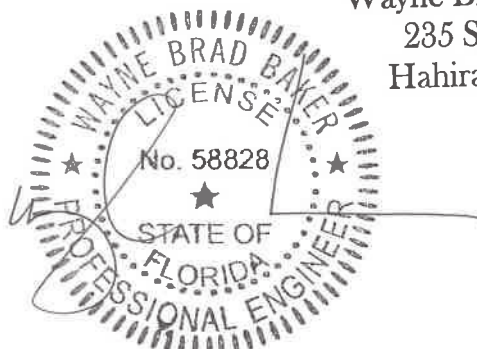
This certification is limited to the structural design of the frames, secondary, and roof/wall covering manufactured or supplied by Metal Building Manufacturer only and excludes Accessory items such as doors, windows, louvers, translucent panels, and ventilators. This certification specifically excludes any foundation, masonry, erection of building and general contract work.

The undersigned is not the engineer of record for the overall project.

Sincerely,

Wayne Brad Baker, P.E.
Electronic Signature Authentication Code for Drawings:
2A 6b 21 95 73 7A 5B 9F 3F 46 F3 01

Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632



4-5-23