

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

DATE: 8/23/23
F TRAFFIC OPS BUILDINGS
JOB NO: 7966/8227
BUILDING SIZE:
WIDTH : 50 ft.
LENGTH : 200 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): 2.00 psf plus wt. of metal bldg structure
Roof Live Load(Lr): 20.00 psf
Tributary Live Load Reduction: Yes
Collateral Load(C) : 1.00 psf
Building Risk Category : II - Normal
Wind Speed Ultimate : 119 mph
Nominal : 92.18 mph
Wind Exp. Cat : B
Serviceability Wind : 10 -year MRI
Enclosure Type : Partially Enclosed
Internal Wind Coef. : -0.55/0.55

Seismic Use Group : II - Normal
Seismic Site Class : d
Mapped Response (Ss) : 0.0859
Mapped Response (Sl) : 0.0507
Design Response (Sds) : 0.0907
Design Response (Sdl) : 0.0800
Rigid Frame (Cs) : 0.0302
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:

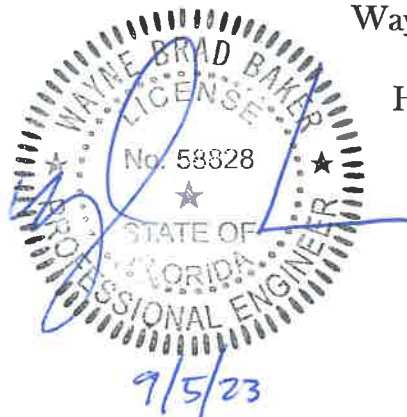
- *AISC Specification for Structural Steel Buildings-Allowable stress design, 360-16.
- *AISI North-American Specification for the Design of Cold-Formed Steel Structural Members, 2016 Edition.
- *MBMA Low Rise Building Systems Manual, Latest Edition.
- *AISC Design Guide 3, "Serviceability Design Consideration 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