

HORNET STEEL BUILDINGS, INC.
601 SOUTH ELM STREET
ADEL, GA 31620

DATE: 5/11/23
MR. LARRY LAIRD
JOB NO: 8067
BUILDING SIZE:
BLDG "A" BLDG "B" & "C"
WIDTH : 30 ft. WIDTH : 10 ft.
LENGTH : 60 ft. LENGTH : 60 ft.
EAVE HT : 12 ft. EAVE HT : 10.17 ft. L.S.
JOB SITE: FORT WHITE, FL 32038

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
Building Risk Category : II - Normal
Wind Speed Ultimate : 120 mph
Nominal : 92.95 mph
Wind Exp. Cat : B
Serviceability Wind : 10 -year MRI
Enclosure Type (A) : Enclosed
(B & C): PARTIALLY ENCLOSED
Internal Wind Coef. : -0.18/0.18
Seismic Use Group : II - Normal
Seismic Site Class : d
Mapped Response (Ss) : 0.0787
Mapped Response (S1) : 0.0477
Design Response (Sds) : 0.0832
Design Response (Sd1) : 0.0752
Rigid Frame (Cs) : 0.0277
Design Category (SDC) : B
Seismic Importance : 1.00
Res Mod Factor (OMF)R : 3.0000*
Res Mod Factor (Brc)R : 3.0000* (SW)
Res Mod Factor (Brc)R : 1.2500 (EW)
*STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.

COMPONENTS & CLADDING (unfactored)

BLDG "A"
Wall Field Values : 21.066 psf / -22.852 psf
Wall Edge Values : 21.066 psf / -28.207 psf
BLDG "B" & "C"
Wall Field Values : 25.830 psf / -27.433 psf
Wall Edge Values : 25.830 psf / -32.243 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.

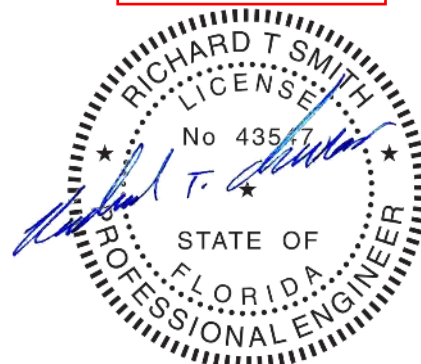
Sincerely,

RICHARD T. SMITH, P.E.

Richard T. Smith

PE # 43547 Ph-706-888-4874

510 Lee Rd 281
Salem AL, 36874



REVIEWED

By Richard T Smith at 11:24 am, May 25, 2023