

January 16, 2023

Henry Williams  
Henry Williams  
104 Homestead Ln

Angier, NC 27501

RE: 30' x 42' x 12'

PO # 108554



Jobsite Address: 104 Homestead Ln Angier, NC 27501

Dear Final Owner,

This is to certify that the above referenced structure is being designed in accordance with the International Building Code 2015 for the following loads in addition to the dead load of the structure.

<p>a) Risk Category= II - Normal</p> <p>b) Roof Live Load = 20 psf Tributary Reduction? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Roof Snow Load, Pf = 30 psf (Ground Snow Load, Pg = 42.86 psf with Ce = 1, Ct = 1) Snow Importance = 1</p> <p>c) Wind Speed, V, ultimate= 140 mph, Exposure C Wind Speed, V, asd= 108 mph Component Cladding Pressure= 39 psf Component Cladding Suction= -42 psf Internal Pressure Coeff.= 0.18/-0.18</p> <p>d) Seismic Data: Ss = 0.171, S1 = 0.082, Sds = 0.182, Sdl = 0.131 Site Class D, Seismic Importance = 1 Seismic Design Category = B Seismic Response Coeff., Cs = 0.061 Response Modification Factor., R = 3 Longitudinal Base Shear (kips) = 0.51 Transverse Base Shear (kips) = 0.56 Equivalent Lateral Force Analysis Procedure Seismic Force Resisting Systems: Steel Ordinary Moment Frame (OMF) Steel Ordinary Concentrically Braced Frame (OCBF)</p>	<p>e) Crane: Capacity = N/A tons <input type="checkbox"/> TR <input type="checkbox"/> U/H <input type="checkbox"/> MONORAIL CMAA - Class C unless noted</p> <p>f) Mezzanine Size = N/A LL = psf DL = psf</p> <p>g) Building Enclosure Type: <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Partially Enclosed <input type="checkbox"/> Open</p> <p>h) Deflection Criteria: <input checked="" type="checkbox"/> Manufacturer Standard <input type="checkbox"/> Other (Specify):</p> <p>i) Collateral Load (psf) = 1 Others (Specify):</p> <p>j) Dead Load (psf) = 2</p>
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This certification is in accordance to the design loads you requested and specified in the purchase order agreement. The building is designed in accordance with AISC, ASD Fourteenth-Edition, AISI 2013 Edition and MBMA Standard. Sunward Steel Buildings, Inc. makes no representations as to the adequacy of the design loads on the building components you have ordered. It is your responsibility to contact your city or county building officials to determine if the specified design loads you requested are adequate for your geographical area. If you are unfamiliar with the design loads required to obtain the necessary building permits, please contact your building official immediately and verify that the loadings you ordered are correct and in accordance with your building official's requirements for obtaining the necessary permits.

Sunward Steel Buildings, Inc. limited warranty and engineering data are set forth in your SALES ORDER, LIMITED WARRANTY and MANUFACTURER'S AGREEMENT. This certification covers parts manufactured by Sunward Steel Buildings, Inc. only and excludes such parts as doors, windows, masonry, foundation design and erection of the building. The building components not manufactured by Sunward Steel Buildings, Inc. are listed below:

Material: N/A

Manufacturer's Name: N/A

Fabricating Location: N/A

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

Sincerely,

Salem Salem, P.E.

Registered Professional Engineer

