January 16, 2023

Henry Williams Henry Williams 104 Homestead Ln

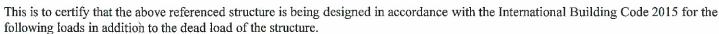
Angier, NC 27501

RE: 30' x 42' x 12'

PO # 108554

Jobsite Address: 104 Homestead Ln Angier, NC 27501

Dear Final Owner.



777			
a)	Risk Category= II - Normal	e)	Crane: Capacity = N/A tons
b)	Roof Live Load = 20 psf		☐ TR ☐ U/H ☐ MONORAIL
	Tributary Reduction? ☐ Yes ✓ No		CMAA - Class C unless noted
	Roof Snow Load, Pf = 30 psf	f)	Mezzanine Size = N/A
	(Ground Snow Load, $Pg = 42.86$ psf with $Ce = 1$, $Ct = 1$)		LL = psf DL = psf
	Snow Importance = 1	g)	Building Enclosure Type:
c)	Wind Speed, V, ultimate= 140 mph, Exposure C Wind Speed, V, asd= 108 mph		✓ Enclosed Partially Enclosed Open
	Component Cladding Pressure= 39 psf	h)	Deflection Criteria:
	Component Cladding Suction= -42 psf		Manufacturer Standard
	Internal Pressure Coeff.= 0.18/-0.18		Other (Specify):
d)	Seismic Data: $Ss = 0.171$, $S1 = 0.082$, $Sds = 0.182$, $Sdl = 0.131$	i)	Collateral Load (psf) = I
	Site Class D, Seismic Importance = 1		Others (Specify):
	Seismic Design Category = B	j)	Dead Load (psf) = 2
	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)		

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