

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 22031

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Deltec Homes, Inc..

Pages or sheets covered by this seal: I52030106 thru I52030107

My license renewal date for the state of North Carolina is December 31, 2022.

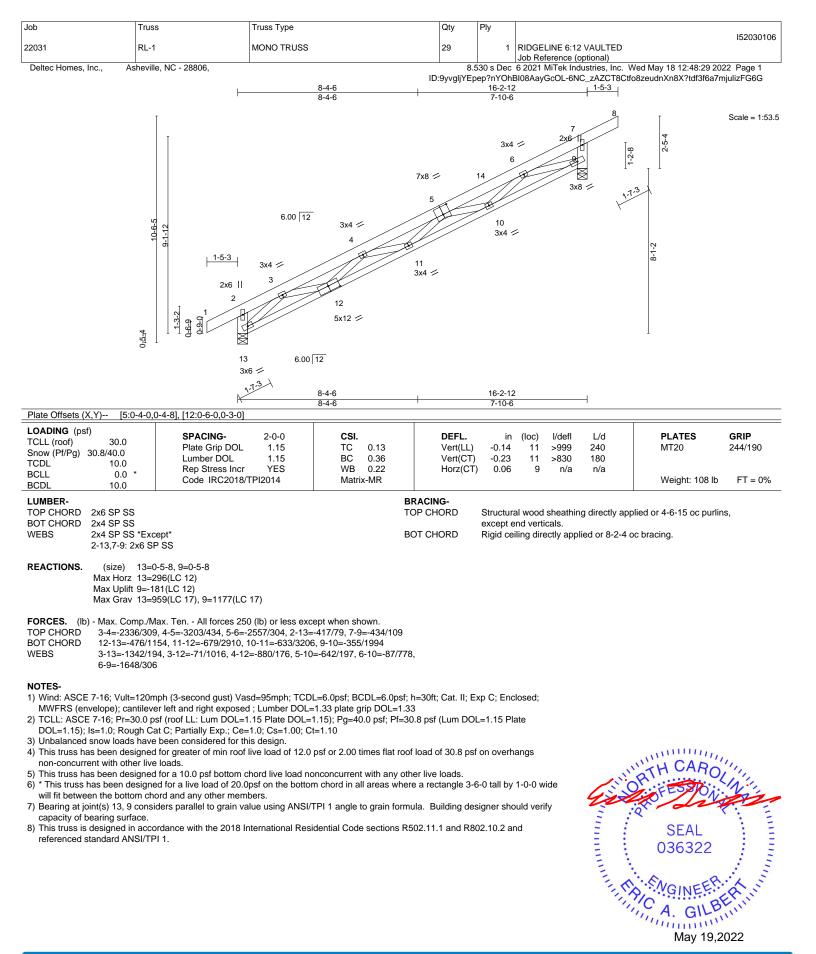
North Carolina COA: C-0844



May 19,2022

Gilbert, Eric

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job	Truss	Truss Type		Qty	Ply			152030107
22031	RL-2	MONO TRUSS		29		RIDGELINE 3:12 VAULTED Job Reference (optional)		
Deltec Homes, Inc.,	Asheville, NC - 28806,					6 2021 MiTek Industries, Inc. ayGcOL-2mKkOsbT?mSbv6		
	 	<u>8-5-0</u> 8-5-0				<u> </u>		4
								Scale: 3/8"=1'
							7x10 =	00010.0/0 -1
т							7	Т
						3x4 ≔	-	14
						6		14 9 4 4 9 4 9 4 14
				3x4 ≔ 5			- COL	
	3.00 12		7x8 ≠ 16			$\langle \rangle \rangle$	9 3x4	
15			4	- fet			9 3x6 ≕	
			TH			10		4-8-14 8-15
	2x6 3 2			1		3x4 =		4-8-1 3-8-15
				11 3x4 ==				
		12		2 00 12				
	13 0	3x4 ≕		3.00 12				
₩ ₩ ₩								
	3x6 ≔							
	1-7-1	8-5-0				15-8-10	15-	9-4
Plate Offsets (X,Y) [4	l:0-4-0,0-4-8], [7:0-3-12,0-4-	8-5-0				7-3-10	0-0	9-4 -10
LOADING (psf)					i	(1) 1/-1-41 1/-1		
TCLL (roof) 30.0 Snow (Pf/Pg) 30.8/40.0		2-0-0 OL 1.15	CSI. TC 0.19	DEFL. Vert(LL)	in -0.14 1	(loc) l/defl L/d 10-11 >999 240	PLATES MT20	GRIP 244/190
TCDL 10.0	Rep Stress Ir		BC 0.38 WB 0.14	Vert(CT) Horz(CT)		10-11 >875 180 14 n/a n/a		
BCLL 0.0 BCDL 10.0	Code IRC20		Matrix-MR		,		Weight: 92 lb	FT = 0%
LUMBER-				BRACING-	0 , ,			
TOP CHORD 2x6 SP S BOT CHORD 2x4 SP S			1	OP CHORD		I wood sheathing directly a nd verticals.	pplied or 4-5-10 oc purli	ns,
WEBS 2x4 SP S 2-13: 2x6	SS *Except* S SP SS		В	SOT CHORD	Rigid ceil	ing directly applied or 10-0	-0 oc bracing.	
OTHERS 2x4 SP S								
	13=0-5-8, 14=0-3-0							
	rz 13=142(LC 8) ift 13=-106(LC 8), 14=-82(L	_C 12)						
	av 13=1013(LC 17), 14=925							
	omp./Max. Ten All forces							
	281/174, 4-5=-3359/264, 5- 233/1219, 11-12=-361/296							
	1356/130, 3-12=-43/1049, 4 372/84, 6-10=-6/508, 6-9=-1							
NOTES-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
1) Wind: ASCE 7-16; Vul	lt=120mph (3-second gust)				xp C; Encl	osed;		
	antilever left and right expo =30.0 psf (roof LL: Lum DO				L=1.15 Pla	te		
	ough Cat C; Partially Exp.; (ds have been considered fo		=1.10					
4) This truss has been de	esigned for greater of min re		osf or 2.00 times flat roo	of load of 30.8 psf	f on overha	angs	WH CARO	111
non-concurrent with ot 5) This truss has been de	ther live loads. esigned for a 10.0 psf botto	m chord live load no	nconcurrent with any oth	her live loads.		S	RESSI	This.
	designed for a live load of 2 to the stand the stand and any other m		n chord in all areas wher	re a rectangle 3-6	3-0 tall by 1	1-0-0 wide	COPE OF	2m
Bearing at joint(s) 13,	14 considers parallel to gra		TPI 1 angle to grain forr	mula. Building de	esigner sho	ould verify		
capacity of bearing su 8) This truss is designed	rface. in accordance with the 201	8 International Resid	dential Code sections R!	502.11.1 and R8 [,]	02.10.2 an	d	SEAL	Ξ.
referenced standard A	NSI/TPI 1.						036322	1 E
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							May 19,2	/1///

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May 19,2022

