

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 25010029-A 132 Hidden Lakes North-2nd Floor-Plan 10 GRH

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I73180099 thru I73180099

My license renewal date for the state of North Carolina is December 31, 2025.

North Carolina COA: C-0844



May 2,2025

Tony Miller

**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.

Job		Truss			Truss T	VDe				Qty	Pl	, I	132 11:44	an Lakoo	North	2nd Floor-	Plan 10	GRH	
						yhe						y		EII Lakes	North-			I7318009	9
2501002	29-A	F07			Floor			Due 0 70 7		3	1	0.5-1-15	Job Refei				4.00 50	_	
Ganer Com	REPAIR: 1"(D) X 3	Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Thu May 01 14:09:53   ID:ZPPSs?OvrOzbXuTYiasKnwzwhws-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f   I-8-12 2-0-0   APPLY 2 X 6 X 6' SPF/DF/SP NO.2 SCAB TO ONE FACE OF TRUSS CENTERED ON DAMAGE/SPLICE OR AS SHOWN. ATTACH WITH (1 ROW) OF (0.131"X3") NAILS SPACED 2" ON CENTER IN ALL ALIGNING MEMBERS, PLUS (1) NAIL INTO EACH COVERED WEB. USE 2" MEMBER END DISTANCE. IN ADDITION TO REQUIRED NAILING, CONSTRUCTION QUALITY ADHESIVE RECOMMENDED TO REDUCE POTENTIAL SQUEAKS.												0-1 ├ 0-3-0 H					
<mark> 1-2-0</mark>	4x6 II 1 2 1	3 4 38 37 38 37 5x6 II	4x6 II 5	6 36 6x8=	5x6 II 7	8 35 6x10=	6x8 = 9 9 34 6x8	6x8 = 20HS 3x8 F 10 <sup>11</sup> 3332 = 20HS 3x8 F	6 12 31 MT20H	<8 = 3 1 3 30 S 3x8 F	14 29	4x6 # 15	16 28 5x6 II	4x6 ॥ 17	18 27 6x8	5x6 19	x6 FP 20 21 20 2 26 25 3x6 FP 6x1	6x8= 223 24 24 25 25 25 26 26 26	1-2-0
Scale = 1:5 Plate Offse	3-1-0 3-1-0 33.4 ets (X, Y): [9:0-3-		[11:0-1-8,E	<u>12-5-</u> 9-4- <sup>-</sup> dge], [12	12	ge], [31:0-3-	1.		16-5-8 5-8 17- 		1-8,0-0-	8]		<u>30-11</u> 13-11					
Loading TCLL TCDL BCLL BCDL		(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip Lumber Do Rep Stres Code	DOL OL	2-0-0 1.00 1.00 YES	1/TPI2014	C T B V	SI C VB Matrix-MSH	0.0 0.0 0.0	<b>D</b> 95 V 94 V	EFL ert(LL) ert(CT) lorz(CT)	- -0.2 -0.3	8 28-29	l/defl >789 >582 n/a	L/d 480 360 n/a	PLATES MT20 MT20HS Weight: 2		<b>GRIP</b> 244/190 187/143 FT = 20%F	, 11%E
LUMBER TOP CHOI BOT CHOI OTHERS BRACING TOP CHOI BOT CHOI FORCES TOP CHOI	No.1(flat) RD 2x4 SP No.: 2x4 SP No.: 2x4 SP No.: 2x4 SP No.: RD Structural w 6-0-0 oc pu RD Rigid ceiling bracing. NS (size) 2 Max Grav 2 3 (lb) - Maxim Tension RD 1-39=-78/0, 2-4=-1473// 5-6=-1471/( 7-8=-42/156 11-12=-727 14-15=-292 16-17=-382 18-19=-349 21-22=-172	2(flat) 3(flat) *Ex 3(flat) *Ex 3(flat) * a (flat) * a	thing direct ept end ver applied or 6 34=0-3-8, 3 C 4), 34=20 C 3) pression/Ma (83, 1-2=0/0 1473/133, -1471/670, 12/1583, 9-1 14=-2926/0 6a=-3821/0, 1=-1722/0, 3=-3491/0, 1=-1722/0, 3=-3491/0, 1=-1722/0, 3=-3491/0, 1=-356-163 -35=-2874/ 32=-435/72 29=0/3458,	2:2x4 SP tly applied tricals. 3-0-0 oc 39=0-3-8 045 (LC 1 aximum 0, 11=0/287 , 9, 0, 7,	4 SP d or 1) 2) 3) 4) 5) LC 4,	All plates Recomm 10-00-00 (0.131" X	2-3 5-3 7-3 9-3 14- 16- 18- 21- 21- ced floo gn. a are M a are 3 are 3 oc and ( 3") na uter en N, Do r	T20 plates (6 MT20 ui (6 strongba d fastened hils. Strong ids or restr not erect tri	2, 2-37=-1 3, 5-36=-4 -35=-122 11-34=-3- 15-29=-6 , 17-28=-6 , 19-27=0, , 22-25=0, s have be s unless othe acks, on e to each ti backs to ained by o	18/605 29/0, 6 7/0, 8-3 141/0, 64/0, 7 7/7, 17 813, 1 1580, en cor herwise rwise i dge, sp uss wi be atta other n	5, 4-37= 6-36=-1 35=-205 12-29= 15-28=( 7-27=-3 9-25=-1 22-24= nsiderec se indicate paced a ith 3-100 ached to	=-162/0, 67/0, 5/0, 0/2604, 0/480, 667/0, 1190/0, -1010/0 d for ated. td.					SEAL 2359		A MANUMUM

1/2/2023 BEFORE USE. building component, not is design jub the overall



May 2,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

