

Trenco 818 Soundside Rd Edenton, NC 27932

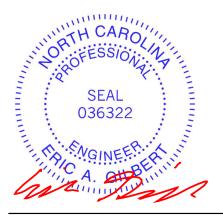
Re: SE Floor F Chesapeake; 755; Lot 196 Neil's Pointe; 54 Baird Cove Ln

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Apex,NC.

Pages or sheets covered by this seal: I63000742 thru I63000742

My license renewal date for the state of North Carolina is December 31, 2024.

North Carolina COA: C-0844



January 12,2024

## 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.

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Job		Truss		Truss Type			Qt	Qty	Ply	Chesapeake; 755; Lot 196 Neil's Pointe; 54 Baird Cove					
SE Floor F	F	F01G		Floor			2		1	Job Reference (optional)					163000742
Builders FirstSou	Irce (Apex, NC), Ape	x, NC - 27523,					S Nov 1 2023								Page: 1
	0-1- 	1-0-4 8 1.5x3 <b>I</b>		6-9-	8	ID:IU TUE:	xjwi_GYKJq2K.   <u>1-2-8</u> 	3x6 F	2-1/2" x 2-1 AND IN BO	/2" NOTCHES TTOM CHORE	IN TOP C	HORD II	N THE MIDI	DLE OF PA	
		x3 = 2	1.5x3 µ	1.5x3 II	1.5x3 II 5	1.5x3 ш 6	1.5x3 u	4 = 3 9	1.5x3 II 10	1.5x3 II 11	1.5x3 12	11	5x3 II	1.5x3 <b>u</b> 3x4 = 145	1-2-0
Scale = 1:34.7	& 3> X, Y): [8:0-1-8,Ec	4 = <sup>28</sup> 3x4 =	27 1.5x3 #	26 1.5x3 II	25 1.5x3 II	2423 1.5x3 II 3x6 FP	3x4 = 1 <u>16-4-0</u> 16-4-0			19 1.5x3 II OCKS IN THE DEXISTING MI		<b>II</b> F THE T			
Loading TCLL TCDL BCLL BCCL	(ps 40. 10. 5.	f) <b>Spacing</b> 0 Plate Gri 0 Lumber I 0 Rep Stre	p DOL DOL	2-0-0 1.00 1.00 NO IRC2015/T		CSI TC BC WB Matrix-S	0.09 0.02 0.03	DEFL Vert(I Vert( Horiz	LL) r TL) r	in (loc) n/a - n/a - 00 22	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight:		<b>GRIP</b> 244/190 FT = 20%F, 11%E
	19=11 22=11 26=11 29=11 Max Grav 16=7 18=1- 20=1 25=1- 27=1- 29=4	sheathing dire except end vi ectly applied or 6-4-0, 17=16-4 6-4-0, 20=16-4 6-4-0, 24=16-4 6-4-0, 27=16-4 6-4-0, 27=16-4 6-4-0, 1, 17=16 14 (LC 1), 19=1 16 (LC 1), 21=1 33 (LC 1), 24=1 46 (LC 1), 28=1 16 (LC 1), 28=1	erticals. 6-0-0 oc -0, 18=16-4 -0, 21=16-4 -0, 25=16-4 -0, 28=16-4 57 (LC 1), 147 (LC 1), 147 (LC 1), 147 (LC 1), 147 (LC 1), 147 (LC 1), 147 (LC 1), 159 (LC 1),	2) T b 3) G 4) A c 1 or 5) T ir 6) R 6) R 6) R 4-0, 1 1-0, 2 1-0, 2 1-0, 20	russ to be f raced again cable studs all bearings apacity of 5 his truss is nternational 802.10.2 a ecommenc 0-00-00 oc 0.131" X 3" t their outer	ully sheather ast lateral m spaced at 1 are assume 65 psi. designed in Residential nd reference 2x6 strongi and fastene nails. Stro	us bottom cho de from one fai overnent (i.e. c -4-0 oc. d to be SP No accordance w Code section: ed standard Al backs, on edg d to each trus ngbacks to be trained by oth	e or se liagona 2 crush ith the s R502. NSI/TPI e, space s with 3 attache	curely I web). hing 2015 11.1 and 1. ed at -10d ed to walls						
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Tension 1-29=-37/0, 15- 3-4=0/6, 4-5=0// 8-10=-2/0, 10-1 12-13=-2/0, 13- 28-29=0/2, 27-2 25-26=-6/0, 24- 21-22=0/2, 20-2 17-18=0/2, 16-1 2-28=-138/0, 3- 5-25=-133/0, 6- 8-21=-127/0, 10 12-18=-132/0, 1	Compression/N 16=0/59, 1-2=0 5, 5-6=0/6, 6-7 1=-2/0, 11-12=- 14=-2/0, 14-15- 8=-6/0, 26-27= 25=-6/0, 22-24- 1=0/2, 19-20=( 7=0/17 27=-133/0, 4-2( 24=-133/0, 7-2) -20=-133/0, 11	/6, 2-3=0/6 =0/6, 7-8=0 -2/0, =-1/0 -6/0, =-6/0, 0/2, 18-19= 6=-134/0, 2=-133/0,	0/2,							0.11111			SEAL	• –

January 12,2024



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 outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 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)

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