

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 20020052B Ivercon/Sweetwater Lot #18

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: E14357972 thru E14357972

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844



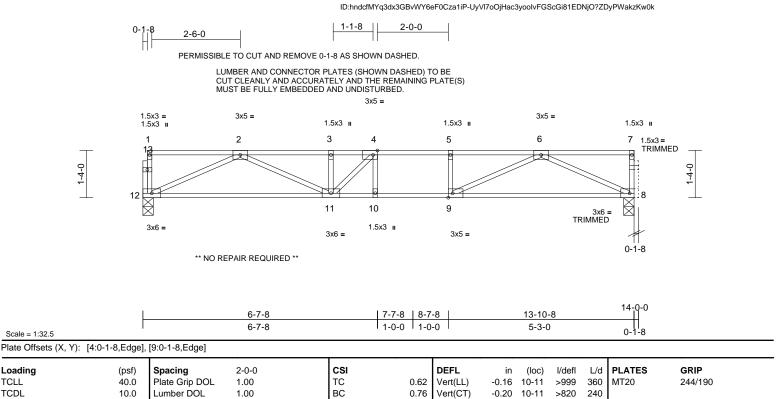
May 4,2020

## 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.

Job	Truss	Truss Type	Qty	Ply	Ivercon/Sweetwater Lot #18			
20020052B	F02	Floor	1	1	Job Reference (optional)	E14357972		

Carter Components (Sanford), Sanford, NC - 27332,



Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Fri May 01 10:01:52

TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.20	10-11	>820	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 69 lb	FT = 20%F, 11%E
LUMBER BRACING												
TOP CHORD BOT CHORD					TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc p except end verticals.					ed or 6-0-0 oc purlins,		
WEBS 2x4 SP No.3(flat)			BC	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.						c bracing.		
OTHERS 2x4 SP No.3(flat)												
REACTIONS (	(lb/size) 8=753/0-3	-8, 12=747/0-3-8										

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-2052/0, 3-4=-2052/0, 4-5=-2079/0, 5-6=-2079/0

BOT CHORD 11-12=0/1360, 10-11=0/2079, 9-10=0/2079, 8-9=0/1335

WEBS 5-9=-271/0, 6-8=-1476/0, 6-9=0/863, 2-12=-1492/0, 2-11=0/765, 3-11=-261/32,

## NOTES

Scale = 1:32.5

Loading

TCLL

Unbalanced floor live loads have been considered for this design. 1)

4-11=-371/212

Standard

2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. 3) Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S)



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🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. WARNING - Verify design parameters and KEAD NOTES ON THIS AND INCLODED MITER KETERENCE PAGE MIT-14's rev. 10/02/015 ber/OKE USE. Design valid for use only with MITRek 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 **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Sector derivation (b)** for the component of the sector of the secto fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Qua** Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



