

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 23050152-02 39 Fair Ridge Farms-2nd Floor-Charleston

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: I59449490 thru I59449490

My license renewal date for the state of North Carolina is December 31, 2023.

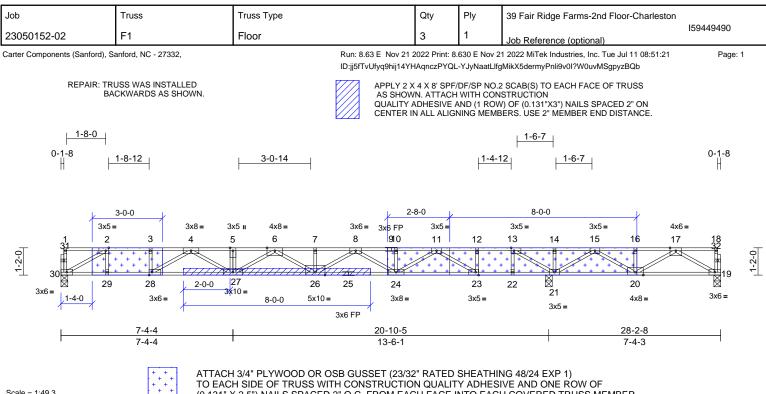
North Carolina COA: C-0844



July 12,2023

## 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.



Scale = 1:49.3

TO EACH SIDE OF TRUSS WITH CONSTRUCTION QUALITY ADHESIVE AND ONE ROW OF (0.131" X 2.5") NAILS SPACED 2" O.C. FROM EACH FACE INTO EACH COVERED TRUSS MEMBER.

Plate Offsets (X, Y): [2:0-1-8,Edge], [13:0-1-8,Edge], [23:0-1-8,Edge], [28:0-1-8,Edge]													
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.81 1.00 0.93	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 26-27 26-27 21	l/defl >807 >591 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 156 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP 2400F 2.0E( SP No.2(flat) 2x4 SP No.2(flat) *E: No.1(flat) 2x4 SP No.3(flat) *E: 27-26,13-14,14-15:2 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exx Rigid ceiling directly (lb/size) 19=-261/0 30=935/0 Max Uplift 19=-517 ( Max Grav 19=186 (L 30=941 (L 0) - Max. Comp./Ma (lb) or less except with the second secon	flat) *Except* 9-18:2) xcept* 25-19:2x4 SP xcept* 25-19:2x4 SP xcept* x4 SP No.2(flat) athing directly applied cept end verticals. applied. )-3-8, 21=2388/0-3-8 -3-8 LC 3) .C 4), 21=2388 (LC 1 .C 4) .C 4), 21=2388 (LC 1 .C 4) .C 4) .C 4), 21=2388 (LC 1 .C 4) .C 4)	(4 k4 k4 k4 k4 k4 k4 k4 k4 k4 k	VEBS OTES Unbalanced this design. All plates ar N/A One RT7 M truss to bea connection i forces. N/A This truss is Internationa R802.10.2 a Recommenn 10-00-00 oc (0.131" X 3" at their oute	4-27=0/694, 2-30=- 2-29=0/652, 3-28=0 6-26=-413/0, 17-20 15-20=0/1437, 8-24 11-24=0/1397, 13-2 11-23=-1735/0, 13- 11-23=-1735/0, 13- 11-23=-1755/0, 13- 11-23=-1755/0	0/463, 1 =-1126 I=-994/( 21=-266 23=0/1 e been s other ommen PLIFT at does no lance w sections dard AN on edge ch truss s to be by othe	7-19=-203/11 (0, 8-26=0/66 0, 15-21=-19 5/0, 944, 3-29=-1 considered fi wise indicate ded to connet it the 2018 5 R502.11.1 a JSI/TPI 1. a, spaced at s with 3-10d attached to v or means.	080, 54, 558/0, 302/0 or d. ect s ateral			é de la compañía de	SEA 0363	
												in the second se	12 2023

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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