

Trenco 818 Soundside Rd Edenton, NC 27932

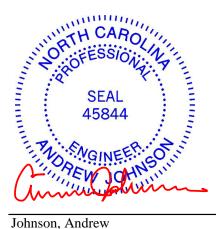
Re: NC1\_111-F Caruso.Tillery1:NC1 111

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: I57903262 thru I57903262

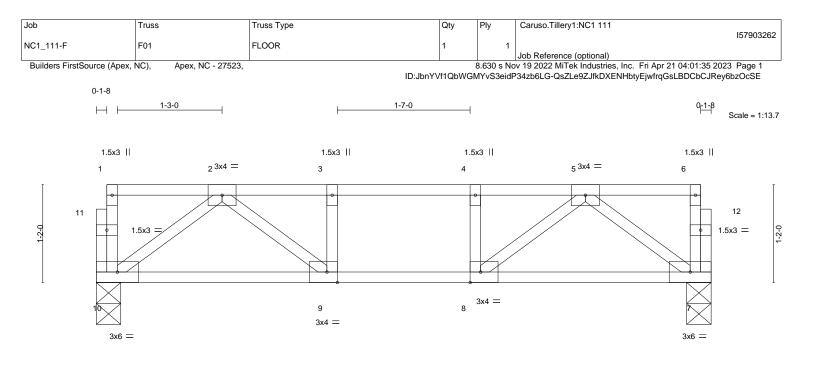
My license renewal date for the state of North Carolina is December 31, 2023.

North Carolina COA: C-0844



April 21,2023

**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.



7-4-0									
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.23 BC 0.24 WB 0.15 Matrix-S	( )	-0.02	(loc) 9-10 9-10 7	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 38 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER-   TOP CHORD 2x4 SP No.2(flat)   BOT CHORD 2x4 SP No.2(flat)   WEBS 2x4 SP No.3(flat)			BRACING- TOP CHORI BOT CHORI	e	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.				
REACTIONS. (size) 10=0-3-8, 7=0-3-8 Max Grav 10=383(LC 1), 7=383(LC 1)									
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.   TOP CHORD 2-3=-644/0, 3-4=-644/0   BOT CHORD 9-10=0/421, 8-9=0/644, 7-8=0/421   WEBS 5-7=-524/0, 2-10=-524/0, 5-8=0/324, 2-9=0/324									

## NOTES-

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

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.



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 **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



