

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J1118-5040 202 BROADLAKE LANE, SPRING LAKE, NC

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E12904763 thru E12904763

My license renewal date for the state of North Carolina is December 31, 2019.

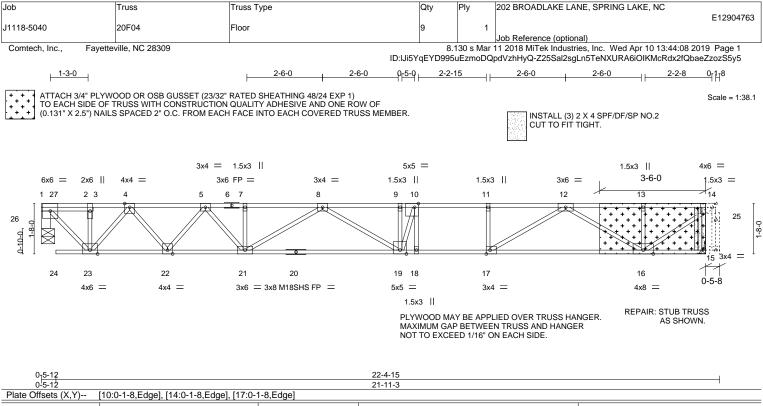
North Carolina COA: C-0844



April 11,2019

Gilbert, Eric

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.



LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-1-7-3Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.71 BC 0.86 WB 0.76 Matrix-S	Vert(LL) -0.3	in (loc) l/defl L/d i1 18-19 >855 480 i2 18-19 >629 360 i3 15 n/a n/a	PLATES MT20 M18SHS Weight: 124 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP 2400F 2.0E(flat) BOT CHORD 2x4 SP 2400F 2.0E(flat) WEBS 2x4 SP No.3(flat) OTHERS 4x4 SP No.2(flat)			BRACING- TOP CHORD BOT CHORD	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. (Ib/size) 15=969/0-5-8, 26=971/0-5-4						
FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown.						

 TOP CHORD
 14-15=-954/0, 1-2=-872/0, 2-4=-872/0, 4-5=-2055/0, 5-7=-2941/0, 7-8=-2941/0, 8-9=-3514/0, 9-10=-3514/0, 10-11=-3282/0, 11-12=-3282/0, 12-13=-1376/0, 13-14=-1376/0, 1-26=-971/0

 BOT CHORD
 22-23=0/1547, 21-22=0/2551, 19-21=0/3408, 18-19=0/3282, 17-18=0/3282, 16-17=0/2442 1-23=0/1242, 4-23=-1041/0, 4-22=0/805, 5-22=-787/0, 5-21=0/602, 8-21=-545/0, 8-19=-29/318, 9-19=-538/56, 10-19=-200/1046, 10-18=-533/5, 11-17=-363/0, 12-17=0/1059, 12-16=-1244/0, 14-16=0/1603

NOTES-

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

2) All plates are MT20 plates unless otherwise indicated.

3) Plates checked for a plus or minus 1 degree rotation about its center.

 Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

5) 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.

6) CAUTION, Do not erect truss backwards.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ocllapse 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safey Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



