



695c

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J0621-3541
TMD / 69 South Creek / Harnett

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: I49734692 thru I49734692

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



January 18, 2022

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 MITTEK or TRENCO. Any project specific information included is for MITTEK's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MITTEK 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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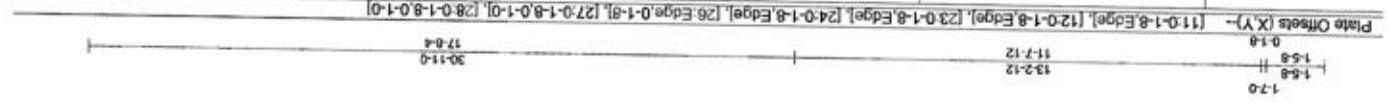
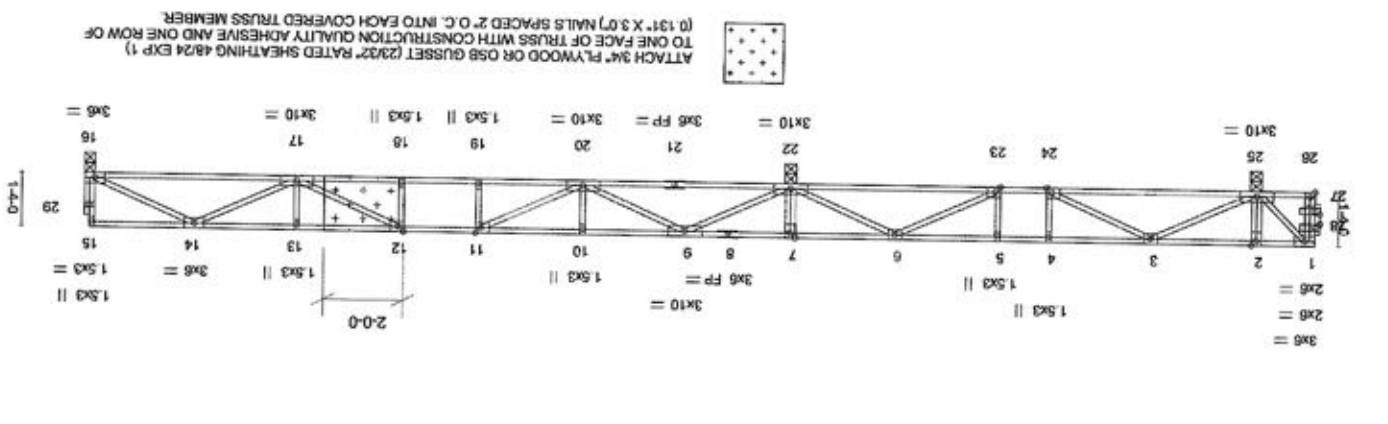


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Job	Truss	Truss Type	Qty	Ply	Truss / 69 South Creek / Harnett	149734692
10621-9541	F1A	FLOOR	1	1		

Comtech, Inc. Fayetteville, NC - 28314, 8:430 a Aug 16 2021 Mittek Industries, Inc. Mon Jan 17 09:38:48 2022 Page 1
 ID:MMK32ONGD5MF117050Rqz2mBtFyVurk0bV23UgRqG73T1MJOFUJnq4to7bzUy
 Job Reference (optional)



LOADING (psf)	SPACING- 2-0-0	CSL	DEFL	Vert(LL)	in (loc)	ldell	L/G	PLATES	GRIP	Weight: 158 lb	FT = 20%FT, 11%E
TCLL 40.0	Plate Gnp DOL 1.00	TC 0.72	-0.24	17-18	>876	480		MT20	244/190		
TCDL 10.0	Lumber DOL 1.00	BC 1.00	-0.32	17-18	>654	360					
BCLL 0.0	Rep Stves Incr NO	WB 0.74	0.03	16	n/a	n/a					
BCLD 5.0	Code IRC2015/TP12014	Matrix-S									

LUMBER-	TOP CHORD	2x4 SP No. 1(1in)	BRACING-	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 cc purlins, except end verticals	BOT CHORD	Rigid ceiling directly applied or 6-0-0 cc bracing.
WEBS	2x4 SP No. 3(1in)						

REACTIONS	(size)	22=0-3-8, 25=0-3-8, 16=0-3-0
Max Grav	22=1804(LC 4), 25=2002(LC 3), 16=852(LC 11)	

FORCES	(b) - Max. Comp/Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=0/1165, 2-3=0/1174, 3-4=547/962, 4-5=547/962, 5-6=547/962, 6-7=0/1823, 7-9=0/1823, 9-10=1859/0, 10-11=1859/0, 11-12=2713/0, 12-13=2535/0, 13-14=2535/0, 14-17=0/1051, 13-17=323/0, 12-17=402/178
BOT CHORD	24-25=1018/4, 23-24=962/547, 22-23=1201/200, 20-22=238/491, 19-20=0/2713, 18-19=0/2713, 17-18=0/2713, 16-17=0/1584, 2-25=-433/0, 7-22=-281/0, 1-25=-154/0, 6-22=-129/0, 9-22=-221/0, 6-23=0/999, 3-25=-1217/0, 9-20=0/1562, 10-20=275/15, 3-24=0/620, 11-20=-1092/0, 14-16=-1738/0

- NOTES:**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
 1) Dead + Floor Live (balanced); Lumber Increase=1.00; Plate Increase=1.00
 Uniform Loads (psf)
 Vert: 16-26=10, 1-2=350, 2-15=100
 Concentrated Loads (lb)
 Vert: 1=840



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED ATTEN REFERENCE PAGE MB-7673 rev. 6/19/2020 BEFORE USE. Design valid for use only with MITtek 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 members and to prevent collapse with possible personal injury and property damage. For general guidance regarding the location, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITF Quality Criteria, D58-89 and BCSI Building Component Safety Information evaluate from Truss Plus website, 2670 Crain Highway, Suite 203 Waldorf, MD 20691

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