

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0622-3441 Rodriguez Residence

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: I52929437 thru I52929438

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

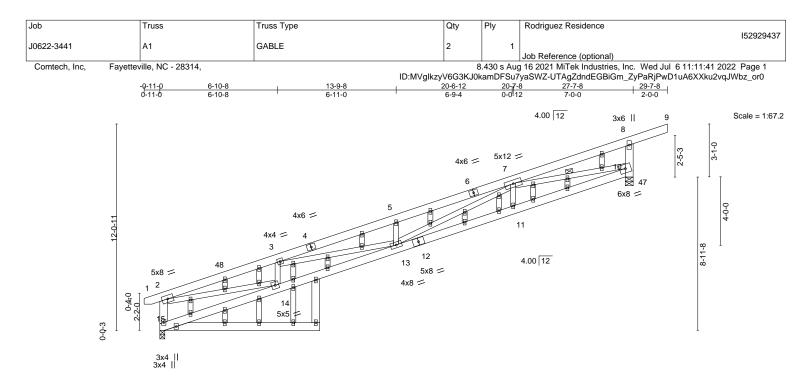
North Carolina COA: C-0844



July 6,2022

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 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.



	6-10 6-10	-	9-3-5 9-4-0 2-4-13 0-0-11	13-9-8 4-5-8		-7-8 0-0			27-7-8 7-0-0		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/T	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matri	0.34 0.26 0.69 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.27 -0.55 0.07 0.36	(loc) 13 13 47 13	l/defl >999 >594 n/a >900	L/d 360 240 n/a 240	PLATES MT20 Weight: 245 lb	GRIP 244/190 FT = 20%

LUMBER- TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP 2400F 2.0E *Except*	BRACING- TOP CHORD	Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
Boronona	15-16: 2x6 SP No.1	BOT CHORD	Rigid ceiling directly applied or 8-6-0 oc bracing.
WEBS	2x4 SP No.2 *Except*	WEBS	1 Row at midpt 7-10
	2-15,8-47,16-17: 2x6 SP No.1		
OTHERS	2x4 SP No.2		
REACTIONS.	(size) 15=0-3-8, 47=0-5-8 Max Horz 15=473(LC 8) Max Uplift 15=-243(LC 8), 47=-486(LC 8) Max Grav 15=1137(LC 1), 47=1225(LC 1)		
FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.		
TOP CHORD	2-15=-1119/446, 2-3=-3303/1081, 3-5=-4391/1456, 5-7=-4358/1547, 7-8=-2	269/2,	
	10-47=-1225/486, 8-10=-307/293		
BOT CHORD	14-15=-582/379, 13-14=-1505/3247, 11-13=-1271/3292, 10-11=-1266/3303	3	
WEBS	3-13=-250/1041, 7-13=-529/1134, 7-10=-2917/1114, 2-14=-870/2832, 3-14	=-645/335,	
	5-13=-392/262, 7-11=0/282		

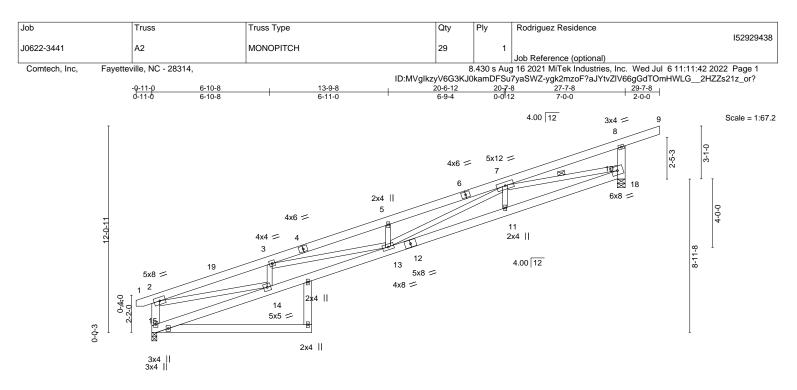
NOTES-

- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 29-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Bearing at joint(s) 15, 47 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=243, 47=486.

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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



	6-10-8 6-10-8	9-3-5 9-4-0 13-9-8 2-4-13 0-0-11 4-5-8	20-7-8 6-10-0	27-7-8 7-0-0	——
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.34 BC 0.26 WB 0.69 Matrix-S	DEFL. in (loc) Vert(LL) -0.27 13 Vert(CT) -0.55 13 Horz(CT) 0.07 18 Wind(LL) 0.25 13	l/defl L/d >999 360 >594 240 n/a n/a >999 240	PLATES GRIP MT20 244/190 Weight: 224 lb FT = 20%

LUMBER- TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP 2400F 2.0E *Except*	BRACING- TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins,
BOT CHORD 2x6 SP 2400F 2 0F *Except*	
	except end verticals.
15-16: 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	WEBS 1 Row at midpt 7-10
2-15,8-18,16-17: 2x6 SP No.1	

Max Horz 15=329(LC 8) Max Uplift 15=-72(LC 8), 18=-226(LC 8) Max Grav 15=1137(LC 1), 18=1225(LC 1)

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

 TOP CHORD
 2-15=-1119/365, 2-3=-3303/670, 3-5=-4391/865, 5-7=-4358/937, 7-8=-269/0, 10-18=-1225/444, 8-10=-307/293

 BOT CHORD
 14-15=-526/379, 13-14=-1046/3247, 11-13=-787/3292, 10-11=-782/3303

WEBS 3-13=-129/1041, 7-13=-399/1134, 7-10=-2917/702, 2-14=-499/2832, 3-14=-645/230, 5-13=-392/189, 7-11=0/282

NOTES-

- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 29-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Bearing at joint(s) 15, 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 18=226.



ENGINEERING BY EREPACED A MITek Affiliate 818 Soundside Road Edenton, NC 27932

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