

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0821-4864 Lot 9 Oak Haven

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: I50946231 thru I50946235

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

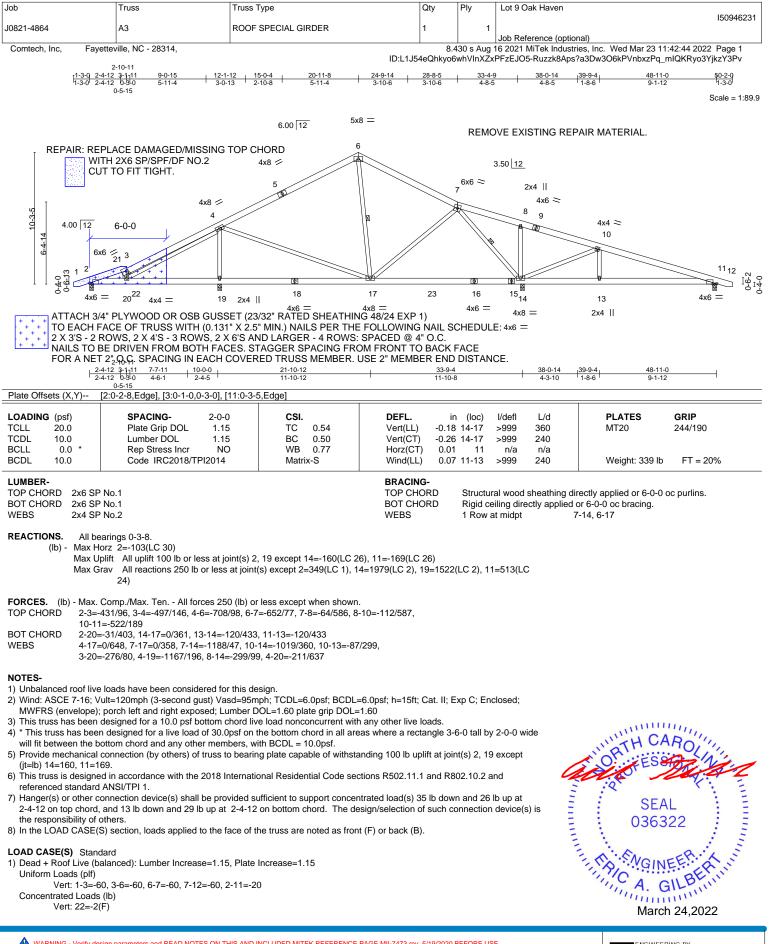
North Carolina COA: C-0844



March 24,2022

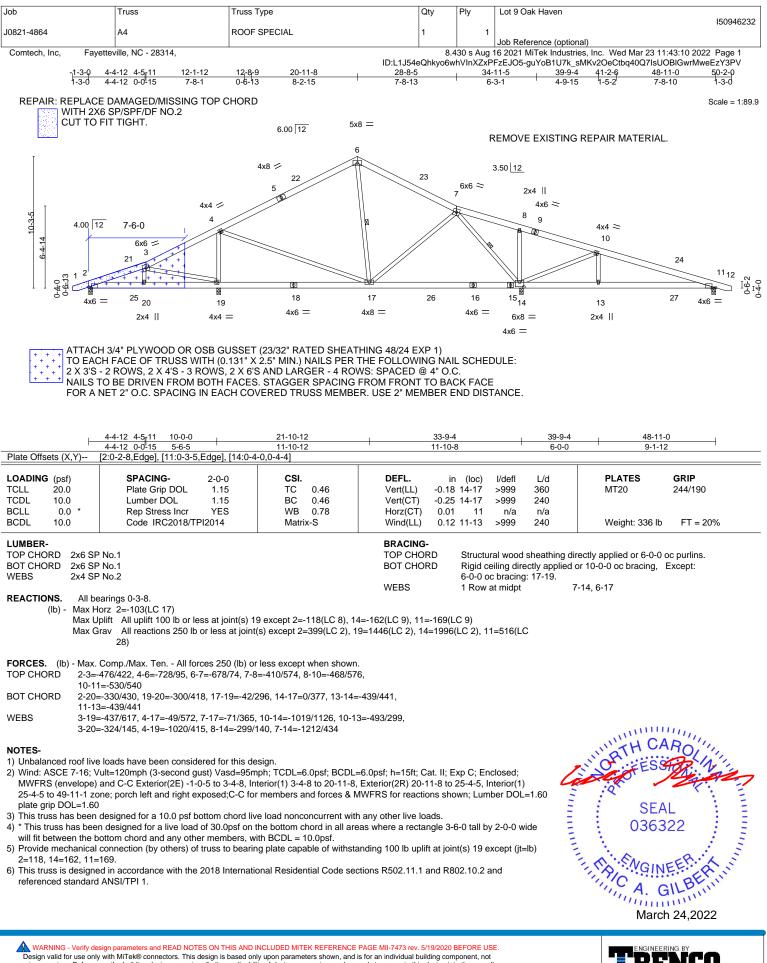
Gilbert, Eric

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.



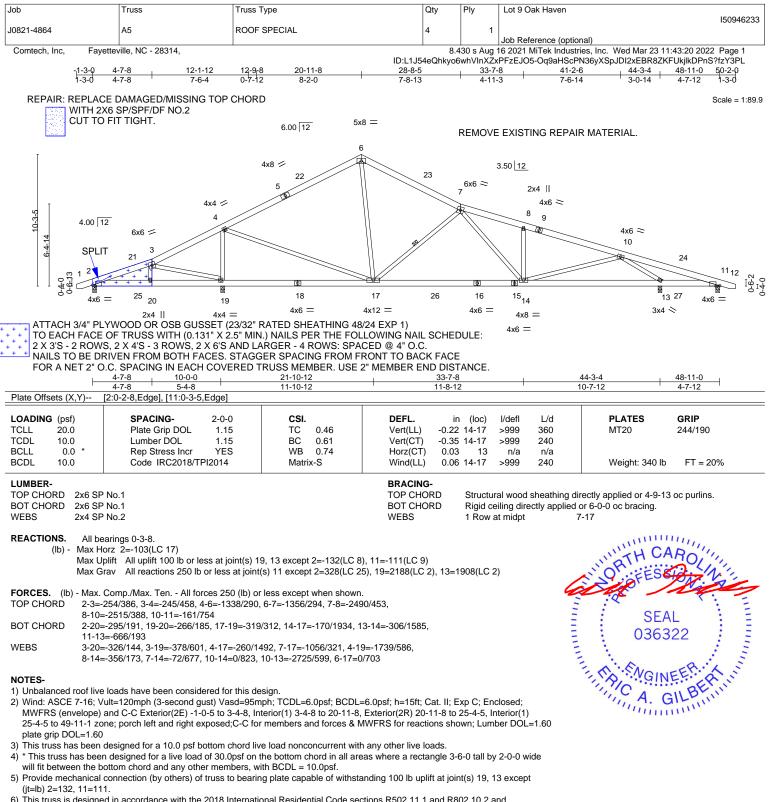
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property 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 MSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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818 Soundside Road Edenton, NC 27932

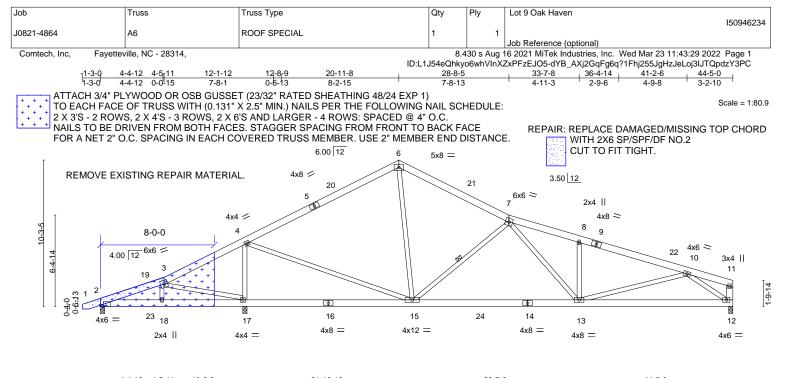


6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

March 24,2022

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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl	_/d PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.46	Vert(LL) -0.22 13-15 >999 3	60 MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.60	Vert(CT) -0.34 13-15 >999 2	40
BCLL 0.0 *	Rep Stress Incr YES	WB 0.76	Horz(CT) 0.04 12 n/a	n/a
BCDL 10.0	Code IRC2018/TPI2014	Matrix-S	Wind(LL) 0.06 13-15 >999 2	40 Weight: 317 lb FT = 20%

BOT CHORD

WEBS

1 Row at midpt

Rigid ceiling directly applied or 6-0-0 oc bracing.

7-15

REACTIONS. (size) 2=0-3-8, 17=0-3-8, 12=0-3-8 Max Horz 2=130(LC 12) Max Uplift 2=-124(LC 8), 17=-23(LC 9), 12=-38(LC 13) Max Grav 2=332(LC 25), 17=2189(LC 2), 12=1440(LC 2)

2x4 SP No.2 *Except*

11-12: 2x6 SP No.1

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

- TOP CHORD 2-3=-278/373, 3-4=-277/427, 4-6=-1365/280, 6-7=-1385/283, 7-8=-2600/451, 8-10=-2616/381 BOT CHORD 2-18=-348/215, 17-18=-318/209, 15-17=-292/274, 13-15=-222/1992, 12-13=-322/1710 WEBS 3-17=-392/611, 4-15=-276/1489, 7-15=-1097/319, 3-18=-325/144, 4-17=-1738/603,
 - 8-13=-389/189, 7-13=-83/744, 6-15=0/727, 10-13=0/784, 10-12=-1957/442

NOTES-

WFBS

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

- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-5 to 3-4-8, Interior(1) 3-4-8 to 20-11-8, Exterior(2R) 20-11-8 to 25-4-5, Interior(1) 25-4-5 to 44-2-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * 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, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 12 except (it=lb) 2=124.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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Job	Truss	ss Type	Qty	Ply	Lot 9 Oak Hav	en		
J0821-4864	A7 RO	OF SPECIAL GIRDER	1	1				150946235
	etteville, NC - 28314,		<u>ــــــــــــــــــــــــــــــــــــ</u>	30 s Aug	Job Reference		Wed Mar 23 11	43:31 2022 Page 1
Johnson, mo, r'dy	3-1-11		ID:L1J54eQhkyo6whVl					
-1-3-0 -3-0	2-4-12 2-10-11 9-0-15 2-4-12 0-5-15 5-11-4	12-1-12 15-0-4 3-0-13 2-10-8	20-11-8 24-9- 5-11-4 3-10	14 •6	28-8-5 3-10-6	33-4-9 4-8-5	38-0-14	39-9-4 1-8-6 0 6-4
	0-3-0 4" PLYWOOD OR OSB GUSSET	(23/32" RATED SHEATHIN	IG 48/24 EXP 1)					Scale = 1:73.5
+ + TO EACH F	ACE OF TRUSS WITH (0.131" X ROWS, 2 X 4'S - 3 ROWS, 2 X 6'S	2.5" MIN.) NAILS PER THE	FOLLOWING NAIL S	CHEDUL	E:			
L+_+_+ NAILS TO E	BE DRIVEN FROM BOTH FACES.	STAGGER SPACING FRO	OM FRONT TO BACK I				E DAMAGED/N (6 SP/SPF/DF I	
FOR A NET	Γ 2" O.C. SPACING IN EACH COV	ERED TRUSS MEMBER. U	JSE 2" MEMBER END	DISTAN	CE.		FIT TIGHT.	NU.2
		6.00 12 4x8 ≠						
		5			7 ^{6x}	6 🗢	3.50 12	
Ţ	4x8	-				_	2x4	
10-3-5	8-0-0					\sim	8	
								5x8 ≈ 9
4.00 12	6x6 =			Ì				
								3-0-5
		e d						
	S = 17 19	8 15 16	14		20	13	12	⊠ 10 11
	4x4 =	2x4 4x8 =	4x8 =			4x8 =	4x12 =	3x4
	3-1-11	REMOVE EXIS	TING REPAIR MATER	IAL.				40-3-8
F	2-4-12 2-10-11 7-7-11 10-0-0 2-4-12 0-5-15 4-6-1 2-4-5	21-10-12 11-10-12			33-9-4 11-10-8		<u>38-0-14</u> 4-3-10	<u>39-9-4</u> 1-8-6 0-6-4
Plate Offsets (X,Y)	0-3-0 [2:0-2-8,Edge], [3:0-1-0,0-3-0]							
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	(loc)	l/defl L/d		PLATES	GRIP
TCLL 20.0 TCDL 10.0	Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.54 BC 0.62	Vert(LL) -0.20	12-14 12-14	>999 360 >999 240		MT20	244/190
BCLL 0.0 *	Rep Stress Incr NO	WB 0.50	Horz(CT) 0.01	11	n/a n/a			
BCDL 10.0	Code IRC2018/TPI2014	Matrix-S	. ,	16-17	>999 240		Weight: 295 lb	FT = 20%
LUMBER- TOP CHORD 2x6 SP	9 No.1		BRACING- TOP CHORD	Structu	ral wood sheath	ing directly ar	oplied or 5-10-15	5 oc purlins.
BOT CHORD 2x6 SP WEBS 2x4 SP	' No.1		BOT CHORD	except	end verticals.	• • •		
			WEBS		eiling directly ap at midpt	7-14	oc bracing.	
	e) 2=0-3-8, 16=0-3-8, 11=0-3-8 orz 2=152(LC 8)							
	plift 2=-90(LC 4), 16=-60(LC 8), 11= rav 2=327(LC 21), 16=1976(LC 2),							
		, , ,						
TOP CHORD 2-3=-	Comp./Max. Ten All forces 250 (lb 342/89, 3-4=-409/138, 4-6=-1159/98							
	=-1216/51 =-87/300, 12-14=-11/1454							
WEBS 4-14=	=0/1207, 7-14=-667/139, 9-12=0/162 =-363/128, 4-17=-209/616, 6-14=0/54		/181,					
		*1						
NOTES- 1) Unbalanced roof live	e loads have been considered for this	design.						
	/ult=120mph (3-second gust) Vasd=9 ; porch left exposed; Lumber DOL=1		=6.0psf; h=15ft; Cat. II; E	xp C; En	closed;			
3) This truss has been	designed for a 10.0 psf bottom chord	I live load nonconcurrent with			0 0 0 · · ·			
/	n designed for a live load of 30.0psf ottom chord and any other members		as where a rectangle 3-	5-0 tall by	2-0-0 wide			11111
	connection (by others) of truss to be ed in accordance with the 2018 Interr					July Start	ATHUA	Routin
referenced standard	ANSI/TPI 1.					(E)	J. FESS	1 min
2-4-12 on top chord,	onnection device(s) shall be provide , and 13 lb down and 29 lb up at 2-4					A	x /	and the
the responsibility of (8) In the LOAD CASE(others. S) section, loads applied to the face	of the truss are noted as from	t (F) or back (B).			1	SEA	L 🕴 E
			· · · · · · · · · · · · · · · · · · ·				03632	22
, , ,	dard alanced): Lumber Increase=1.15, Pla	ate Increase=1.15				3	9	1 3
Uniform Loads (plf) Vert: 1-3=-6	60, 3-6=-60, 6-7=-60, 7-9=-60, 2-10≕	20				E.M.	NGINE	ERIA
Concentrated Loads Vert: 19=-2	s (lb)					14	CA C	IL BELIN
vent. 19=-2(111A. G	ininin
								24 2022

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