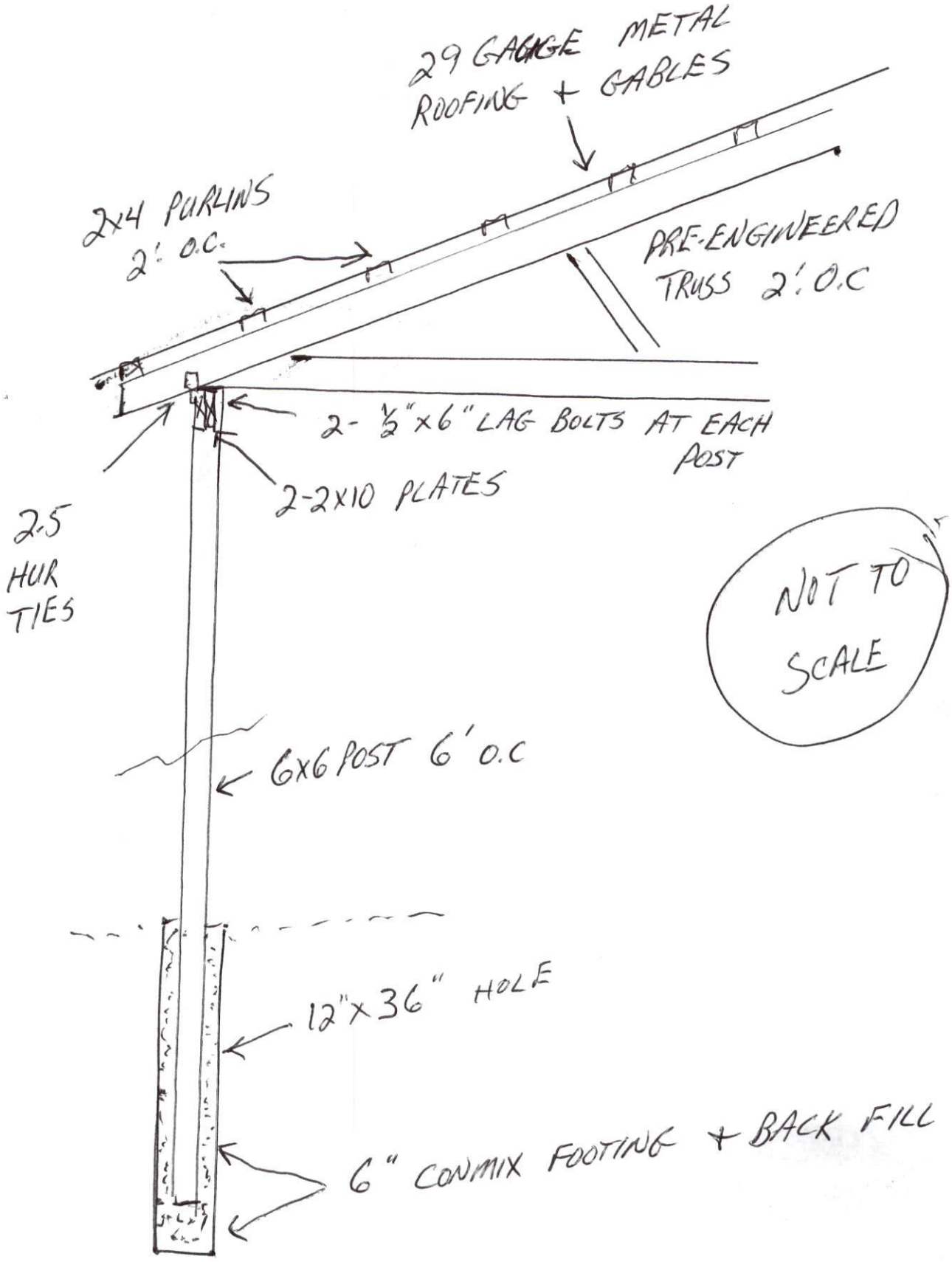
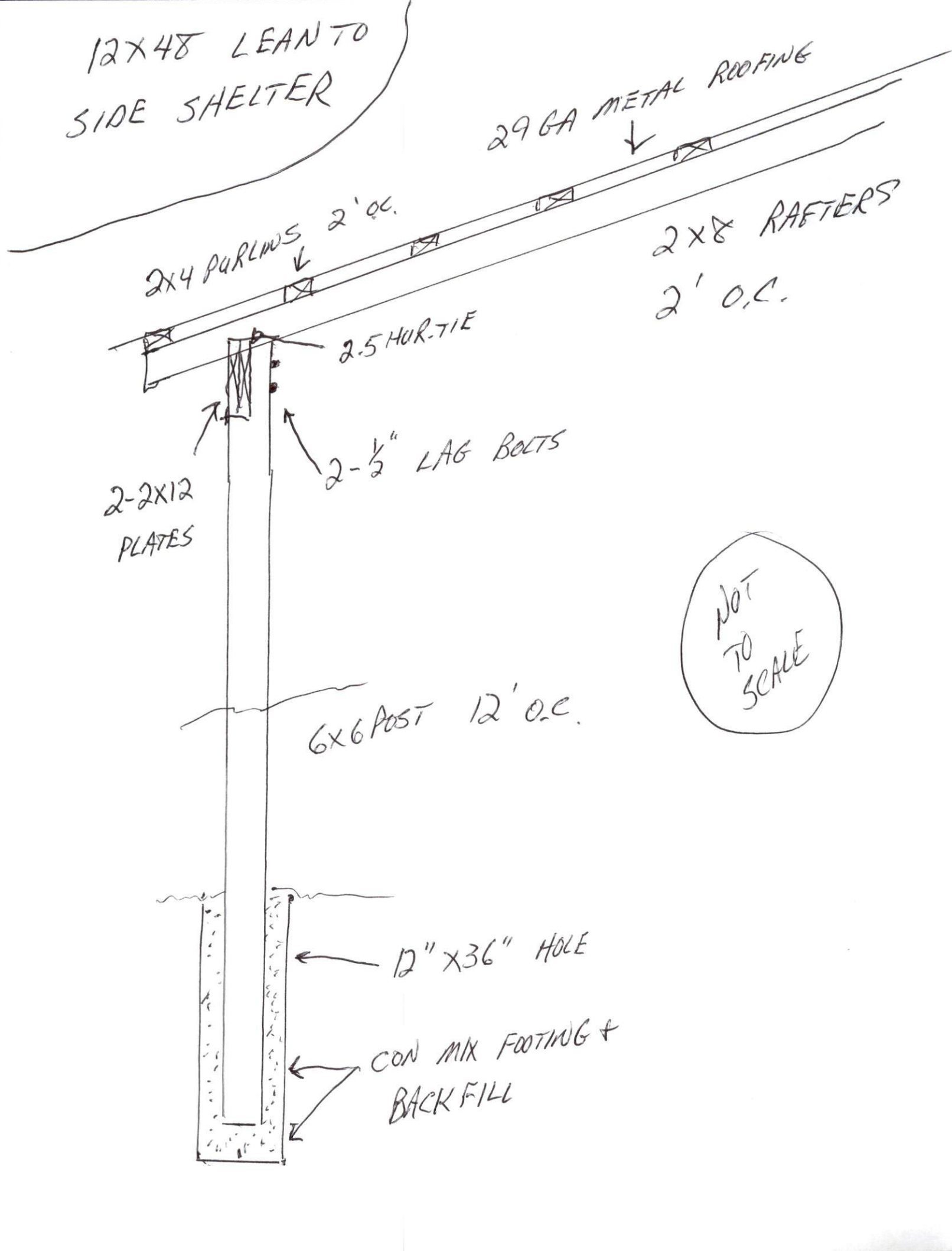
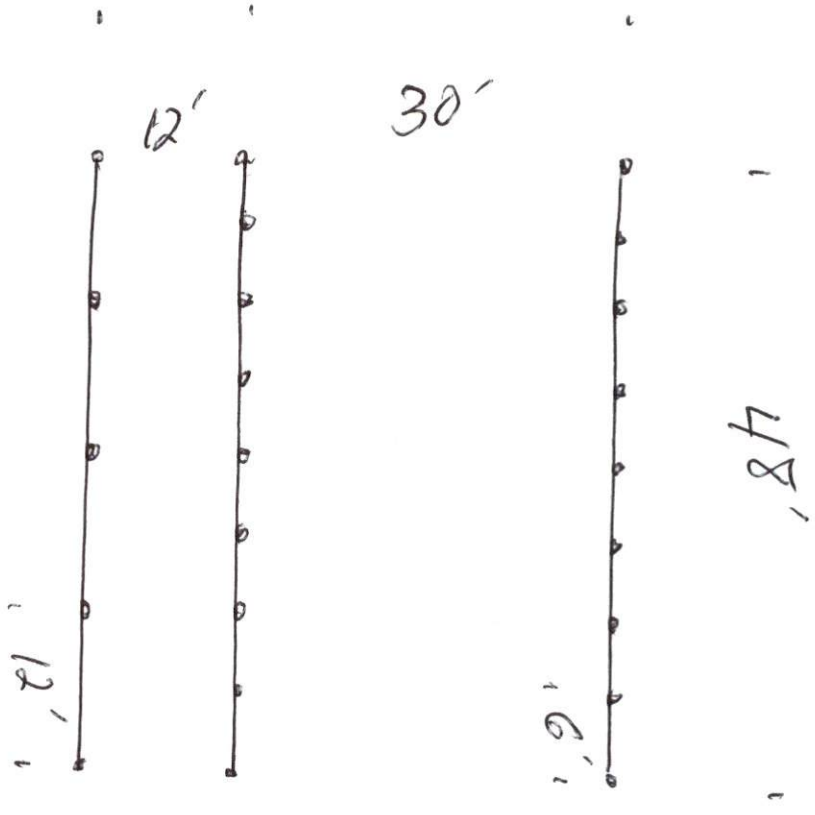
BUNN LEVEL RARITAN 30x48 OPEN SHELTER
W/ 12' LEAN TO
TOTAL 42 x 48



12X48 LEAN TO SIDE SHELTER





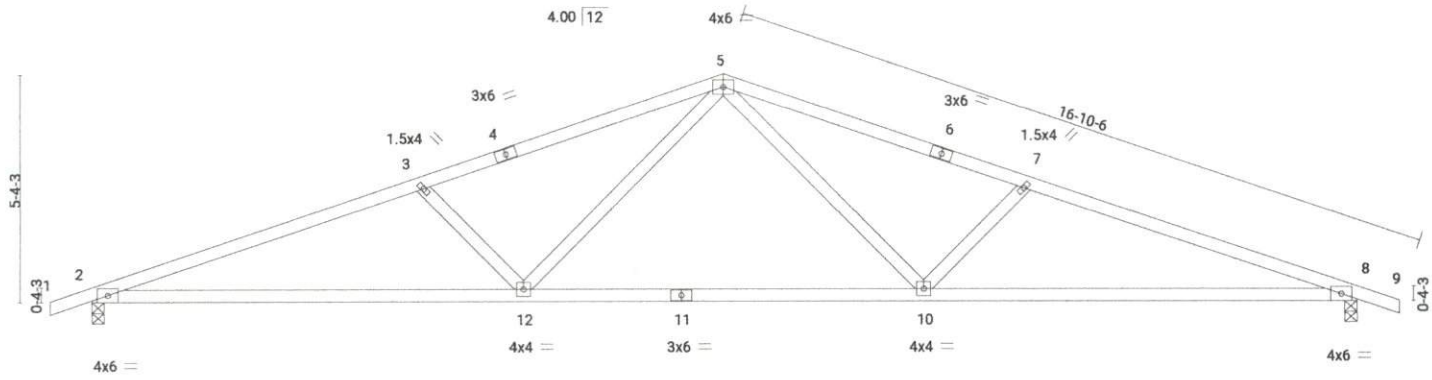
30'x48' OPEN SHELTER
WITH 12'x48' SIDE SHELTER

Job	Truss	Truss Type	Qty	Ply	David Johnson\Ruitan	I64064791
27876	TR1	FINK	25	1	Job Reference (optional)	

C&R Truss, Autryville, NC - 28318, 8.430 s Jan 6 2022 MiTek Industries, Inc. Wed Mar 6 08:31:20 2024 Page 1
ID:SAY23VIsonND83ylfSbpQ3y4CHX-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

1-0-0	7-10-8	15-0-0	22-1-8	30-0-0	31-0-0
1-0-0	7-10-8	7-1-8	7-1-8	7-10-8	1-0-0

Scale = 1:51.3



10-3-0	19-9-0	30-0-0
10-3-0	9-6-0	10-3-0

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.32	Vert(LL) -0.17 12-15 >999 360	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.45	Vert(CT) -0.40 12-15 >898 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(CT) 0.07 8 n/a n/a	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS	Wind(LL) 0.08 12-15 >999 240	Weight: 125 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-51(LC 6)
Max Grav 2=1260(LC 1), 8=1260(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2890/0, 3-5=-2552/0, 5-7=-2552/0, 7-8=-2890/0
BOT CHORD 2-12=0/2706, 10-12=0/1798, 8-10=0/2706
WEBS 3-12=-536/90, 5-12=0/826, 5-10=0/826, 7-10=-536/90

NOTES-
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=20ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) 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.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

March 6,2024

ENGINEERING BY TRENCO
818 Soundside Road
Edenton, NC 27932

ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 27876
David Johnson\Ruitan

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by C & R Truss.

Pages or sheets covered by this seal: I64064791 thru I64064791

My license renewal date for the state of North Carolina is December 31, 2024.

North Carolina COA: C-0844

March 6,2024

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.

3-17-77

ROSS + KENASAW

17TH