

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0123-0239 Lot 27R West Preserve

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: I61908698 thru I61908698

My license renewal date for the state of North Carolina is December 31, 2023.

North Carolina COA: C-0844



November 8,2023

## 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.

Job	Truss	Truss Type	Qty	Ply	Lot 27R West Preserve	•	164000000
0123-0239	F08	FLOOR GIRDER	1	2			161908698
Comtech, Inc,	Fayetteville, NC - 28314,				Job Reference (optional 6 2022 MiTek Industries		:41:34 2023 Page 1
-   <del>3x4<sup>-</sup>4_8</del> 1.5x3	Fayetteville, NC - 28314,	(OR EQUIVALENT) SPAC LOADS NOT SHOWN AS OPTIONAL BOTTOM CH PROVIDE: TWO SCREW I ONE SCREW I ONE SCREW I ONE SCREW I SCREWS SHALL BE INS	NECTED WITH 1 ROW O 2ED 24" ON CENTER IN E F/B FACE ARE CONSIDE ORD SCREWS SPACED ( IN VERTICAL 5-19,8-16 N EACH TOP CHORD ON N EACH TOP CHORD AT N EACH TOP CHORD AT N EACH TOP CHORD AT TALLED INTO THE SAME IPLIED AS PER MANUFAC	PF MITEK PR ACH TOP C RED EVENI 50" O.C. FOF I EACH SIDE JOINT 25, 2 SHT OF PLA PLY THAT	ncQyz41fz-RfC?PsB70Ho RO SERIES WS6 SCREWS HORD. Y APPLIED TO ALL PLIE R HANDLING C OF PLATE AT JOINT 3. 6 AND 27 TE AT JOINT 10. THE LOAD IS APPLIED TO	η3NSgPqnL8w3ulTXb S S. Ο U.N.Ο.	3x4 = 1.5x3    = 1.5x3 = 11    12    24
						•	H <sup>1</sup>
2× 4x8 =	21 20	19 18	17	16	15	14	$\mathbf{X}$
ale = 1:24.7	3x4 = 6x8 =	6x8 = 2x6	2x6	6x8 =		8 = 3x4 =	4x8 =
		9-0-8 9-0-8			14- 5-4		
Plate Offsets (X,Y)	[13:Edge,0-1-8], [15:0-3-	8,Edge], [17:0-3-0,0-0-0], [18:0-3-0,Edg	<u>e], [20:0-3-8,Edge], [22</u>	:Edge,0-1-8	3]		
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/T	2-0-0         CSI.           1.00         TC         0.30           1.00         BC         0.48           NO         WB         0.81           Pl2014         Matrix-S	Vert(LL) -0.1	26 17-18	l/defl L/d >903 480 >651 360 n/a n/a	PLATES MT20 M18AHS Weight: 220 lb	<b>GRIP</b> 244/190 186/179 FT = 20%F, 11%E
BOT CHORD 2x4 WEBS 2x4 3-20 <b>REACTIONS.</b> (	SP 2400F 2.0E(flat) SP 2400F 2.0E(flat) SP No.3(flat) *Except* ),10-15: 2x4 SP No.2(flat) size) 22=0-3-0, 13=0-3-0	4452/(-0-4)	BRACING- TOP CHORD BOT CHORD	except e	al wood sheathing dired and verticals. illing directly applied or		oc purlins,
FORCES. (Ib) - M TOP CHORD 12 8- BOT CHORD 20 15 WEBS 3-	-13=-255/0, 3-4=-9312/0, 4 9=-14837/0, 9-10=-9126/0 -22=0/5647, 19-20=0/1293( -16=0/12661, 13-15=0/5545 22=-6930/0, 3-20=0/4544, 4	rces 250 (lb) or less except when shown 5=-14910/0, 5-6=-14910/0, 6-7=-15908 0, 18-19=0/15908, 17-18=0/15908, 16-1	/0, 7-8=-14837/0, 7=0/15908, 0, 6-19=-1297/0,				
<ol> <li>Unbalanced floor</li> <li>All plates are MT</li> <li>Plates checked fr</li> <li>Recommend 2x6 Strongbacks to b</li> <li>Hanger(s) or othe down at 3-4-8, 1 at 13-4-8 on top</li> <li>In the LOAD CASE</li> <li>LOAD CASE(S) St</li> </ol>	live loads have been considered plates unless otherwise is or a plus or minus 1 degree strongbacks, on edge, space e attached to walls at their or er connection device(s) shall 026 lb down at 5-4-8, 971 lb chord. The design/selection SE(S) section, loads applied andard e (balanced): Lumber Increa	ndicated.	russ with 3-10d (0.131" ntrated load(s) 1026 lb , and 1026 lb down at ponsibility of others.	X 3") nails. down at 1-	4-8, 1026 lb 1027 lb down	SE 036	ARO



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

RENCO

