

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 2301487-06551 54 WOODGROVE

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I62278254 thru I62278255

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

North Carolina COA: C-0844



November 30,2023

## 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	54 WOODGROVE	
2301487-06551	B01G	Common Girder	1	3	Job Reference (optional)	162278254

84 Components (Dunn, NC), Dunn, NC - 28334

Scale = 1:46.6

Loading

TCDL

BCLL

BCDL

WEBS

WEBS

1)

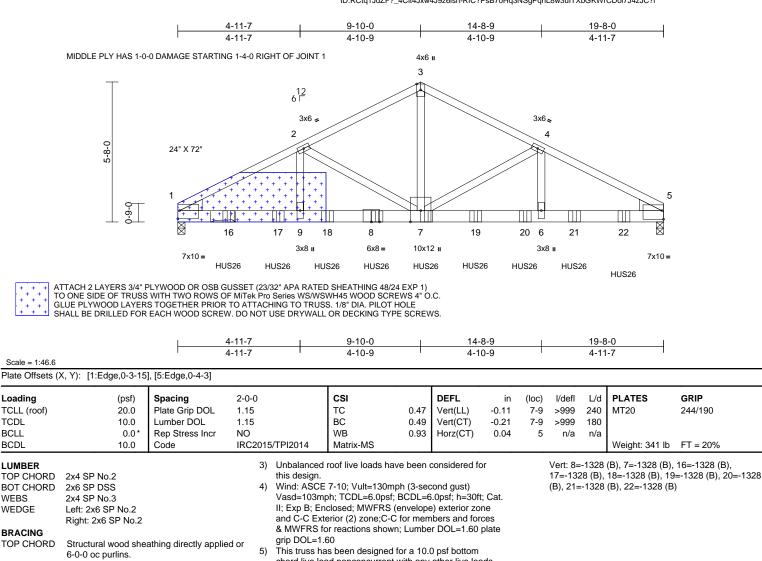
2)

oc.

TCLL (roof)

Run: 8 73 S. Nov 13 2023 Print: 8 730 S Nov 13 2023 MiTek Industries. Inc. Wed Nov 29 15:47:27 ID:RCtq1JdZF?\_4Clt4Jxw4J9z6lsn-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP DSS 2x4 SP No.3 WEDGE Left: 2x6 SP No.2 Right: 2x6 SP No.2 BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins chord live load nonconcurrent with any other live loads. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc 6) \* This truss has been designed for a live load of 20.0psf bracing. on the bottom chord in all areas where a rectangle **REACTIONS** (size) 1=0-3-8, 5=0-3-8 3-06-00 tall by 2-00-00 wide will fit between the bottom Max Horiz 1=82 (LC 32) chord and any other members. Max Uplift 1=-832 (LC 12), 5=-859 (LC 13) All bearings are assumed to be SP DSS . Max Grav 1=6655 (LC 1), 5=6871 (LC 1) TBE4 Simpson Strong-Tie connectors recommended to 8) FORCES (Ib) - Maximum Compression/Maximum connect truss to bearing walls due to UPLIFT at jt(s) 1. Tension This connection is for uplift only and does not consider 1-2=-10859/1526, 2-3=-7995/1175, TOP CHORD lateral forces. 3-4=-7998/1175, 4-5=-10777/1518 9) LGT3-SDS2.5 Simpson Strong-Tie connectors BOT CHORD 1-9=-1293/9622, 7-9=-1293/9622, recommended to connect truss to bearing walls due to 6-7=-1286/9566, 5-6=-1286/9566 UPLIFT at jt(s) 5. This connection is for uplift only and 3-7=-892/6750, 2-9=-278/2585, does not consider lateral forces. 2-7=-2925/477, 4-6=-268/2493, 10) This truss is designed in accordance with the 2015 4-7=-2860/469 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. NOTES 11) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d 3-ply truss to be connected together with 10d Truss) or equivalent spaced at 2-0-0 oc max, starting at (0.148"x3") nails as follows: 2-0-12 from the left end to 18-0-12 to connect truss(es) Top chords connected as follows: 2x4 - 1 row at 0-9-0 to back face of bottom chord. 12) Fill all nail holes where hanger is in contact with lumber. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc. 13) LGT3 Hurricane ties must have three studs in line below Web connected as follows: 2x4 - 1 row at 0-9-0 oc, the truss Except member 3-7 2x4 - 1 row at 0-8-0 oc. LOAD CASE(S) Standard All loads are considered equally applied to all plies, Dead + Roof Live (balanced): Lumber Increase=1.15, 1) except if noted as front (F) or back (B) face in the LOAD Plate Increase=1.15 CASE(S) section. Ply to ply connections have been Uniform Loads (lb/ft) provided to distribute only loads noted as (F) or (B) Vert: 1-3=-60, 3-5=-60, 10-13=-20 ss otherwise indicated. Concentrated Loads (lb) 🔺 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 bilding 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 BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

MILLIN ORT CONTRACTOR OF STREET MULLIUM, SEAL 036322 G (1111111) November 30,2023



Edenton, NC 27932

