

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

RE: 4156393 - Drees-Parkette-D-Lot 62	Tobacco Road	Trenco 818 Soundside Rd Edenton, NC 27932
Site Information: Project Customer: Drees Homes Project Lot/Block: 62 Address: 12 GRADING STICK COURT City: ANGIER	Name: Subdivision: TOBACCO ROAD State: NC	
Name Address and License # of Structu Name: Address: City, County:	ral Engineer of Record, If there is one License #: State:	e, for the building.
General Truss Engineering Criteria & De Loading Conditions): Design Code: IRC2015/TPI2014 Wind Code: ASCE 7-10 Wind Speed: 120 mph Roof Load: 40.0 psf This package includes 1 individual, dated T	Design Program: MiTek 20, Design Method: MWFRS (I Floor Load: N/A psf	/20 8.6 Envelope)/C-C hybrid Wind ASCE 7-10

No.	Seal#	Job ID#	Truss Nam	ne Date
1	169745938	4156393	B03	11/22/24

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource (Apex,NC).

Truss Design Engineer's Name: Gilbert, Eric

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

**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.



Gilbert, Eric

November 22,2024



RE: \$JOBNAME - \$JOBDESC

Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Project Customer: \$SI\_CUSTOMER Project Name: \$SI\_JOBNAME Lot/Block: \$SI\_LOTNUM Subdivision: \$SI\_SUBDIV Address: \$SI\_SITEADDR City, County: \$SI\_SITECITY State: \$SI\_SITESTATE

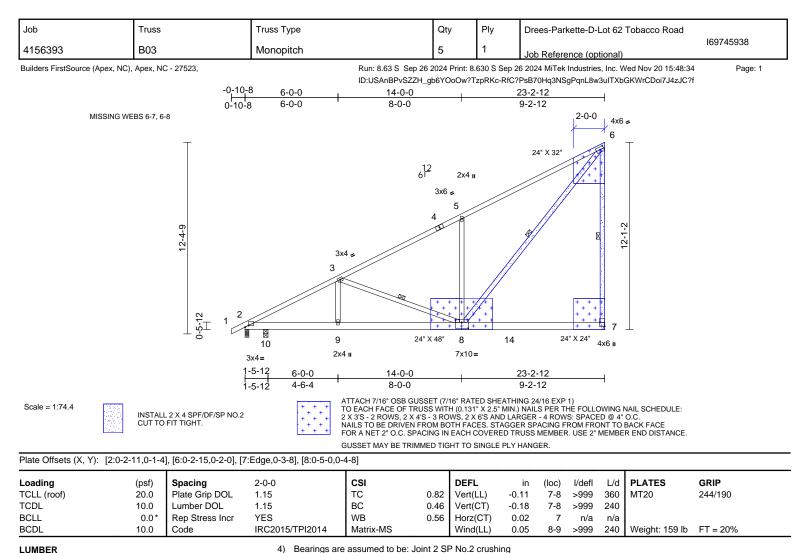


RE: \$JOBNAME - \$JOBDESC

Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Project Customer: \$SI\_CUSTOMER Project Name: \$SI\_JOBNAME Lot/Block: \$SI\_LOTNUM Subdivision: \$SI\_SUBDIV Address: \$SI\_SITEADDR City, County: \$SI\_SITECITY State: \$SI\_SITESTATE



capacity of 565 psi, Joint 10 SP No.2 crushing capacity

Provide mechanical connection (by others) of truss to

bearing plate capable of withstanding 155 lb uplift at

Refer to girder(s) for truss to truss connections.

joint 7 and 80 lb uplift at joint 10.

LOAD CASE(S) Standard

of 565 psi.

5)

6)

## LUMBER

LUWIDER			
TOP CHORD	2x4 SP No.1 *Except* 1-4:2x4 SP No.2		
BOT CHORD	2x6 SP No.2		
WEBS	2x4 SP No.3 *Except* 6-7:2x4 SP No.1,		
	8-6:2x4 SP No.2		
BRACING			
TOP CHORD	Structural wood sheathing directly applied,		
	except end verticals.		
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc		
	bracing.		
WEBS	1 Row at midpt 6-7, 3-8, 6-8		
REACTIONS	(size) 2=0-3-0, 7= Mechanical, 10=0-3-8		
	Max Horiz 2=404 (LC 11)		
	Max Uplift 7=-155 (LC 12), 10=-80 (LC 12)		
	Max Grav 2=607 (LC 1), 7=957 (LC 19),		
	10=393 (LC 1)		
FORCES	(lb) - Maximum Compression/Maximum		
	Tension		
TOP CHORD	1-2=0/23, 2-3=-1462/185, 3-5=-970/175,		
	5-6=-1007/363, 6-7=-821/326		
BOT CHORD	2-10=-459/1245, 9-10=-459/1245,		
	7-9=-459/1245		
WEBS	3-9=0/188, 3-8=-503/160, 5-8=-588/349,		
	6-8=-358/1239		
NOTES			

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle

06-00 tall by 2-00-00 wide will fit between the b

chord and any other members, with BCDL = 10.0psf. 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 that the operating of the second se and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)





Edenton, NC 27932

