

RE: 2505-6846-A - The Farm at Neill's Creek Lot 00 Site Information:	.0036 OWF Repair 818 Soundside Rd Edenton, NC 27932							
Project Customer: DRB Raleigh Project Name: The Lot/Block: Subdivisio Model:	Farm at Neill's Creek Lot 00.0036							
Address: 436 Peach Grove Way								
City: Lillington State: NC								
General Truss Engineering Criteria & Design Loads	(Individual Truss Design							
Drawings Show Special Loading Conditions):								
Design Code: IRC2021/TPI2014 Wind Code: ASCE 7-16	Design Program: MiTek 20/20 8.8 Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-16							
Wind Speed: 115 mph	Floor Load: N/A psf							
Roof Load: 50.0 psf								
Mean Roof Height (feet): 25	Exposure Category: C							
No. Seal# Truss Name Date 1 I73368644 2FGR1 5/14/25								

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

Truss Engineering Co. under my direct supervision based on the parameters provided by Structural, LLC. Truss Design Engineer's Name: Pace, Adam My license renewal date for the state of North Carolina is December 31, 2025 **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 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.



Pace, Adam

Job	Truss	т	russ Type		Qty	Ply	T	he Farm	at Neill's	Creek	Lot 00.0036 O	NF Repair I73368	3644
2505-6846-	A 2FGR1	F	loor Girder		1	2	J	ob Refere	ence (op	tional)		11 3 3 00	7077
Structural, LLC,	Thurmont, MD - 21788,			Run: 8.83 S Apr			•				•		Page: 1
				ID:fXV4uukYsnKI	JadaiRhxr7i	MZZ1PM-RIC	PSB70	назиздро	qnL8w3ui	IXDGK	WICDOI/J4ZJC?f		
	0-1-8 ∦				0-7-0	0-8	-8					0-1-8 ∦	
				25	-8-0								
EPAIR: DD BLOCKING			TES AT JOINT 3 TO REM		2	-0-0	4x4 =					1.5x3 =	1
S SHOWN	1.5x3 I					3x6 F 1.5x3			1.5	x3 II		1.5x3 🛚	
	$1.5x^3 = 6x^6 =$	4x4= 1.5x3	3X3 = 3X0 =		4x4=		11		<3=		x3= 3x4	40	
0-3-9		5 3/46 4 4	175486	49 7 5	08 //1	51 910) Tal	52 1:	2 53 13 5 	3 54 1	4 55 15	56 16	-T
Ō	1-6-0	+ + + + + + + + + + + + + + + + + + + +		\langle / \rangle			\sim						1-6-0
		19 <u>34</u> 28	35 27 36 26 3	37 25 24	₩ <u> </u>	39 21	40	逆 20 4	1 19	<u>7</u>) 4	2 18 43		
	4x6 = 6x6 =		6= 3x3=	3x3 =	38	4x4 =		3x3=		6=	3x4 =	3x6=	
	,	2-8-0	1.5x3	MT20HS 3x12 F	4 ₽ x4 = 1.5x3 ∎								
		200			1.585 1								
	INSTALL 8X2 (RIPPED T SP NO.2 BLOCKING AS		+ + ONE S	H 3/4" PLYWOOD (DE OF TRUSS WIT	TH ONE RC	OW OF (0.13	1" X 2.5	") NAILS S	SPACED	2" O.C.	FROM		
<u>N</u>		LS MUST HAVE		FACE INTO EACH (RUCTION QUALIT									
	TRUSS AND E	BLOCKING PER ER SPECIFICATION.			44.0	15-8-8							
			<u>13-8-8</u> 13-8-8		14-8	-8				- <u>8-0</u> 11-8			
Scale = 1:49.8			13-0-0		1-0-	0 1-0-0			9-	11-0			
late Offsets (X, Y): [8:0-1-8,Edge], [21:0	-1-8,Edge]											
oading		•	-4-0	CSI		DEFL	in	· · ·	l/defl	L/d	PLATES	GRIP	
FCLL FCDL			.00 .00	TC BC		/ert(LL) /ert(CT)	-0.44 -0.60		>699 >507	480 360	MT20HS MT20	187/143 244/190	
BCLL BCDL	0.0 Rep 5.0 Coo		IO RC2021/TPI2014	WB Matrix-S	0.78 H	Horz(CT)	0.09	17	n/a	n/a	Weight: 282 lb	FT - 20	%F, 12%E
	3.0 000	10 II.	1) Fasten trusse				r				Weight. 202 lb	11 = 20	/01,12/0∟
TOP CHORD	2x4 SP SS(flat) *Except* 2	10-16:2x4 SP No.2	standard indu	stry detail, or load			•						
BOT CHORD	(flat) 2x4 SP SS(flat)		,	oor live loads hav	e been co	nsidered fo	or						
NEBS OTHERS	2x4 SP No.3(flat) 2x4 SP No.3(flat)		this design. 3) All plates are	MT20 plates unle	ss otherwi	se indicate	d.						
		directly applied as	lood of 250 OI	been designed for b live and 3.0lb de		•							
TOP CHORD	Structural wood sheathing 6-0-0 oc purlins, except e	end verticals.	panels and at	all panel points a , nonconcurrent w	long the T	op Chord a	and						
BOT CHORD	Rigid ceiling directly applie bracing.	ed or 10-0-0 oc	5) Recommend	2x6 strongbacks,	on edge, s	spaced at							
REACTIONS	(size) 17=0-3-8, 30=0 Max Grav 17=1230 (LC 1)		(0.131" X 3") I	nd fastened to ea nails. Strongback	s to be att	ached to w	alls						
ORCES	(lb) - Maximum Compress			ends or restrained Strong-Tie THA4			der)						
TOP CHORD	Tension 1-30=-258/38, 16-17=-258			at 4-1-4 from the l ice of top chord.	eft end to	connect tru	JSS						
	2-3=-4772/0, 3-4=-7226/0 5-6=-7498/0, 6-7=-7441/0		,	es where hanger i CASE(S) section,									
	8-9=-6556/0, 9-11=-6556/ 12-13=-3936/0, 13-14=-39		of the truss ar	e noted as front (I			acc						
	14-15=-2151/0, 15-16=-12	2/2	LOAD CASE(S) 1) Dead + Floo	Standard r Live (balanced):	Lumber Ir	ncrease=1.0	00,						
BOT CHORD	26-27=0/7548, 25-26=0/7	548, 23-25=0/7345	, Uniform Loa								annin C	111111	0
	22-23=0/6556, 21-22=0/6 19-20=0/4708, 18-19=0/3		Vert: 17-3	0=-7, 1-16=-67						K	BILL	ROL	111
VEBS	8-22=-829/13, 9-21=-816/ 2-29=0/3268, 3-29=-3246		Concentrate Vert: 3=-1	. ,						Fi	PLOFED?	ON	Nº -
	4-28=-256/69, 5-28=-403/	21, 5-27=-63/266,								C	ang C	ny	
	6-27=-253/169, 6-26=-70/ 6-25=-295/228, 7-25=-160	0/272,									SEA	L	1 1
	7-23=-734/98, 8-23=-32/1 15-17=-1692/0, 15-18=0/1								Ξ		0578	87	1 3
	14-18=-1402/0, 14-19=0/1 13-19=-252/68, 12-19=-11	1219,	4.										
	11-20=-1070/0, 11-21=0/1		-,							11	SEA 0578 NGIN ADAM	EEH	and the
IOTES										1	DAM	PACE	111
											· · · · · · · ·	mm	-
											Mo	v 14.202	05

May 14,2025

TRENCO AMITEK Affiliate

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 outlapse 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/TP11 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)

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