

Kempsville Sanford Component Plant 298 Harvey Faulk Rd Sanford, NC 27332

Phone #:919-775-1450

Builder: DRB HOMES NC

Model: DEVON 2 - 87 FaNC

THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.

2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.

3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.

4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.

5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.

6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.

7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death.

* FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS.	** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.	
Truss Drawing Left		
	41' 0" PB2 PB1 PB1 PB1 PB1	A04 IO' O" A04 IO' O" A01 IO' O"



**

REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS.

** GIRDERS MUST BE FULLY CONNECT	ED TOGETHER PRIOR TO ADDING ANY LOADS.	IMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.	S TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE.			
Date:	DRB HOMES NC		THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for	00/00/00	00/00/	00/00/
NTS 10/5/2022 Designer: ND Project Number: 22090052 Sheet Number:	DEVON 2 - 87 FaNC	Enpsylle Building Materials	systems and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of		00	Revision
	COMPONENT PLACEMENT PLAN	A Division of the Certer Lumber Company	"Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179	Name Name	Vame	lame



Trenco 818 Soundside Rd Edenton, NC 27932

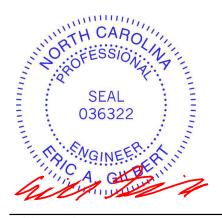
Re: 22090052 DRB HOMES = 87 FaNC

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I54568426 thru I54568437

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



October 6,2022

Gilbert, Eric

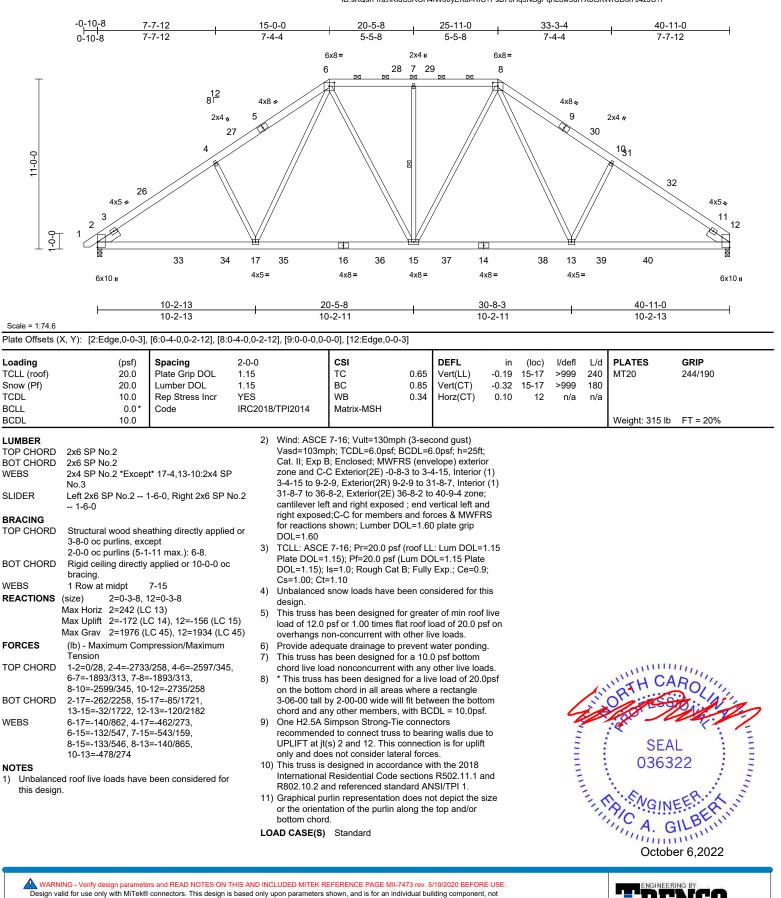
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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	DRB HOMES = 87 FaNC	
22090052	A01	Piggyback Base	10	1	Job Reference (optional)	154568426

Run: 8.53 S Sep 22 2022 Print: 8.530 S Sep 22 2022 MiTek Industries, Inc. Wed Oct 05 11:38:22 ID:sKQsrFmzhKldS3ROH4IW00yEKdi-RfC?PsB70Hq3NSqPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

818 Soundside Road Edenton, NC 27932



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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	A02	Piggyback Base	7	1	Job Reference (optional)	154568427

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

15=-212 (LC 15)

15=1886 (LC 49)

(Ib) - Maximum Compression/Maximum

1-2=0/28, 2-4=-2574/172, 4-6=-2420/252,

2-21=-186/2137, 19-21=-70/1657,

15-16=-76/1621, 13-15=-477/1305

6-19=-23/378, 19-22=0/495, 7-22=0/509,

9-23=-17/243, 16-23=-29/233, 11-16=0/424,

23-24=-12/14, 17-24=0/29, 7-9=-1864/169

17-19=-6/1697, 16-17=-6/1697,

6-21=-158/870, 4-21=-466/273,

11-15=-1943/119, 22-24=-12/14,

6-7=-1770/145, 7-8=-231/133, 8-9=-322/94,

9-11=-2106/69, 11-13=-1574/605, 13-14=0/28

Tension

Max Grav 2=1881 (LC 5), 13=1184 (LC 52),

Run: 8.53 S Sep 22 2022 Print: 8.530 S Sep 22 2022 MiTek Industries, Inc. Wed Oct 05 11:38:24 ID:Z2hxjd1mnUfgg9L2u?c3IFyEKYC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

					iD:Z2nxja imnu	JIGGALSU.co	SIFYER I G-RIG?	PSB/UHq3i	NSgPqnLa	W3UI XDG	KWIGD01/J4ZJC?I	
	-0-10-8	7-6-1	15-0		23-	5-0	25-11-0	28-5-0	33-	4-15	40-11-0	41-9-8
	0-10-8	7-6-1	7-5-	15	8-5	-0	2-6-0	2-6-0	4-1	1-15	7-6-1	0-10-8
11-0-0		8 ¹ 2	2 x4 v 5 34	6x8= 6		5 3637 38	7	x8= 8 4x	x6 x 9 4x8	0 、39	4x5 °	
t.	4x5	33						8) 24	2			40 4x5 12 13 14
	×	41	42 21		0 44	19	45 18 1				[⊠] 15 47	. 🛛
	5x10 u		4x5=	4	x8=	4x5=	4x8=	:	2x4	!=	2x4 🔊	5x8 II
Scale = 1:79.5	ŀ	<u>10-2-13</u> 10-2-13		<u>20-5-</u> 10-2-		2x4=		x4 x4 30-{ 4-9	8-3		4 6-9-4 36-9-10 6-1-1 0-0-6 4	0-11-0 4-1-6
Plate Offsets	(X, Y): [2:0-3-12,0-0)-9], [6:0-4-0,0-2-12],	[8:0-4-0,0-2-1	3], [13:Edge,0-0	-3]							
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr * Code	2-0-0 1.15 1.15 YES IRC2018/7	T B W		0.86 0.80 0.49	DEFL Vert(LL) Vert(CT) Horz(CT)		19-21	>999 2 >999 1	/d PLATES 40 MT20 80 n/a Weight: 329	GRIP 244/190 lb FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD	No.2 Left 2x6 SP No.2 1-6-0	ept* 21-6,19-6,19-7: 1-6-0, Right 2x6 S heathing directly app	2) 2x4 SP P No.2	Unbalanced roo his design. Wind: ASCE 7-1 Vasd=103mph; Cat. II; Exp B; E zone and C-C 3-0-2 to 9-9-6, E 20-2-10 to 20-8- nterior (1) 31-1-	6; Vult=130r TCDL=6.0ps nclosed; MW xterior(2E) -(Exterior(2R) 9 6, Exterior(2	mph (3-sec f; BCDL=6 /FRS (envo)-8-3 to 3-0)-9-6 to 20- R) 20-8-6	cond gust) .0psf; h=25ft; elope) exterio 0-2, Interior (1 -2-10, Interior to 31-1-10,	1 r) (1) L	Interr R802 (2) Grap or the botto	ational R .10.2 and nical purli orientati m chord.	Residential Code so I referenced stand in representation c	ance with the 2018 ections R502.11.1 and ard ANSI/TPI 1. loes not depict the size ong the top and/or
BOT CHORD	3-9-3 oc purlins, e 2-0-0 oc purlins (2 Rigid ceiling direc bracing, Except: 6-0-0 oc bracing:	except 2-10-13 max.): 6-8. ttly applied or 10-0-0 13-15.	oc 3)	41-7-3 zone; car vertical left and for members an _umber DOL=1. TCLL: ASCE 7- Plate DOL=1.15	ntilever left a right exposed d forces & M 60 plate grip 16; Pr=20.0 p	nd right ex d; porch rig WFRS for DOL=1.60 psf (roof LL	posed ; end ght exposed;C reactions sho) .: Lum DOL=	C-C wn; 1.15				
WEBS	1 Row at midpt	6-19, 9-16, 11-15 7-9	, 22-23,	DOL=1.15); ls=1	1.0; Rough C							
REACTIONS	Max Horiz 2=247 Max Uplift 2=-115	8, 13=0-3-8, 15=0-3-	⁸ 4)	Cs=1.00; Ct=1.1 Unbalanced sno design. This truss has b	w loads hav							

5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 6) 200.0lb AC unit load placed on the bottom chord,

- 25-11-0 from left end, supported at two points, 5-0-0 apart.
- Provide adequate drainage to prevent water ponding. 7)

8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

10) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 15, and 13. This connection is for uplift only and does not consider lateral forces.

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818 Soundside Road Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

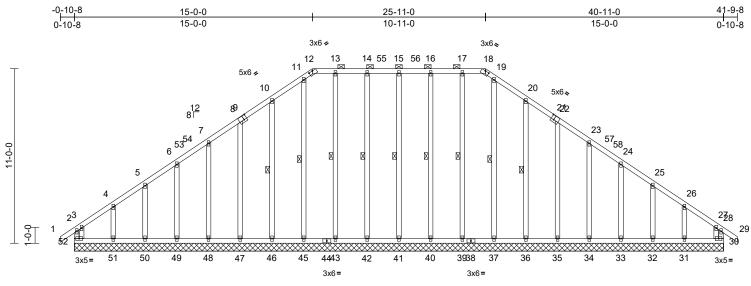
Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	A03	Piggyback Base Supported Gable	1	1	Job Reference (optional)	154568428

Run: 8.53 S Sep 22 2022 Print: 8.530 S Sep 22 2022 MiTek Industries, Inc. Wed Oct 05 11:38:25 ID:Gnt?WUm0QEK0VXWmzJCNG6yEKXF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

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October 6,2022

818 Soundside Road Edenton, NC 27932



40-11-0

Scale = 1:72.6

		-
Plate Offsets (X, Y):	[9:0-2-4 0-3-4] [12:0-3-0 0-0-2] [18:0-3-0 0-0-2] [21:0-2-4 0-3-4]	

							······				[
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	1-11-4 1.15	CSI TC	0.16	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a		PLATES MT20	GRIP 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	30	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-	MR							
BCDL	10.0										Weight: 343 I	b FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.3 *Exc 41-15,42-14,43-13 2x4 SP No.2 *Exc 41-15,42-14,43-13 2x4 SP No.2 ************************************	,45-11,40-16,39-17,37- neathing directly applied	d or Id	Max Grav	$\begin{array}{c} 30 = -50 \ (LC \ 11), \\ 32 = -33 \ (LC \ 15), \\ 34 = -55 \ (LC \ 15), \\ 40 = -30 \ (LC \ 10), \\ 42 = -30 \ (LC \ 10), \\ 42 = -30 \ (LC \ 10), \\ 48 = -52 \ (LC \ 14), \\ 50 = -128 \ (LC \ 14), \\ 52 = -104 \ (LC \ 10), \\ 32 = 153 \ (LC \ 24), \\ 34 = 229 \ (LC \ 43), \\ 39 = 214 \ (LC \ 38), \\ 41 = 218 \ (LC \ 38), \\ 48 = 229 \ (LC \ 41), \\ 48 = 223 \ (LC \ 41), \\ 52 = 229 \ (LC \ 25), \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	33=-62 (LC 35=-54 (LC 39=-14 (LC 41=-24 (LC 43=-15 (LC 47=-54 (LC 47=-54 (LC 47=-54 (LC 47=-54 (LC 31=221 (LC 33=171 (LC 37=185 (LC 40=220 (LC 40=220 (LC 47=223 (LC 51=243 (LC	15), 15), 15), 11), 11), 11), 14), 14), C 49), C 43), C 43), C 43), C 43), C 38), C 38), C 38), C 38), C 34), C 47), C 47),	BOT CH WEBS		49-50 47-48 45-46 42-43 40-41 37-39 35-36 33-34 31-32 15-41 13-43 10-46 6-49= 3-52= 17-39 20-36 23-34 25-32	,	49=-109/135, 47=-109/135, 42=-109/135, 42=-109/135, 37=-109/135, 37=-109/135, 33=-109/135, 33=-109/135, 31=-109/135, 31=-109/135, 31=-109/135, 5=-157/19, =-184/78, 7-48=-184/' -116/63, 4-51=-175/1- 0=-181/58, 7=-146/7, 5=-184/77, 3=-132/83,
	43=40- 46=40- 48=40-		TOP CHORD	Tension 2-52=-17 3-4=-202 6-7=-121 10-11=-1 12-13=-1 16-17=-1 18-19=-1 20-22=-1 23-24=-9	4/160, 1-2=0/33, 1 /190, 4-5=-147/13 /159, 7-8=-122/19 90/297, 11-12=-1 64/270, 13-14=-1 64/270, 15-16=-1 64/270, 17-18=-1 67/253, 19-20=-1 52/233, 22-23=-1 1127, 24-25=-85 43/119, 27-28=-2	2-3=-24/53, 7, 5-6=-139 11, 8-10=-15 67/253, 64/270, 64/270, 64/270, 90/297, 22/181, '93, 25-26=-	9/141, 52/233, •91/80,			2 Martin Charles	SE 036 SE 036	ARO AL 322 VEER.H.

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	A03	Piggyback Base Supported Gable		1	Job Reference (optional)	154568428

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 3-2-10, Exterior (2N) 3-2-10 to 10-10-14, Corner(3R) 10-10-14 to 19-1-2, Exterior(2N) 19-1-2 to 21-9-14, Corner(3R) 21-9-14 to 30-0-2, Exterior(2N) 30-0-2 to 37-8-6, Corner(3E) 37-8-6 to 41-9-8 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.
- 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).11) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 13) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 52, 50 lb uplift at joint 30, 24 lb uplift at joint 41, 30 lb uplift at joint 42, 15 lb uplift at joint 43, 74 lb uplift at joint 46, 54 lb uplift at joint 47, 55 lb uplift at joint 48, 63 lb uplift at joint 49, 28 lb uplift at joint 50, 152 lb uplift at joint 51, 30 lb uplift at joint 40, 14 lb uplift at joint 39, 76 lb uplift at joint 36 lb uplift at joint 35, 55 lb uplift at joint 34, 62 lb uplift at joint 33, 33 lb uplift at joint 32 and 136 lb uplift at joint 31.
- 15) 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.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 property 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 <u>ANSI/TPH Quality Criteria</u>, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



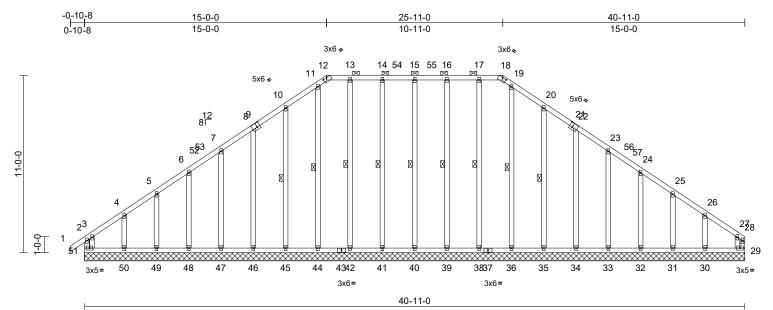
Run: 8.53 S Sep 22 2022 Print: 8.530 S Sep 22 2022 MiTek Industries, Inc. Wed Oct 05 11:38:25 ID:Gnt?WUm0QEK0VXWmzJCNG6yEKXF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	A04	Piggyback Base Supported Gable	1	1	Job Reference (optional)	154568429

Run: 8.53 S Sep 22 2022 Print: 8.530 S Sep 22 2022 MiTek Industries, Inc. Wed Oct 05 11:38:26 ID:vwN7V4GFd7jcdU1xiHzIEyyEKZB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:71.4

Plate Offsets (X, Y):	[9:0-2-4,0-3-4], [12:0-3-0,0-0-2], [18:0-3-0,0-0-2], [21:0-2-4,0-3-4]	1

	X, Y): [9:0-2-4	i,0-3-4],	[12:0-3-0,0-0-2], [18	3:0-3-0,0-0-2], [21:0-2-	4,0-3-4									
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	:	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CS TC BC WE Ma		0.17 0.09 0.21	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.01	(loc) - - 29	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 341 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 40-15,41-14,4 2x4 SP No.2 Structural wo 6-0-0 oc purli 2-0-0 oc purli	*Excep 42-13,4 bod sheatins, exa ins (6-0 directly dpt	t* 4-11,39-16,38-17,34 athing directly applic cept end verticals, a -0 max.): 12-18. applied or 10-0-0 or 15-40, 14-41, 13-42 11-44, 10-45, 16-35	ed or nd c		31=-33 33=-57 35=-78 39=-31 41=-31 45=-76 47=-57 49=-29 51=-10 rav 29=14{ 31=152 35=23 38=220	(LC 15), (LC 15), (LC 15), (LC 10), (LC 10), (LC 10), (LC 14), (LC 14), (LC 14), (LC 14), (LC 14), (LC 14), 2 (LC 24) 2 (LC 22) 2 (LC 22) 2 (LC 43) 7 (LC 43)	, 30=245 (LC , 32=178 (LC , 34=230 (LC , 36=186 (LC , 39=227 (LC	15), 15), 11), 11), 11), 11), 14), 14), 2 14), 2 14), 4 43), 4 43), 5 51), 38),	BOT CH	iord	48-49 46-47 44-45 39-40 36-38 34-35 32-33 30-31 15-40 13-42 10-45 7-47=	=-106/127, 49-5 =-106/127, 47-4 =-106/127, 45-4 =-106/127, 42-4 =-106/127, 38-3 =-106/127, 35-3 =-106/127, 31-3 =-106/127, 31-3 =-106/127, 29-3 =-185/49, 14-41 =-180/40, 11-44 =-195/100, 8-46 =-185/81, 6-48=- 178/154, 3-51=	8=-106/127, 6=-106/127, 4=-106/127, 9=-106/127, 6=-106/127, 4=-106/127, 4=-106/127, 2=-106/127, 0=-106/127, 0=-106/127, =-187/60, =-158/21, ==-158/80, 134/87, 5-49=-121/65,
REACTIONS	31 33 35 38 40 42 45 47 49	=40-11 =40-11 =40-11 =40-11 =40-11 =40-11 =40-11 =40-11 =40-11 =40-11 =40-11	$\begin{array}{c} 17-38, 19-36, 20-38\\ -0, 30=40-11-0, \\ -0, 32=40-11-0, \\ -0, 36=40-11-0, \\ -0, 36=40-11-0, \\ -0, 39=40-11-0, \\ -0, 41=40-11-0, \\ -0, 44=40-11-0, \\ -0, 46=40-11-0, \\ -0, 50=40-11-0, \\ -0, 50=40-11-0, \\ -0 \end{array}$		Tens 2-51= 3-4=- 6-7=- 10-1 12-1 12-1 14-1 16-1 18-1 20-2 23-2 23-2 25-26	42=220 45=235 47=225 51=242 Maximum C on 174/169, 1- 211/191, 4-5) (LC 38) 5 (LC 41) 5 (LC 41) 9 (LC 1), 2 (LC 25) 0 ompressi -2=0/34, 5=-153/13 3=-130/19 11-12=-1 13-14=-1 15-16=-1 17-18=-1 19-202 22-23=-1 4-25=-96 6-27=-15	on/Maximum 2-3=-25/55, 38, 5-6=-146/ 32, 8-10=-16' 76/255, 73/272, 73/272, 73/272, 73/272, 01/299, 30/179, /93, 4/123,	53), 41), 47), 47), 47),	NOTES	4	19-36 22-34 24-32 26-30	=-187/60, 17-38 =-146/9, 20-35 =-190/80, 23-33 =-137/86, 25-31 =-178/145, 27-2 OFFES SEA 0363	197/102, =-190/81, =-116/64,

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 design rmust 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



October 6,2022

Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	154568429	
22090052	A04	Piggyback Base Supported Gable	1	1	Job Reference (optional)	154568429	

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 3-2-10, Exterior (2N) 3-2-10 to 10-10-14, Corner(3R) 10-10-14 to 19-1-2, Exterior(2N) 19-1-2 to 21-9-14, Corner(3R) 21-9-14 to 30-0-2, Exterior(2N) 30-0-2 to 36-5-8, Corner(3E) 36-5-8 to 40-9-4 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.
- 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).11) Gable studs spaced at 2-0-0 oc.
- 12) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 13) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 51, 53 lb uplift at joint 29, 25 lb uplift at joint 40, 31 lb uplift at joint 41, 16 lb uplift at joint 42, 76 lb uplift at joint 45, 56 lb uplift at joint 46, 57 lb uplift at joint 47, 65 lb uplift at joint 48, 29 lb uplift at joint 49, 158 lb uplift at joint 50, 31 lb uplift at joint 39, 15 lb uplift at joint 38, 78 lb uplift at joint 32, 35 lb uplift at joint 34, 57 lb uplift at joint 33, 64 lb uplift at joint 32, 33 lb uplift at joint 31 and 144 lb uplift at joint 30.
- 15) 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.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

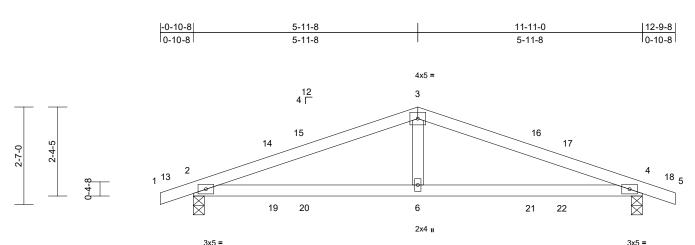
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to preven tbuckling 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 sand truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



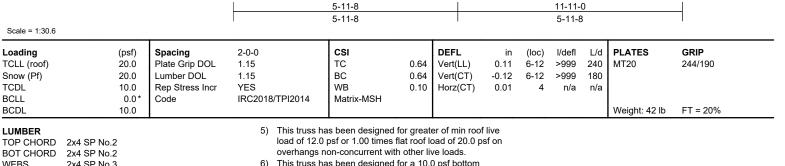
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Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	B01	Common	4	1	Job Reference (optional)	154568430

Run: 8.53 S Sep 22 2022 Print: 8.530 S Sep 22 2022 MiTek Industries, Inc. Wed Oct 05 11:38:27 ID:ViNcVWSOk0U17Vs?5oXPIfzCIIw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



3x5 =



BOT CHORD	2x4 SP N	o.2						
WEBS	2x4 SP N	o.3						
BRACING								
TOP CHORD	Structural	wood sheathing directly applied or						
	4-7-10 oc	4-7-10 oc purlins.						
BOT CHORD	Rigid ceili	ing directly applied or 5-3-1 oc						
	bracing.							
REACTIONS	(size)	2=0-3-8, 4=0-3-8						
	Max Horiz	2=-36 (LC 15)						
	Max Uplift	2=-193 (LC 10), 4=-193 (LC 11)						
	Max Grav	2=635 (LC 21), 4=635 (LC 22)						
FORCES	(lb) - Max	imum Compression/Maximum						
	Tension							
TOP CHORD	1-2=0/22,	2-3=-907/1253, 3-4=-907/1253,						
	4-5=0/22							

2-6=-1096/791, 4-6=-1096/791

BOT CHORD

WFBS

NOTES

- This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- 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. LOAD CASE(S) Standard

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Page: 1

818 Soundside Road Edenton, NC 27932

Unbalanced roof live loads have been considered for 1) this design

3-6=-473/269

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 2-11-8, Exterior(2R) 2-11-8 to 8-11-8, Interior (1) 8-11-8 to 9-9-8, Exterior(2E) 9-9-8 to 12-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 3) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.

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Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	B02	Common Supported Gable	1	1	Job Reference (optional)	154568431

2-7-0

TCDL

BCLL

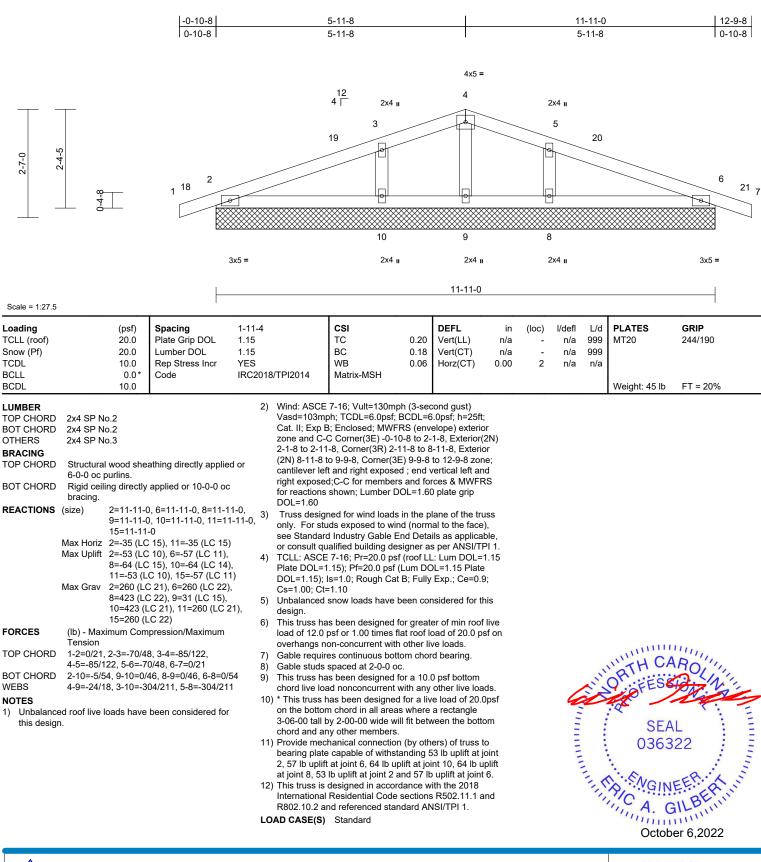
BCDL

WFBS

1)

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Page: 1



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Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	PB1	Piggyback	17	1	Job Reference (optional)	154568432

4-8-6

0-8-12

Carter Components (Sanford), Sanford, NC - 27332

1)

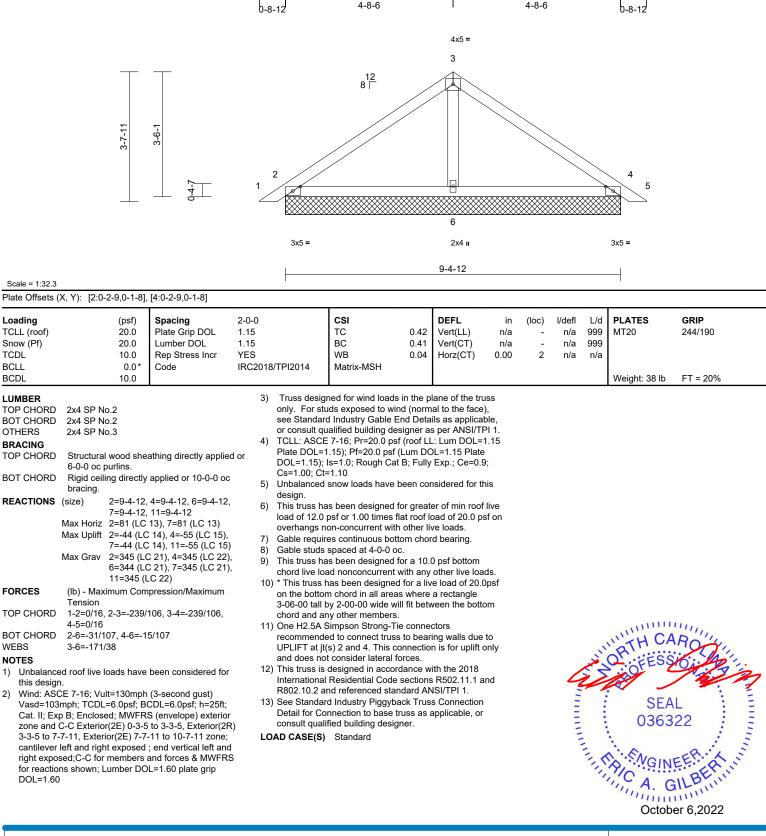
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9-4-12

Page: 1

0-1-8



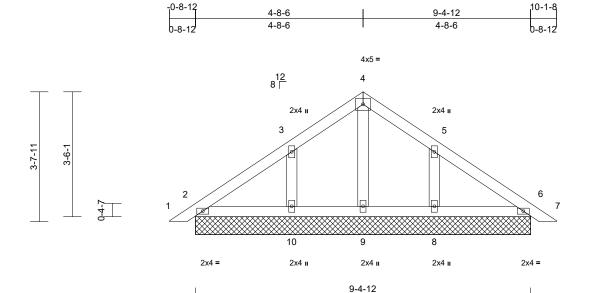


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Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	PB2	Piggyback	2	1	Job Reference (optional)	154568433

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Page: 1



Scale =	1:32.3
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(psf) 20.0	Spacing	2-0-0	CSI								
	Dista Crin DOI				DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
10.0										Weight: 42 lb	FT = 20%
	10.0 0.0*	10.0Rep Stress Incr0.0*Code	10.0 Rep Stress Incr YES 0.0* Code IRC2018/TPI2014	10.0 Rep Stress Incr YES WB 0.0* Code IRC2018/TPI2014 Matrix-MSH	10.0 Rep Stress Incr YES WB 0.05 0.0* Code IRC2018/TPI2014 Matrix-MSH	10.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.0* Code IRC2018/TPI2014 Matrix-MSH Horz(CT)	10.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 0.0* Code IRC2018/TPI2014 Matrix-MSH Horz(CT) 0.00	10.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 6 0.0* Code IRC2018/TPI2014 Matrix-MSH Horz(CT) 0.00 6	10.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 6 n/a 0.0* Code IRC2018/TPI2014 Matrix-MSH Horz(CT) 0.00 6 n/a	10.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 6 n/a n/a 0.0* Code IRC2018/TPI2014 Matrix-MSH Morz(CT) 0.00 6 n/a n/a	10.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 6 n/a 0.0* Code IRC2018/TPI2014 Matrix-MSH Horz(CT) 0.00 6 n/a

LOAD CASE(S) Standard

TOP CHORD	2x4 SP N	o.2				
BOT CHORD	2x4 SP N	0.2				
OTHERS	2x4 SP N	0.3				
BRACING						
TOP CHORD	Structural 6-0-0 oc p	l wood sheathing directly applied or purlins.				
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.					
REACTIONS	(size)	2=9-4-12, 6=9-4-12, 8=9-4-12, 9=9-4-12, 10=9-4-12, 11=9-4-12, 15=9-4-12				
	Max Horiz	2=-81 (LC 12), 11=-81 (LC 12)				
		2=-10 (LC 15), 6=-10 (LC 15), 8=-85 (LC 15), 10=-86 (LC 14), 11=-10 (LC 15), 15=-10 (LC 15)				
	Max Grav					
FORCES	(lb) - Max Tension	imum Compression/Maximum				
TOP CHORD		2-3=-74/53, 3-4=-98/91, 1, 5-6=-67/49, 6-7=0/16				
BOT CHORD	2-10=-21/ 6-8=-21/6	62, 9-10=-21/62, 8-9=-21/62,				
WEBS	4-9=-72/0	, 3-10=-265/126, 5-8=-265/126				
NOTES						

- NOTES
- Unbalanced roof live loads have been considered for 1) this design.

- zone and C-C Exterior(2E) 0-3-5 to 3-5-8, Exterior(2R) 3-5-8 to 7-5-8, Exterior(2E) 7-5-8 to 10-7-11 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live 6) load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhands non-concurrent with other live loads.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom 9) chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. This connection is for uplift only and does not consider lateral forces
- 12) 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.



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Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	V1	Valley	1	1	Job Reference (optional)	154568434

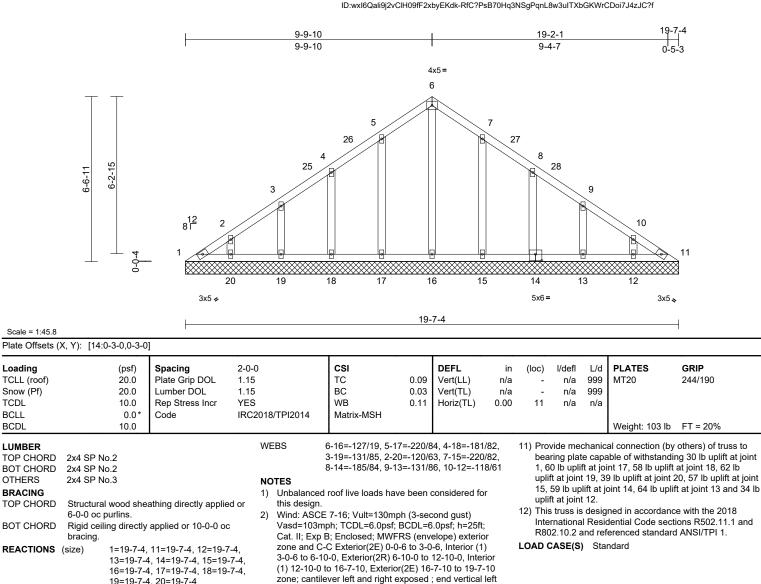
FORCES

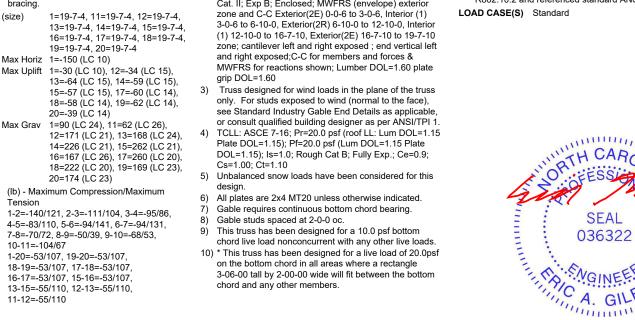
TOP CHORD

BOT CHORD

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WILLING &

Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	V2	Valley	1	1	Job Reference (optional)	

TCDL

BCLL

BCDL

WFBS

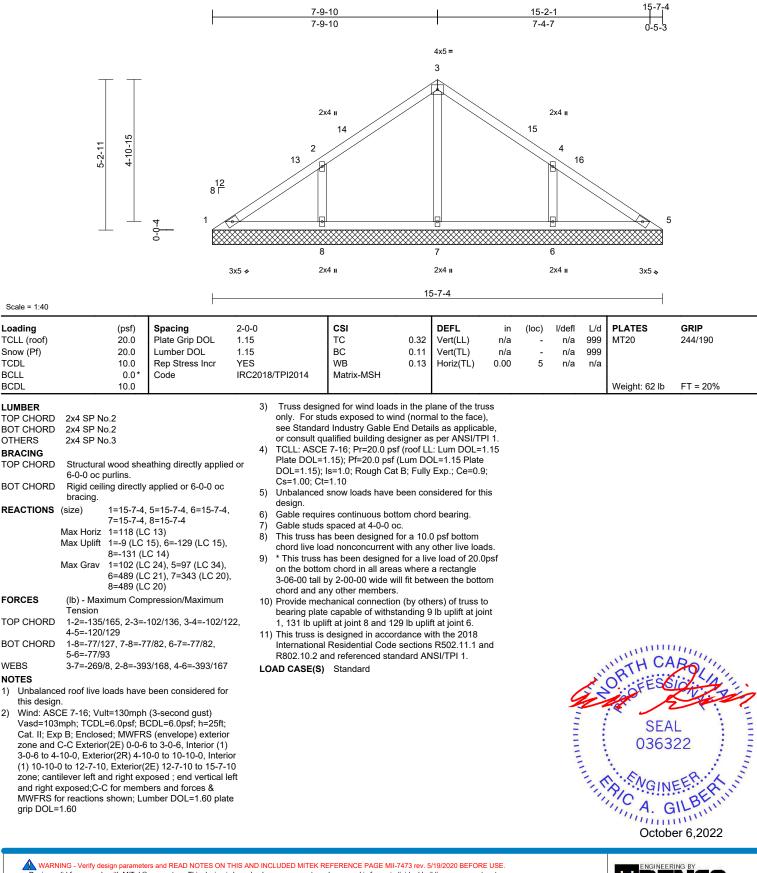
1)

2)

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818 Soundside Road Edenton, NC 27932



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	V3	Valley	1	1	Job Reference (optional)	154568436

5-9-10

Carter Components (Sanford), Sanford, NC - 27332

Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

FORCES

WEBS

NOTES

1)

2)

TCDL

BCLL

BCDL

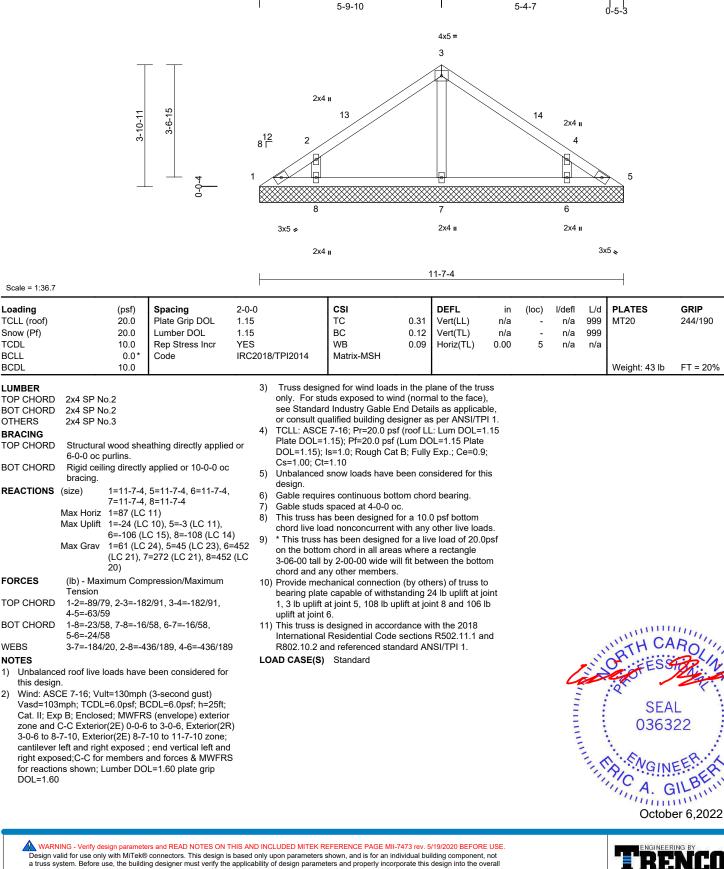
Run: 8.53 S Sep 22 2022 Print: 8.530 S Sep 22 2022 MiTek Industries, Inc. Wed Oct 05 11:38:28 ID:AiKwvLSrSEz9I2DgAjjCxdyEKV3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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818 Soundside Road Edenton, NC 27932



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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	DRB HOMES = 87 FaNC	
22090052	V4	Valley	1	1	Job Reference (optional)	154568437

3-9-10

3-9-10

Carter Components (Sanford), Sanford, NC - 27332,

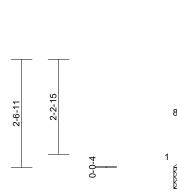
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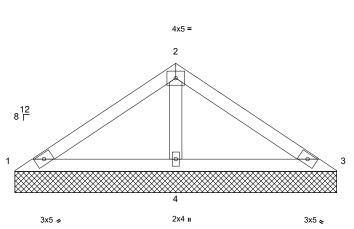
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3-4-7



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7-7-4

Scale = 1:27.2

TCLL (roof) 20.0 F Snow (Pf) 20.0 L TCDL 10.0 F	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Y	-0-0 .15 .15 /ES RC2018/TPI2014	CSI TC BC WB Matrix-MP	0.27 0.28 0.08	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 26 lb	GRIP 244/190 FT = 20%
Max Horiz 1=-56 (LC 12 Max Uplift 1=-17 (LC 2 4=-58 (LC 14	oplied or 6-0-0 oc 7-7-4, 4=7-7-4 2) 1), 3=-17 (LC 20), 4)	Plate DOL= DOL=1.15); Cs=1.00; Ct 5) Unbalanced design. 6) Gable requir 7) Gable studs 8) This truss h chord live lo 9) * This truss l on the bottoo 3-06-00 tall	7-16; Pr=20.0 ps 1.15); Pf=20.0 ps 1.15); Pf=20.0 ps 1.10; Rough Ca =1.10 snow loads have es continuous bol spaced at 4-0-0 c spaced at 4-	(Lum DC t B; Fully been cor tom chor c. for a 10.0 with any d for a liv as where rill fit betv	DL=1.15 Plate Exp.; Ce=0.9 Insidered for the d bearing. D psf bottom other live load e load of 20.0 a rectangle	e 9; nis ds. Dpsf					
Max Grav 1=105 (LC 2 4=552 (LC 2) FORCES (Ib) - Maximum Compre- Tension TOP CHORD 1-2=-96/258, 2-3=-96/2 BOT CHORD 1-4=-181/138, 3-4=-18: WEBS 2-4=-394/178 NOTES 1)	20) ession/Maximum 258 1/138	10) Provide mec bearing plate 1, 17 lb uplif 11) This truss is International	hanical connection capable of withs t at joint 3 and 58 designed in accol Residential Code nd referenced sta	n (by oth tanding 1 Ib uplift a rdance w sections	7 lb uplift at j it joint 4. ith the 2018 s R502.11.1 a	oint				mmm	

this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Exterior(2R) 3-0-6 to 4-7-10, Exterior(2E) 4-7-10 to 7-7-10 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 Truss designed for wind loads in the plane of the truss 3)
- only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

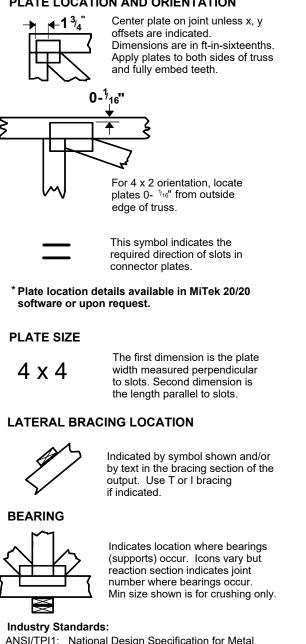
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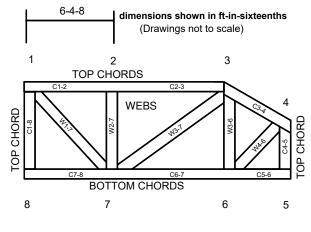


Symbols

PLATE LOCATION AND ORIENTATION



Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

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

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- 2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- 3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- 4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other.
- 6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- 8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- 9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- 13. Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others.
- 16. Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- 18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- 19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

21. The design does not take into account any dynamic or other loads other than those expressly stated.

ANSI/TPI1:	National Design Specification for Metal
	Plate Connected Wood Truss Construction.
DSB-89:	Design Standard for Bracing.
BCSI:	Building Component Safety Information,
	Guide to Good Practice for Handling,
	Installing & Bracing of Metal Plate
	Connected Wood Trusses.

MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020