

RE: 22040112 DRB GROUP - 93 FaNC Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: 22040112 Lot/Block: Address: City:

Model: Subdivision: State:

# General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 Roof Load: 40.0 psf Design Program: MiTek 20/20 8.5 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 17 individual, dated Truss Design Drawings and 0 Additional Drawings.

	0.1"	<b>-</b>	<b>.</b> .
No.	Seal#	Truss Name	Date
1	150287558	A01	2/17/2022
2	150287559	A02	2/17/2022
3	150287560	A03	2/17/2022
4	150287561	A04	2/17/2022
5	150287562	B01	2/17/2022
6	150287563	B02	2/17/2022
7	150287564	C01	2/17/2022
8	150287565	C02	2/17/2022
9	150287566	M01	2/17/2022
10	150287567	M02	2/17/2022
11	150287568	PB1	2/17/2022
12	150287569	PB2	2/17/2022
13	150287570	PB3	2/17/2022
14	150287571	V1	2/17/2022
15	150287572	V2	2/17/2022
16	150287573	V3	2/17/2022
17	150287574	V4	2/17/2022

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

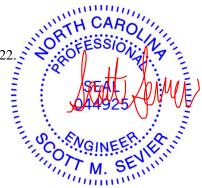
based on the parameters provided by Carter Components (Sanford, NC)).

Truss Design Engineer's Name: Sevier, Scott

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

North Carolina COA: C-0844

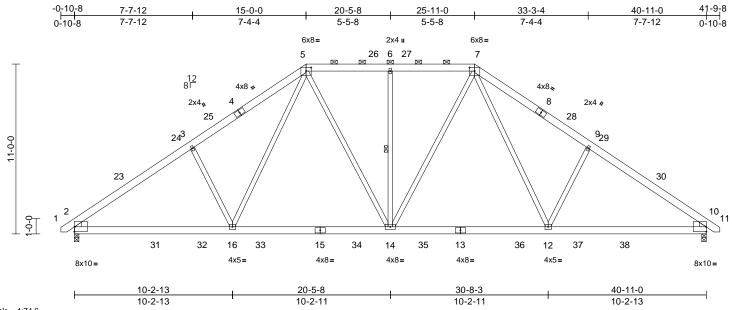
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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 GROUP - 93 FaNC	
22040112	A01	Piggyback Base	2	1	Job Reference (optional)	150287558

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:08 ID:sKQsrFmzhKIdS3ROH4IW00yEKdi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale =	1:74.6
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oading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.63	Vert(LL)	-0.18	12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.85	Vert(CT)	-0.30	12-14	>999	180		21.0.00
CDL	10.0	Rep Stress Incr	YES		WB	0.36	Horz(CT)	0.09	10	n/a	n/a		
CLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MSH		, , ,						
CDL	10.0											Weight: 311 lb	FT = 20%
UMBER OP CHORD OT CHORD /EBS /EDGE	2x6 SP No.2 2x6 SP No.2 2x4 SP No.2 *Excep Left: 2x4 SP No.3 Right: 2x4 SP No.3	t* 16-3,12-9:2x4 SP	2) No.3	Vasd=103m Cat. II; Exp I zone and C- 3-4-15 to 9-2 31-8-7 to 37	7-16; Vult=130n oh; TCDL=6.0psi 3; Enclosed; MW C Exterior(2E) -C -9, Exterior(2R) -6-1, Exterior(2E it and right expos	f; BCDL=6 FRS (env )-8-3 to 3-4 9-2-9 to 3 ) 37-6-1 to	6.0psf; h=25ft elope) exterio 4-15, Interior 1-8-7, Interior 0 41-7-3 zone	or (1) <sup>-</sup> (1) ;	Inte R80 11) Gra or t bott	ernationa 02.10.2 a aphical p he orien tom cho	al Resid and ref urlin re tation o rd.	erenced standard presentation doe of the purlin along	ions R502.11.1 and I ANSI/TPI 1. s not depict the size
RACING OP CHORD	Structural wood she 3-8-4 oc purlins, exc 2-0-0 oc purlins (5-1	ept		right expose for reactions DOL=1.60	d;C-C for member shown; Lumber	ers and fo DOL=1.60	rces & MWFF ) plate grip	RS	LOAD	CASE(S	) Sta	ndard	
T CHORD	Rigid ceiling directly bracing.	,	3)	Plate DOL= DOL=1.15);	7-16; Pr=20.0 p 1.15); Pf=20.0 ps Is=1.0; Rough C	f (Lum DC	DL=1.15 Plate	l.					
		-3-8, 10=1678/0-3-8	4)	Cs=1.00; Ct Unbalanced design.	=1.10 snow loads have	e been cor	nsidered for th	nis					
	Max Uplift 2=-170 (L Max Grav 2=1980 (L	_C 45), 10=1980 (LC	, 0,	This truss ha	as been designed psf or 1.00 times							WH CA	RO
ORCES	(lb) - Maximum Com	pression/Maximum		•	on-concurrent wi						m'	R	A LINA
OP CHORD	Tension 1-2=0/23, 2-3=-2803 5-6=-1916/313, 6-7= 7-9=-2656/349, 9-10	-1916/313,	, ,	This truss ha	quate drainage to as been designed ad nonconcurren	d for a 10. t with any	0 psf bottom other live loa	ds.			ða	and a	anner.
OT CHORD	2-16=-259/2322, 14- 12-14=-11/1748, 10-	-16=-77/1748,	.0/20 8)	on the botto 3-06-00 tall	nas been designe n chord in all are by 2-00-00 wide	eas where will fit betw	a rectangle veen the botte	om				SEA 0449	• •
EBS	5-16=-143/907, 3-16 5-14=-134/545, 6-14 7-14=-134/545, 7-12	=-546/159,	9)	One H2.5A s recommende	by other member Simpson Strong- ed to connect true	Tie conne ss to bear	tors ing walls due	to				0449	

UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.

#### NOTES

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

9-12=-501/279

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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

W. SEM

February 17,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	A02	Piggyback Base	7	1	Job Reference (optional)	150287559

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:10 ID:3tKsGKlq3jzL7GzvtXEzgbyEKb8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

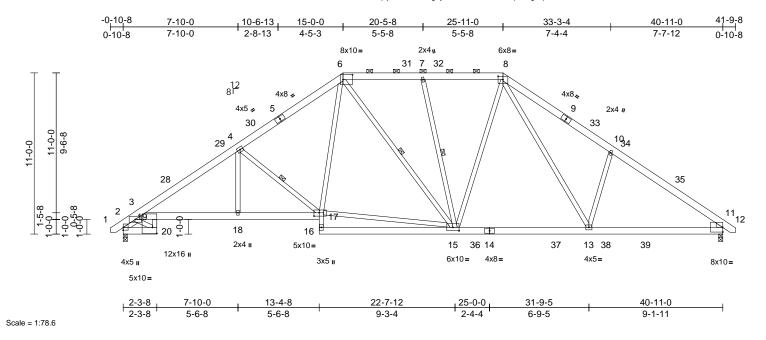


Plate Offsets (	X, Y): [2:Edge,0-0-3],	[6:0-7-12,0-4-0], [8	:0-4-0,0-2-12], [11:Edge	e,0-3-13], [15:0-5-0,	,0-2-12], [	17:0-4-4,0-2	-12], [19:	Edge,0-	3-8]			
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.63	Vert(LL)	-0.18	13-15	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.29	13-15	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.18	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0				-						Weight: 339 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2x6 SP No.2 2x6 SP No.2 *Excep No.3, 3-17:2x6 SP 2	,	WEBS	6-17=-97/996, 4- <sup>-</sup> 7-15=-567/163, 8 6-15=-205/331, 1 8-13=-204/941, 1	-15=-103 5-17=-84	/522, /1516,	/505,	on 1 3-0	the botto 6-00 tall	om cho by 2-0	ord in all areas wh 00-00 wide will fit	a live load of 20.0psf here a rectangle between the bottom h BCDL = 10.0psf.

	110.0, 0 11.2.00 01 21001 2.02				
WEBS	2x4 SP No.3 *Except*		3-20=-1385/286	9)	One H2.5A Simpson Strong-Tie connectors
	15-7,15-8,15-6,13-8:2x4 SP No.2	NO	OTES		recommended to connect truss to bearing walls due to
WEDGE	Right: 2x4 SP No.3	1)	Unbalanced roof live loads have been considered for		UPLIFT at jt(s) 2 and 11. This connection is for uplift
SLIDER	Left 2x4 SP No.3 0-11-13	,	this design.		only and does not consider lateral forces.
BRACING		2)	Wind: ASCE 7-16; Vult=130mph (3-second gust)	1(	)) This truss is designed in accordance with the 2018
TOP CHORD	Structural wood sheathing directly applied or		Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;		International Residential Code sections R502.11.1 and
	3-6-8 oc purlins, except		Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior		R802.10.2 and referenced standard ANSI/TPI 1.
	2-0-0 oc purlins (5-2-3 max.): 6-8.		zone and C-C Exterior(2E) -0-8-3 to 3-4-15, Interior (1)	1	I) Graphical purlin representation does not depict the size
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc		3-4-15 to 9-2-9, Exterior(2R) 9-2-9 to 31-8-7, Interior (1)		or the orientation of the purlin along the top and/or
	bracing, Except:		31-8-7 to 37-6-1, Exterior(2E) 37-6-1 to 41-7-3 zone;		bottom chord.
	2-2-0 oc bracing: 19-20.		cantilever left and right exposed ; end vertical left and	Ľ	DAD CASE(S) Standard
WEBS	1 Row at midpt 4-17, 7-15, 6-15		right exposed;C-C for members and forces & MWFRS		ANNULL.
REACTIONS	(lb/size) 2=1681/0-3-8, 11=1672/0-3-8		for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60		AN CAD
	Max Horiz 2=247 (LC 13)	~			N'ATH UNHOI !!!
	Max Uplift 2=-171 (LC 14), 11=-170 (LC 15)	3)	TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15		Chi Chi Said M
	Max Grav 2=1887 (LC 45), 11=1921 (LC 45)		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;		2 Shall - Shall
FORCES	(lb) - Maximum Compression/Maximum		Cs=1.00; Ct=1.10		
	Tension	4)	Unbalanced snow loads have been considered for this		E / N 1 1 2
TOP CHORD	1-2=0/28, 2-3=-1100/87, 3-4=-3149/316,	4)	design.		= : SEAL : =
	4-6=-2459/310, 6-7=-1846/326,	5)	This truss has been designed for greater of min roof live		
	7-8=-1773/304, 8-10=-2642/396,	0)	load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on		E : 044925 : E
	10-11=-2720/256, 11-12=0/23		overhangs non-concurrent with other live loads.		二 キート・アード 人口の
BOT CHORD	2-20=-235/1143, 19-20=-231/1218,	6)	Provide adequate drainage to prevent water ponding.		Entro alas
	3-19=-278/2648, 18-19=-300/2711,	7)	This truss has been designed for a 10.0 psf bottom		2 O SVGINEES
	17-18=-300/2711, 16-17=0/157, 15-16=0/257,	• • •	chord live load nonconcurrent with any other live loads.		O
	13-15=-8/1671, 11-13=-92/2168		· · · · · · · · · · · · · · · · · · ·		TM SENT

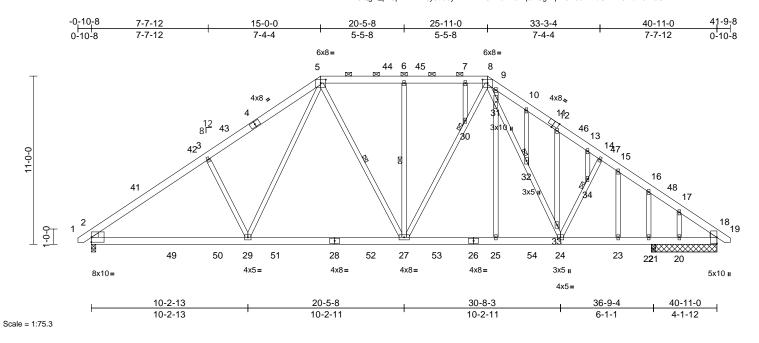
818 Soundside Road Edenton, NC 27932

Μ. unnun 1 February 17,2022

Page: 1

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	A03	Piggyback Base	1	1	Job Reference (optional)	150287560

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:11 ID:4VUQgD\_p13ptMxmWsy3uo6yEKZY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Loading		(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		20.0	Plate Grip DOL	1.15		тс	0.61	Vert(LL)	-0.19	27-29	>999	240	MT20	244/190
Snow (Pf)		20.0	Lumber DOL	1.15		BC	0.86	Vert(CT)	-0.31	27-29	>999	180		
TCDL		10.0	Rep Stress Incr	YES		WB	0.52	Horz(CT)	0.08	18	n/a	n/a		
BCLL		0.0*	Code		018/TPI2014	Matrix-MSH	0.02	11012(01)	0.00				1	
BCDL		10.0	0000		010/11/2011								Weight: 362 lb	FT = 20%
LUMBER					TOP CHORD	1-2=0/23, 2-3=-26	71/254, 3	3-5=-2525/34	-2,	2) Wir	nd: ASCI	E 7-16	; Vult=130mph (	(3-second gust)
TOP CHORD	2x6 SP N	0.2				5-6=-1765/301, 6-7	7=-1765	/301,		์ Vas	sd=103n	nph; T(	DL=6.0psf; BC	DL=6.0psf; h=25ft;
BOT CHORD	2x6 SP N	o.2				7-8=-1765/301, 8-9	9=-1951	/362,		Cat	. II; Exp	B; End	closed; MWFRS	(envelope) exterior
WEBS	2x4 SP N	o.2 *Excep	ot* 29-3,24-14:2x4 SP	<b>)</b>		9-10=-2090/327, 1	0-12=-2	211/322,						to 3-4-15, Interior (1)
	No.3					12-13=-2051/233,								9 to 31-8-7, Interior (1)
OTHERS	2x4 SP N	0.3				14-15=-2141/211,								6-1 to 41-7-3 zone;
WEDGE	Left: 2x4	SP No.3				16-17=-1864/131,	17-18=-	2069/94,						end vertical left and
	Right: 2x4	4 SP No.3				18-19=0/23								nd forces & MWFRS
BRACING					BOT CHORD	2-29=-253/2224, 2						s snow	vn; Lumber DOL	.=1.60 plate grip
TOP CHORD	Structura	I wood she	athing directly applied	d or		25-27=0/1571, 24-		,			L=1.60			
		purlins, ex				23-24=-23/1627, 2 21-22=-23/1627, 2								the plane of the truss
	2-0-0 oc	ourlins (5-3	-15 max.): 5-8.			18-20=-23/1627	0-21=-2	3/1027,						(normal to the face), Details as applicable,
BOT CHORD	Rigid ceil	ing directly	applied or 10-0-0 oc		WEBS	5-29=-141/935. 3-2	20503	/280						ner as per ANSI/TPI 1
	bracing.				WLDO	5-27=-136/454, 6-2		,		010	Jonisuit q	luaine	a building design	
WEBS	1 Row at		5-27, 6-27			27-30=-126/500, 8								
JOINTS		at Jt(s): 30,				8-31=-178/643, 31							TH C	1111.
	32, 34					32-33=-168/569. 2		,					White Co	AD
REACTIONS	(lb/size)		-3-8, 18=1426/4-3-8,			24-34=-37/300, 14	-34=-29	/328, 7-30=-4	6/16,				atho	
			4-3-8, 21=1131/0-3-8	,		9-31=-42/174, 25-3	31=0/23	6, 10-32=-18/	79,			LA	OVERS	Sire: Ark
		38=1426/				12-33=-482/141, 1	3-34=-7	0/17,				$X \leq$		No. 7
	Max Horiz					15-23=-228/50, 16	-22=-48	7/101,			_	BC		John
	Max Uplift		.C 14), 18=-30 (LC 15			17-20=-14/292						2		
			(LC 45), 21=-119 (LC	С	NOTES								SE/	AL : =
			30 (LC 15)		1) Unbalance	d roof live loads hav	e been o	considered fo	or		=	:		
	Max Grav		_C 45), 18=1685 (LC		this design.						=		0443	525 ; :
			14), 21=1337 (LC 45	o),							-		N	
		38=1685	· · · ·										1. 6.	AL 925
FORCES		imum Com	pression/Maximum									-0	O NGIN	IEE. CAN
	Tension											11	0	and the second s
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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 **ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



February 17,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	A03	Piggyback Base	1	1	Job Reference (optional)	150287560

- 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 studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1004 lb uplift at joint 20.

13) N/A

- 14) 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.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.

LOAD CASE(S) Standard

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:11 ID:4VUQgD\_p13ptMxmWsy3uo6yEKZY-RfC?PsB70Hg3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	A04	Piggyback Base Supported Gable	1	1	I5 Job Reference (optional)	50287561

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Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:12 Page: 1 ID:vwN7V4GFd7jcdU1xiHzIEyyEKZB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -0-10-8 0-10-8 41-9-8 0-10-8 15-0-0 25-11-0 40-11-0 15-0-0 10-11-0 15-0-0 3x6 🖌 3x6💊 14 55 15 56 16 12 13 17 18 19 11 5x6 🍫 Ð 20 10 5x6💊 \_12 8Г 89 2<u>1</u>2 6<sup>53<sup>54</sup></sup> 7 23 57<sub>58</sub>24 Ø Ø Þ Ø X Σ Ø X 5 25 26 23 27/8 ĥ  $\otimes$ 51 50 49 48 47 46 45 4443 42 41 40 3938 37 36 35 34 33 32 31 3x5= 3x5=

40-11-0

3x6=

3x6=

Scale = 1:72.6

1

11-0-0

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]

Plate Offsets (	X, Y): [9:0-2	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) 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 WI Ma	;	0.16 0.09 0.21	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.01	(loc) - - 30	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 343 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	19: 1 or d		32=-34 34=-57 36=-78 40=-31 42=-31 46=-76 48=-57 50=-29 52=-10 30=192 32=158 34=230	(LC 15), (LC 15), (LC 15), (LC 10), (LC 10), (LC 10), (LC 14), (LC 14), (LC 14), 8 (LC 14), 8 (LC 10) 2 (LC 24) 3 (LC 22) 0 (LC 43)	31=-141 (LC 33=-64 (LC 1 35=-56 (LC 1 39=-14 (LC 1 41=-25 (LC 1 41=-25 (LC 1 47=-56 (LC 1 49=-65 (LC 1 51=-157 (LC ) 31=228 (LC 33=176 (LC 35=230 (LC 35=230 (LC 37=191 (LC	15), 15), 11), 11), 11), 14), 14), 14), 14), 49), 43), 43),	BOT CH	łORD	49-50 47-48 45-46 42-43 40-41 37-39 35-36 33-34 31-32 15-41 13-43 10-46	=-113/140, 50-5 =-113/140, 48-45 =-113/140, 43-44 =-113/140, 43-44 =-113/140, 39-44 =-113/140, 39-44 =-113/140, 34-35 =-113/140, 30-33 =-113/140, 30-33 =-113/140, 30-33 =-113/140, 31-45 =-113/140, 14-42= =-113/140, 14-42= =-113/	⇒=-113/140, '=-113/140, is=-113/140, ?=-113/140, '=-113/140, '=-113/140, is=-113/140, is=-113/140, is=-113/140, =-113/140 =-187/60, :-162/20,	0/65			
bracing. WEBS 1 Row at midpt 15-41, 14-42, 13-43, 11-45, 10-46, 16-40, 17-39, 19-37, 20-36 <b>REACTIONS</b> (lb/size) 30=169/40-11-0, 31=169/40-11-0, 32=157/40-11-0, 33=161/40-11-0, 34=160/40-11-0, 37=152/40-11-0, 39=157/40-11-0, 42=161/40-11-0, 41=160/40-11-0, 45=152/40-11-0, 43=157/40-11-0, 45=152/40-11-0, 48=160/40-11-0, 47=160/40-11-0, 52=169/40-11-0, 51=169/40-11-0, 52=169/40-11-0 Max Horiz 52=-276 (LC 12)			-0, -0, -0, -0, -0, -0, -0, -0, -0, -0,	Tens 2-52 3-4= 6-7= 10-1 12-1 14-1 16-1 18-1 20-2 23-2 26-2	39=221 41=225 43=221 46=237 48=230 50=158 52=236 Maximum Cc ion =-179/165, 1- -208/196, 4-5 -125/164, 7-8 3=-169/279, ' 5=-169/279, ' 5=-169/279, ' 9=-172/261, ' 2=-157/241, 2 4=-94/131, 24	(LC 38) (LC 38) (LC 38) (LC 38) (LC 41) (LC 41) (LC 41) (LC 21) (LC 25) pompressi -2=0/34, i=-151/14 i=-125/15 11-12=-1 13-14=-1 13-14=-1 19-20=-1 22-23=-1 4-25=-88	, 40=227 (LC , 42=227 (LC , 47=230 (LC , 47=230 (LC , 49=177 (LC , 51=251 (LC on/Maximum 2-3=-25/55, 12, 5-6=-144/ 37, 8-10=-157 72/261, 69/279, 69/279, 69/279, 96/307,	38), 38), 53), 41), 47), 47), 47), 146, 7/241,	NOTES	Annual Contraction	4-51= 16-40 19-37 22-35 24-33 26-31	-181/153, 3-52=- =-187/60, 17-39= =-151/7, 20-36= =-190/80, 23-34= =-136/86, 25-32= =-165/143, 27-30 H CA SEA 0449	289/250, 181/38, 197/102, 190/81, 120/65, )=-211/158	A MANUTAN	

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 mer user 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, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



February 17,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	A04	Piggyback Base Supported Gable	1	1	Job Reference (optional)	150287561

- 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.
- 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) N/A
- 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 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 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

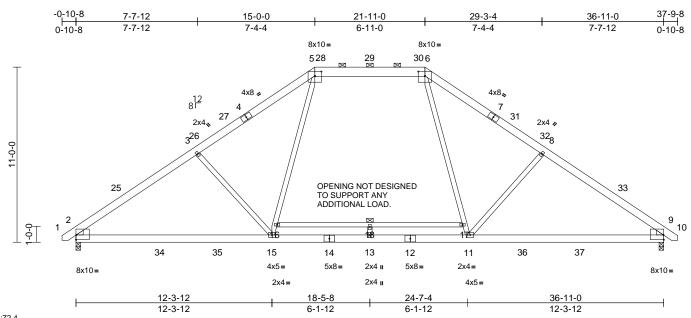


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Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	B01	Piggyback Base	7	1	Job Reference (optional)	150287562

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:13 ID:Z2hxjd1mnUfgg9L2u?c3IFyEKYC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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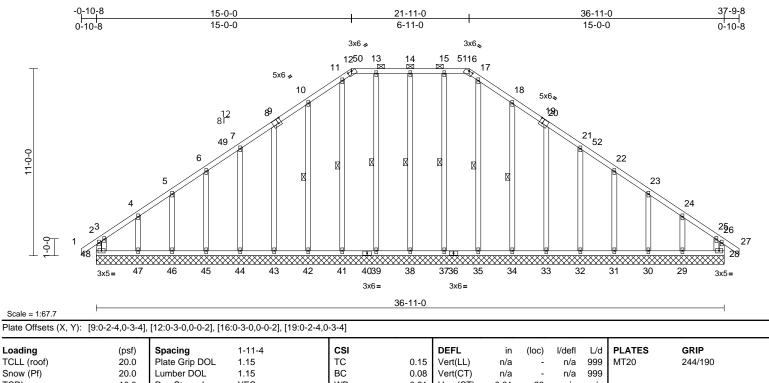
Plate Offsets (	(X, Y): [2:Edge,0-3-9],	[5:0-5-0,0-3-4], [6:0-	5-0,0-3-4]	, [9:Edge,0-3-9	]								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.75 0.67 0.55	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.37 -0.47 0.07	(loc) 15-21 13-15 9	l/defl >999 >943 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 268 lb	<b>GRIP</b> 244/190
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No.2 *Excep 2.0E 2x6 SP 2400F 2.0E No.2 2x4 SP No.2 *Excep SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she 3-5-2 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Row at midpt	*Except* 14-12:2x6 S t* 15-3,11-8,18-13:2x athing directly applied ept -0 max.): 5-6. applied or 10-0-0 oc 16-17 -3-8, 9=1618/0-3-8 C 12) : 14), 9=-51 (LC 15)	(4 d or 3) 4) 5)	this design. Wind: ASCE Vasd=103mg Cat. II; Exp E zone and C-1 3-0-2 to 9-9-1 27-1-10 to 33 zone; cantile and right exp MWFRS for grip DOL=1.1 (TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0	7-16; Pr=20.0 psf .15); Pf=20.0 psf (L s=1.0; Rough Cat I =1.10 snow loads have be s been designed for psf or 1.00 times fla	n (3-sec CDL=6 S (env. 3 to 3-( 6 to 27 E) 33-10 posed bers an umber I (roof LL um DC B; Fully een cor or greate tt roof lo	cond gust) .0psf; h=25ft elope) exterio -2, Interior (: -1-10, Interior) -14 to 37-7-; ; end vertical d forces & DOL=1.60 pla .: Lum DOL= DL=1.15 Plate Exp.; Ce=0.9 asidered for the er of min roof pad of 20.0 p	; or 1) r (1) 3 left 1.15 9; his f live	recc UPI and 11) This Inte R80 12) Gra or t	Dimmeno LIFT at j I does no s truss is prnationa 02.10.2 a phical p he orien com cho	led to c t(s) 2 a ot cons s desig al Resic and ref urlin re tation c rd.	on Strong-Tie con connect truss to b ind 9. This conne ider lateral forces ned in accordanc dential Code sect erenced standarc presentation doe of the purlin along	nnectors earing walls due to ction is for uplift only s. e with the 2018 ions R502.11.1 and I ANSI/TPI 1. s not depict the size
FORCES TOP CHORD BOT CHORD WEBS NOTES	5-6=-1608/138, 6-8= 9-10=0/23	9) 5,	from left end, supported at two points, 5-0-0 apart. Provide adequate drainage to prevent water ponding.						Contraction of the second s		SEA 0449 SEA 0449	ER RATION	

February 17,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	B02	Piggyback Base Supported Gable	1	1	Job Reference (optional)	150287563

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TCDL	10.0	Rep Stress Incr YI	ES	WB	0.21	Horz(CT)	0.01	28	n/a	n/a			
BCLL	0.0*	Code IR	RC2018/TPI2014	Matrix-MF	२								
BCDL	10.0										Weight: 300 lb	FT = 2	0%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	Structural wood sh 6-0-0 oc purlins, e 2-0-0 oc purlins (6	,37-15,35-17:2x4 SP No.2 leathing directly applied or except end verticals, and	2	3 3 3 3 3 4 4 4 4 4	8=188 (LC 24), 0=153 (LC 22), 2=204 (LC 39), 4=224 (LC 39), 7=214 (LC 38), 9=214 (LC 38), 2=224 (LC 39), 4=204 (LC 39), 6=153 (LC 21), 8=228 (LC 25) num Compressio	31=167 (LC 2 33=220 (LC 3 35=185 (LC 5 38=222 (LC 3 41=196 (LC 5 43=220 (LC 3 45=169 (LC 2 47=242 (LC 4	25), 39), 51), 38), 53), 39), 24), 47), <b>N</b>	NEBS NOTES I) Unbal this de	lanced	11-41= 8-43=- 5-46=- 3-48=- 17-35= 20-33= 22-31= 24-29=	183/72, 13-39= 157/19, 10-42= 182/78, 7-44=-1 116/64, 4-47=-1 276/239, 15-37= 147/8, 18-34= 182/77, 21-32= 127/83, 23-30= 160/137, 25-28 we loads have be	=-186/97, 165/79, 6- 174/147, =-175/36, -186/99, =-165/79, =-116/64, 8=-201/15	45=-128/84, 55
WEBS	1 Row at midpt	14-38, 13-39, 11-41, 10-42, 15-37, 17-35, 18-34	TOP CHORD	3-4=-198/18 6-7=-120/16	158, 1-2=0/33, 2 37, 4-5=-145/13 61, 7-8=-125/19	6, 5-6=-138/1 4, 8-10=-155/2							
	30=153, 32=155, 34=156, 37=152, 39=152, 42=156, 44=155, 46=73, 48=164, Max Uplift 28=-52 30=-33 32=-55 34=-76 38=-35 42=-74 44=-55, 46=-29		BOT CHORD	$\begin{array}{c} 12\text{-}13\text{=-}167\\ 14\text{-}15\text{=-}167\\ 14\text{-}15\text{=-}167\\ 16\text{-}17\text{=-}169\\ 18\text{-}20\text{=-}155\\ 21\text{-}22\text{=-}94/1\\ 24\text{-}25\text{=-}141\\ 24\text{-}25\text{=-}141\\ 26\text{-}28\text{=-}147\\ 47\text{-}48\text{=-}111\\ 43\text{-}44\text{=-}111\\ 43\text{-}44\text{=-}111\\ 43\text{-}44\text{=-}111\\ 38\text{-}39\text{=-}111\\ 33\text{-}34\text{=-}111\\ 33\text{-}34\text{=-}111\\ 31\text{-}32\text{=-}111\\ \end{array}$	/301, 11-12=-11 /273, 13-14=-10 /273, 15-16=-10 /256, 17-18=-19 /237, 20-21=-12 /31, 22-23=-87/ /121, 25-26=-2? /158 /133, 46-47=-1 <sup>-</sup> /133, 44-45=-1 <sup>-</sup> /133, 44-45=-1 <sup>-</sup> /133, 34-45=-1 <sup>-</sup> /133, 37-38=-1 <sup>-</sup> /133, 32-33=-1 <sup>-</sup> /133, 30-31=-1 <sup>-</sup> /133, 28-29=-1 <sup>-</sup>	67/273, 67/273, 93/301, 25/184, 98, 23-24=-90 5/53, 26-27=0/ 111/133, 11/133, 11/133, 11/133, 11/133, 11/133, 11/133, 11/133, 11/133, 11/133,			"Thuman		SEA 0449	25	A State of the sta

11111 February 17,2022

Page: 1



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	B02	Piggyback Base Supported Gable	1	1	Job Reference (optional)	150287563

- Wind: ASCE 7-16; Vult=130mph (3-second gust) 2) 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 2-9-13, Exterior (2N) 2-9-13 to 11-3-11, Corner(3R) 11-3-11 to 25-7-5, Exterior(2N) 25-7-5 to 34-1-3, Corner(3E) 34-1-3 to 37-9-8 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 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) 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.
- All plates are 2x4 MT20 unless otherwise indicated. 8)
- 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) N/A
- 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

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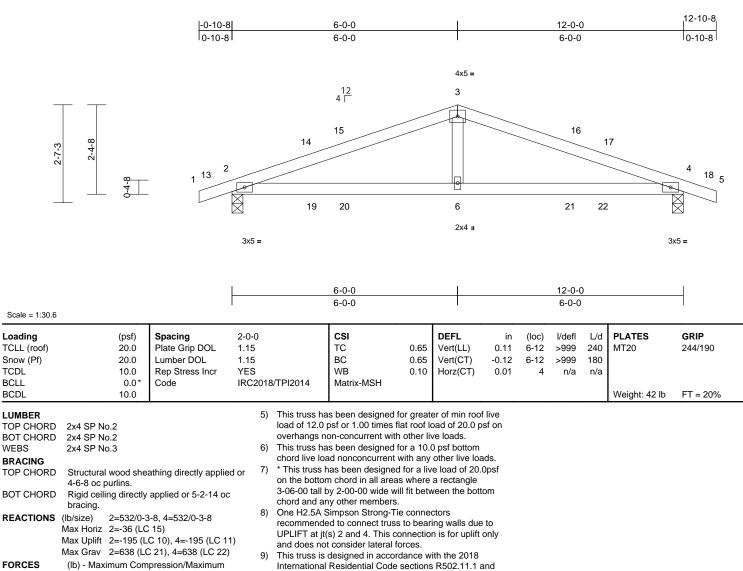
Page: 2



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	C01	Common	4	1	Job Reference (optional)	150287564

## Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:14 ID:4UI8jYvhUYSh\_a0N4NWaV9zkPF8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

FORCES Tension TOP CHORD 1-2=0/21, 2-3=-914/1256, 3-4=-914/1256, 4-5=0/21BOT CHORD 2-6=-1099/798, 4-6=-1099/798 WFBS 3-6=-474/271

#### NOTES

TCDL

BCLL

BCDL

WEBS

- Unbalanced roof live loads have been considered for 1) 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) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 3-0-0, Exterior(2R) 3-0-0 to 9-0-0, Interior (1) 9-0-0 to 9-10-8, Exterior(2E) 9-10-8 to 12-10-8 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.

# COLUMN WWWWW 111111111 SEAL 44925 mm February 17,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	C02	Common Supported Gable	1	1	Job Reference (optional)	150287565

2-7-3

Loading

Snow (Pf)

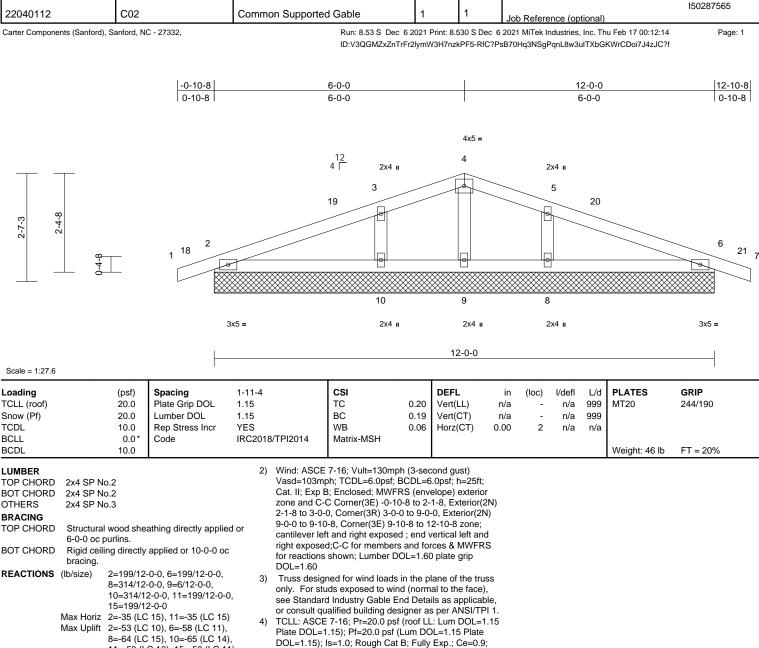
LUMBER

OTHERS

TCDL

BCLL

BCDL



- BRACING TOP CHORD BOT CHORD REACTIONS (lb/size) 8=-64 (LC 15), 10=-65 (LC 14), 11=-53 (LC 10), 15=-58 (LC 11) Max Grav 2=261 (LC 21), 6=261 (LC 22), 8=428 (LC 22), 9=31 (LC 15), 10=428 (LC 21), 11=261 (LC 21), 15=261 (LC 22) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/21, 2-3=-71/49, 3-4=-87/123, 4-5=-87/123, 5-6=-71/49, 6-7=0/21 BOT CHORD 2-10=-5/56 9-10=0/47 8-9=0/47 6-8=0/56 WFBS 4-9=-22/19, 3-10=-308/212, 5-8=-308/212 NOTES
- Unbalanced roof live loads have been considered for 1) this design.

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

Cs=1.00; Ct=1.10

desian.

5)

6)

7)

8)

9)

10)

Unbalanced snow loads have been considered for this

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.

Gable requires continuous bottom chord bearing.

This truss has been designed for a 10.0 psf bottom

on the bottom chord in all areas where a rectangle

chord live load nonconcurrent with any other live loads.

\* This truss has been designed for a live load of 20.0psf

3-06-00 tall by 2-00-00 wide will fit between the bottom

Gable studs spaced at 2-0-0 oc.

chord and any other members.

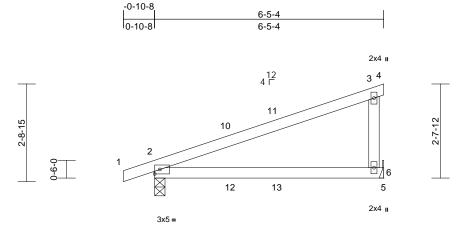


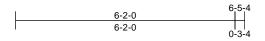
818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	M01	Monopitch	7	1	Job Reference (optional)	150287566

#### Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:15 ID: Aule CvrrSaYOgDpthWIENtyEKVs-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:32.4

Loading         (psf)           TCLL (roof)         20.0           Snow (Pf)         20.0           TCDL         10.0           BCLL         0.0*           BCDL         10.0	Plate Grip DOL1.Lumber DOL1.Rep Stress IncrYI	0-0 15 15 ES 8C2018/TPI2014	CSI TC 0.8 BC 0.6 WB 0.0 Matrix-MP	B Vert(CT)	in (loc) 0.25 6-9 0.20 6-9 0.03 2	>365	L/d 240 180 n/a		<b>GRIP</b> 244/190 FT = 20%
REACTIONS (1b/size) 2=20 cc purlins, exc Rigid ceiling directly bracing. REACTIONS (1b/size) 2=302/0-3 Max Horiz 2=95 (LC Max Uplift 2=-119 (LI Max Grav 2=392 (LC	applied or 10-0-0 oc 3-8, 6=265/ Mechanical 13) C 10), 6=-101 (LC 10) C 21), 6=362 (LC 21)	<ul> <li>chord live lo</li> <li>* This truss I on the bottor 3-06-00 tall I chord and ai</li> <li>7) Refer to gird</li> <li>8) Provide mec bearing plate joint 6.</li> <li>9) One H2.5A s recommend UPLIFT at jt</li> </ul>	as been designed for a 1 ad nonconcurrent with a has been designed for a m chord in all areas whe oy 2-00-00 wide will fit bu ny other members. ler(s) for truss to truss co chanical connection (by c e capable of withstanding Simpson Strong-Tie com ed to connect truss to be (s) 2. This connection is sider lateral forces.	ny other live loads live load of 20.0ps re a rectangle etween the bottom nnections. thers) of truss to g 101 lb uplift at nectors aring walls due to	sf				
FORCES (Ib) - Maximum Com Tension TOP CHORD 1-2=0/17, 2-3=-100/ 3-6=-266/202	115, 3-4=-8/0,	International	designed in accordance Residential Code section nd referenced standard Standard	ns R502.11.1 and					
BOT CHORD 2-6=-93/144, 5-6=0/0 NOTES	0								
<ol> <li>Wind: ASCE 7-16; Vult=130mph Vasd=103mph; TCDL=6.0psf; B( Cat. II; Exp B; Enclosed; MWFR; zone and C-C Exterior(2E) -0-10 2-1-8 to 3-5-4, Exterior(2E) 3-5-4 cantilever left and right exposed right exposed; porch left and righ members and forces &amp; MWFRS Lumber DOL=1.60 plate grip DO</li> <li>TCLL: ASCE 7-16; Pr=20.0 psf (</li> </ol>	CDL=6.0psf; h=25ft; S (envelope) exterior -8 to 2-1-8, Interior (1) 4 to 6-5-4 zone; ; end vertical left and th exposed;C-C for for reactions shown; DL=1.60					ŝ		WITH CA	ROLIN
<ol> <li>1 CLL: ASCE 7-16; PT=20.0 pst (L Plate DOL=1.15); Pf=20.0 psf (L DOL=1.15); Is=1.0; Rough Cat B Cs=1.00; Ct=1.10</li> <li>Unbalanced snow loads have be dualized</li> </ol>	um DOL=1.15 Plate 3; Fully Exp.; Ce=0.9;							SEA 0449	• •

design. 4)

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.

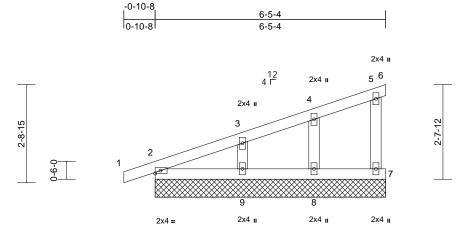
M. SE February 17,2022

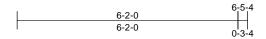


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	M02	Monopitch Supported Gable	1	1	Job Reference (optional)	150287567

### Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:15 ID:aTRnqxtklVwzXgYSMerx\_WyEKVp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:32.2

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL LUMBER	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code		CSI TC BC WB Matrix-MP		Horz(CT)		(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 27 lb	<b>GRIP</b> 244/190 FT = 20%
TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood sh 6-0-0 oc purlins, e	eathing directly applie xcept end verticals. y applied or 10-0-0 oc	see Stand or consult 3) TCLL: AS Plate DOI DOL=1.1 Cs=1.00; 4) Unbalanc design.	ed snow loads have	End Deta esigner a sf (roof LI f (Lum DC at B; Fully been cor	ils as applica s per ANSI/T L: Lum DOL= DL=1.15 Plate Exp.; Ce=0. nsidered for t	ble, PI 1. 1.15 9; his					
REACTIONS	7=87/6-5 9=192/6 Max Horiz 2=94 (LC Max Uplift 2=-31 (L 7=-23 (L 9=-47 (L Max Grav 2=172 (I (LC 21),	-5-4, 6=-12/6-5-4, 5-4, 8=152/6-5-4, -5-4, 10=143/6-5-4 C 13), 10=94 (LC 13) C 10), 6=-17 (LC 21), C 14), 8=-29 (LC 10), C 14), 10=-31 (LC 10, C 21), 6=8 (LC 14), 7 8=204 (LC 21), 9=26 172 (LC 21)	<ul> <li>load of 12 overhang</li> <li>Gable rec</li> <li>Gable stu</li> <li>This truss chord live</li> <li>* This trus</li> <li>on the bo</li> <li>7 (LC</li> <li>3-06-00 ta</li> </ul>	has been designed .0 psf or 1.00 times s non-concurrent witi uires continuous bo ds spaced at 2-0-0 o has been designed load nonconcurrent is has been designed tom chord in all are: all by 2-00-00 wide v any other members	flat roof li th other li ttom chor oc. for a 10.1 with any d for a liv as where vill fit betw	bad of 20.0 p ve loads. rd bearing. 0 psf bottom other live loa re load of 20.1 a rectangle	sf on ads. Opsf					
FORCES	Tension	mpression/Maximum	10) Provide m bearing p	ate capable of withs	on (by oth							<u>ни.</u>
TOP CHORD	1-2=0/17, 2-3=-110 4-5=-42/25, 5-6=-1		6.							•	"TH CA	Ro
Vasd=103 Cat. II; Ex zone and 2-1-8 to 6- end vertic forces & N	p B; Enclosed; MWFf C-C Corner(3E) -0-10 -5-4 zone; cantilever I	205/193 h (3-second gust) 3CDL=6.0psf; h=25ft; RS (envelope) exterior )-8 to 2-1-8, Exterior(2 left and right exposed ed;C-C for members a shown; Lumber	2N) ;						. ATTITUS.	Survey States	SEA 0449	EER. HALL

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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

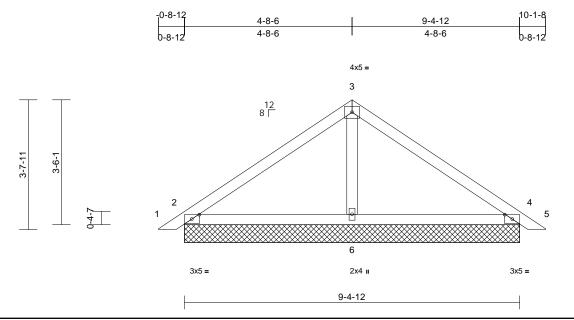


February 17,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	PB1	Piggyback	9	1	Job Reference (optional)	150287568

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Page: 1



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

Plate Offsets (	(X, Y): [2:0-2-9,0-1-8]	, [4:0-2-9,0-1-8]					-						
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-MSH	0.42 0.41 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 38 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins.	athing directly applie applied or 10-0-0 oc		only. For stu see Standar or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced	ned for wind loads uds exposed to wir d Industry Gable E alified building des 7-16; Pr=20.0 psf (15); Pf=20.0 psf (ls=1.0; Rough Cat =1.10 snow loads have t	id (norm nd Deta signer a (roof Ll Lum DC B; Fully	al to the face ils as applica s per ANSI/TI .: Lum DOL= DL=1.15 Plate Exp.; Ce=0.9	), ble, PI 1. 1.15 9;					
	<ul> <li>(b/size) 2=245/9-4-12, 4=245/9-4-12, 6=319/9-4-12, 7=245/9-4-12, 11=245/</li></ul>					sf on Ids.							
FORCES	(lb) - Maximum Con Tension	npression/Maximum		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.									
TOP CHORD BOT CHORD	4-5=0/16	, , ,	11	) N/A	,							TH CA	RO
WEBS	3-6=-171/38									t	S.	ONEESS	in Na
<ol> <li>NOTES</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;</li> </ol>				International R802.10.2 a See Standar	designed in accord Residential Code nd referenced star d Industry Piggyba nnection to base to	sections Idard AN Indard Trus	s R502.11.1 a NSI/TPI 1. s Connection			Ø	Be	SEA	• • •
Cat. II; Ex zone and 3-3-5 to 7-	p B; Enclosed; MWFR C-C Exterior(2E) 0-3-5 -7-11, Exterior(2E) 7-7	S (envelope) exterior to 3-3-5, Exterior(2F -11 to 10-7-11 zone;	R) LC		fied building desig		,					0449	25

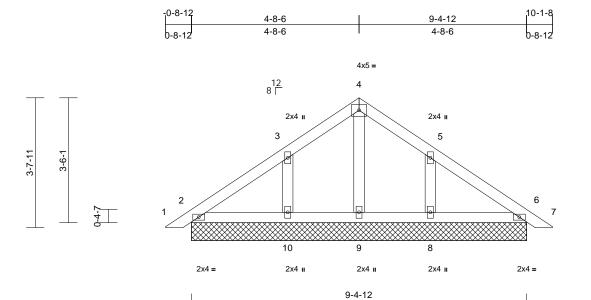
M. SE February 17,2022

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	PB2	Piggyback	2	1	Job Reference (optional)	150287569

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Scale =	1:32.3
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 42 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she	athing directly appli	Vasd=103 Cat. II; E> zone and 3-5-8 to 7 cantilever	CE 7-16; Vult=130m 3mph; TCDL=6.0psf p B; Enclosed; MWI C-C Exterior(2E) 0- -5-8, Exterior(2E) 7- left and right expos sed C-C for membe	; BCDL=6 FRS (env 3-5 to 3-5 5-8 to 10 ed ; end v	6.0psf; h=25ft elope) exterio 5-8, Exterior(2 -7-11 zone; vertical left ar	; or :R) id	Det	ail for Co	onnect lified b		Fruss Connection as applicable, or

	6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS	(lb/size)	2=134/9-4-12, 6=134/9-4-12, 8=228/9-4-12, 9=85/9-4-12, 10=228/9-4-12, 11=134/9-4-12, 15=134/9-4-12
	Max Horiz	2=-81 (LC 12), 11=-81 (LC 12)
	Max Uplift	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	2=180 (LC 21), 6=180 (LC 22),
		8=350 (LC 22), 9=96 (LC 27),
		10=350 (LC 21), 11=180 (LC 21),
		15=180 (LC 22)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-2=0/16,	2-3=-74/53, 3-4=-98/91,
	4-5=-98/9	1, 5-6=-67/49, 6-7=0/16
BOT CHORD	2-10=-21/	62, 9-10=-21/62, 8-9=-21/62,
	6-8=-21/6	2
WEBS	4-9=-72/0	, 3-10=-265/126, 5-8=-265/126

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

- 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 overhangs 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) N/A

- 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.
- Contraction of the second MULLIUM III SEAL 044925 mm February 17,2022

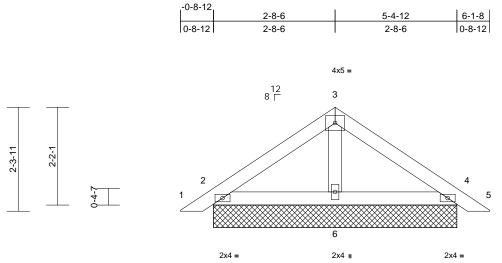


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	PB3	Piggyback	8	1	Job Reference (optional)	150287570

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JC?f





5-4-12

Scale = 1:25.5

Loading TCLL (roof)		(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.12	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190
Snow (Pf)		20.0	Lumber DOL	1.15		BC	0.14	Vert(CT)	n/a	-	n/a	999	-	
TCDL		10.0	Rep Stress Incr	YES		WB	0.02	Horz(CT)	0.00	2	n/a	n/a		
BCLL		0.0*	Code	IRC20	18/TPI2014	Matrix-MP								FT 000/
BCDL		10.0		-			-			-			Weight: 23 lb	FT = 20%
LUMBER				4	4) TCLL: ASCE	7-16; Pr=20.0 p	sf (roof Ll	.: Lum DOL=	1.15					
TOP CHORD	2x4 SP N	lo.2			Plate DOL=	1.15); Pf=20.0 psf	(Lum DC	DL=1.15 Plate	9					
BOT CHORD	2x4 SP N	lo.2				Is=1.0; Rough Ca	at B; Fully	Exp.; Ce=0.9	9;					
OTHERS	2x4 SP N	lo.3			Cs=1.00; Ct									
BRACING				Ę		snow loads have	been cor	nsidered for the	his					
TOP CHORD	Structura	al wood she	athing directly applied	or	design.									
	6-0-0 oc	purlins.		6		as been designed								
BOT CHORD	Rigid cei	ling directly	applied or 10-0-0 oc			psf or 1.00 times			st on					
	bracing.			-		on-concurrent wit								
REACTIONS	(lb/size)	2=150/5-4	4-12, 4=150/5-4-12,			es continuous bo spaced at 4-0-0 d		d bearing.						
		6=189/5-4	4-12, 7=150/5-4-12,			as been designed		and hottom						
		11=150/5		:		ad nonconcurrent			de					
	Max Horiz	2=-50 (LC	C 12), 7=-50 (LC 12)			has been designe								
	Max Uplift		C 14), 4=-36 (LC 15),			n chord in all are			ры					
		``	C 14), 11=-36 (LC 15)			by 2-00-00 wide v			om					
	Max Grav		C 21), 4=212 (LC 22),			ny other members								
			C 21), 7=212 (LC 21),		1) N/A	,								
		11=212 (l	,		,									
FORCES	(lb) - Ma: Tension	ximum Corr	pression/Maximum											
TOP CHORD	1-2=0/25 4-5=0/25		71, 3-4=-107/71,			designed in acco Residential Code			and					
BOT CHORD	2-6=-12/-	45, 4-6=-3/4	45			nd referenced sta							WITH CA	1111
WEBS	3-6=-84/					d Industry Piggyb							WITH CA	Roit
NOTES						nnection to base						10	A	Size Mary
	ed roof live	loads have	been considered for		consult qual	fied building desi	gner.					58-	U ress	Milling and
this desig				I	OAD CASE(S)	Standard					_	er	al is	- enter
		ult=130mph	(3-second gust)		(-)								. <b>X</b>	- 11 - 1
			CDI =6 0psf: h=25ft									4	CEA	1 1 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) 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.



ENGINEERING BY EREPACED A Mitek Attiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type Qty Ply DRB GROUP - 93 FaNC		DRB GROUP - 93 FaNC		
22040112	V1	Valley	1	1	Job Reference (optional)	150287571

9-7-10

9-7-10

Carter Components (Sanford), Sanford, NC - 27332

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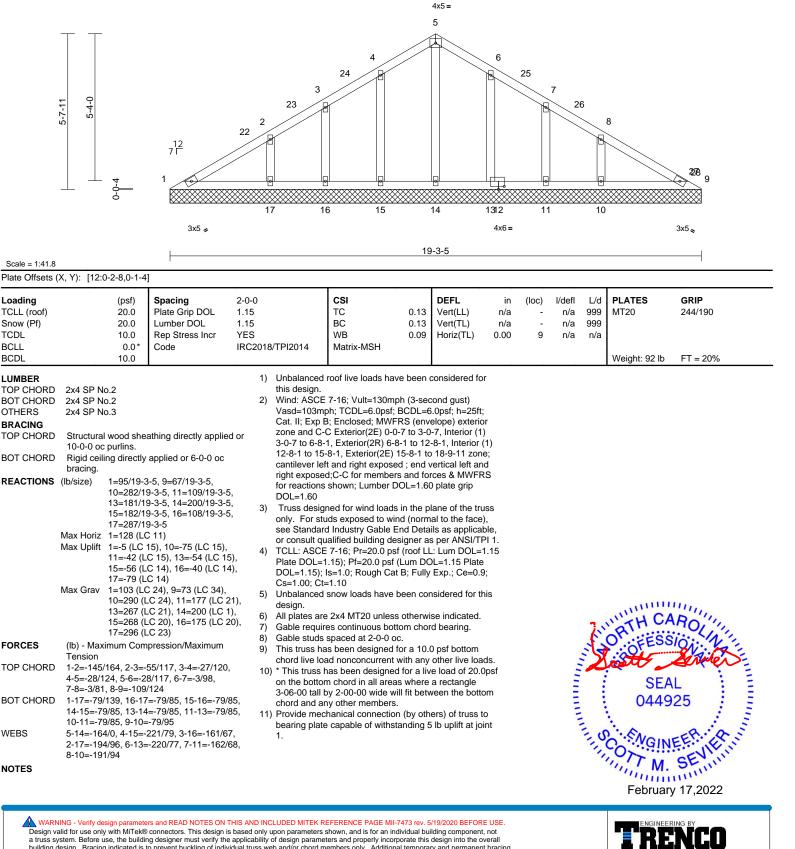
18-9-6

9-1-11

Page: 1

19-3-5 0-5-15

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

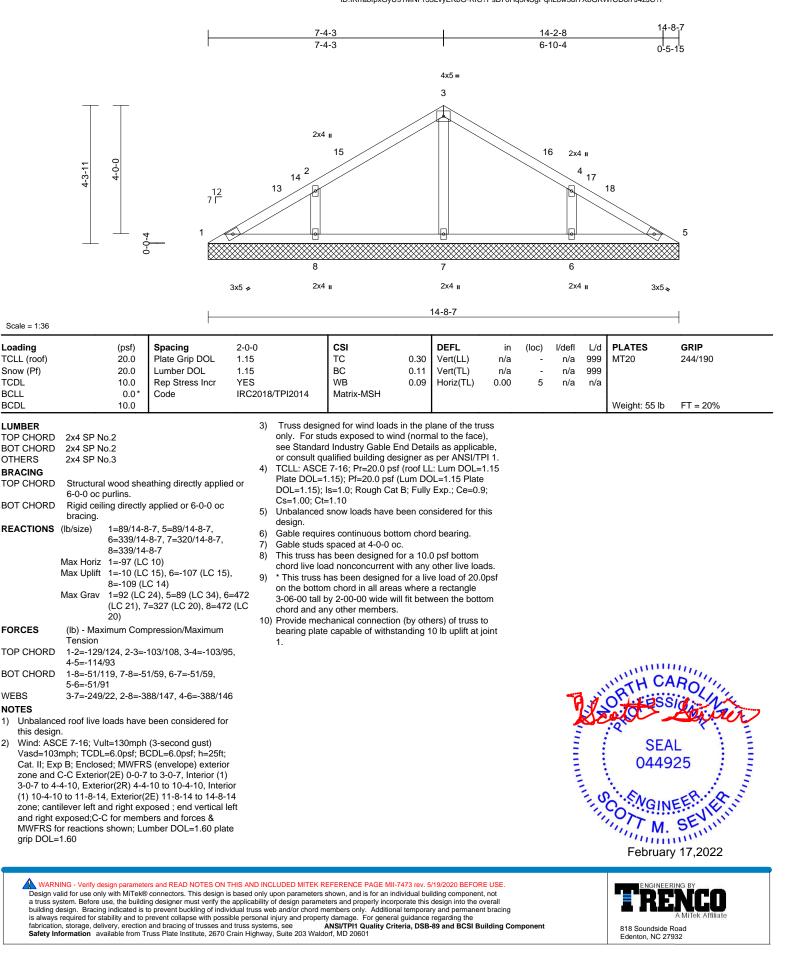
Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 93 FaNC	
22040112	V2	Valley	1	1	Job Reference (optional)	150287572

1)

2)

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Job	Truss	uss Type Qty Ply DRB GROUP - 93 FaNC	DRB GROUP - 93 FaNC			
22040112	V3	Valley	1	1	Job Reference (optional)	150287573

5-0-13

5-0-13

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

# Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:16 ID:AiKwvLSrSEz9I2DgAjjCxdyEKV3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4x5 = 2

9-7-10

4-6-14



3

GRIP

244/190

FT = 20%

2-8-0 2-11-11 12 7 Г 4 2x4 🛚 3x5 🧔 3x5 🔊 10-1-9 2-0-0 CSI DEFL l/defl L/d PLATES (psf) Spacing in (loc) 20.0 Plate Grip DOL 1.15 TC 0.46 Vert(LL) n/a 999 MT20 n/a 20.0 1 15 BC Lumber DOL 0.43 Vert(TL) n/a n/a 999 10.0 Rep Stress Incr YES WB 0.14 Horiz(TL) 0.00 4 n/a n/a 0.0 Code IRC2018/TPI2014 Matrix-MSH 10.0 Weight: 34 lb TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate 2x4 SP No.2 2x4 SP No.2 DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; 2x4 SP No.3 Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this 5) desian. Structural wood sheathing directly applied or Gable requires continuous bottom chord bearing. 6) 10-0-0 oc purlins. 7) Gable studs spaced at 4-0-0 oc. Rigid ceiling directly applied or 6-0-0 oc 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 1=35/10-1-9, 3=35/10-1-9, \* This truss has been designed for a live load of 20.0psf 4=740/10-1-9 on the bottom chord in all areas where a rectangle Max Horiz 1=-66 (LC 10) 3-06-00 tall by 2-00-00 wide will fit between the bottom 1=-46 (LC 21), 3=-46 (LC 20), chord and any other members. 4=-73 (LC 14) 10) Provide mechanical connection (by others) of truss to 1=122 (LC 20), 3=122 (LC 21), bearing plate capable of withstanding 46 lb uplift at joint 4=787 (LC 21) 1 and 46 lb uplift at joint 3. (Ib) - Maximum Compression/Maximum 1-2=-117/419, 2-3=-117/419 1-4=-270/141, 3-4=-270/141 2-4=-607/209



FORCES

TOP CHORD

BOT CHORD

Scale = 1:32.3 Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

**REACTIONS** (lb/size)

bracing.

Max Uplift

Max Grav

Tension

TCDL

BCLL

BCDL

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-7 to 3-0-7, Exterior(2R) 3-0-7 to 7-2-0, Exterior(2E) 7-2-0 to 10-2-0 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.

818 Soundside Road Edenton, NC 27932

February 17,2022

44925

the second

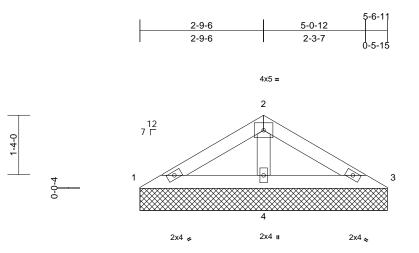
MULLIN III

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 a duss system planteets and property incorporate dust using in the version of the system planteets and property incorporate dust using indicated is to prevent buckling of individual itruss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual itruss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual itruss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual itruss web and/or chord members only. Additional temporary and permanent bracing fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 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 GROUP - 93 FaNC	
22040112	V4	Valley	1	1	I5028 Job Reference (optional)	150287574

1-7-11

Run: 8,53 S Dec 6 2021 Print: 8,530 S Dec 6 2021 MiTek Industries, Inc. Thu Feb 17 00:12:17 ID:65SgK1U5\_sDtXMM3H8lg02yEKV1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



5-6-11

Scale = 1:25.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI20	14 Matrix-MP								
BCDL	10.0										Weight: 18 lb	FT = 20%
LUMBER			4) TCLL:	ASCE 7-16; Pr=20.0	psf (roof Ll	.: Lum DOL=1	1.15					
TOP CHORD	2x4 SP No.2			DOL=1.15); Pf=20.0 p								
BOT CHORD	2x4 SP No.2			1.15); ls=1.0; Rough (	Cat B; Fully	Exp.; Ce=0.9	);					
OTHERS	2x4 SP No.3			00; Ct=1.10								
BRACING				anced snow loads hav	e been cor	nsidered for th	NIS					
TOP CHORD		neathing directly appl	ied or desigr 6) Gable	i. requires continuous b	ottom chou	d boaring						
	5-6-11 oc purlins.		Z) Cabla	studs spaced at 4-0-0		u beanng.						
BOT CHORD	<ol> <li>Rigid ceiling direc bracing.</li> </ol>	ly applied or 6-0-0 oc	8) This tr	uss has been designe	ed for a 10.							
REACTIONS		6-11, 3=54/5-6-11,		live load nonconcurre truss has been desigr								
	4=336/5		on the	bottom chord in all ar	eas where	a rectangle	•					
	Max Horiz 1=-35 (	C 12) C 14), 3=-13 (LC 15),		0 tall by 2-00-00 wide		veen the botto	om					
	(LC 14)		choru	and any other membe								
		C 20), 3=94 (LC 21),	4=338 bearin	e mechanical connect g plate capable of with 3 lb uplift at joint 3.								
FORCES	(lb) - Maximum Co Tension	mpression/Maximum	and is	o ib upint at joint 5.								
TOP CHORD	) 1-2=-97/138, 2-3=	-97/138										
BOT CHORD	1-4=-105/85, 3-4=	-105/85										
WEBS	2-4=-213/106											
NOTES											minin	1111
,	ced roof live loads hav	ve been considered for	nc								I'L'H CA	APOUL
this desig										N	a1	OL III
	SCE 7-16; Vult=130m 3mph; TCDL=6.0psf;									3.	D'. FESS	Sion Vit
	xp B; Enclosed; MWF									- 1	iall	. 2 y: R -
	C-C Exterior(2E) zoi									X	cour,	en s
	; end vertical left and										SEA	u : =
	and forces & MWFR								=	:		• • • •
	DOL=1.60 plate grip [								=		0449	25 : 3
	esigned for wind loads								-			- 1 E
	r studs exposed to wi											ala S
	dard Industry Gable E									-0	O'SNGIN	FERICAS
or consul	It qualified building de	signer as per ANSI/T	PI I.							11	0	- Allen
										1.1	TIM	SE N

818 Soundside Road Edenton, NC 27932

Fobr February 17,2022

