

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 22030103 DRB GROUP - 98 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: I51224105 thru I51224146

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

North Carolina COA: C-0844



April 7,2022

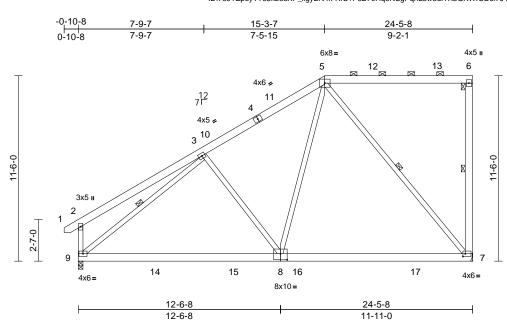
Gilbert, Eric

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 GROUP - 98 FaNC	
22030103	A01	Piggyback Base	12	1	Job Reference (optional)	151224105

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:00 ID:7s9YZp8yTT6bkb8sXP_ligyEN4k-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale =	1:71.4
---------	--------

Plate Offsets (X, Y): [7:0-1-12,0-2-0], [8:0-5-0,0-4-8]

												-	
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 IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.83 0.88 0.89	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.21 -0.36 0.02	(loc) 8-9 8-9 7	l/defl >999 >807 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 212 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	TOP CHORD 2x6 SP No.2 BOT CHORD 2x6 SP No.2 WEBS 2x4 SP No.3 *Except* 6-7:2x6 SP No.2, 8-5,7-5:2x4 SP No.2				7-16; Pr=20.0 psf I.15); Pf=20.0 psf (Is=1.0; Rough Cat =1.10 snow loads have b	Lum DC B; Fully	DL=1.15 Plate Exp.; Ce=0.	e 9;					
BRACING TOP CHORD Structural wood sheathing directly applied o 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.				 design. 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. 									
2-0-0 oc purlins (6-0-0 max.): 5-6. BOT CHORD Rigid ceiling directly applied or 9-6-8 oc bracing. WEBS 1 Row at midpt 6-7, 3-9, 5-7 REACTIONS (lb/size) 7=963/ Mechanical, 9=1013/0-3-8 Max Horiz Wax Uplift 7=-168 (LC 11), 9=-99 (LC 14) Max Grav 7=1190 (LC 37), 9=1239 (LC 40)				 6) Provide adequate drainage to prevent water ponding. 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * 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. 9) Refer to girder(s) for truss to truss connections. 									
FORCES TOP CHORD	(lb) - Maximum Com Tension 1-2=0/25, 2-3=-303/		10	 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 7. 									
BOT CHORD WEBS	5-6=-170/172, 6-7=-398/122, 2-9=-356/137 BOT CHORD 7-9=-249/1121 WEBS 3-9=-1131/49, 5-8=-61/938, 3-8=-363/279,			 11) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9. This connection is for uplift only and does not consider lateral forces. 								Roin	
 5-7=-993/153 NOTES 1) 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 			r 13	 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. 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 						• –			

Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-1 to 2-3-15, Interior (1) 2-3-15 to 12-3-7, Exterior(2R) 12-3-7 to 18-3-7, Interior (1) 18-3-7 to 21-2-12, Exterior(2E) 21-2-12 to 24-2-12 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

LOAD CASE(S) Standard

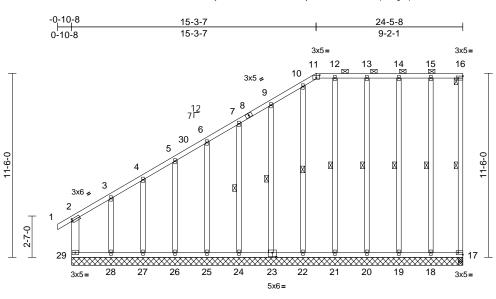




Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	A02	Piggyback Base Structural Gable	1	1	Job Reference (optional)	151224106

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:02 ID:uyiQOAflaNPen2Lx?DkcPXyEN44-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



24-5-8

Scale = 1:72

ŀ Plate Offsets (X, Y): [2:0-0-14,0-1-8], [11:0-2-8,0-2-1], [16:Edge,0-1-8], [17:Edge,0-1-8], [23:0-3-0,0-3-0]

		(Question			0.01		DEFL		() -	-) 1/-161	1.74	DI ATEO	GRIP
Loading		(psf)	Spacing	1-11-4		CSI	0.70		in			L/d	PLATES	
TCLL (roof)		20.0	Plate Grip DOL	1.15		TC	0.72	Vert(LL)		28-2		240	MT20	244/190
Snow (Pf)		20.0	Lumber DOL	1.15		BC	0.51	Vert(CT)	0.02			180		
TCDL		10.0	Rep Stress Incr	YES		WB	0.17	Horz(CT)	-0.01	1	17 n/a	n/a		
BCLL BCDL		0.0* 10.0	Code	IRC201	18/TPI2014	Matrix-MR							Weight: 237 lb	FT = 20%
		10.0	1										Ŭ	
	0.4 00 1	- 0		F	ORCES	(lb) - Maximum Co Tension	ompressi	on/Maximum						of LL: Lum DOL=1.15 n DOL=1.15 Plate
TOP CHORD	2x4 SP N			т	OP CHORD	1-2=0/32, 2-3=-39	0/250 2	1- 226/142						Fully Exp.; Ce=0.9;
BOT CHORD WEBS	2x4 SP N		44 00 0.000 CD Na 0		OF CHORD	4-5=-239/152, 5-6			125		Cs=1.00; C			ully Lxp., 06=0.3,
OTHERS			ot* 29-2:2x6 SP No.2			7-9=-195/133, 9-1			155,					n considered for this
UTHERS	2x4 SP No.3 *Except* 18-15,19-14,20-13,21-12,22-10:2x4 SP No.					10-11=-160/166,		,		'	design.	0 3110 1		
	10-15,19	-14,20-13,2	21-12,22-10.284 3P P	10.2		12-13=-152/169,		,				has hee	en designed for a	reater of min roof live
	BRACING					14-15=-152/169,								oof load of 20.0 psf on
TOP CHORD	DRD Structural wood sheathing directly applied o 6-0-0 oc purlins, except end verticals, and					16-17=-137/134, 2							oncurrent with oth	
				nd B	OT CHORD	28-29=-150/165, 2					•			ent water ponding.
	2-0-0 oc purlins (6-0-0 max.): 11-16. RD Rigid ceiling directly applied or 10-0-0 oc					26-27=-150/165, 2		,					MT20 unless oth	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.					24-25=-150/165, 2		,						e face or securely
	0					21-22=-151/166, 2		,						.e. diagonal web).
WEBS	1 Row at	midpt	16-17, 15-18, 14-19,			19-20=-151/166,							ed at 2-0-0 oc.	ioi alagonal noo/i
			13-20, 12-21, 10-22,			17-18=-151/166		,					en designed for a	10.0 psf bottom
9-23, 7-24			V	VEBS	15-18=-182/113,	14-19=-1	76/58,						any other live loads.	
REACTIONS	(lb/size)		-5-8, 18=162/24-5-8,			13-20=-177/55, 12	2-21=-16	9/74,						a live load of 20.0psf
			4-5-8, 20=154/24-5-8			10-22=-158/58, 9	23=-178	/89, 7-24=-17	7/65,				ord in all areas wh	
			4-5-8, 22=155/24-5-8			6-25=-171/72, 5-2	26=-135/8	3, 4-27=-124	/15,					between the bottom
			4-5-8, 24=157/24-5-8			3-28=-268/318				(chord and	any oth	ner members.	
			4-5-8, 26=155/24-5-8		IOTES							-		
		27=154/2 29=156/2	24-5-8, 28=160/24-5-8	[,] 1) Unbalance	d roof live loads ha	ve been	considered fo	r				minin	1111.
	May Hariz	29=150/2			this design								IN'TH CA	ROUL
		(LC 13) LC 11), 18=-52 (LC 10	. 2) Wind: ASC	E 7-16; Vult=130m	ph (3-seo	cond qust)				1	a	. 90 in
	iviax Opiin		_C 11), 18=-52 (LC 10 _C 11), 20=-39 (LC 10		Vasd=103r	nph; TCDL=6.0psf;	BCDL=6	.0psf; h=25ft;				×.	O'.EESS	6: 10%
			LC 11), 20=-39 (LC 10 LC 11), 22=-35 (LC 10		Cat. II; Exp	B; Enclosed; MWF	RS (env	elope) exterio	r		/	$\leq \leq$		Tis 2 m
			_C 14), 22=-35 (LC 14		zone and C	C Exterior(2E) -0-	10-8 to 2	-1-8, Interior	(1)		2		121 -	
			_C 14), 26=-73 (LC 14		2-1-8 to 12	-3-7, Exterior(2R) 1	2-3-7 to	18-5-8, Interio	or					1 1 4
			_C 10), 28=-514 (LC 1			o 21-3-12, Exterior							SEA	L : =
		29=-265		• • ,,		lever left and right			left		-		0363	22 =
	Max Grav		C 35), 18=223 (LC 35	5)		<pre>kposed;C-C for me</pre>							0505	
			LC 35), 20=216 (LC 3			or reactions shown; Lumber DOL=1.60 plate						-	1	1 3
	21-208 (IC 35) 22-195 (IC 36) g			grip DOL=							1	A. 6.	Airs	
23=216 (LC 36), 24=217 (LC 36),					designed for wind loads in the plane of the truss					s SEAL 036322 s A. GILBERT				
	25=209 (LC 36), 26=184 (LC 40),				For studs exposed to wind (normal to the face),				SEAL 036322					
	27=203 (LC 25), 28=462 (LC 12),				andard Industry Gable End Details as applicable, sult qualified building designer as per ANSI/TPI 1.							The A. G	LDin	
		29=532 (LC 11)		or consult of	quaimed building de	esigner a	s per ANSI/TH	11.				1111111	UTIT,

April 7,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC		
22030103	A02	Piggyback Base Structural Gable	1	1	Job Reference (optional)	151224106	
Carter Components (Sanford), S	anford, NC - 27332,	Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:02					

ID:uyiQOAflaNPen2Lx?DkcPXyEN44-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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

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.

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 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

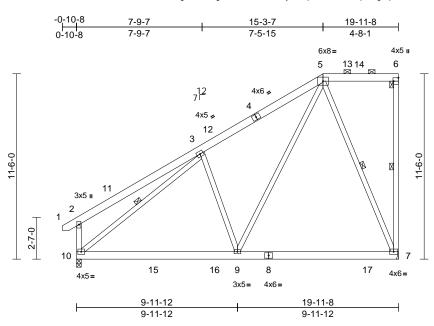


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	B01	Piggyback Base	7	1	Job Reference (optional)	151224107

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:02 ID:gfOscPOdgdYC2AMcQTKNEuyEN1q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



Scale = 1:71.4

Plate Offsets (X, Y): [6:Edge,0-3-8]

													-
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	2-0-0 1.15 1.15 YES IRC2018/		CSI TC BC WB Matrix-MSH 7-16; Pr=20.0 psf	0.72 0.60 0.55	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.20 0.01	(loc) 7-9 7-9 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 178 lb	GRIP 244/190 FT = 20%
TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x6 SP No.2 2x4 SP No.2 *Excep No.3	SP 4) or 5)	Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0	.15); Pf=20.0 psf (s=1.0; Rough Cat	Lum DC B; Fully been co or great at roof I	DL=1.15 Plate Exp.; Ce=0. Insidered for t er of min roo bad of 20.0 p	e 9; :his f live						
BOT CHORD WEBS REACTIONS	Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 7=786/ M Max Horiz 10=400 (L Max Uplift 7=-144 (L	applied or 10-0-0 oc 6-7, 5-7, 3-10 echanical, 10=837/0-3 _C 11) C 14), 10=-85 (LC 14	7) 3-8 8)	This truss ha chord live loa * This truss h on the bottor 3-06-00 tall t chord and ar	quate drainage to p is been designed f ad nonconcurrent v has been designed in chord in all areas by 2-00-00 wide wi by other members, er(s) for truss to tr	or a 10. with any for a liv s where Il fit betv with BC	0 psf bottom other live loa e load of 20. a rectangle veen the bott DL = 10.0ps	ads. Opsf					
Max Grav 7=972 (LC 40), 10=1037 (LC 40) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/25, 2-3=-249/137, 3-5=-976/211, 5-6=-163/177, 6-7=-187/89, 2-10=-325/135 BOT CHORD 9-10=-201/936, 7-9=-144/375 WEBS 5-7=-882/175, 3-10=-993/0, 3-9=-409/291, 5-9=-161/979			5 11)	Provide mec bearing plate joint 7. One H2.5A S recommende UPLIFT at jt(A connection a capable of withsta Simpson Strong-Tid d to connect truss s) 10. This connect sider lateral force	i (by oth anding e conne to bear ction is f	ers) of truss 44 lb uplift a ctors ing walls due	t e to				TH CA	ROY
 NOTES Unbalanced roof live loads have been considered for this design. 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) -0-8-1 to 2-3-15, Interior (1) 2-3-15 to 11-0-8, Exterior(2R) 11-0-8 to 16-9-12, Exterior (2E) 16-9-12 to 19-9-12 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 			13)) LOA	International R802.10.2 a Graphical pu		section: dard Al does n	R502.11.1 a SI/TPI 1. ot depict the			L'anna anna anna anna anna anna anna ann		SEA 0363	• –

- Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-1 to 2-3-15, Interior (1) 2-3-15 to 11-0-8, Exterior(2R) 11-0-8 to 16-9-12, Exterior (2E) 16-9-12 to 19-9-12 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
- of the purlin along the top and/or bottom chord.
- LOAD CASE(S) Standard



G١ minim April 7,2022

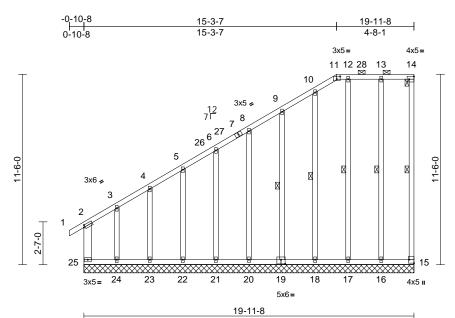
Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	B02	Piggyback Base Supported Gable	1	1	Job Reference (optional)	151224108

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:03 ID:2VuldpuPTjAcxEqRhVYSG2yEN?u-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

April 7,2022

818 Soundside Road Edenton, NC 27932



Scale = 1:69.7

Plate Offsets (X, Y): [2:0-0-14,0-1-8], [11:0-2-8,0-2-1], [14:Edge,0-2-0], [15:Edge,0-3-8], [19:0-3-0,0-3-0]

		1	C · D									
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	0.84	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	15	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	4 Matrix-MR								
BCDL	10.0										Weight: 188 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.3 *Excep SP No.2 Structural wood she 6-0-0 oc purlins, ex	ot* 14-15:2x4 SP No.2 ot* 18-10,17-12,16-13 eathing directly applied coept end verticals, ar	:2x4 BOT CHOR d or	3-4=-247/157, 4-5 6-8=-218/142, 8-5 10-11=-178/202, 12-13=-162/196, 14-15=-144/168	5=-250/16 9=-199/13 11-12=-1 13-14=-1 23-24=-1 21-22=-1 18-20=-1	32, 5-6=-228/1 37, 9-10=-195/ 62/196, 62/196, 62/196, 62/194, 62/194, 62/194,	45, 174,	load ove 7) Pro 8) All (9) Gat 10) Tru bra 11) Gat	d of 12.0 rhangs i vide ade plates ai ole requi ss to be ced aga ole stude) psf or non-co equate re 2x4 ires co fully sl inst late s space	 1.00 times flat re incurrent with oth drainage to prev MT20 unless oth ntinuous bottom heathed from one 	ent water ponding. erwise indicated. chord bearing. e face or securely .e. diagonal web).
BOT CHORD	bracing.	applied or 6-0-0 oc	WEBS	15-16=-161/193 8-20=-184/83, 6-2 4-23=-125/33, 3-2	21=-167/7	76, 5-22=-133/		cho 13) * Th	ord live lo nis truss	bad noi has be	nconcurrent with een designed for	any other live loads. a live load of 20.0psf
WEBS	1 Row at midpt	14-15, 9-19, 10-18, 12-17, 13-16		10-18=-178/57, 1	2/05,	on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom						
	17=161/1 19=160/1 21=160/1 23=165/1 25=145/1 Max Horiz 25=408 (Max Uplift 15=-35 () 17=-74 () 23=-7 (L(23=-7 (L(25=-352) Max Grav 15=83 (L 17=197 () 19=222 (21=207 ()	LC 11) LC 11), 16=-63 (LC 10 LC 11), 18=-34 (LC 12 LC 14), 20=-56 (LC 14 LC 14), 22=-73 (LC 12 C 14), 24=-613 (LC 11 (LC 12) C 35), 16=234 (LC 35 LC 35), 18=218 (LC 35 LC 36), 22=181 (LC 35 LC 36), 22=181 (LC 35 LC 36), 22=181 (LC 35 LC 36), 24=514 (LC 35 LC 36), 24=514 (LC 35 LC 36), 24=514 (LC 35 LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35) LC 36), 24=514 (LC 35)	I-8, I-8, I-8, I) Unbalar this des I-8, I-8, 1) Unbalar this des I-8, I-8, 2) Wind: A Vasd=1 Cat. II; Cat. II; Or corner(D, Corner(C) Corne) Corner(C) Corner(C) C) Corne C) Corner(C) Corn	SCE 7-16; Vult=130m 03mph; TCDL=6.0psf; Exp B; Enclosed; MWI d C-C Corner(3E) -0- 11-12 to 12-3-7, Corne 3E) 16-9-12 to 19-9-12 posed ; end vertical lei bers and forces & MV DOL=1.60 plate grip I designed for wind load or studs exposed to wind ndard Industry Gable i ult qualified building de SCE 7-16; Pr=20.0 psf OL=1.15); Pf=20.0 psf	ph (3-sec ; BCDL=6 FRS (env 10-8 to 1- rr(3R) 12- 2 zone; c 2 zone; c ft and rig VFRS for DOL=1.6 s in the p ind (norm End Deta esigner a sf (roof LI	cond gust) S.0psf; h=25ft; elope) exterior 11-12, Exterior -3-7 to 16-9-12 antilever left a nt exposed;C-1 reactions shor 0 lane of the true all to the face) ills as applicab s per ANSI/TP _: Lum DOL=1 DL=1.15 Plate	r rr 2, nd C wn; ss s, le, 11. .15	14) N/#	A	- Int	SEA 0363	
FORCES	(lb) - Maximum Cor Tension	npression/Maximum	Cs=1.00	-,							A. C	FERENCIAL STREET

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC		
22030103	B02	Piggyback Base Supported Gable	1	1	Job Reference (optional)	151224108	
Carter Components (Sanford), S	anford, NC - 27332,	Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:03					

ID:2VuldpuPTjAcxEqRhVYSG2yEN?u-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

15) ^{N/A}

- 16) 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.
- 17) 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



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	C01	Common	6	1	Job Reference (optional)	I51224109

Scale = 1:73.7

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:03 ID:ecZulQRhcRtdtdrTWhmsqdyEMuk-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

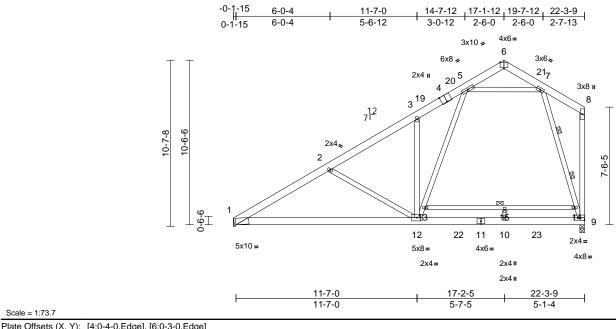


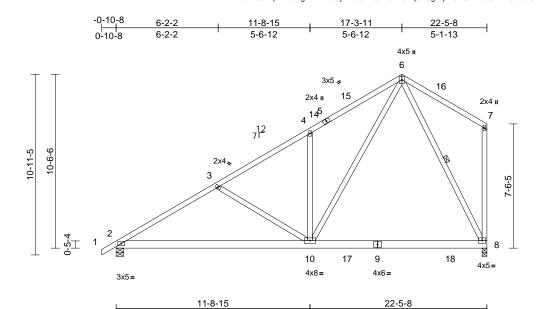
Plate Offsets (2	X, Y): [4:0-4-0,Edge],	[6:0-3-0,Edge]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MSH	0.84 0.55 0.93	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.23 -0.48 0.02	(loc) 12-18 10-12 9	l/defl >999 >558 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 191 lb	GRIP 244/190 FT = 20%
	2 Rows at 1/3 pts	t* 9-8:2x4 SP No.1, athing directly applied cept end verticals. applied or 10-0-0 oc 13-14 7-9 echanical, 9=1037/0- C 13) C 21), 9=1039 (LC 21	3) 3-8 ⁴⁾ 5)	Vasd=103mp Cat. II; Exp E zone and C-1 3-1-15 to 14 Exterior(2E) right exposer for members Lumber DOL TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design. 200.0lb AC u 16-11-0 from apart.	7-16; Vult=130mp bh; TCDL=6.0psf; E 3; Enclosed; MWFF C Exterior(2E) 0-1- 3-11, Exterior(2R) 19-3-12 to 22-3-12 d; end vertical left and forces & MWH =1.60 plate grip Di 7-16; Pr=20.0 psf (15); Pf=20.0 psf (15); Pf=20.0 psf (1s=1.0; Rough Cat =1.10 snow loads have b unit load placed on left end, supporte as been designed for	CDL=6 RS (env 15 to 3- 14-3-1 ⁻¹ zone; c and righ -RS for DL=1.6 (roof LI Lum DC B; Fully een cor the bott d at two	:.0psf; h=25ft elope) exterior 1-15, Interioro to 19-3-12, antilever left tt exposed;C reactions ship) :: Lum DOL= DL=1.15 Plate Exp.; Ce=0. asidered for t om chord, points, 5-0-0	or (1) and -C own; 1.15 9; his					
TOP CHORD BOT CHORD WEBS NOTES	Tension 1-2=-1497/72, 2-3=- 5-6=-10/267, 6-7=-4 8-9=-51/563 1-12=-165/1270, 10- 9-10=-29/463 3-12=-863/222, 12-1 5-13=-69/1470, 2-12 7-14=-1461/86, 9-14 14-15=-21/0, 5-7=-3 ed roof live loads have	1181/14, 3-5=-1441/ 41/72, 7-8=-82/322, .12=-30/463, 3=-82/1442, 2=-397/218, =-1485/71, 13-15=-2 76/98, 10-15=0/53	131, 7) 8) 9) 0/0, 10 11	chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Refer to gird Provide mec bearing plate 1.) This truss is International R802.10.2 ar	ad nonconcurrent v has been designed in chord in all areas by 2-00-00 wide will by other members. er(s) for truss to tru- hanical connection e capable of withstand designed in accord Residential Code and ne referenced stan in inside of top chor vertical web shall no	vith any for a liv where I fit betw Iss conr (by oth anding 4 lance w sections dard AN d bearin	other live load e load of 20. a rectangle ween the bott nections. ers) of truss 3 lb uplift at ith the 2018 c R502.11.1 a ISI/TPI 1. ng and first	0psf om to joint		N 111111	The second secon	SEA 0363	22 EER. Kuu

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



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	C02	Common	4	1	Job Reference (optional)	151224110

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:03 ID:BbDw5a4NpwtTaMgPxYhWo5yEMsd-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.61	Vert(LL)	-0.18	8-10	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.26	8-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.02	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 155 lb	FT = 20%

LOWIDEN	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 10-6,6-8:2x4 SP No.2
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	4-4-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
WEBS	1 Row at midpt 6-8
REACTIONS	(lb/size) 2=916/0-5-8, 8=864/0-3-8
	Max Horiz 2=324 (LC 13)
	Max Uplift 2=-107 (LC 14), 8=-107 (LC 14)
	Max Grav 2=1048 (LC 24), 8=1057 (LC 24)
FORCES	(Ib) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/26, 2-3=-1414/173, 3-4=-1157/126,
	4-6=-1196/261, 6-7=-180/190, 7-8=-241/135
BOT CHORD	2-10=-242/1340, 8-10=-76/430
WEBS	4-10=-441/220, 6-10=-211/1220,
	3-10=-380/192, 6-8=-888/97
NOTES	

- 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) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 14-3-11, Exterior(2R) 14-3-11 to 19-3-12, Exterior(2E) 19-3-12 to 22-3-12 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
- 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

design.

- This truss has been designed for greater of min roof live 5) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 7) 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.
- One H2.5A Simpson Strong-Tie connectors 8) recommended to connect truss to bearing walls due to UPLIFT at it(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 9) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	C03	Common Structural Gable	1	1	Job Reference (optional)	151224111

Scale = 1:69.8

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TOP CHORD BOT CHORD

TCDL

BCLL

BCDL

WEBS

OTHERS

BRACING

TOP CHORD

BOT CHORD

JOINTS

FORCES

TOP CHORD

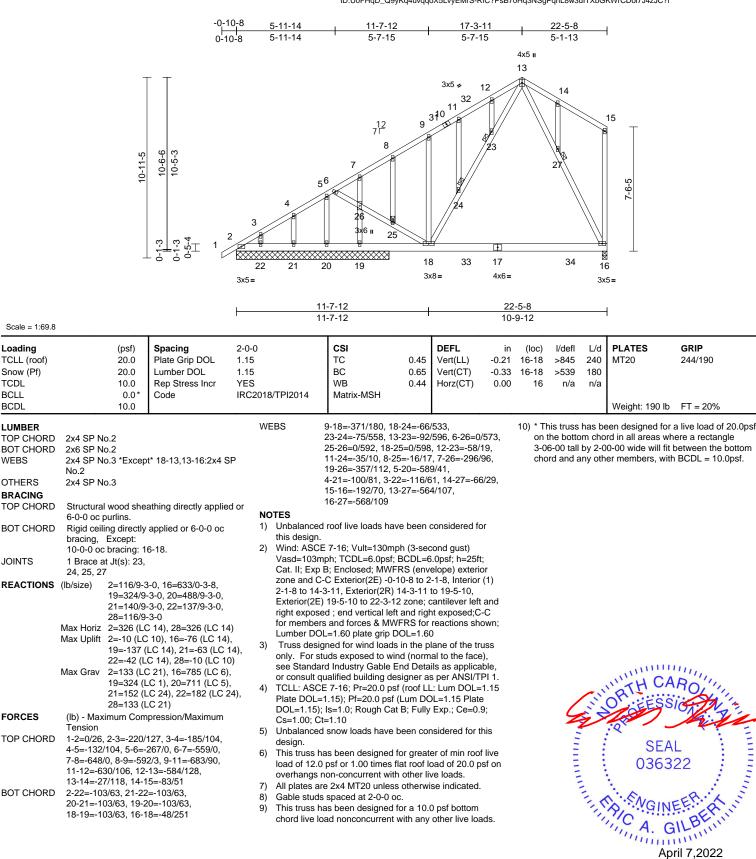
BOT CHORD

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:04 ID:U0FHqD_Q9yKq4uvqqoX5LvyEMrS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

UTITITITI I

818 Soundside Road Edenton, NC 27932

Page: 1

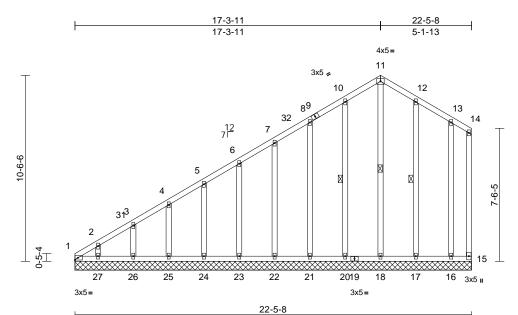


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	C04	Common Supported Gable	1	1	Job Reference (optional)	151224112

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:04 ID:88Z52mkxJJGu7aDx0X9tOCyEMqT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

818 Soundside Road Edenton, NC 27932



Scale = 1:65.3

		· · · · · · · · · · · · · · · · · · ·		- i							i	
Loading	(psf)	Spacing	1-11-4	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0		1.15	TC	0.55	Vert(LL)	n/a	-		999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.00	15	n/a	n/a		
BCLL	0.0*	Code	RC2018/TPI2014	Matrix-MSH		, í						
BCDL	10.0										Weight: 179 lb	FT = 20%
LUMBER TOP CHORE BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE WEBS REACTIONS	 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 cc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 16=125/2 16=125/2 21=154/2 23=155/2 25=154/2 27=142/2 Max Horiz 1=318 (LC Max Uplift 1=-107 (L 18=-31 (L 23=-49 (L 25=-50 (L 27=-74 (L Max Grav 1=181 (LC 16=184 (L 18=176 (I 21=219 (L 23=161 (L 25=161 (L 	applied or 10-0-0 oc 11-18, 10-20, 12-17 5-8, 15=25/22-5-8, 2-5-8, 17=167/22-5-8, 2-5-8, 20=161/22-5-8, 2-5-8, 24=155/22-5-8, 2-5-8, 28=34/22-5-8, 2-5-8, 28=34/22-5-8 C 13), 28=318 (LC 13) C 12), 15=-26 (LC 14), C 10), 17=-58 (LC 14), C 13), 20=-45 (LC 14), C 14), 24=-49 (LC 14), C 14), 26=-46 (LC 14), C 14), 26=-46 (LC 14), C 14), 28=-107 (LC 12)	WEBS NOTES 1) Unbalance this design 2) Wind: ASC Vasd=103r Cat. II; Exp zone and C 3-0-0 to 14 (3E) 19-3-1 exposed ; e members a Lumber DC 3) Truss desi only. For s see Standa or consult c 4) TCLL: ASC	4-5=-230/174, 5-6= 7-8=-190/161, 8-10 10-11=-176/246, 1 12-13=-151/199, 12 14-15=-140/162 1-27=-111/120, 22 23-24=-101/120, 22 21-22=-101/120, 22 21-22=-101/120, 22 18-20=-101/120, 12 11-6=17=-101/120, 11 16-17=-101/120, 12 11-18=-186/99, 10- 8-21=-180/76, 7-22 5-24=-123/72, 4-25 2-27=-115/82, 12-11 d roof live loads have E 7-16; Vult=130mp mph; TCDL=6.0psf; E B; Enclosed; MWFR C-C Corner(3E) 0-0-0- 3-11, Corner(3E) 1-4 1 to 22-3-12 zone; c and vertical left and r nd forces & MWFRS DL=1.60 plate grip D0 gned for wind loads tuds exposed to wini rd Industry Gable En ualified building des E 7-16; Pr=20.0 psf	-217/16 =-178/2 I-12=-1 3-14=-1 27=-10 I-22=-1 2-23=-1 2-23=-1 2-23=-1 2-23=-1 2-23=-1 2-21=-1 7-18=-1 20=-20 =-122/7 7=-211. e been of h (3-sec 3SCDL=6 RS (env) to 3-0- I-3-11 tr antileve ight exp 5 for rea OL=1.60 in the p d (norm and Deta igner a: (roof LI	 58, 6-7=-204/ 204, 76/246, 56/189, 1/120, 01/120, 01/120, 01/120, 01/120, 01/120, 01/120, 01/120, 01/120, 72, 3-26=-125 77, 13-16=-1 considered for cond gust) 6.Opsf, h=25ft elope) exteric 0, Exterior(2t) o 19-3-11, Cc cre left and righ posed; C-C foi lane of the tru lane of the tru lane of the tru applica s per ANSI/TI L: Lum DOL= 	(72, (78, 52/90) r sor v) orner tt. ; uss), ble, P 1. 1.15	8) Ga 9) Th ch 10) * T on 3-(ch	able studs is truss h ord live lo his truss the botto 06-00 tall	s space as bec aad noo has be m cho by 2-0 any oth	een designed for rd in all areas wh 0-00 wide will fit er members.	10.0 psf bottom any other live loads. a live load of 20.0psf bere a rectangle between the bottom
FORCES	(lb) - Maximum Com	pression/Maximum		=1.15); Pf=20.0 psf (l ; Is=1.0; Rough Cat						5.	A. A.	airis
	Tension		Cs=1.00; C		, r uny	LAP., CE=0.8	,			25	A MGIN	EFICAN
			5) Unbalance	d snow loads have b	een cor	nsidered for th	nis			11	A. C	BELIN
			design.	0. 4 MT00							11, A. G	11L IIII
			All plates a	re 2x4 MT20 unless	otherwi	se indicated.					201111	Um.
											Ар	oril 7,2022

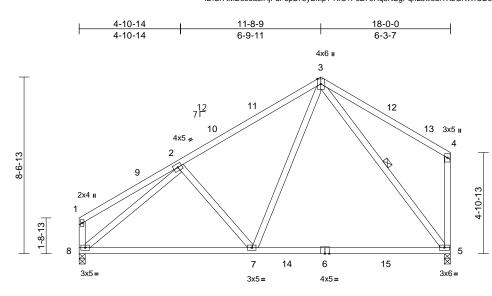
Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	D01	Common	7	1	Job Reference (optional)	151224113

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:04 ID:Sr7tMDseeasrAjFdPspS7byEMp1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

18-0-0

9-5-11

Page: 1



Scale =	1:55.9

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	0.99	Vert(LL)	-0.36	5-7	>596	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.54	5-7	>393	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 111 lb	FT = 20%

LUMBER

LOWIDER	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.1 *Except* 6-5:2x4 SP No.2
WEBS	2x4 SP No.3
BRACING	
TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-5
REACTIONS	(lb/size) 5=708/0-3-8, 8=708/0-3-8
	Max Horiz 8=249 (LC 11)
	Max Uplift 5=-61 (LC 14), 8=-66 (LC 14)
	Max Grav 5=836 (LC 6), 8=821 (LC 5)
FORCES	(Ib) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-141/65, 2-3=-844/152, 3-4=-205/171,
	4-5=-283/134, 1-8=-147/51
BOT CHORD	7-8=-138/813, 5-7=-48/456
WEBS	2-8=-922/91, 3-7=-36/608, 2-7=-256/208, 3-5=-673/56

NOTES

- 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) 2-1-7 to 5-1-7, Interior (1) 5-1-7 to 10-8-5, Exterior(2R) 10-8-5 to 16-9-15, Exterior (2E) 16-9-15 to 19-9-15 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
- 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.
- This truss has been designed for a 10.0 psf bottom 5)
- chord live load nonconcurrent with any other live loads. 6) * 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. 7) One H2.5A Simpson Strong-Tie connectors
- recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 8. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 8) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

8-6-5

8-6-5

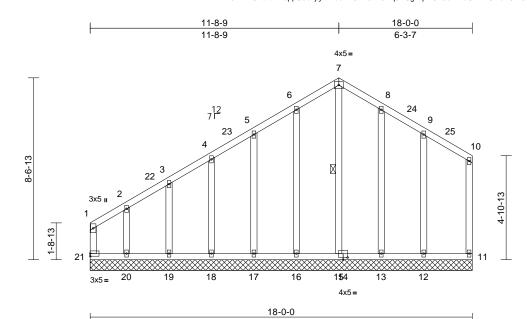




Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	D02	Common Supported Gable	1	1	Job Reference (optional)	151224114

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:05 ID:91F41SBaltF?vsppU0onjlyEMoc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scolo	= 1:54.3	

Plate Offsets (X, Y): [14:0-2-8,0-1-4]

·												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0		2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MR	0.41 0.24 0.21	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 131 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, exx Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 11=75/18 13=162/11 18=166/11 20=156/11 Max Horiz 21=249 (L 13=-52 (L 16=-49 (L 13=-52 (L 18=-77 (L 20=-271 (L 18=174 (L 20=311 (L) 18=174 (L 20=311 (L) 12=-251/207, 2-3=- 4-5=-158/151, 5-6=- 7-8=-160/260, 8-9=- 10-11=-98/119, 1-21 20-21=-68/80, 19-20 17-18=-68/80, 16-17	applied or 10-0-0 oc 7-15 0-0, 12=180/18-0-0, 3-0-0, 15=148/18-0-0, 3-0-0, 17=159/18-0-0, 3-0-0, 19=161/18-0-0, 3-0-0, 21=50/18-0-0 C 11) C 14), 12=-49 (LC 15) C 15), 15=-24 (LC 13) C 14), 17=-50 (LC 14) C 14), 19=-21 (LC 14) LC 11), 21=-231 (LC 14) LC 11), 21=-231 (LC 14) LC 24), 12=249 (LC 21), C 21), 15=172 (LC 23) C 20), 17=226 (LC 20) C 27), 19=161 (LC 1), C 12), 21=323 (LC 11) pression/Maximum 178/145, 3-4=-174/150 146/209, 6-7=-160/255 133/207, 9-10=-110/14	 this design. or 2) Wind: ASCI Vasd=103m Cat. II; Exp zone and C 5-1-7 to 10-(3E) 16-9-1 exposed; e members a Lumber DC 3) Truss design only. For si see Standa or consult of 7 the trust of th	E 7-16; Vult=130mpl pph; TCDL=6.0psf; E B; Enclosed; MWFF -C Corner(3E) 2-1-7 8-5, Corner(3R) 10- 5 to 19-9-15 zone; c nd vertical left and r nd forces & MWFRS L=1.60 plate grip D0 gned for wind loads uds exposed to win rd Industry Gable Er ualified building des E 7-16; Pr=20.0 psf (1 Is=1.0; Rough Cat	e been h (3-see 3CDL=6 CS (env to 5-1- 8-5 to - antilev ight exp 5 for rea OL=1.6 in the p 0L=1.6 in the p 0 (norm nd Deta isigner a (roof LI Lum DC B; Fully been color on e fac nt (i.e. c is where is where	33, 2-20=-198 44 considered fo cond gust) 5.0psf; h=25ft; elope) exterior 7, Exterior(2N 16-9-15, Corru- releft and righ- posed;C-C for actions shown 0 lane of the tru, al to the face- ills as applical s per ANSI/TF :: Lum DOL=' DL=1.15 Plate f Exp.; Ce=0.5 nsidered for the ise indicated. rd bearing. the or securely tiagonal web) 0 psf bottom other live load re load of 20.0 a rectangle	/153, r r l) er tt ; sss), ole, 1.15); l.15); ds.				SEA 0363	22

April 7,2022

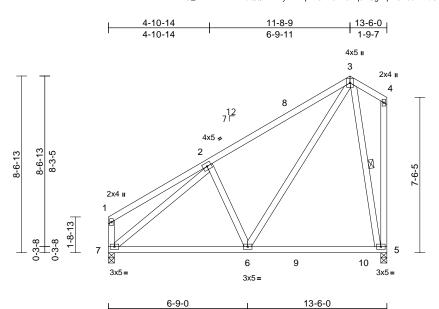


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	D03	Common	2	1	Job Reference (optional)	151224115

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:05 ID:ifG_WZnxWFZvvYeQQWhVIryEMnq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6-9-0

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	TC	0.63	Vert(LL)	-0.09	5-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.14	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 98 lb	FT = 20%

LOWIDER	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
BRACING	
TOP CHORD	Structural wood sheathing directly applied
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
WEBS	1 Row at midpt 3-5
REACTIONS	(lb/size) 5=528/0-3-8, 7=528/0-3-8
	Max Horiz 7=282 (LC 13)
	Max Uplift 5=-102 (LC 14), 7=-40 (LC 14)
	Max Grav 5=683 (LC 23), 7=591 (LC 23)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=-127/75, 2-3=-562/197, 3-4=-155/174,
	4-5=-126/113, 1-7=-138/63
BOT CHORD	6-7=-145/582, 5-6=-92/152
WEBS	3-5=-622/149, 2-7=-602/64, 2-6=-264/215,

NOTES

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

3-6=-126/617

- 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) 2-1-7 to 5-1-7, Interior (1) 5-1-7 to 10-8-5, Exterior(2R) 10-8-5 to 13-8-5, Exterior (2E) 13-8-5 to 15-3-15 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
- 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

design.

6-9-0

- This truss has been designed for a 10.0 psf bottom 5)
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 6)
- 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.
- 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 7. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 8) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard

COLOR MANNING STREET VIIIIIIIIIIII SEAL 036322 G mm April 7,2022

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

or

Job	Truss	Truss Type	Qty Ply DRB GROUP - 98 FaNC		DRB GROUP - 98 FaNC	
22030103	E01	Monopitch	9	1	Job Reference (optional)	151224116

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:05 ID:ffZIL62A0Cf9NXbPWMZuymyEMmC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

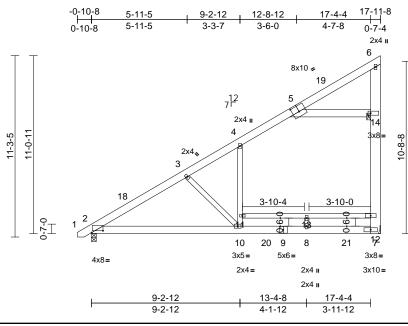


Plate Offsets (X, Y): [2:0-8-8,0-1-7], [5:0-5-0,0-4-8], [14:0-2-0,0-1-8]

	(,, ,). [2.0 0 0,0 1 1],	[0.0 0 0,0 1 0], [1 1.0		1	F							1	
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d		GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.60	Vert(LL)	0.40	10-17	>529	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.71	Vert(CT)	-0.84	8-10	>253	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.96	Horz(CT)	0.01	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018	8/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 163 lb	FT = 20%
LUMBER			2)	TCLL: ASCE	7-16; Pr=20.0 psf	(roof Ll	.: Lum DOL=	=1.15					
TOP CHORD	2x6 SP No.2 *Excep	ot* 1-5:2x6 SP 2400F			I.15); Pf=20.0 psf (L								
	2.0E		DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;										
BOT CHORD				Cs=1.00; Ct									
WEBS		ot* 5-14:2x6 SP No.2,	3)		snow loads have b	een coi	nsidered for t	this					
	6-7:2x8 SP 2400F 2	.0E	4)	design.	as been designed fo	r aroot	or of min roo	flivo					
BRACING	.		-,		psf or 1.00 times fla								
TOP CHORD		athing directly applie	d or		on-concurrent with			51 011					
	6-0-0 oc purlins.	applied or 10,0,0 as	5)		unit load placed on			3-4-8					
BOT CHORD	bracing.	from left and supported at two points E.O.											
JOINTS	1 Brace at Jt(s): 14		6)	This truss ha	s been designed fo	or a 10.	0 psf bottom						
	. ,	3-8, 7=857/ Mechanic		chord live lo	ad nonconcurrent w	ith any	other live loa	ads.					
REACTIONS	Max Horiz 2=390 (L0	,	7)		has been designed			.0psf					
	Max Uplift 7=-72 (LC	,			n chord in all areas								
	Max Grav 2=821 (L0	,)		by 2-00-00 wide will	fit bety	veen the bott	tom					
FORCES	(lb) - Maximum Corr	<i>,</i>	o)		ny other members. er(s) for truss to tru	cc con	actions						
. 0.1020	Tension	procolori/Maximum	9)		hanical connection			to					
TOP CHORD	1-2=0/20, 2-3=-1111	/0. 3-4=-748/0.	5)		e capable of withsta		,						
	4-6=-280/1076	,		7.		inanig i	2 ib upint ut	John					
BOT CHORD	2-10=-189/960, 8-10)=-34/304, 7-8=-34/3	04 10) This truss is	designed in accord	ance w	ith the 2018					mini	UIII.
WEBS	3-10=-868/185, 10-1	1=0/793, 4-11=0/829			Residential Code s			and				WHY CA	Pall
		8=-29/76, 8-13=0/70,		R802.10.2 a	nd referenced stand	dard AN	ISI/TPI 1.				1	alti	01/11/
	5-14=-1241/201, 7-1	,	LC	DAD CASE(S)	Standard						Z.	O' EESS	ON'L
	12-14=-789/193, 6-1	4=-713/181		(-)						/	55		The All
NOTES										\mathcal{U}		51 ×	4.4
	CE 7-16; Vult=130mph											CEA	r 1 E
Vasd=103	3mph; TCDL=6.0psf; B	CDL=6.0pst; h=25ft;										SEA	4 <u>8</u> 8

Scale = 1:71.6

TCDL=6.0 CDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-1 to 2-3-15, Interior (1) 2-3-15 to 14-7-14, Exterior(2E) 14-7-14 to 17-7-14 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

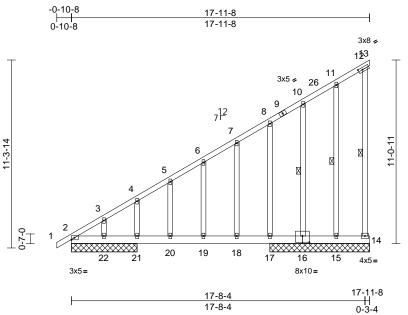
- manunut annun 199 G minim April 7,2022

818 Soundside Road Edenton, NC 27932

036322

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	E02	Monopitch Supported Gable	1	1	Job Reference (optional)	151224117

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:06 ID:zAiMM0ntL8gs1V0uOudQFwyEMjz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:69.4	4		I			17-8-4			0-	-3-4			
Plate Offsets	(X, Y): [12:0-3-1,0-1-8], [16:0-5-0,0-4-8]											
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	3/TPI2014	CSI TC BC WB Matrix-MSH	0.70 0.29 0.20	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.04 -0.06 0.00	(loc) 19 19 14	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 150 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD BOT CHORD	 2x6 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 1 1 Row at midpt (lb/size) 2=173/3-1 15=229/6 17=622/6 22=-102/2 Max Horiz 2=385 (LC Max Uplift 2=-51 (LC 15=305 (L 17=627 (L 22=-102 (C Max Grav 2=248 (LC 15=305 (L 17=647 (L 22=-8 (LC (lb) - Maximum Com 1-2=0/26, 2-3=-333/ 4-5=-277/161, 5-6=- 7-8=-207/143, 8-10= 10-11=-190/143, 11- 12-13=-13/0, 12-14= 	cept end verticals. applied or 6-0-0 oc 5-16,14-15. 12-14, 11-15, 10-16 11-8, 14=60/6-0-0, -0-0, 16=-116/6-0-0, -0-0, 21=618/3-11-8, 3-11-8, 23=173/3-11- C 13), 23=385 (LC 13) -13, 23=385 (LC 13) -10, 14=-79 (LC 13) C 14), 16=-118 (LC) LC 14), 21=-187 (LC LC 2), 23=-51 (LC 12) C 21), 16=45 (LC 14) C 24), 21=639 (LC 25) pression/Maximum 212, 3-4=-307/210, 250/153, 6-7=-223/1 -204/125, -12=-125/189, -20=-155/189, -18=-155/189,	N(1) ed or 2) ,	DTES Wind: ASCE Vasd=103m Cat. II; Exp zone and C 1-11-8 to 14 cantilever le right expose for reactions DOL=1.60 Truss desig only. For st see Standal or consult q TCLL: ASCI Plate DOL= DOL=1.15); Cs=1.00; Ci Unbalanced design. This truss h load of 12.0 overhangs r All plates ar Gable studs This truss h chord live lc * This truss n	11-15=-204/98, 1 8-17=-207/109, 7 5-20=-98/75, 4-2 E 7-16; Vult=130rr ph; TCDL=6.0psf B; Enclosed; MW C Corner(3E) -0- -11-8, Corner(3E) -0- -11-8, Corner(3E) -0- -11-8, Corner(3E) -0- ed; C-C for member s shown; Lumber med for wind load uds exposed to w rd Industry Gable ualified building d E 7-16; Pr=20.0 psi Is=1.0; Rough Ca =1.10; snow loads have as been designed psf or 1.00 times son-concurrent wi e 2x4 MT20 unles spaced at 2-0-0 as been designed an onconcurrent has been designed m chord in all are by 2-00-00 wide v ny other members	r-18=-102 1=-211/11 apph (3-seet ; BCDL=6 FRS (env) FRS (env) FRS (env) 10-8 to 1-) 14-11-8 ed ; end v ers and for DOL=1.6(with a prime find (norm End Deta esigner ar sf (roof Lt f (Lum DC at B; Fully e been cort tho other lin so other with oc. I for a 10. t with any ed for a liv as where will fit betw	777, 6-19=-93 5, 3-22=-77/ cond gust) .0psf; h=25fh elope) exteri- 11-8, Exteric to 17-11-8 zr vertical left ar plate grip lane of the tr al to the face is as applica s per ANSI/T .: Lum DOL= bL=1.15 Plate Exp.; Ce=0. nsidered for t er of min roo oad of 20.0 p <i>ve</i> loads. se indicated. D psf bottom other live loa e load of 20. a rectangle	75 por r(2N) pone; hd RS uss uss uss uss p) ble, PI 1. 1.15 9; his f live sf on ads. Opsf		Martin		SEA 0363	22 EER.K.

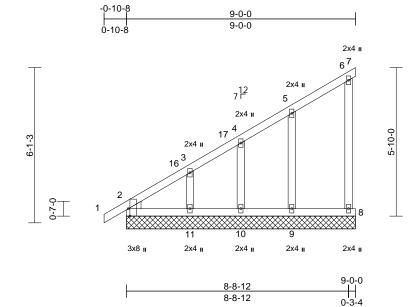
April 7,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	E03	Monopitch Supported Gable	1	1	Job Reference (optional)	151224118

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:06 ID:J7VFPjr0AgI98GvrASDby_yEMju-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:45.3

Plate Offsets (X, Y): [2:0-3-8,Edge]

	··; ·): [=:::::;=:;g:]												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL LUMBER	(psf) 20.0 20.0 10.0 0.0* 10.0	Plate Grip DOL1.Lumber DOL1.Rep Stress IncrY		/TPI2014 Wind: ASCE	CSI TC BC WB Matrix-MSH 7-16; Vult=130mpl	0.34 0.10 0.08 h (3-sec	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 7 13) This	I/defl n/a n/a n/a s truss is	L/d 999 999 n/a	PLATES MT20 Weight: 51 lb	GRIP 244/190 FT = 20% ev with the 2018
TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Left: 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (lb/size) 2=146/9-0 8=102/9-0 12=146/9 Max Horiz 2=199 (LC Max Uplift 2=-17 (LC 10=-37 (L 12=-17 (LC 10=-37 (L Xax Grav 2=156 (LC 8=156 (LC	applied or 10-0-0 oc 0-0, 7=-9/9-0-0, 0-0, 9=188/9-0-0, 0-0, 11=197/9-0-0, 0-0, 13), 12=199 (LC 13) 10), 7=-47 (LC 10), 13), 9=-62 (LC 14), C 14), 11=-88 (LC 14), C 10), 225), 7=59 (LC 13), 221), 9=279 (LC 21), C 21), 11=219 (LC 24),	r 2) 3) 4) 5) 6) 7)	Vasd=103mp Cat. II; Exp E zone and C-1 2-1-8 to 9-0- end vertical I forces & MW DDL=1.60 pl Truss design only. For stu see Standard or consult qu TCLL: ASCE Plate DDL=1 DDL=1.15); Cs=1.00; Ct Unbalanced design. This truss ha load of 12.0 overhangs n All plates are Gable requir Gable studs	bh; TCDL=6.0psf; E 3; Enclosed; MWFF C Corner(3E) -0-10 0 zone; cantilever I eft and right expos (FRS for reactions ; ate grip DOL=1.60 ned for wind loads ds exposed to winn d Industry Gable Er ialified building des ; 7-16; Pr=20.0 psf (15); Pf=20.0 psf (15)=1.0; Rough Cat	CDL=6 CD	6.0psf; h=25ft; elope) exterio 1-8, Exterior(2 right exposed for members : Lumber lane of the tru ial to the face) ils as applicat s per ANSI/TP L=1.15 Plate Exp.; Ce=0.9 msidered for th er of min roof pad of 20.0 ps ve loads. se indicated. d bearing.	2N) ; and ss , ole, , 11. .15 ; is	Ínte R80	rnationa	I Resident And ref	dential Code section	ions R502.11.1 an
FORCES	(lb) - Maximum Com Tension 1-2=0/26, 2-3=-162/ 4-5=-118/76, 5-6=-9 6-8=-136/78	112, 3-4=-129/83,	10)	* This truss h on the bottor 3-06-00 tall b	ad nonconcurrent w has been designed n chord in all areas by 2-00-00 wide wil ny other members.	for a liv where	e load of 20.0 a rectangle	psf		4		SEA	
BOT CHORD	8-9=-83/109	=-83/109, 9-10=-83/109	,	Provide mec	hanical connection capable of withsta					1111		0363	22
WEBS NOTES	4-10=-162/117, 3-11	=-150/154, 5-9=-231/11:		7. N/A		5							EER.

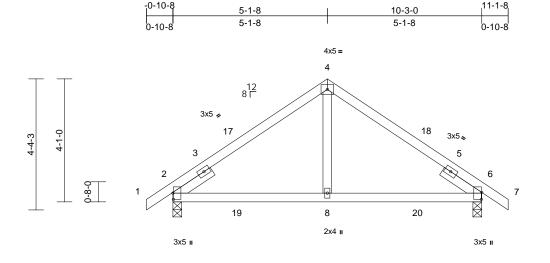
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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

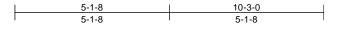


April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	G01	Common	5	1	Job Reference (optional)	151224119

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:06 ID:vqLYLW?otz3ApQzY?OTtXxyEMjg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:38.2 Plate Offsets (X, Y): [2:0-2-8,0-0-3], [6:0-2-13,0-0-3]

												-	
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 IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.46 0.39 0.09	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.05 0.02	(loc) 8-15 8-15 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 47 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES	6-0-0 oc purlins. Rigid ceiling directly bracing. (lb/size) 2=463/0-3 Max Horiz 2=94 (LC Max Uplift 2=-51 (LC Max Grav 2=566 (LC (lb) - Maximum Com Tension 1-2=0/29, 2-4=-453/ 6-7=0/29 2-8=-230/340, 6-8=- 4-8=-302/221 ed roof live loads have	athing directly applie applied or 10-0-0 oc 3-8, 6=463/0-3-8 13) 2 14), 6=-51 (LC 15) 2 21), 6=566 (LC 22) ppression/Maximum 425, 4-6=-453/425, 230/340	6) :	design. This truss ha load of 12.0 overhangs n This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar One H2.5A S recommende UPLIFT at jt(and does no This truss is International	snow loads have b as been designed fi psf or 1.00 times fl on-concurrent with is been designed fi ad nonconcurrent v has been designed in chord in all areas by 2-00-00 wide wil yy other members. Simpson Strong-Tie ed to connect truss (s) 2 and 6. This cot t consider lateral fo designed in accord Residential Code ind referenced stam Standard	or great at roof le other li or a 10. vith any for a liv s where ll fit betw e conne to bear nnectio prces. dance w sections	er of min roof oad of 20.0 ps ve loads. 0 psf bottom other live loa re load of 20.0 a rectangle ween the botto ctors ing walls due n is for uplift o ith the 2018 s R502.11.1 a	live sf on ds. Dpsf om to only				NITH CA	ROLL
,	CE 7-16; Vult=130mph	· · · · ·									25	in the second	Thin

2) Wind: ASCE 7-16, Vulle ISOmpin (S-Sector 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, Exterior(2R) 2-1-8 to 8-1-8, Exterior(2E) 8-1-8 to 11-1-8 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

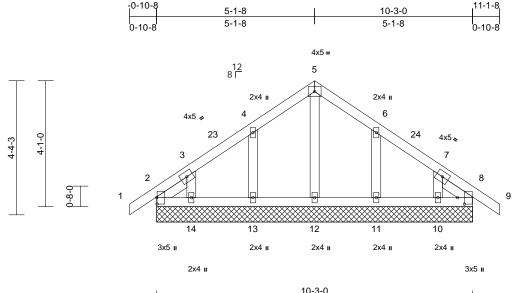
 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 SEAL 036322 A. GILBERT

omponent 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	G02	Common Supported Gable	1	1	Job Reference (optional)	151224120

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:07 ID:NHRL7gD4dVLczBL?2Ao6FjyEMjO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:37.4							10-3-0						
	K, Y): [2:0-2-8,0-0-3	, [8:0-2-8,0-2-11]											
_oading	(psf)	Spacing	1-11-4		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
now (Pf)	20.0	Lumber DOL	1.15		BC	0.03	Vert(CT)	n/a	-	n/a	999		
CDL	10.0	Rep Stress Incr	YES		WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
CLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MSH								
CDL	10.0											Weight: 55 lb	FT = 20%
DTHERS BLIDER BRACING TOP CHORD BOT CHORD	1-2-5 Structural wood sh 6-0-0 oc purlins.	1-2-5, Right 2x4 SP eathing directly appli y applied or 10-0-0 o	ed or	Cat. II; Exp zone and C 2-1-8 to 8-1 cantilever le right expos	nph; TCDL=6.0psf; B; Enclosed; MWF -C Corner(3E) -0-1 -8, Corner(3E) 8-1 eft and right expose ed;C-C for membe s shown; Lumber [FRS (env 10-8 to 2- -8 to 11- ed ; end v rs and fo	elope) exterio 1-8, Corner(3 1-8 zone; vertical left and ces & MWFR	r R) d	LOAD	CASE(S) Sta	ndard	

	Max Uplift	$\begin{array}{l} 19=113/10\cdot3\cdot0\\ 2=\cdot91 \;(LC\;12),\; 15=\cdot91 \;(LC\;12)\\ 2=\cdot27 \;(LC\;10),\; 8=\cdot3 \;(LC\;11),\\ 10=\cdot58 \;(LC\;15),\; 11=\cdot61 \;(LC\;15),\\ 13=\cdot62 \;(LC\;14),\; 14=\cdot63 \;(LC\;14),\\ 15=\cdot27 \;(LC\;10),\; 19=\cdot3 \;(LC\;11)\\ 2=114 \;(LC\;25),\; 8=114 \;(LC\;22),\\ 10=169 \;(LC\;22),\; 11=258 \;(LC\;22)\\ 12=130 \;(LC\;21),\; 13=258 \;(LC\;21)\\ 14=169 \;(LC\;21),\; 15=114 \;(LC\;25)\\ 19=114 \;(LC\;25) \; 10=114 \;(LC\;25)\\ 19=114 \;(LC\;22) \;(LC\;21) \;(LC\;25)\\ 10=114 \;(LC\;25) \;(LC\;21),\; 15=114 \;(LC\;25)\\ 10=114 \;(LC\;25) \;(LC\;21),\; 15=114 \;(LC\;25)\\ 10=114 \;(LC\;25) \;(LC\;25) \;(LC\;25) \;(LC\;25)\\ 10=114 \;(LC\;25) \;(LC\;25) \;(LC\;25) \;(LC\;25) \;(LC\;25)\\ 10=114 \;(LC\;25) \;$	5) 6) , , , , , , , , , , , , , , , , , ,	design. This truss has been designed for gre load of 12.0 psf or 1.00 times flat roo overhangs non-concurrent with other Gable requires continuous bottom ch Gable studs spaced at 2-0-0 oc.
FORCES	· · /	imum Compression/Maximum	9)	This truss has been designed for a 1 chord live load nonconcurrent with an
TOP CHORD	4-5=-83/1	2-3=-45/54, 3-4=-73/51, 26, 5-6=-83/126, 6-7=-71/40, 3, 8-9=0/28	10)	* This truss has been designed for a on the bottom chord in all areas whe 3-06-00 tall by 2-00-00 wide will fit be chord and any other members.
BOT CHORD	2-14=-27/ 12-13=-27	101, 13-14=-27/101, 7/101, 11-12=-27/101, 7/101, 8-10=-27/101	11)	N/A
WEBS		0, 4-13=-218/132, 3-14=-137/122, 8/132, 7-10=-137/122		
NOTES				

14=107/10-3-0, 15=113/10-3-0,

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 DOL=1.15 Plate ully Exp.; Ce=0.9;

- considered for this
- reater of min roof live of load of 20.0 psf on er live loads.
- chord bearing.

10.0 psf bottom any other live loads.

a live load of 20.0psf ere a rectangle between the bottom

С Withhand SEAL 036322 G mm April 7,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	H01	Common Supported Gable	1	1	Job Reference (optional)	151224121

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:07

Page: 1

ID:CRocOjIrDL5mi6p9PQuWV_yEMjI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -0-10-8 0-10-8 12-11-8 0-10-8 6-0-8 12-1-0 6-0-8 6-0-8 4x5 = 5 \wedge 12 12 Г 4 6 6-10-12 3 7 8 2 0-10-4 16 9 \boxtimes × 15 13 14 12 11 3x8 II 3x8 II

12-1-0

Scale =	1:45
---------	------

Plate Offsets (X, Y)	· [10·0-4-12 0-1-8]	[16.0-4-12 0-1-8]

7-3-15

Plate Offsets (2	X, Y): [10:0-4-12,0-1-	8], [16:0-4-12,0-1-8]										-	
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	8/TPI2014	CSI TC BC WB Matrix-MR	0.11 0.07 0.20	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 78 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 OTHERS 2x4 SP No.3 OTHERS 2x4 SP No.3 DOT CHORD Structural wood sheathing directly applied or 6-0-0 cc purlins, except end verticals. BOT CHORD Structural wood sheathing directly applied or bracing. BOT CHORD Structural wood sheathing directly applied or for CHORD Max Upilft 10=147/12-1-0, 11=146/12-1-0, 12=170/12-1-0, 13=140/12-1-0, 14=170/12-1-0, 15=146/12-1-0, 15=147 (LC 12). Max Upilft 10=-48 (LC 14), 11=-48 (LC 15), 12=-88 (LC 22), 13=200 (LC 5). Max Grav 10=166 (LC 24), 11=-148 (LC 15), 12=-88 (LC 22), 13=200 (LC 5). Max Grav 10=166 (LC 24), 11=-188 (LC 12). Max Upilft 10=-48 (LC 12). Max Upilft 10=-48 (LC 12). Max Upilft 10=-160 (LC 24). Max Upilft 10=-162 (LC 22). Max Upilft 10=-163 (LC 25). FFORCES (b) - Maximum Compression/Maximum Tension 20 S of 1.00 times flat													
FORCES	Tension		,	All plates are	2x4 MT20 unless	otherwi	se indicated.				- In	ATH CA	ROLIN
TOP CHORD	2-16=-151/64, 1-2=0 3-4=-111/122, 4-5=- 6-7=-111/122, 7-8=- 8-10=-137/47	195/227, 5-6=-195/22	9) 27, 10	Truss to be f braced again) Gable studs	ully sheathed from st lateral moveme spaced at 2-0-0 oc s been designed fo	one fac nt (i.e. c c.	e or securely iagonal web)			4		Q CEA	Marine -
BOT CHORD	15-16=-84/102, 14-1 13-14=-84/102, 12-1 11-12=-84/102, 10-1	3=-84/102, 1=-84/102		chord live loa	ad nonconcurrent v ad s been designed n chord in all areas	vith any for a liv	other live loa e load of 20.0					SEA 0363	• –
6-7=-111/122, 7-8=-105/90 C 103/22, 70 C 103/22, 70/22, 70/22, 70/22, 70/22, 7							SIC A. C	EEP. KINN					
	Unbalanced roof live loads have been considered for this design.												

NOTES

818 Soundside Road Edenton, NC 27932

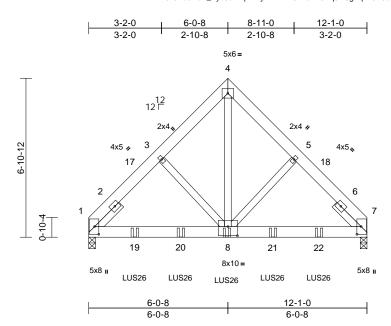
April 7,2022

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

ł

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	H02	Common Girder	1	2	Job Reference (optional)	151224122

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:07 ID:1shJDaaHoP_Vye3aFmpvwryEMix-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:50

Plate Offsets (X, Y): [1:0-4-0,0-2-4], [7:0-4-0,0-2-4], [8:0-5-0,0-4-12]

		. , ,,,,,,,,	,-	•									-
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 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.18 0.85 0.68	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.08 0.01	(loc) 8-15 8-15 1	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 190 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x6 SP No.2 2x4 SP No.3 Left 2x4 SP No.3 1-6-0 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (lb/size) 1=2892/0 Max Horiz 1=138 (LC Max Uplift 1=-171 (L Max Grav 1=2976 (L	athing directly applie applied or 10-0-0 or -3-8, 7=2865/0-3-8 C 11) C 13), 7=-169 (LC 1 -C 18), 7=2949 (LC	5) ed or ^C 6) 7) 2) 8)	Vasd=103m Cat. II; Exp II zone; cantille and right exp DOL=1.60 TCLL: ASCE Plate DOL=- DOL=1.15; Cs=1.00; Ct: Unbalanced design. This truss ha chord live loss * This truss I on the bottoo	snow loads have as been designed ad nonconcurrent has been designer m chord in all area	BCDL=6 RS (env exposed DL=1.60 Lf (roof LL (Lum DC t B; Fully been cor for a 10. with any d for a liv as where	.0psf; h=25ft elope) exteric ; end vertical olate grip .: Lum DOL= JL=1.15 Plate Exp.; Ce=0.1 asidered for t 0 psf bottom other live loz e load of 20.0 a rectangle	n left 1.15 9; his dds. 0psf		Vert: 8= (B), 22=			20=-963 (B), 21=-963
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) 2-ply truss	4-5=-2624/234, 5-7=	2625/234, 3145/206 105/1962 265/141, 3-8=-267,		chord and an One H2.5A S recommende UPLIFT at jt and does no) This truss is International	by 2-00-00 wide w ny other members Simpson Strong-T ed to connect trus (s) 1 and 7. This c t consider lateral I designed in accol Residential Code	ie conne s to bear onnectio forces. rdance w sections	ctors ing walls due n is for uplift ith the 2018 i R502.11.1 a	to only				TH CA	RO
 (0.131"x3' Top chord staggered Bottom ch staggered Web conn All loads a except if n CASE(S) provided t unless oth 	") nails as follows: Is connected as follows I at 0-9-0 cc. Iords connected as foll at 0-9-0 cc. Intected as follows: 2x4 - are considered equally noted as front (F) or ba section. Ply to ply conr o distribute only loads nerwise indicated. ed roof live loads have	s: 2x6 - 2 rows ows: 2x6 - 2 rows 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LC nections have been noted as (F) or (B),	12 LC DAD 1)) Use Simpso Truss, Single oc max. star connect trus Pill all nail hoi DAD CASE(S) Dead + Sne Increase=1 Uniform Lo Vert: 1-4 	ow (balanced): Lu .15	26 (4-100 juivalent the left e of bottou r is in cor mber Inc	Girder, 4-10 spaced at 2-0 nd to 10-0-0 n chord. htact with lum)-0 to ber.				SEA 0363	22

April 7,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	K01	Common	5	1	Job Reference (optional)	151224123

TCDL

BCLL

BCDL

WEBS

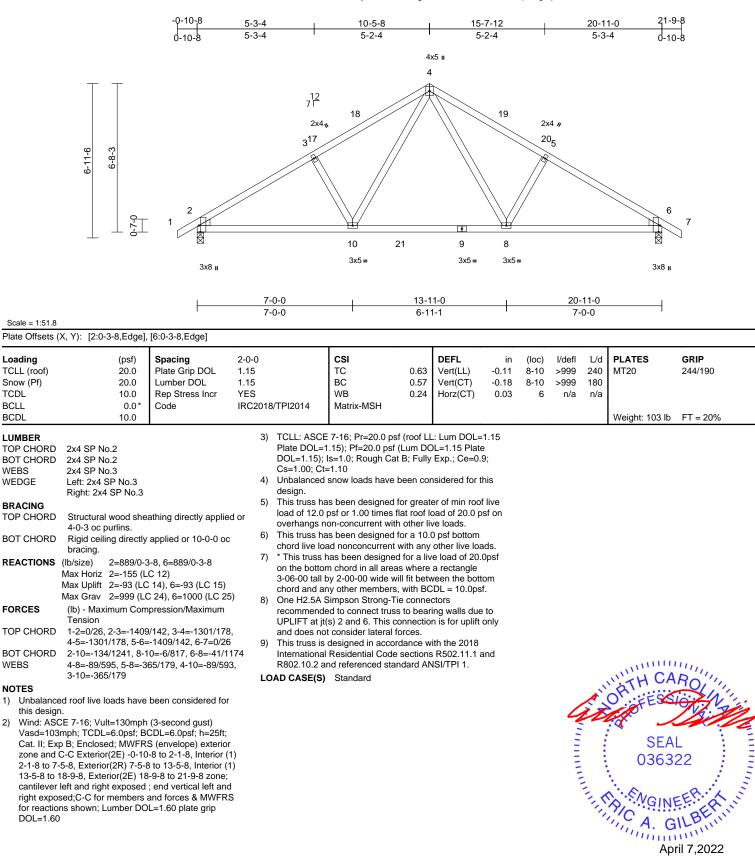
WEBS

1)

2)

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:08 ID:lhky8loM9oo3QNWguMszIMzTP3d-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	K02	Common Supported Gable	1	1	Job Reference (optional)	151224124

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:08 ID:ILO87F1HgeBMCITKVsiR1NzTP3K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

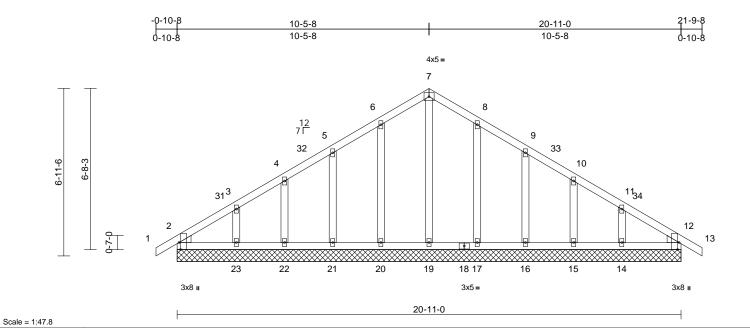


Plate Offsets (X, Y): [2:0-3-8,Edge], [12:0-3-8,Edge]

Plate Olisets (.	X, Y): [2:0-3-8,Edge],	[12.0-3-0,Euge]	-										
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	1-11-4 1.15 1.15 YES IRC2018/1	FPI2014	CSI TC BC WB Matrix-MSH	0.07 0.05 0.11	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 12	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 119 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly	athing directly applied applied or 10-0-0 oc	WEE or NOT 1) 1	3S T ES Unbalanced	2-23=-68/102, 22-2 21-22=-43/102, 20- 19-20=-43/102, 17- 16-17=-43/102, 15- 14-15=-43/102, 12- 7-19=-112/21, 6-20 4-22=-118/71, 3-23 9-16=-181/78, 10-1	21=-43 19=-43 16=-43 14=-43 =-205/7 =-141/8 5=-118	/102, /102, /102, /102 '3, 5-21=-181, /8, 8-17=-205, /71, 11-14=-1:	/78, /72, 39/88	cho 11) * Th on t 3-06	rd live lo nis truss he botto 6-00 tall	ad nor has be m cho by 2-0	en designed for a rd in all areas wh	any other live loads. a live load of 20.0psf
	14=183/2 16=156/2 19=119/2 21=156/2 23=183/2 28=156/2 Max Horiz 2=-150 (L Max Uplift 2=-22 (L 17=-48 (L 21=-52 (L 23=-80 (L Max Grav 2=160 (LC 14=199 (L 16=222 (L	C 12), 24=-150 (LC 12) ; 10), 14=-74 (LC 15), C 15), 16=-52 (LC 15) C 15), 20=-49 (LC 14) C 14), 22=-39 (LC 14) C 14), 24=-22 (LC 10)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Vasd=103m Cat. II; Exp zone and C. 2-1-8 to 7-5 13-5-8 to 18 cantilever le right expose for reactions DOL=1.60 Truss desig DOL; For st see Standar or consult q Plate DOL=	E 7-16; Vult=130mpl ph; TCDL=6.0psf; E B; Enclosed; MWFF -C Corner(3E) -0-10 -8, Corner(3E) 18 ff and right exposec ed;C-C for members s shown; Lumber DC und for wind loads i uds exposed to winn rd Industry Gable Er ualified building des E 7-16; Pr=20.0 psf (I 1.5); Pf=20.0 psf (I 1s=1.0; Rough Cat (CDL=6 RS (env)-8 to 2- 3 to 13- 3-9-8 to and foi DL=1.60 in the p d (norm nd Deta igner a: (roof LI Lum DC	i.Opsf, h=25ft; elope) exterio 1-8, Exterior(2 21-9-8 zone; vertical left and cross & MWFR 0 plate grip lane of the tru al to the face) ils as applicat s per ANSI/TF c. Lum DOL=1 DL=1.15 Plate	r 2N) 2N) d S S ss), ple, Pl 1. 1.15			the second se	ORTH CA	ROUNT
FORCES TOP CHORD	21=222 (l 23=206 (l 28=156 (l (lb) - Maximum Com Tension 1-2=0/26, 2-3=-118/ 4-5=-98/89, 5-6=-88 7-8=-103/165, 8-9=-	LC 21), 22=152 (LC 21 LC 28), 24=160 (LC 25 LC 22) pression/Maximum 104, 3-4=-108/80,), 5) 6) - 7) / 8) (design. This truss h load of 12.0 overhangs r All plates ar Gable requi	⊨1.10 I snow loads have b as been designed for psf or 1.00 times flaton-concurrent with e 2x4 MT20 unless res continuous botto s spaced at 2-0-0 oc	or great at roof le other li otherwi om chor	er of min roof bad of 20.0 ps ve loads. se indicated.	live		HILLING.		SEA 0363	

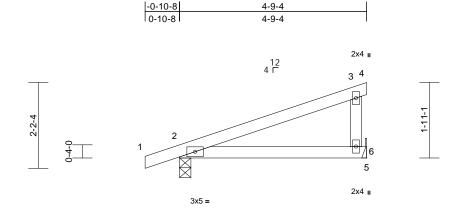
April 7,2022

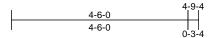


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC		
22030103	M01	Monopitch	4	1	I5 Job Reference (optional)	1224125	

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:08 ID:dq31jByjVxu5APxXZmsAhNyEMiS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:29.4

		i				i					i	
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	0.38	Vert(LL)	0.07	6-9	>721	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	0.06	6-9	>887	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								FT 000/
BCDL	10.0										Weight: 18 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	 2x4 SP No.2 2x4 SP No.3 Structural wood she 4-9-4 oc purlins, ex Rigid ceiling directly bracing. (Ib/size) 2=237/0-3 Max Horiz 2=68 (LC Max Uplift 2=-98 (LC 	cept end verticals. applied or 10-0-0 oc 3-8, 6=197/ Mechanio 13) : 10), 6=-72 (LC 10)	on the b 3-06-00 chord ar 7) Refer to 8) Provide bearing 6. 9) One H2 recomm UPLIFT does no 10) This trus	iss has been designe bitom chord in all are- tall by 2-00-00 wide w d any other members girder(s) for truss to t mechanical connection blate capable of withs 5A Simpson Strong-T ended to connect trus at jt(s) 2. This connect consider lateral force s is designed in acco	as where will fit betw s. truss conr on (by oth standing 7 Fie conne as to bear ction is for es. ordance w	a rectangle veen the bott nections. ers) of truss '2 lb uplift at ctors ing walls due r uplift only a ith the 2018	to joint e to nd					
	Max Grav 2=330 (L0	,. , ,	internati	onal Residential Code			and					
FORCES	(lb) - Maximum Com Tension	pression/Maximum		.2 and referenced sta	andard AN	ISI/TPI 1.						
TOP CHORD		141, 3-4=-8/0,	LOAD CAS	E(S) Standard								
BOT CHORD		0										
NOTES	,											
	CE 7-16; Vult=130mph	(3-second aust)										
Vasd=103 Cat. II; Ex zone and exposed and right	3mph; TCDL=6.0psf; B kp B; Enclosed; MWFR C-C Exterior(2E) zone ; end vertical left and rig exposed;C-C for memb for reactions shown; Lu	CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and ri ght exposed; porch le pers and forces &	ight eft						4	1111	OPTH CA	ROLIN
2) TCLL: AS Plate DO	SCE 7-16; Pr=20.0 psf (L=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E	um DOL=1.15 Plate									SEA 0363	• -
,	ed snow loads have be	en considered for th	is						-	i d		- 1 E
design.										1	·	A 1. 3
load of 12	s has been designed for 2.0 psf or 1.00 times fla is non-concurrent with c	t roof load of 20.0 ps								in s	A SNGIN	EEFA
5) This truss	s has been designed for	r a 10.0 psf bottom									11, A. C	allun

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

818 Soundside Road Edenton, NC 27932

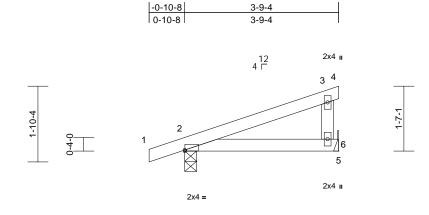
1111111

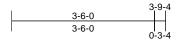
April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC		
22030103	M02	Monopitch Structural Gable	1	1	Job Reference (optional)	151224126	

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:09 ID:2yo0UqOwnJZr65GeE21rhByEMht-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:28.2

Plate Offsets (X, Y): [2:Edge,0-0-5]

). [2.Luge,0-0-5]												
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 IRC201	8/TPI2014	CSI TC BC WB Matrix-MP	0.20 0.21 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.03 0.02 0.00	(loc) 6-9 6-9 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 14 lb	GRIP 244/190 FT = 20%
BOT CHORD 2x4 WEBS 2x5 BRACING TOP CHORD Str 3-4 BOT CHORD Rit BOT CHORD Rit BOT CHORD Rit BOT CHORD Rit FORCES (b) FORCES (b) TE TOP CHORD 1-2 BOT CHORD 1-2 BOT CHORD 2-6 NOTES 1) Wind: ASCE 7- Vasd=103mph Cat. II; Exp B; zone and C-C exposed ; end and right expos MWFRS for rea grip DOL=1.60 2) Truss designe only. For studs see Standard 1 or consult qual 3) TCLL: ASCE 7 Plate DOL=1.15); Is- CS=1.00; Ct=1	9-4 oc purlins, exi gid ceiling directly acing. size) 2=198/0-3 4 Horiz 2=55 (LC 4 Uplift 2=-85 (LC 4 Grav 2=275 (LC 5 C uplift 2=-85 (LC 6 Grav 2=275 (LC 7 Grav 2=275 (LC 7 Grav 2=275 (LC 7 Grav 2=275 (LC 9 - Maximum Com nsion 2=0/24, 2-3=-75/9 6=-99/56, 5-6=0/0 -16; Vult=130mph ; TCDL=6.0psf; B4 Enclosed; MWFR: Exterior(2E) zone: vertical left and rig sed; C-C for memb actions shown; Lu d for wind loads ir s exposed to wind ndustry Gable En- ified building desig -16; Pr=20.0 psf (L =1.0; Rough Cat B 10	 10), 6=-55 (LC 10) 21), 6=210 (LC 21) pression/Maximum 7, 3-4=-8/0, 3-6=-149 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior cantilever left and rigght exposed; porch le 	8) (al 9) 10 11 12 12 12 12 12 12 12 12 12	load of 12.0 overhangs n Gable studs This truss ha chord live lo: * This truss l on the bottoo 3-06-00 tall l chord and ar Refer to gird Provide med bearing plate 6. One H2.5A S recommende UPLIFT at jt does not cor) This truss is International	as been designed f psf or 1.00 times fl on-concurrent with spaced at 2-0-0 or is been designed ad nonconcurrent in as been designed in chord in all areas by 2-00-00 wide wi by other members. er(s) for truss to tru- hanical connection e capable of withst. Simpson Strong-Ti- ed to connect truss (s) 2. This connect sider lateral forces designed in accord Residential Code ind referenced star Standard	lat roof I o other li c. or a 10. with any I for a liv s where II fit betv uss conne to (by oth anding f e conne to bear ion is fo s. dance w sections	bad of 20.0 ps ve loads. 0 psf bottom other live loa re load of 20.0 a rectangle veen the botto nections. ers) of truss t 55 lb uplift at j ctors ing walls due r uplift only ar ith the 2018 \$ R502.11.1 a	sfon ds. Dpsf om oint to nd				SEA 0363	EER. Kuin

- 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.

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



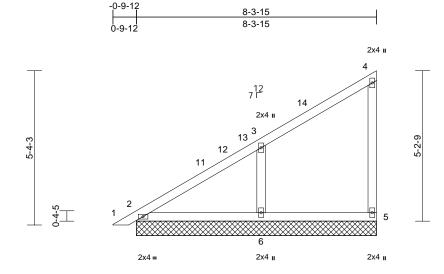
GI 11111111

April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	PB1	Piggyback	12	1	Job Reference (optional)	151224127

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:09 ID:Vct_LS2ZR62wzQsvDeBepny9Q9Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



8-3-15

Scale	= 1	·40	

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	77PI2014	CSI TC BC WB Matrix-MP	0.37 0.16 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 38 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, ex Rigid ceiling directly bracing. (lb/size) 2=169/8-: 6=407/8-: Max Horiz 2=177 (Lt Max Uplift 5=-26 (LC Max Grav 2=172 (Lt	applied or 10-0-0 or 3-15, 5=111/8-3-15, 3-15, 7=169/8-3-15 C 13), 7=177 (LC 13 C 11), 6=-117 (LC 14 C 25), 5=174 (LC 21	c 6) 7) 8)) 9)	Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0 p overhangs n Gable require Gable studs This truss ha chord live loa * This truss h on the bottor	7-16; Pr=20.0 p .15); Pf=20.0 ps s=1.0; Rough Ca .1.10 snow loads have s been designed obsf or 1.00 times on-concurrent wid es continuous be spaced at 4-0-0 s been designed id nonconcurrent nas been designed n chord in all are y 2-00-00 wide v	f (Lum DC at B; Fully been cor I for greate flat roof lo th other liv totom chor oc. I for a 10.0 for a 10.0 d for a liv as where	DL=1.15 Plate Exp.; Ce=0.1 er of min rool bad of 20.0 p ve loads. d bearing. D psf bottom other live loa e load of 20.1 a rectangle	e 9; f live sf on ds. 0psf					
FORCES	6=538 (Li (lb) - Maximum Con Tension	C 21), 7=172 (LC 25 npression/Maximum) 10)		y other member	s.							
TOP CHORD BOT CHORD WEBS	1-2=0/16, 2-3=-137/ 4-5=-149/45 2-6=-79/86, 5-6=-79 3-6=-423/192	, ,	11)	International	designed in acco Residential Cod	e sections	s R502.11.1 a	and				mmm	U.,

NOTES

- 1) 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) 0-3-11 to 3-3-11, Interior (1) 3-3-11 to 4-9-7, Exterior(2R) 4-9-7 to 9-0-5 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
- 2) 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.
- R802.10.2 and referenced standard ANSI/TPI 1. 12) See Standard Industry Piggyback Truss Connection
- Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	PB2	Piggyback	1	1	Job Reference (optional)	151224128

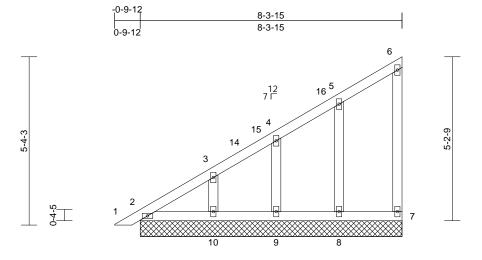
Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:09 ID:WH3V?txv2Qqeukw2EhQFIFy9PTo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



GI

818 Soundside Road Edenton, NC 27932

1111111 April 7,2022



8-3-15

Scale =	1:36.6
---------	--------

DOL=1.60

		1				· · · ·					1	;	
Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.36		n/a	-	n/a	999	MT20	244/190	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	7	n/a	n/a			
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								FT 000/	
BCDL	10.0										Weight: 45 lb	FT = 20%	
LUMBER				esigned for wind load									
TOP CHORD				r studs exposed to v									
BOT CHORD				dard Industry Gable									
WEBS	2x4 SP No.3			It qualified building of									
OTHERS	2x4 SP No.3			SCE 7-16; Pr=20.0 p									
BRACING				L=1.15); Pf=20.0 ps									
TOP CHORD	Structural wood she			5); Is=1.0; Rough C Ct=1.10	at B; Fully	exp.; Ce=0.	9,						
	6-0-0 oc purlins, ex		4) Unhalan	ced snow loads have	o boon co	nsidered for t	hie						
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	design.		C DECH CU		113						
	bracing.		0	s has been designe	d for areat	er of min roof	live						
REACTIONS		3-15, 7=56/8-3-15,		2.0 psf or 1.00 times									
		3-15, 9=143/8-3-15,	overhan	s non-concurrent w									
		-3-15, 11=109/8-3-1	5 6) All plate	are 2x4 MT20 unle									
	Max Horiz 2=171 (LC			quires continuous b	ottom cho	rd bearing.							
	Max Uplift 2=-9 (LC			uds spaced at 2-0-0	OC.	Ū							
)=-46 (LC 14), 10=-6	^{2 (LC} 9) This trus	s has been designe	d for a 10.	0 psf bottom							
	14), 11=-9		chord liv	e load nonconcurrer	nt with any	other live loa	ids.						
	Max Grav 2=126 (LC		, 10) 1115 11	ss has been design			Opsf						
		C 21), 9=213 (LC 21) _C 28), 11=126 (LC 2		ottom chord in all are									
	,		3-00-00	all by 2-00-00 wide		ween the bott	om						
FORCES	(lb) - Maximum Com Tension	pression/iviaximum		d any other member	rs.								
TOP CHORD		07 2 4- 112/74	11) N/A								MILLIN	unin.	
IOF CHORD	1-2=0/16, 2-3=-139/ 4-5=-98/64, 5-6=-89	, ,									IN'TH CA	ARO	
BOT CHORD	2-10=-76/83, 9-10=-	,								1	A	- Ult	
BOT ONORD	7-8=-76/83	10/00, 0 0= 10/00,	12) This trus	s is designed in acc	ordance w	ith the 2018				5.	O FES	and in	1
WEBS	5-8=-206/91, 4-9=-1	81/77. 3-10=-138/79	,	onal Residential Cod			nd		4			and a	Z
NOTES	, -	,		2 and referenced st	tandard Al	NSI/TPI 1.			-		:2	K :	3
	CE 7-16; Vult=130mph	(3-second quist)	13) See Sta	dard Industry Piggy	/back Trus	s Connection			-		SE/	0 i	
	Smph; TCDL=6.0psf; B		Detail fo	Connection to base	e truss as	applicable, or			=	:		≺∟ :	-
	p B; Enclosed; MWFR			ualified building des	signer.				1	:	0363	322 :	-
	C-C Exterior(2E) 0-3-1			(S) Standard					-				-
	-9-7, Exterior(2R) 4-9-7									-	1. Sec. 1. Sec	and the second	www.ununner
	left and right exposed										S.SNO.	FER. A :	2
	sed;C-C for members		S							1	A. GIN	EFRAN	
	ns shown; Lumber DO	L=1.60 plate grip								1	ICA I	31LBE	
DOL=1.60)										1, A. (71- 11	

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	PB3	Piggyback	7	1	Job Reference (optional)	151224129

3-9-15

3-9-15

12 7 Г

-0-9-12

0-9-12

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

2-8-11

<u></u>β-4-5

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:09 ID:gfOscPOdgdYC2AMcQTKNEuyEN1q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2x4 🛛

3 ø



GRIP 244/190

FT = 20%

2-7-1 2 М Ø 4 2x4 🛚 2x4 = 3-9-15 CSI DEFL L/d PLATES 2-0-0 in (loc) l/defl COULD DO DANNER 0 SEAL 036322

Scale = 1:26.9

Loading

TCLL (roof)		20.0	Plate Grip DOL	1.15		TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	2
Snow (Pf)		20.0	Lumber DOL	1.15		BC	0.23	Vert(CT)	n/a	-	n/a	999		
TCDL		10.0	Rep Stress Incr	YES		WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL		0.0*	Code	IRC2	018/TPI2014	Matrix-MP								
BCDL		10.0											Weight: 17 lb	F
LUMBER					5) This truss ha	as been designe	d for great	er of min roo	f live					
TOP CHORD	2x4 SP No	0.2			load of 12.0	psf or 1.00 time	s flat roof l	oad of 20.0 p	osf on					
BOT CHORD	2x4 SP No	0.2			overhangs n	on-concurrent w	vith other li	ve loads.						
WEBS	2x4 SP No	0.3			, I	es continuous b		rd bearing.						
BRACING					,	spaced at 4-0-0								
TOP CHORD			athing directly applie cept end verticals.	u 01	chord live lo	as been designe ad nonconcurrer	nt with any	other live loa						
BOT CHORD	Rigid ceili bracing.	ng directly	applied or 10-0-0 oc		on the botto	has been design m chord in all ar	eas where	a rectangle	•					
REACTIONS	(lb/size)	2=182/3-9 5=182/3-9	9-15, 4=148/3-9-15, 9-15		chord and a	by 2-00-00 wide ny other membe		ween the bot	iom					
	Max Horiz	2=83 (LC	13), 5=83 (LC 13)		10) N/A									
	Max Uplift	2=-23 (LC 5=-23 (LC	5 14), 4=-33 (LC 14), 5 14)											
	Max Grav	2=268 (LC 5=268 (LC	C 21), 4=212 (LC 21) C 21)	,	11) This truss is	designed in acc Residential Coo			and					
FORCES	(lb) - Max Tension	imum Com	pression/Maximum			nd referenced st	tandard AN	NSI/TPI 1.						
TOP CHORD BOT CHORD			9, 3-4=-148/53		Detail for Co	innection to base ified building des	e truss as							
NOTES					LOAD CASE(S)	-	9						OR.	
1) Wind: ASC	CE 7-16; Vu	lt=130mph	(3-second gust)											111
			CDL=6.0psf; h=25ft;										D Listing	AL
			S (envelope) exterio									1	almon	
			cantilever left and r	ght								S.	OVEES	Sif
			ght exposed;C-C for									in	10	1
members	and lorces a	x IVIVVFRS	for reactions shown;									-	10	- /

Lumber DOL=1.60 plate grip DOL=1.60 2) 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.

(psf)

Spacing

- 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.

818 Soundside Road Edenton, NC 27932

G

minin

April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	PB4	Piggyback	1	1	I51224130 Job Reference (optional)	

3-9-15

3-9-15

12 7 Г

2x4 II

3

ø

0

6 2x4 II

3-9-15

-0-9-12

0-9-12

2

2x4 =

2-8-11

0-4-5

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

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:10 ID:HzPjy4oOLG9lz?DvDqPaxMyEN00-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2x4 II

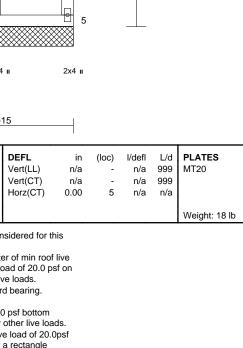
4

ø

Page: 1

GRIP 244/190

FT = 20%



2-7-1

Scale = 1:29.3 ...

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 IRC20	018/TPI2014	CSI TC BC WB Matrix-MP	0.08 0.03 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 18 lb	C 2 F
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 4-8-1 oc purlins, ex Rigid ceiling directly bracing. (Ib/size) 2=93/3-9- 6=176/3-6 Max Horiz 2=83 (LC Max Uplift 5=-12 (LC Max Grav 2=140 (LC	applied or 10-0-0 oc 15, 5=57/3-9-15, 9-15, 7=93/3-9-15 13), 7=83 (LC 13) 2 11), 6=-56 (LC 14)	d or	 design. This truss ha load of 12.0 overhangs n Gable requir Gable studs This truss ha chord live loa * This truss fruss fru	snow loads have s been designed psf or 1.00 times on-concurrent wi es continuous bo spaced at 2-0-0 i s been designed ad nonconcurrent nas been designed n chord in all are by 2-00-00 wide will y other members	I for great flat roof I th other Ii ottom chor oc. I for a 10. t with any ed for a liv as where will fit betw	er of min root oad of 20.0 p ve loads. d bearing. 0 psf bottom other live loa re load of 20. a rectangle	f live sf on ads. 0psf					
Vasd=103 Cat. II; Ex zone and exposed ;	,	, 2, 3-4=-56/29, 4-5=-7 /41 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and ri ght exposed;C-C for	0/21	International R802.10.2 a 12) See Standar Detail for Co	designed in accc Residential Cod nd referenced sta d Industry Piggyt nnection to base fied building desi Standard	e sections andard AN back Trus truss as	s R502.11.1 a NSI/TPI 1. s Connectior	1			A MARINE	ORTH CA	1.F

Truss designed for wind loads in the plane of the truss 2) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable,

Lumber DOL=1.60 plate grip DOL=1.60

or consult qualified building designer as per ANSI/TPI 1. 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; 3) Cs=1.00; Ct=1.10

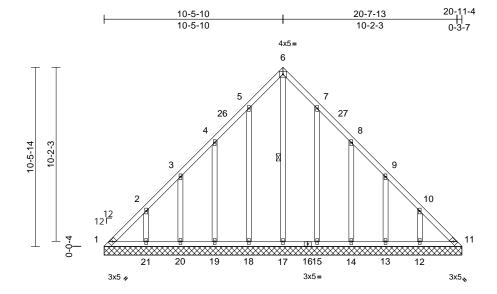




Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1A	Valley	1	1	Job Reference (optional)	151224131

Scale - 1:67.4

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:10 ID:AQ?WY4Q3r7kmFTGHz_FdIQyEMul-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



20-11-4

Scale = 1:67.4									
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	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC 0.10 BC 0.07 WB 0.30 Matrix-MSH	Vert(LL) n/a Vert(TL) n/a	a - r a - r	defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 147 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 1=86/20-1 12=211/2 14=163/2 21=211/2 Max Horiz 1=-241 (L Max Uplift 1=-79 (LC 12=-79 (L 14=-102 (18=-96 (L 12=218 (L 14=213 (L 17=234 (L 14=213 (L 17=234 (L 18=213 (L 19=213 (L 19=213 (L 19=213 (L 19=213 (L 19=213 (L 19=213 (L 19=213 (L 19=213 (L)) 20=213 (L))	6-17 11-4, 11=86/20-11-4, 0-11-4, 13=145/20-11- 0-11-4, 15=165/20-11- 0-11-4, 18=165/20-11- 0-11-4, 20=145/20-11- 0-11-4, 20=145/20-11- 0-11-4, 20=145/20-11- 0-11-4, 20=145/20-11- 0-11-4, 20=145/20-11- 0-11-4, 20=145/20-11- 0-11-4, 20=145/20-11- 0-11-4, 11=141 (LC 26), LC 24), 13=168 (LC 24 LC 24), 13=168 (LC 24 LC 24), 15=279 (LC 21) LC 15), 18=279 (LC 23) LC 20), 20=165 (LC 23) LC 23)	or WEBS .4, 1) Unbalar .4, 2) Wind: A .4, 2) Wind: A .4, 2) Wind: A .5, 2006 Cat. II; F .6, 2006 Cat. II; F .7, 2006 Cat. II; F .7, 2007 Cat. II; F .7, 2006 Cat. II; F .7, 2007 Cat. II; F .7, 3) Truss C .7, 4) Plate D	SCE 7-16; Vult=130mph (3-s 03mph; TCDL=6.0psf; BCDL= Exp B; Enclosed; MWFRS (er d C-C Exterior(2E) 0-0-4 to 3 7-5-14, Exterior(2R) 7-5-14 t -14 to 17-11-8, Exterior(2E) 1 antilever left and right expose at exposed;C-C for members a 6 for reactions shown; Lumbe	107/222, 107/222, 107/222, 107/222, 107/222 /120, 5/124, 0/117, 6/125, a considered for econd gust) =6.0psf; h=25ft; tvelope) exterior -0-4, Interior -0-4, Interior -0-1-8, Interior -0-4, Interior -0-4	on the b 3-06-00 chord a 11) Provide bearing 1 and 2	pottom cho tall by 2-(ind any other emechanic plate cap- i3 lb uplift a	ord in all areas who the will fit the members. It is the members with the members. It is the members with th	between the bottom others) of truss to ng 79 lb uplift at joint
TOP CHORD		196/164, 3-4=-129/129 124/193, 6-7=-124/179 /66, 9-10=-154/101,	9, 5) Unbalar 5, 6) All plate 7) Gable r 8) Gable s 9) This trus	(c); (c)=1.0 (c); (c)=1.0 (c) c) c	onsidered for this wise indicated. ord bearing. 0.0 psf bottom		THE REAL PROPERTY OF STREET, ST	111111	

April 7,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1B	Valley	1	1	Job Reference (optional)	151224132

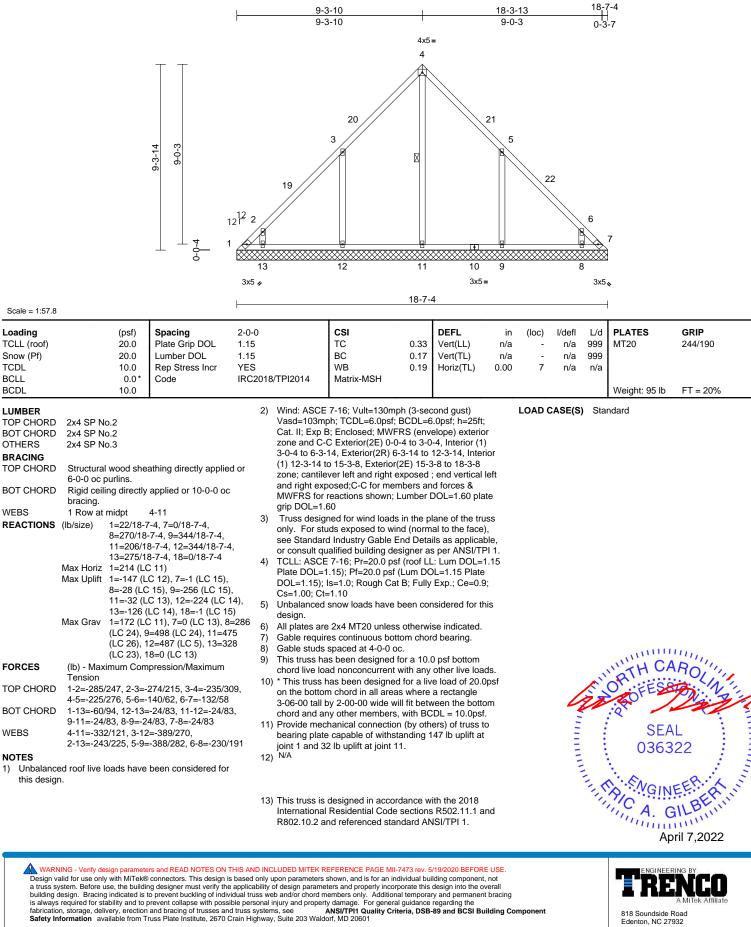
9-3-10

Carter Components (Sanford), Sanford, NC - 27332

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:10 ID:ecZulQRhcRtdtdrTWhmsqdyEMuk-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

18-3-13

Page: 1

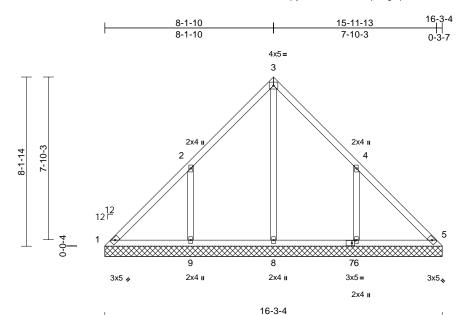


818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1C	Valley	1	1	Job Reference (optional)	151224133

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:10 ID:ecZulQRhcRtdtdrTWhmsqdyEMuk-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:55.6

Plate Offsets (X, Y): [7:0-1-10,0-1-8]

Plate Olisets	(X, Y): [7:0-1-10,0-1-8											-	
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	CSI TC BC WB Matrix-MSH	0.38 0.17 0.56	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 79 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 10-0-0 oc purlins. Rigid ceiling directly bracing. (lb/size) 1=27/16-3 6=375/16 9=373/16 Max Horiz 1=186 (LC Max Uplift 1=-102 (L 9=-232 (L Max Grav 1=122 (LC	3-4, 5=0/16-3-4, -3-4, 8=500/16-3-4, -3-4, 14=0/16-3-4 C 11) C 10), 6=-225 (LC 15) C 14) C 13), 5=1 (LC 24), 6= 3=686 (LC 26), 9=514	or 3) , 4) 5111 (LC	Vasd=103mp Cat. II; Exp E zone and C-1 (1) 11-14 tr zone; cantile and right exp MWFRS for grip DOL=1.1 Truss desigy only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct=	ned for wind loads ads exposed to wind d Industry Gable E alified building des 7-16; Pr=20.0 psf .15); Pf=20.0 psf (Is=1.0; Rough Cat	BCDL=6 RS (env. 4 to 3-0 1-14 to 2E) 13-3 xposed thers ar in the p d (norm nd Deta signer a (roof LI Lum DC B; Fully	a.Opsf; h=25ft; elope) exterio -4, Interior (1) 11-1-14, Inter -8 to 16-3-8 ; end vertical 1 d forces & DOL=1.60 pla lane of the tru al to the face) ils as applicat s per ANSI/TF -1: LUM DOL=1.15 Plate Exp.; Ce=0.9	or joor left te sss), ble, PI 1. 1.15 2;	LOAD C	CASE(S) Sta	ndard	
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalanc this desig	(lb) - Maximum Com Tension 1-2=-158/378, 2-3=- 4-5=-161/259 1-9=-146/76, 8-9=-1 5-6=-146/76 3-8=-489/0, 2-9=-39 eed roof live loads have	pression/Maximum 77/334, 3-4=-77/306, 46/76, 6-8=-146/76, 6/263, 4-6=-397/260	6) 7) 8) 9) 10)	design. Gable requir Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Provide mec	es continuous bott spaced at 4-0-0 oc is been designed f ad nonconcurrent v has been designed in chord in all areas by 2-00-00 wide wi hy other members, hanical connection a capable of withsta	om choi c. or a 10. with any for a liv s where Il fit betv with BC o (by oth	d bearing. O psf bottom other live load e load of 20.0 a rectangle veen the botto CDL = 10.0psf. ers) of truss to	ds.)psf om o				SEA 0363	• –
			12)		designed in accord Residential Code			nd				A. C	ALBERT

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.

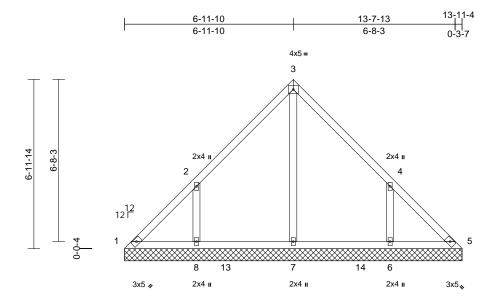
minim April 7,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1D	Valley	1	1	Job Reference (optional)	151224134

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:11 ID:5UZYouY0GoknjLwB8LnRrQyEMiz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



+

13-11-4

Scale = 1:47.6

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 IRC20 ⁷	18/TPI2014	CSI TC BC WB Matrix-MSH	0.35 0.17 0.17	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 65 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc Rigid ceil bracing. (Ib/size) Max Horiz Max Uplift	lo.2 lo.3 l wood shee purlins. ing directly 1=99/13-1 6=328/13- 8=328/13- 8=328/13- 1=-159 (LL 1=-40 (LC 6=-190 (L 1=143 (LC	C 12) : 10), 5=-3 (LC 11), C 15), 8=-195 (LC 14 C 24), 5=115 (LC 23) C 21), 7=382 (LC 23)	d or 5 4, 6 7 8 4) 9	 only. For stusee Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct=1 Unbalanced design. Gable requir Gable studs This truss ha chord live loa * This truss hort the bottor 3-06-00 tall h chord and ar 	hed for wind load dds exposed to w d Industry Gable alified building du 7-16; Pr=20.0 ps 15); Pf=20.0 ps is=1.0; Rough Ca =1.10 snow loads have es continuous bo spaced at 4-0-0 d s been designed an onconcurrent ans been designe n chord in all are yy other members hanical connectio	ind (norm End Deta esigner a: sf (roof Ll (Lum DC t (Lum DC been cor ttom chor oc. i for a 10. with any d for a liv as where vill fit betw s, with BC	al to the face ils as applica s per ANSI/TI :Lum DOL= :L=1.15 Plate Exp.; Ce=0.9 asidered for the d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the bott :DL = 10.0psl), ble, Pl 1. 1.15 ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;				vveignt: 65 ib	F1 = 20%	
	Tension		pression/Maximum			capable of withs									
TOP CHORD	1-2=-164 4-5=-142		222/131, 3-4=-222/1	11,										11.	
BOT CHORD	1-8=-83/1 5-6=-83/1		3/126, 6-7=-83/126,										"HCA	RO	
WEBS	3-7=-196	/0, 2-8=-38	5/236, 4-6=-385/234									15	R	De Main	_
this desigr Wind: ASC Vasd=103 Cat. II; Exp zone and 0 2-11-14 to Interior (1) 13-11-8 zc vertical lef forces & M	n. CE 7-16; Vu mph; TCDL D B; Enclos C-C Exterio 3-11-14, E 9-11-14 to one; cantile t and right 6	IIt=130mph =6.0psf; B(ed; MWFR: or(2E) 0-0-4 xterior(2R) 10-11-8, E ver left and exposed;C- reactions s	been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior to 2-11-14, Interior 3-11-14 to 9-11-14, xterior(2E) 10-11-8 tr right exposed ; end C for members and hown; Lumber	(1)									SEA 0363	EEP A	Nummer.



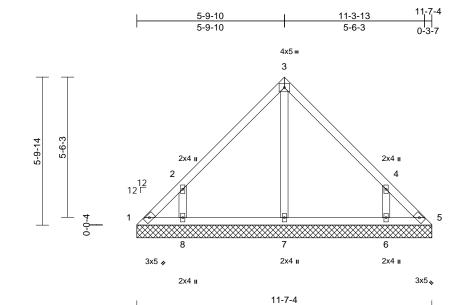


April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1E	Valley	1	1	Job Reference (optional)	151224135

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:11 ID:Zg7x?EZe16seKVUNh2lgOdyEMiy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







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 IRC20	18/TPI2014	CSI TC BC WB Matrix-MSH	0.33 0.12 0.09	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 52 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (lb/size) 1=57/11- 6=298/1 Max Horiz 1=-132 (L Max Uplift 1=-52 (LL 6=-170 (I Max Grav 1=103 (L	LC 12) C 12), 5=-20 (LC 13), LC 15), 8=-175 (LC 1 C 24), 5=84 (LC 26), C 21), 7=239 (LC 20)	5 6 7 8 4) 9	 only. For stt see Standar or consult qu TCLL: ASCE Plate DOL=' DOL=1.15); Cs=1.00; Ct: Unbalanced design. Gable requir Gable studs This truss ha chord live lo: * This truss ha on the botton 3-06-00 tall li chord and an 	ned for wind loads uds exposed to wind d Industry Gable E aulfied building de 7-16; Pr=20.0 psf Is=1.0; Rough Ca =1.10; Rough Ca =1.10 snow loads have es continuous bot spaced at 4-0-0 o as been designed ad nonconcurrent has been designed m chord in all area by 2-00-00 wide w hy other members hanical connectio	nd (norm nd Deta signer a: f (roof LL (Lum DC t B; Fully been cor tom chor c. for a 10. with any d for a liv s where ill fit betw	al to the face iils as applica s per ANSI/TI .: cum DOL= DL=1.15 Plate Exp.; Ce=0.1 nsidered for t rd bearing. 0 psf bottom other live loa re load of 20.1 a rectangle ween the bott), ble, Pl 1. 1.15 e 9; his ds. Opsf om				Weight. 32 ib	1 1 - 2076
FORCES	Tension	npression/Maximum		bearing plate	e capable of withst uplift at joint 5.								
TOP CHORD	1-2=-160/124, 2-3= 4-5=-135/87	-254/116, 3-4=-254/1	03,										
BOT CHORD	1-8=-45/93, 7-8=-40 5-6=-40/93	0/93, 6-7=-40/93,										TH CA	ARO
WEBS	3-7=-151/0, 2-8=-42	28/246, 4-6=-428/243									X	ORTEESS	1
NOTES											E 2		The second
 Unbalance this design 	ed roof live loads have n.	e been considered for	•							U	g e	<u>s</u> / •	- A.
2) Wind: AS Vasd=103	CE 7-16; Vult=130mpl mph; TCDL=6.0psf; E	CDL=6.0psf; h=25ft;	r									SEA 0363	•

Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 8-7-8, Exterior(2E) 8-7-8 to 11-7-8 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

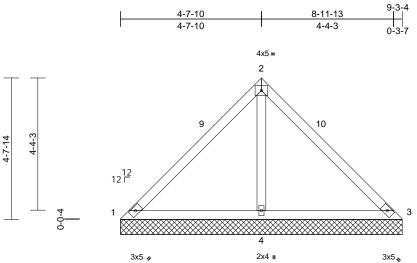
and forces & MWFRS DL=1.60 plate grip



818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1F	Valley	1	1	Job Reference (optional)	151224136

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:11 ID:Zg7x?EZe16seKVUNh2IgOdyEMiy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



9-3-4

Scale = 1:37.9

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 IRC2) 2018/TPI2014	CSI TC BC WB Matrix-MSH	0.43 0.42 0.21	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 38 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N Structura 9-3-4 oc Rigid ceil bracing. (Ib/size) Max Horiz Max Uplift	0.2 lo.3 I wood she purlins. ing directly 1=40/9-3- 4=661/9-3 1=104 (LC 1=-39 (LC 4=-133 (L	C 11) C 21), 3=-39 (LC 20), C 14) C 20), 3=108 (LC 21)		 Plate DOL= DOL=1.15) Cs=1.00; Unbalanced design. Gable requination Gable studies Gable studies This truss from the bottom of the b	E 7-16; Pr=20.0 p =1.15); Pf=20.0 ps ; Is=1.0; Rough Ca t=1.10 d snow loads have ires continuous bo s spaced at 4-0-0 has been designed bas bas been designed bas bas been designed bas bas bas bas bas bas bas bas bas bas	f (Lum DC at B; Fully been con totom choroc. I for a 10.1 t with any od for a liv as where will fit betv s. on (by oth	DL=1.15 Plate Exp.; Ce=0.9 nsidered for the d bearing. D psf bottom other live loa e load of 20.0 a rectangle ween the botto ers) of truss t	e); ds. Dpsf om					
FORCES TOP CHORD BOT CHORD WEBS	Tension 1-2=-134	/340, 2-3=- /191, 3-4=-				upint at joint 3.								
this desig 2) Wind: AS	n. CE 7-16; Vu	ılt=130mph	been considered for (3-second gust)									r. i	N'H CA	ROLIN

- Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 6-3-8, Exterior(2E) 6-3-8 to 9-3-8 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.



Page: 1



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1G	Valley	1	1	Job Reference (optional)	151224137

3-5-10

3-5-10

12 12 Г

9

3x5 🥠

1

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

3-2-3

7-0-0

3-5-14

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:11 ID:Zg7x?EZe16seKVUNh2IgOdyEMiy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6-7-13

3-2-3

4x5 = 2

6-11-4

0-3-7

Page: 1

10 3 4 2x4 II 3x5 💊 6-11-4

Scale = 1:33.2 -

		1				. · · ·					i	
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	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI201	1 Matrix-MP								
BCDL	10.0				-						Weight: 28 lb	FT = 20%
LUMBER				SCE 7-16; Pr=20.0								
TOP CHORD				OL=1.15); Pf=20.0 p								
BOT CHORD				15); ls=1.0; Rough (); Ct=1.10	Cat B; Fully	Exp.; Ce=0.	9,					
OTHERS	2x4 SP No.3			nced snow loads hav	ve heen coi	nsidered for t	his					
BRACING	o , , , , , ,		, dooign				110					
TOP CHORD	Structural wood sh 6-11-4 oc purlins.	eathing directly appli	6) Gable r	equires continuous b		rd bearing.						
BOT CHORD	Rigid ceiling directl bracing.	y applied or 6-0-0 oc	8) This tru	tuds spaced at 4-0-0 ss has been designe	ed for a 10.		da					
REACTIONS	(lb/size) 1=45/6-7 4=464/6	1-4, 3=45/6-11-4, -11-4	9) * This t	ve load nonconcurre uss has been design	ned for a liv	e load of 20.0						
	Max Horiz 1=-77 (L			ottom chord in all a								
	Max Uplift 1=-11 (LC 21), 3=-11 (LC 20), 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.											
	4=-90 (L	C 14)		mechanical connec		ers) of trues t	'n					
	Max Grav 1=99 (L0 (LC 21)	C 20), 3=99 (LC 21),	4=503 bearing	plate capable of wit								
FORCES	()	mpression/Maximum	1 and 1	1 lb uplift at joint 3.								
	Tension											
TOP CHORD	1-2=-74/202, 2-3=-	74/202										
BOT CHORD	1-4=-163/108, 3-4=	-163/108										
WEBS	2-4=-352/121											
NOTES												0.00
 Unbalance this design 	ed roof live loads hav	e been considered fo	or								"TH CI	ARO
0	 CE 7-16; Vult=130mp	h (3-second aust)								N	R	D. LIN'L
	Bmph; TCDL=6.0psf; I								/	~ >	FES	PN
	p B; Enclosed; MWFI								4			ny
	C-C Exterior(2E) 0-0-									2 12	:4	1 1 1 E
	-11-8, Exterior(2E) 3-								-		SE/	AL : =
	left and right expose									:	0363	• -
	sed;C-C for members		3						1		0303	22 : :
DOL=1.60		JL=1.00 plate grip							-		N	1 E
	signed for wind loads	in the plane of the tru	uss							2.	SEA 0363	Airs
	studs exposed to win									25	S. VGIN	IEF. as
	lard Industry Gable E									11	10	BEIN
or consult	qualified building des	igner as per ANSI/T	PI 1.								11, A. (allun
											in the second	mm.

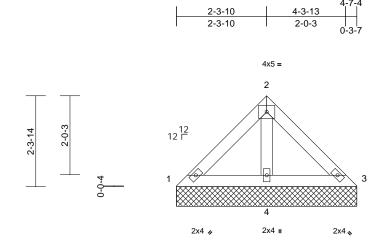
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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



1111111 April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V1H	Valley	1	1	Job Reference (optional)	

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:12 ID:Zg7x?EZe16seKVUNh2IgOdyEMiy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



4-7-4

<u> </u>		
Scale	=	1:29.4

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 IRC2017	8/TPI2014	CSI TC BC WB Matrix-MP	0.08 0.11 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 18 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	$\begin{array}{l} 2x4 \ \text{SP No.2} \\ 2x4 \ \text{SP No.2} \\ 2x4 \ \text{SP No.3} \\ \hline \\ \text{Structural wood shea} \\ 4-7-4 \ \text{oc purlins.} \\ \text{Rigid ceiling directly} \\ \text{bracing.} \\ (\text{lb/size}) 1=51/4-7-4 \\ 4=265/4-7 \\ \text{Max Horiz} 1=50 \ (\text{LC} \ \text{Max Uplift} 3=-1 \ (\text{LC} \ \text{I}) \\ \text{Max Grav} 1=89 \ (\text{LC} \ \text{C2}) \\ (\text{LC} \ 21) \end{array}$	applied or 6-0-0 oc 4, 3=51/4-7-4, -4 13) 15), 4=-40 (LC 14)	9) 10	design. Gable requir Gable studs This truss ha chord live loo * This truss h on the bottor 3-06-00 tall h chord and ar	snow loads have es continuous be spaced at 4-0-0 as been designe ad nonconcurrer as been design n chord in all are by 2-00-00 wide by other membeu hanical connecti e capable of with	ottom chor oc. d for a 10.0 t with any ed for a liv eas where will fit betw s. on (by oth	rd bearing. 0 psf bottom other live loa re load of 20.0 a rectangle veen the botto ers) of truss f	ds.)psf om o					
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design	(Ib) - Maximum Com Tension 1-2=-77/90, 2-3=-77/ 1-4=-79/57, 3-4=-79/ 2-4=-166/46 ed roof live loads have	'90 '57	r										11111

- 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.
- 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

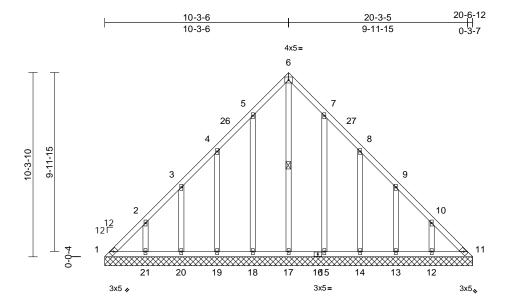




Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V2A	Valley	1	1	Job Reference (optional)	151224139

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:12 ID:hXosQoQIhzmbaS4W0eITSdzTP47-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





			1		20-6-1	2						
Scale = 1:64.4										1		
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	1-11-4 1.15 1.15 YES IRC2018/TPI20	CSI TC BC WB 14 Matrix	0.10 0.06 0.28 MSH	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 143 II	GRIP 244/190 D FT = 20%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 1=79/20-6 12=193/20 17=126/21 17=126/21 Max Horiz 1=-230 (L Max Uplift 1=-77 (LC 12=-68 (L 14=-98 (L 14=-98 (L 18=-93 (L 20=-100 (Max Grav 1=170 (LC 12=198 (L 14=205 (L 17=222 (L	applied or 6-0-0 oc 6-17 5-12, 11=79/20-6-12, 0-6-12, 13=144/20-6- 0-6-12, 15=160/20-6- 0-6-12, 18=160/20-6- 0-6-12, 20=144/20-6- 0-6-12, 20=144/20-6- 0-6-12, 20=14/20-6- 0-6-12 C 10) 12), 11=-24 (LC 13) C 15), 13=-102 (LC 12 C 15), 13=-102 (LC 12 C 15), 13=-98 (LC 14 LC 14), 21=-77 (LC 12 C 14), 13=-34 (LC 12 C 20), 13=-271 (LC 2 C 20), 20=164 (LC 2 C 23) pression/Maximum 193/158, 3-4=-127/12 121/184, 6-7=-121/10	NOTES 12, 1) Unba 12, 2) Wind: 12, 2) Wind: 12, 2) Wind: 12, Cat. I zone 3-0-4 (1) 13 zone (1) 13 zone (1) 13 zone (1) 13 zone (1) 13 zone (1) 13 zone (1) 13 zone (3), 2008 (1) 2008 (2) 2008 (1) 2008 (2) 2008 (1) 2008 (2) 2	19-20=-1 17-18=-1 14-15=-1 12-13=-1 6-17=-19 4-19=-16 2-21=-14 8-14=-16 10-12=-1 anced roof live esign. ASCE 7-16; VI =103mph; TCDI ; Exp B; Enclos and C-C Exterior to 7-3-10, Exter -3-10 to 17-7-0 cantilever left a ght exposed;C- RS for reactions OL=1.60 s designed for v For studs expo tandard Industr isult qualified b : ASCE 7-16; P DOL=1.15); Is=1.0; anced snow loa h. tes are 2x4 MT requires contir studs spaced a	loads have been ult=130mph (3-se _=6.0psf; BCDL=6 (ed; MWFRS (env or(2E) 0-0-4 to 3-(ior(2R) 7-3-10 to , Exterior(2E) 17 ind right exposed C for members ar s shown; Lumber vind loads in the p sed to wind (norm y Gable End Deta uilding designer a r=20.0 psf (coof L icough Cat B; Fully ads have been co 20 unless otherw uous bottom cho	00/211, 00/211, 00/211, 00/211, 00/211 116, /122, /114, /123, considered fo cond gust) 3.0psf; h=25ft; elope) exteric 0-4, Interior (1, 13-3-10, Inter 7-0 to 20-7-0 ; end vertical elope) exteric 0-4, Interior (1, 13-3-10, Inter 7-0 to 20-7-0 ; end vertical lane of the tru, val to the face ils as applical s per ANSI/TF .: Lum DOL=: DL=1.15 Plate re Exp.; Ce=0.5 insidered for the ise indicated. rd bearing. 0 psf bottom	; or) rior left uss), bble, PI 1. 1.15 e 3; his	on 1 3-00 cho 11) Pro bea 1 a	the botto 6-00 tall rd and a vide me tring pland nd 24 lb	om chc by 2-C any oth cchanic te capp uplift a	ord in all areas v 10-00 wide will f her members. al connection (li able of withstan at joint 11.	AL 322

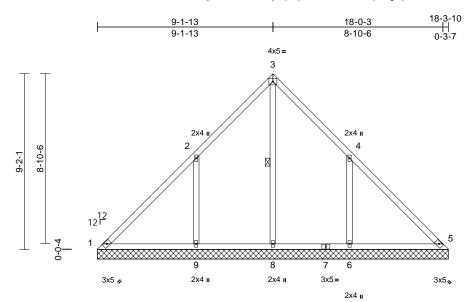
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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



April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V2B	Valley	1	1	Job Reference (optional)	151224140

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:12 ID:9jMEe8QwSHuSCcfjaMpi?qzTP46-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scolo - 1:60 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	TC	0.44	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horiz(TL)	0.00	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 91 lb	FT = 20%

18-3-10

TOP CHORD	2X4 SP N	0.2
BOT CHORD	2x4 SP N	0.2
OTHERS	2x4 SP N	0.3
BRACING		
TOP CHORD	Structural	wood sheathing directly applied or
	10-0-0 oc	purlins.
BOT CHORD		ing directly applied or 6-0-0 oc
	bracing.	
WEBS	1 Row at	midpt 3-8
REACTIONS	(lb/size)	1=24/18-3-10, 5=1/18-3-10,
		6=433/18-3-10, 8=545/18-3-10,
		9=435/18-3-10, 14=1/18-3-10
	Max Horiz	1=210 (LC 11)
	Max Uplift	1=-105 (LC 10), 5=-1 (LC 15),
		6=-261 (LC 15), 9=-269 (LC 14),
		14=-1 (LC 15)
	Max Grav	
		(LC 24), 8=748 (LC 26), 9=595 (LC
		23), 14=1 (LC 24)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-2=-164/	463, 2-3=-58/378, 3-4=-57/366,
	4-5=-279/	/381
BOT CHORD	1-9=-196/	/99, 8-9=-196/99, 6-8=-196/99,
	5-6=-196/	'99
WEBS	3-8=-568/	0, 2-9=-426/296, 4-6=-424/293
NOTEO		

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

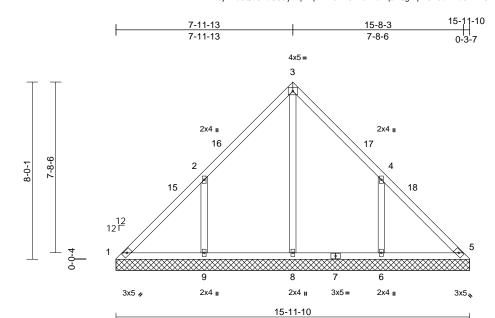
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 6-2-1, Exterior(2R) 6-2-1 to 12-2-1, Interior (1) 12-2-1 to 15-3-14, Exterior(2E) 15-3-14 to 18-3-14 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.
 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) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 1, 1 lb uplift at joint 5 and 1 lb uplift at joint 5.





Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V2C	Valley	1	1	Job Reference (optional)	151224141

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:12 ID:9jMEe8QwSHuSCcfjaMpi?qzTP46-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:52

grip DOL=1.60

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	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.53	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 77 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD	2x4 SP No.2 2x4 SP No.3	athing directly applie	only. Fo see Star or const 4) TCLL: A Plate Do DOL=1.	esigned for wind load r studs exposed to w idard Industry Gable It qualified building dr SCE 7-16; Pr=20.0 ps DL=1.15); Pf=20.0 ps (5); Is=1.0; Rough Ca	ind (norm End Deta esigner a sf (roof Ll f (Lum DC	al to the face ils as applical s per ANSI/TF .: Lum DOL= DL=1.15 Plate), ble, Pl 1. 1.15					
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	5) Unbalar	; Ct=1.10 ced snow loads have	been cor	nsidered for th	nis					
REACTIONS	6=368/15 9=365/15 Max Horiz 1=183 (LC Max Uplift 1=-102 (L 9=-227 (L Max Grav 1=121 (LC	.C 10), 6=-220 (LC 19 .C 14) C 13), 5=0 (LC 24), 6 =675 (LC 26), 9=504	-10, 7) Gable s 10 8) This trus chord lix 5), 9) * This tr on the b 3=506 3-06-00 (LC chord an	quires continuous bo uds spaced at 4-0-0 d s has been designed e load nonconcurrent uss has been designed titom chord in all are: tall by 2-00-00 wide v d any other members mechanical connection	oc. I for a 10.1 t with any ed for a liv as where vill fit betw s, with BC	0 psf bottom other live loa re load of 20.0 a rectangle veen the botto CDL = 10.0psf)psf om					
FORCES	(lb) - Maximum Corr Tension	pression/Maximum		plate capable of withs								
TOP CHORD		73/325, 3-4=-43/297										1.1.5
BOT CHORD	1-9=-136/72, 8-9=-1 5-6=-136/72	36/72, 6-8=-136/72,									ORTH CA	RO
WEBS	3-8=-477/0, 2-9=-39	3/258, 4-6=-394/256	i							N.	ORTESS	A INTO
NOTES										52	A CESS	THAT
,	ed roof live loads have	been considered for								0	181 1	4. 4.
Vasd=103 Cat. II; Ex zone and 3-0-4 to 5 11-0-1 to zone; can and right of	CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B cp B; Enclosed; MWFR C-C Exterior(2E) 0-0-4 -0-1, Exterior(2E) 5-0- 12-11-14, Exterior(2E) tillever left and right exp tillever left and right exp for reactions shown; Lu						THE AVE.		SEA 0363	22 EER HR III		

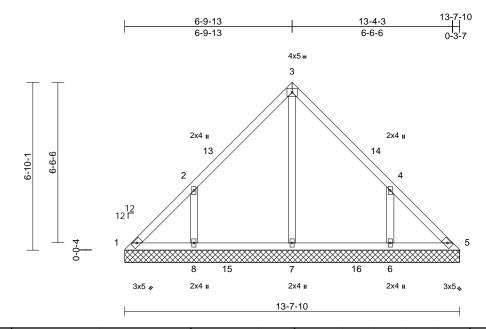
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 A. GILDIN April 7,2022

> 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V2D	Valley	1	1	Job Reference (optional)	151224142

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:13 ID:?a?maKZJ?L3UJf6YuJz_8xzTP1M-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Loading	(psf)	Spacing
TCLL (roof)	20.0	Plate G

Scale = 1:46.9

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/TPI2	014	CSI TC BC WB Matrix-MSH	0.35 0.17 0.15	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 64 lb	GRIP 244/190 FT = 20%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					ned for wind loads ids exposed to wird d Industry Gable E ialified building des 7-16; Pr=20.0 psf (15); Pf=20.0 psf (15)	nd (norm ind Deta signer as f (roof LL (Lum DC B; Fully been cor com chor c. for a 10.0 with any f for a liv s where ill fit betv with BC	al to the face ils as applical s per ANSI/TF :Lum DOL=: L=1.15 Plate Exp.; Ce=0.9 asidered for th d bearing.) psf bottom other live loa e load of 20.0 a rectangle veen the bottt DL = 10.0psf), ble, 21 1. 1.15 0; his ds. 0psf om					
	Tension		1 ar		e capable of withsta plift at joint 5.	anding 4	1 lb uplift at j	oint					
TOP CHORD	4-5=-139/96	,	32,										1117
BOT CHORD	1-8=-61/123, 7-8=-6 5-6=-61/121	1/121, 6-7=-61/121,										"TH CA	ROUL
WEBS	3-7=-189/0, 2-8=-38	6/239, 4-6=-386/239									S.	OREES	in North
NOTES 1) Unbalance this design 2) Wind: AS Vasd=10: Cat. II; Ez zone and 2-10-1 to (1) 9-10-7 zone; car and right MWFRS										EER HR III			

and C-C Exte to 2-10-1. Int 2-10-1 to 3-10-1, Exterior(2E) 3-10-1 to 9-10-1, Interior (1) 9-10-1 to 10-7-14, Exterior(2E) 10-7-14 to 13-7-14 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

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

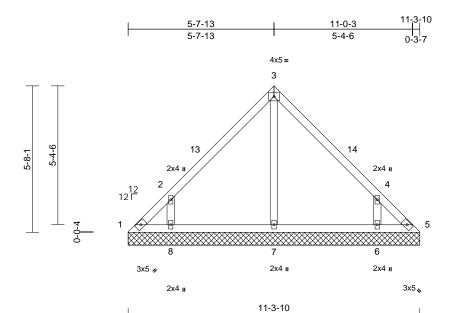


G minim April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V2E	Valley	1	1	Job Reference (optional)	151224143

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:13 ID:yz7X_0aaXzKCYzGw?k?SDMzTP1K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





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	3/TPI2014	CSI TC BC WB Matrix-MSH	0.33 0.12 0.09	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 50 lb	GRIP 244/190 FT = 20%
	2x4 SP No.3 Structural wood shea 6-0-0 cc purlins. Rigid ceiling directly a bracing. (lb/size) 1=46/11-3- 6=298/11-3 8=298/11-3 Max Horiz 1=-128 (LC Max Uplift 1=-58 (LC 6=-169 (LC Max Grav 1=98 (LC 1	applied or 10-0-0 oc -10, 5=46/11-3-10, 3-10, 7=215/11-3-10 3-10 2 10) 12), 5=-27 (LC 13), C 15), 8=-175 (LC 14	5) , 6) 7) 8) .) =457 (LC	only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. Gable requirt Gable studs This truss ha chord live loa * This truss ha on the bottor 3-06-00 tall b chord and ar	ned for wind load: dids exposed to wi d Industry Gable I ralified building de 7-16; Pr=20.0 psf ls=1.0; Rough Ca =1.10 snow loads have es continuous bot spaced at 4-0-0 c is been designed ad nonconcurrent has been designed d nonconcurrent has been designed hord in all area y 2-00-00 wide w y other members hanical connectio	nd (norm End Deta signer as if (roof LL (Lum DC t B; Fully been cor tom chor ic. for a 10.1 with any d for a liv as where ill fit betv	al to the face ils as applica s per ANS/TI :: Lum DOL= DL=1.15 Plate Exp.; Ce=0.9 asidered for the d bearing. D psf bottom other live loa e load of 20.0 a rectangle ween the bottom), ble, Pl 1. 1.15 9; his ds. Dpsf				<u>.</u>	
FORCES	(lb) - Maximum Comp Tension			bearing plate	capable of withs plift at joint 5.								
TOP CHORD	1-2=-167/125, 2-3=-2 4-5=-143/90	257/131, 3-4=-257/13	81,										1.1.1
BOT CHORD	1-8=-44/90, 7-8=-38/9 5-6=-43/90	90, 6-7=-38/90,										TH CA	RO
WEBS	3-7=-148/0, 2-8=-445	5/302, 4-6=-445/302									1	ORIEESS	ich.
NOTES 1) Unbalance this design	ed roof live loads have b	been considered for								4	Ż		hit

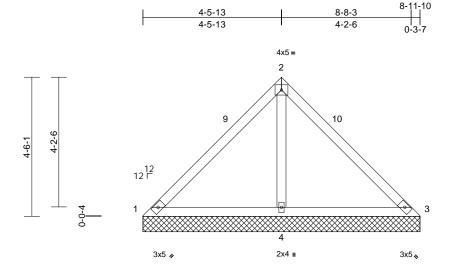
- Wind: ASCE 7-16; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 8-3-14, Exterior(2E) 8-3-14 to 11-3-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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



818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V2F	Valley	1	1	Job Reference (optional)	151224144

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:13 ID:uLEHPhcq3aawoHPJ791wInzTP1I-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



8-11-10

Scale =	1.27.2

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 IRC201	8/TPI2014	CSI TC BC WB Matrix-MP	0.47 0.44 0.20	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 37 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 8-11-10 oc purlins. Rigid ceiling directly bracing.	I-10, 3=21/8-11-10, I1-10 C 10) C 10) C 11, 3=-57 (LC 20), C 14)	6; 7; 8; 9;	Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalancet design. Gable requir Gable studs This truss ha chord live loa * This truss f on the bottor 3-06-00 tall t chord and ar Provide mec bearing plate	7-16; Pr=20.0 ps 15); Pf=20.0 ps is=1.0; Rough Ca =1.10 snow loads have es continuous bot spaced at 4-0-0 c is been designed ad nonconcurrent nas been designed in chord in all area by 2-00-00 wide w by other members hanical connectio e capable of withs iplift at joint 3.	(Lum DC t B; Fully been cor tom chor oc. for a 10.1 with any d for a liv as where vill fit betv s. n (by oth	DL=1.15 Plate Exp.; Ce=0.9 asidered for th d bearing. D psf bottom other live loar e load of 20.0 a rectangle ween the botto ers) of truss th	; ds. Ipsf om					
FORCES TOP CHORD BOT CHORD WEBS		163/332			pint at joint 0.								
this desig 2) Wind: AS	ed roof live loads have n. CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B ⁱ	(3-second gust)								6	111	ORTH CA	ROLIN

- Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 5-11-14, Exterior(2E) 5-11-14 to 8-11-14 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.



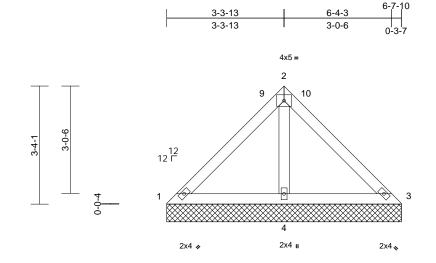
ENGINEERING BY ENGINEERING BY A MITEK ATTILLE B18 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC	
22030103	V2G	Valley	1	1	Job Reference (optional)	151224145

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:13 ID:MYofd1dSquinPR_VhtZ9q?zTP1H-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



6-7-10

Scale = 1:32.6

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	CSI TC BC WB Matrix-MP	0.22 0.24 0.08	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 27 lb	GRIP 244/190 FT = 20%
this desig 2) Wind: AS Vasd=100 Cat. II; Eb zone and 3-0-4 to 3 cantilever right expo for reactio DOL=1.6 3) Truss de	2x4 SP No.2 2x4 SP No.3 Structural wood she $6^{-7.10}$ oc purlins. Rigid ceiling directly bracing. (lb/size) $1=47/6-7$. $4=436/6^{-7}$. Max Horiz $1=74$ (LC Max Uplift $1=-6$ (LC (LC 14) Max Grav $1=109$ (LI 4=472 (LG (lb) - Maximum Com Tension 1-2=-83/186, 2-3=-8 1-4=-137/156, 3-4=-2-4=-326/201 ered roof live loads have in. CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B qx B; Enclosed; MWFR C-C Exterior(2E) 0-0-4 -7-14, Exterior(2E) 3-7 r left and right exposed pont signed for wind loads in	10, 3=47/6-7-10, 7-10 11) 21), 3=-6 (LC 20), 4= C 20), 3=109 (LC 21) C 21) 21) 22) 22) 22) 3/186 137/156 been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior to 3-0-4, Exterior(2F -14 to 6-7-14 zone; ; end vertical left and and forces & MWFRS 0L=1.60 plate grip to the plane of the trus	5) d or 6) 7) 8) 9) -83 , 10) , 10)	Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced : design. Gable require Gable studs s This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and an Provide mecl	snow loads have the sea continuous bott spaced at 4-0-0 or s been designed full nonconcurrent van has been designed in chord in all area: y 2-00-00 wide with yo other members. hanical connection capable of withste	(Lum DC B; Fully been cor com chor c. for a 10.0 with any l for a liv s where ll fit betv n (by oth	DL=1.15 Plate Exp.; Ce=0.9 asidered for th d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto ers) of truss t	e); ds. Dpsf om		(), tritten		SEA 0363	• -
see Stand	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/CPL1									LBERT			

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.

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



GI

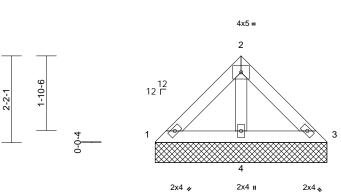
1111111 April 7,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 98 FaNC
22030103	V2H	Valley	1	1	I51224146 Job Reference (optional)

Run: 8.53 S Dec 6 2021 Print: 8.530 S Dec 6 2021 MiTek Industries, Inc. Wed Apr 06 15:34:14 ID:IwwQ2jeiMVyUfk8uolbdwQzTP1F-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

 2-1-13
 4-0-3
 4-3-10

 2-1-13
 1-10-6
 0-3-7



4-3-10

Scale = 1:28.8

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/TPI20	14 CSI TC BC WB Matrix-MP	0.07 0.09 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 16 lb	GRIP 244/190 FT = 20%
BOT CHORD 2x4 OTHERS 2x4 BRACING TOP CHORD Stru 4-3 BOT CHORD Rig bra REACTIONS (Ib/si	-10 oc purlins. id ceiling directly cing. ze) 1=51/4-3 4=243/4- Horiz 1=-46 (L0 Uplift 3=-3 (LC		desigr 6) Gable 7) Gable 8) This tr chord 9) * This on the 3-06-0 chord 10) Provid bearin 3.	anced snow loads har requires continuous I studs spaced at 4-0-1 uss has been design live load nonconcurre truss has been desig bottom chord in all a 10 tall by 2-00-00 wide and any other membr le mechanical connec g plate capable of wit	bottom chor 0 oc. ed for a 10. ent with any ned for a liv reas where e will fit betv ers. ttion (by oth	rd bearing. 0 psf bottom other live load ve load of 20.0 a rectangle ween the botto uers) of truss to	ds.)psf om o					
TOP CHORD 1-2 BOT CHORD 1-4 WEBS 2-4 NOTES 1) Unbalanced roc this design. 2) Wind: ASCE 7-	sion =-74/79, 2-3=-74 =-65/90, 3-4=-65 =-146/86 f live loads have 16; Vult=130mpt		r								WITH CA	ROUT

- 2) Wind: ASCE 7-16; Vull=130mpn (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.
- 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





