

Trenco 818 Soundside Rd Edenton, NC 27932

Re: Hoener Brad Cummings- Hoener Job.

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

Pages or sheets covered by this seal: I52514602 thru I52514642

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

North Carolina COA: C-0844



June 13,2022

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	Brad Cummings- Hoener Job.	
Hoener	AT1	Attic	13	1	Job Reference (optional)	152514602

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:26 ID:BTtzQsUdkcsE1i?eLIWxQNz9_p2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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	4-7-6 oc	ourlins, except
	2-0-0 oc	ourlins (3-8-11 max.): 7-8.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
JOINTS	1 Brace a	at Jt(s): 18,
	19, 20	
REACTIONS	(lb/size)	2=1225/0-3-8, 13=1225/0-3-8
	Max Horiz	2=-220 (LC 10)
	Max Grav	2=1784 (LC 3), 13=1784 (LC 3)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-2=0/34,	2-3=-2297/0, 3-5=-2157/0,
	5-6=-133	2/0, 6-7=-806/139, 7-8=-672/93,
	8-9=-806/	/139, 9-10=-1332/0, 10-12=-2157/0,
	12-13=-2	296/0, 13-14=0/34
BOT CHORD	2-17=0/14	489, 15-17=0/1458, 13-15=0/1416
WEBS	5-17=0/1	109, 10-15=0/1109, 6-18=-1376/0,
	18-19=-1	370/0, 19-20=-1369/0,
	9-20=-13	75/0, 3-17=-101/194,
	12-15=-1	01/194, 7-18=0/78, 7-19=-16/110,
	8-19=-16/	/110, 8-20=0/78

NOTES

Scale = 1:77.2

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TOP CHORD

BOT CHORD

TCDL

BCLL

BCDL

WEBS

WEDGE

BRACING

TOP CHORD

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

- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads. 6)
- Provide adequate drainage to prevent water ponding. All plates are MT20 plates unless otherwise indicated. 7)
- 8) 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 9) on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
- 10) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-18, 18-19, 19-20, 9-20; Wall dead load (5.0psf) on member(s).5-17, 10-15
- 11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17
- 12) This truss is designed in accordance with the 2015 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.
- 14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	AT1A	Attic Girder	1	2	Job Reference (optional)	152514603

Scale = 1:77.2

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:28 ID:IrwuCVby6a9DHirxc5c84az9_iR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Plate Offsets (X, Y): [6:0-1-13,0-2-0], [7:0-3-14,Edge], [8:0-3-14,Edge], [9:0-1-13,0-2-0], [10:0-0-0,Edge], [15:0-6-0,0-2-8], [17:0-6-0,0-2-8]

 Summer Conception 2 Act S P No.2 Sch S P No.2<th>Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL</th><th>(psf) 20.0 15.0 10.0 0.0* 10.0</th><th>Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code</th><th>4-0-0 1.15 1.15 NO IRC2015</th><th>/TPI2014</th><th>CSI TC BC WB Matrix-S</th><th>0.95 0.59 0.31</th><th>DEFL Vert(LL) Vert(CT) Horz(CT) Attic</th><th>in -0.25 -0.37 0.02 -0.21</th><th>(loc) 15-17 15-17 13 15-17</th><th>l/defl >999 >969 n/a >845</th><th>L/d 240 180 n/a 360</th><th>PLATES MT20 MT20HS Weight: 592 lb</th><th>GRIP 244/190 187/143 FT = 20%</th><th></th>	Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	4-0-0 1.15 1.15 NO IRC2015	/TPI2014	CSI TC BC WB Matrix-S	0.95 0.59 0.31	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.25 -0.37 0.02 -0.21	(loc) 15-17 15-17 13 15-17	l/defl >999 >969 n/a >845	L/d 240 180 n/a 360	PLATES MT20 MT20HS Weight: 592 lb	GRIP 244/190 187/143 FT = 20%	
JUIG 13.2022	LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD JOINTS REACTIONS FORCES TOP CHORD BOT CHORD WEBS	2x6 SP No.2 2x10 SP 2250F 1.9E 2x10 SP SS 2x4 SP No.2 *Except 1.5E or 2x4 SP No.1 Left: 2x4 SP No.2 Right: 2x4 SP No.2 2-0-0 oc purlins (6-0- (Switched from shee Rigid ceiling directly bracing. 1 Brace at Jt(s): 7, 8, 18, 19, 20 (Ib/size) 2=2449/0- Max Horiz 2=-440 (L0 Max Grav 2=3568 (L (Ib) - Maximum Comp Tension 1-2=0/68, 2-3=-4593, 5-6=-2663/0, 6-7=-11 8-9=-1612/278, 9-10 10-12=-4314/0, 12-11 2-17=0/2978, 15-17= 5-17=0/2219, 10-15= 18-19=-2739/0, 19-21 9-20=-2751/0, 3-17= 12-15=-203/388, 7-11 8-19=-31/219, 8-20=	or 2x10 SP DSS or * 6-9:2x4 SP 1650F or 2x4 SP SS -0 max.) ted: Spacing > 2-0-0; applied or 10-0-0 oc 3-8, 13=2449/0-3-8 C 10) C 3), 13=3568 (LC 3 pression/Maximum /0, 3-5=-4314/0, 512/278, 7-8=-1343/1 =-2663/0, 3=-4593/0, 13-14=0/4 =0/2916, 13-15=0/283 =0/2219, 6-18=-2752/ 0=-2739/0, -202/388, 8=0/156, 7-19=-31/2 0/156	1) 2) 3) 4) 5) 186, 61 61 63 7) (0, 19, 9) 10) 11)	2-ply truss to (0.131"x3") n Top chords c staggered at Bottom chords c staggered at Web connect All loads are except if note CASE(S) sec provided to d unless otherw Unbalanced this design. Wind: ASCE Vasd=91mph II; Exp B; End cantilever left plate grip DO TCLL: ASCE DOL=1.15 Pl Lumber DOL: Partially Exp. Unbalanced this design. This truss hai load of 12.0 p overhangs nd Provide adeq All plates are This truss hai chord live loa * This truss hai chord and an	be connected toge ails as follows: onnected as follow 0-9-0 oc. Is connected as follow 0-9-0 oc. Is connected as follow 0-9-0 oc. Is connected as follows: 2x4 considered equally and as front (F) or battion. Ply to ply con istribute only loads vise indicated. roof live loads have 7-10; Vult=115mpH ; TCDL=6.0psf; BC closed; MWFRS (e: and right exposed L=1.60 7-10; Pr=20.0 psf ate DOL=1.15); Pf= =1.15 Plate DOL=1 ; Ct=1.10 show loads have be so been designed for bosf or 2.00 times fila on-concurrent with uate drainage to p MT20 plates unles so been designed for d nonconcurrent w as been designed for d nonconcurrent w as been designed for d nonconcurrent w as been designed for d nonconcurrent with used farmage to p MT20 plates unles so been designed for d nonconcurrent w as been designed for h chord in all areas y 1-00-00 wide will y other members.	ether wi s: 2x6 - lows: 2: - 1 row applied ck (B) f nection noted : e been of (3-sec CDL=6.0 nvelope ; Lumb (roof liv =10.0 p 1.15); C een cor or greate throof k other liv revent v so other r a 10.0 ith any for a liv where fit betw	th 10d 2 rows x10 - 2 rows at 0-9-0 oc. d to all plies, face in the LC s have been as (F) or (B), considered for cond gust) Dpsf; h=30ft; (b) exterior zon ber DOL=1.60 e load: Lumbu sf (flat roof sn ategory II; Ex histidered for the er of min roof bad of 10.0 ps ve loads. water ponding wise indicated 0 psf bottom other live load e load of 20.0.0 a rectangle veen the bottoc	DAD r Cat. le; oow: p B; nis live sf on g. d. ds. ppsf om	12) Ceil 6-18 mer 13) Bott cho 14) This Inte R8C 15) Gra or tf bott 16) Attio LOAD (ing dead 3, 18-19 nober(s). tom choir d dead s truss is rmationa (2.10.2 c phical phe orient om choir c room c CASE(S)	d load , 19-20 5-17, 1 rd live load (d desig I Resid urlin re- ration of d. hecke Stai	(5.0 psf) on mem), 9-20; Wall dea 10-15 load (40.0 psf) applied c ned in accordann dential Code sec erenced standar appresentation doe of the purlin along d for L/360 deflea ndard CHEESS SEA 0363 NGIN A. C June	ber(s). 5-6, 9- d load (5.0psf) nd additional b nly to room. 18 æ with the 201 ions R502.11. J ANSI/TPI 1. is not depict th g the top and/or tion.	10, on ottom 5-17 5 1 and ie size ir

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	Brad Cummings- Hoener Job.	
Hoener	AT1E	Attic Structural Gable	1	1	Job Reference (optional)	152514604



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June 13,2022

818 Soundside Road Edenton, NC 27932

Plate Offsets (X, Y): [10:0-2-2,Edge], [16:0-2-2,Edge], [18:0-0-0,Edge], [41:0-1-15,0-1-8]

Loading		(psf)	Spacing	2-0-0		csi		DEFL	in	(lo	c) l/defl	L/d	PLATES	GRIP	ı
TCLL (roof)		20.0	Plate Grip DOL	1.15		TC	0.44	Vert(LL)	-0.07	29-3	1 >999	240	MT20	244/1	90
Snow (Pf)		15.0	Lumber DOL	1.15		BC	0.19	Vert(CT)	-0.10	29-3	1 >999	180			
TCDL		10.0	Rep Stress Incr	YES		WB	0.33	Horz(CT)	0.00	2	4 n/a	n/a			
BCLL		0.0*	Code	IRC201	5/TPI2014	Matrix-S									
BCDL		10.0											Weight: 335 I	ib FT = :	20%
				т		1-2-0/33 2-3453	/170 3	4361/139		4)		E 7-10). Pr-20.0 psf (*	roof live lc	ad: Lumber
	2v6 SP No	2				4-5354/130 5-7-	-364/15		153	-, r	101 = 1.15	Plate D)OI -1 15): Pf-	10 0 nef (f	flat roof snow:
	2x0 SF NU.					8-9-510/111 9-10		76	155,	1		1 –1 14	5 Plate DOI -1	15). Cate	any II: Eyn B:
BOT CHORD	2x10 SP 22	S	01 2X10 3F D33 01			10-11=-696/148, 11	-12=-6	96/148,		F	Partially Exp	D.; Ct=	1.10	10), Outo	gory II, Exp B,
WEBS	2x4 SP No	2 *Except	t* 9-17 [.] 2x4 SP 1650	-		12-13=-696/148, 13	8-14=-6	96/148,		5) l	Jnbalanced	l snow	loads have be	en consid	lered for this
112B0	1.5E or 2x4	SP No.1	or 2x4 SP SS			14-15=-696/148, 15	5-16=-6	96/148,		ć	lesign.				
OTHERS	2x4 SP No.	.2				16-17=-838/178, 17	7-18=-5	10/103,		6) 7	This truss h	as bee	en designed for	greater o	of min roof live
WEDGE	Left: 2x4 SI	P No.2				18-19=-338/122, 19	9-21=-3	64/118,		ŀ	oad of 12.0	psf or	r 2.00 times flat	roof load	of 10.0 psf on
	Right: 2x4 \$	SP No.2				21-22=-352/97, 22-	23=-36	1/106,		C	overhangs i	non-co	oncurrent with o	other live lo	oads.
BRACING	-					23-24=-456/137, 24	1-25=0/3	34		7) F	Provide ade	quate	drainage to pre	event wate	er ponding.
TOP CHORD	Structural v	wood shea	athing directly applied	dor ^{BC}	DT CHORD	2-34=-100/281, 33-	34=-99	/281,		8) A	All plates ar	e 2x4	MT20 unless o	therwise i	indicated.
	6-0-0 oc pu	urlins, exc	ept			32-33=-99/281, 31-	32=-99	/281,		9) (Sable stude	space	ed at 2-0-0 oc.		
	2-0-0 oc pu	urlins (6-0-	-0 max.): 10-16.			29-31=-84/302, 28-	29=-68	263,		10) 1	This truss h	as bee	en designed for	a 10.0 ps	sf bottom
BOT CHORD	Rigid ceilin	g directly	applied or 10-0-0 oc		21-28=-08/204, 20-	27=-08	204,			chord live lo	ad no	nconcurrent wit	th any oth	er live loads.	
	bracing.			۱۸/	EDC	24-20=-07/202	20- 21	5/95		11) *	This truss	has b	een designed fo	or a live lo	bad of 20.0pst
JOINTS	1 Brace at	Jt(s): 35,		vv	EB3	0.27_ 02/450 26.2	7_ 92/4	5/65,		0	on the botto	m cho	ord in all areas v	where a re	ectangle
	36, 37, 39,	40				35-37=-02/450, 50-5 35-3682/451 35-	3982	/451			s-06-00 tall	Dy 1-U	JU-UU WIDE WIII T	It betweel	n the bottom
REACTIONS	(lb/size) 2	2=373/29-	11-0, 24=429/29-11-	0,		39-40=-82/451, 17-	40=-82	/450, 13-35=-	4/1.	, c	noru anu a	ny ou	iei members, w		= 10.0psi.
	2	26=-113/2	9-11-0, 27=198/29-1	1-0,		12-36=-106/26. 11-	37=-38	/141. 7-38=-2	9/15.						
	2	28=-74/29	-11-0, 29=554/29-11	-0,		5-32=-148/19, 4-33	=-137/9	4, 3-34=-93/1	133,						
	3	31=557/29	9-11-0, 32=-77/29-11	-0,		14-39=-106/26, 15-	40=-37	/141,						um.	
	3	33=199/29	9-11-0, 34=-54/29-11	-0		19-41=-29/15, 21-2	8=-152	/25,					" C	AD.	11.
	Max Horiz 2	2=-221 (L(C 10)			22-27=-135/95, 23-	26=-86	/142, 5-38=-6	61/86,				"aTH U	740	1 de la
	Max Uplift 2	2=-129 (L(C 8), 24=-109 (LC 9)			31-38=-85/97, 29-4	1=-89/1	03, 21-41=-6	5/93			A	OTTES	Sin	All.
	2	26=-251 (I	LC 49), 27=-22 (LC 1	3), NO	DTES							22	1 AV	- Vi	. SIA
	4	20=-003 (I 3321 <i>(</i> I (LC 19), 32=-364 (LC C 12) 34194 (LC 4	$\frac{19}{7}$, 1)	Unbalanced	roof live loads have	e been o	considered fo	or		-		-		
	Max Gray	2-500 (LC	(12), 34 = 194 (104)	.,	this design.						-		· · · · ·	2000	
		2=300 (LC 26=82 (LC	(10, 27), $24 = 377$ ($10, 27$), $(10, 26)$	2)	Wind: ASCE	7-10; Vult=115mpl	h (3-seo	cond gust)					: SE	AL	: =
	-	28=-31 (I (C 36) 29=1137 (I C	46)	Vasd=91mp	h; TCDL=6.0psf; B0	CDL=6.0	0psf; h=30ft; (Cat.		- E		036	200	· · · ·
	3	31=1152 (LC 44). 32=-35 (LC 3	36).	II; Exp B; En	closed; MWFRS (e	nvelope	e) exterior zor	ne;		-		0.50	522	- E - B -
	3	33=401 (L	C 44), 34=95 (LC 10)	cantilever le	It and right exposed	i ; Lumt	per DOL=1.60	J				N		1 8
FORCES	(lb) - Maxin	num Com	pression/Maximum		plate grip DC	JL=1.6U		lana af tha to			S	1	A.E.	A	12 3
	Tension			3)	only For et	ide exposed to wind	n the p	ane of the tru	155			1.5	S. VGI	NEE	03
					con Standar	d Industry Cable Er	u (norm ad Deta	ile as applicat), blo			11	10	B	E N
					or consult or	a industry Gable El	ianer a	s ner ANSI/TE	PI1				11, A.	GILY	111
					e. concar qu	samou bunanig doo	u						11111	mm	

Continued on page 2

Scale = 1:82

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	AT1E	Attic Structural Gable	1	1	Job Reference (optional)	152514604

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 2, 109 lb uplift at joint 24, 564 lb uplift at joint 32, 21 lb uplift at joint 33, 194 lb uplift at joint 34, 563 lb uplift at joint 28, 22 lb uplift at joint 27 and 251 lb uplift at joint 26.
- 13) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:29 ID:OuQlSmnjvq?aB5i5Y_uiCTz8zZv-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	AT1G	Attic Girder	2	3	Job Reference (optional)	152514605

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:30 ID:Hq0uH?7Ua_pxhRat9iKNMxz9_du-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:76.5

Plate Offsets (X, Y): [6:0-1-13,0-2-0], [7:0-3-14,Edge], [8:0-7-8,0-5-4], [9:0-1-13,0-2-0], [15:0-6-0,0-2-8], [17:0-6-0,0-2-8]

Loading TCLL (roof)	((psf) 20.0	Spacing Plate Grip DOL	6-0-0 1.15		CSI TC	0.95	DEFL Vert(LL)	in -0.25	(loc) 15-17	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
Snow (Pf)	1	15.0	Lumber DOL	1.15		BC	0.59	Vert(CT)	-0.37	15-17	>969	180	MT20HS	187/143
TCDL	1	10.0	Rep Stress Incr	NO		WB	0.31	Horz(CT)	0.02	13	n/a	n/a		
BCLL		0.0*	Code	IRC201	5/TPI2014	Matrix-S		Attic	-0.21	15-17	>845	360		
BCDL	1	10.0											Weight: 888 lb	FT = 20%
LUMBER				1)	3-ply truss to	be connected toge	ether wi	th 10d		12) Ceil	ing dead	d load	(5.0 psf) on mem	ber(s). 5-6, 9-10,
TOP CHORD	2x6 SP No.2			,	(0.131"x3") n	ails as follows:				6-20), 18-20,	18-19), 9-19; Wall dea	d load (5.0psf) on
BOT CHORD	2x10 SP 2250)F 1.9E	or 2x10 SP DSS or		Top chords o	connected as follow	s: 2x6 ·	2 rows		mer	nber(s).	5-17, 1	0-15	
	2x10 SP SS				staggered at	0-9-0 oc.				13) Bot	om chor	d live	load (40.0 psf) ar	nd additional bottom
WEBS	2x4 SP No.2 *	*Except	t* 6-9:2x4 SP 1650F		Bottom chore	ds connected as fol	lows: 2	x10 - 2 rows		cho	rd dead	load (5.0 psf) applied o	nly to room. 15-17
	1.5E or 2x4 S	P No.1	or 2x4 SP SS		staggered at	0-9-0 oc.				14) This	s truss is	desig	ned in accordanc	e with the 2015
WEDGE	Left: 2x4 SP N	No.2			Web connect	ted as follows: 2x4	- 1 row	at 0-9-0 oc.		Inte	rnationa	I Resid	dential Code sect	ions R502.11.1 and
	Right: 2x4 SP	9 No.2		2)	All loads are	considered equally	applie	d to all plies,		R80)2.10.2 a	and ref	erenced standard	J ANSI/TPI 1.
BRACING					except if note	ed as front (F) or ba	ack (B)	face in the LC	DAD	15) Attio	c room c	hecke	d for L/360 deflec	ction.
TOP CHORD	2-0-0 oc purlir	ns (6-0-	-0 max.)		CASE(S) sec	ction. Ply to ply con	nection	s have been		LOAD (CASE(S)	Sta	ndard	
	(Switched from	m shee	ted: Spacing > 2-0-0)).	provided to d	listribute only loads	noted	as (F) or (B),						
BOT CHORD	Rigid ceiling c	directly	applied or 10-0-0 oc		unless other	wise indicated.			_					
	bracing.			3)	Unbalanced	root live loads have	e been (considered for	r					
JOINTS	1 Brace at Jt((s): 7,		4)	this design.	7 40. 1/114 445 mm	. (2							
	8, 18, 19, 20			4)	Wind: ASCE	7-10; Vuit=115mpi	1 (3-sec	cond gust)	D					
REACTIONS	(lb/size) 2=3	3674/0-	3-8, 13=3674/0-3-8		Vasu=91mpr	1; TCDL=6.0pSI; BC		psi; n=30ii; 0	Jal.					
	Max Horiz 2=-	-659 (LC	C 10)		cantilever left	t and right exposed	l · Lumb	r DOI = 1.60	ie,					
	Max Grav 2=5	5352 (L	C 3), 13=5352 (LC 3))	nlate grin DC	1 –1 60								
FORCES	(lb) - Maximur	m Com	pression/Maximum	5)	TCLL · ASCE	7-10 Pr=20.0 psf	(roof liv	e load: Lumb	er					
	Tension			0)	DOI =1 15 PI	late DOI =1 15). Pf:	=10.0 n	sf (flat roof sn	IOW.					
TOP CHORD	1-2=0/102.2-3	3=-689	0/0.3-5=-6472/0.		Lumber DOL	=1.15 Plate DOL=	1.15): C	ategory II: Ex	pB:					UTT
	5-6=-3996/0.	6-7=-24	417/419. 7-8=-2014/2	280.	Partially Exp.	.: Ct=1.10			,				W'LL CA	Dill
	8-9=-2419/41	7, 9-10	=-3994/0,	6)	Unbalanced	snow loads have b	een cor	sidered for th	nis			- 8	THUA	ROM
	10-12=-6471/	0, 12-1	3=-6889/0, 13-14=0/*	102 [′]	design.						/	S	ON JESS	in the
BOT CHORD	2-17=0/4467,	15-17=	=0/4374, 13-15=0/424	47 7)	This truss ha	s been designed fo	r great	er of min roof	live			12	100	N. S.
WEBS	5-17=0/3328,	10-15=	=0/3329, 6-20=-4130/	<i>'</i> 0, <i>'</i>	load of 12.0	psf or 2.00 times fla	at roof le	bad of 10.0 ps	sf on		Z	2/		nul
	18-20=-4112/	0, 18-1	9=-4107/0,		overhangs no	on-concurrent with	other liv	/e loads.			- 5	1		
	9-19=-4126/0	, 3-17=	-303/581,	8)	Provide adec	quate drainage to p	revent	water ponding	J.		=		SEA	
	12-15=-304/5	83, 7-1	8=-47/330, 8-19=0/23	36, 9)	All plates are	MT20 plates unles	s other	wise indicate	d.		= =		0202	
	8-18=-48/328	, 7-20=	0/228	10) This truss ha	s been designed fo	or a 10.0) psf bottom			1		0363	22 : 2
NOTES					chord live loa	ad nonconcurrent w	ith any	other live load	ds.		-	0		1 2
				11)* This truss h	has been designed	for a liv	e load of 20.0)psf			-	·	A 1. 3
					on the botton	n chord in all areas	where	a rectangle				11	1.SN0.	-chi X S

3-06-00 tall by 1-00-00 wide will fit between the bottom

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chord and any other members.



A. GILBL

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	AT2	Attic	7 1 Job Reference (ontional)		Job Reference (optional)	152514606

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:31 ID:TaLc?eUNzi2vlojbHxrtSmz9_c7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:75.3

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	((2 1 1 1	psf) 20.0 15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.87 0.54 0.31	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.26 -0.37 0.02 -0.21	(loc) 14-16 14-16 12 14-16	l/defl >999 >951 n/a >842	L/d 240 180 n/a 360	PLATES MT20 MT20HS Weight: 295 lb	GRIP 244/190 187/143 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE SLIDER BRACING TOP CHORD	2x6 SP No.2 2x10 SP 2250 2x10 SP SS 2x4 SP No.2 * 1.5E or 2x4 SP Right: 2x4 SP Left 2x6 SP N Structural woo 3-8-6 oc purlin	DF 1.9E *Except P No.1 ' No.2 lo.2 2 od shea ns, exce	or 2x10 SP DSS or * 5-8:2x4 SP 1650F or 2x4 SP SS -4-10 athing directly applied apt	2) 3) d or ⁴⁾	Wind: ASCE Vasd=91mph II; Exp B; End cantilever left plate grip DC TCLL: ASCE DOL=1.15 PI Lumber DOL Partially Exp. Unbalanced design.	7-10; Vult=115mph ;; TCDL=6.0psf; BC closed; MWFRS (et and right exposed IL=1.60 7-10; Pr=20.0 psf ate DOL=1.15); Pf= =1.15 Plate DOL=1 ; Ct=1.10 snow loads have be	n (3-sec CDL=6. nvelope ; Lumh (roof liv =10.0 p I.15); C een cor	ond gust) Dpsf; h=30ft; () exterior zor ber DOL=1.60 e load: Lumb sf (flat roof sn ategory II; Ex isidered for th	Cat. ne; o er now: p B; nis					
BOT CHORD	2-0-0 oc purlir Rigid ceiling d	ns (3-8- directly a	11 max.): 6-7. applied or 10-0-0 oc	5)	load of 12.0 psf or 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.									
JOINTS	1 Brace at Jt(18, 19	s): 17,		6) 7)	 i) Provide adequate drainage to prevent water ponding. ii) All plates are MT20 plates unless otherwise indicated. iii) This true has been designed for a f0 work between the plates. 									
REACTIONS	(Ib/size) 1=1 12= Max Horiz 1=- Max Grav 1=1	1166/ M =1220/0 ·216 (LC 1713 (L	lechanical,)-3-8 C 8) C 3), 12=1777 (LC 3)	9))	* This truss ha on the botton	ad nonconcurrent w as been designed n chord in all areas	ith any for a liv where fit bety	other live load e load of 20.0 a rectangle	ds.)psf					
FORCES	(lb) - Maximur Tension	m Comp	pression/Maximum	10	chord and an	y other members.	ombor		. 17					11111
TOP CHORD	1-3=-2234/0, 3 5-6=-799/141, 8-9=-1321/0, 9 12-13=0/34	3-4=-20 , 6-7=-6 9-11=-2	087/0, 4-5=-1327/0, 666/95, 7-8=-806/139 2144/0, 11-12=-2283/), /0, 11	(s).4-16, 9-14 Bottom chorc	, 8-19; Wall dead I 4 I live load (40.0 psf	oad (5.) and a	dditional botto	om		4	1 in	PTH CA	ROLL
BOT CHORD WEBS	1-16=0/1430, 5-17=-1384/0, 18-19=-1355/0 9-14=0/1106, 6-17=0/78, 6- 7-18=-18/105	14-16= , 17-18= 0, 8-19= 3-16=-7 18=-13/	0/1447, 12-14=0/14() =-1377/0, =-1361/0, 4-16=0/104 78/268, 11-14=-104/ ′115, 7-19=0/77,	08 12 13 45, 193, 14	 Refer to girde This truss is of International R802.10.2 ar Graphical pu or the orienta 	er(s) for truss to tru designed in accord Residential Code s ad referenced stand rlin representation of the purlin al	ance w ections dard AN does no ong the	ith the 2015 R502.11.1 a ISI/TPI 1. ot depict the s top and/or	nd iize		Thunner.		SEAI 03632	L 22
NOTES 1) Unbalance this design	ed roof live loads n.	s have I	been considered for	15 LC	bottom chord) Attic room ch)AD CASE(S)	l. ecked for L/360 de Standard	flectior							ILBERTUUT

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



June 13,2022

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	AT3	Attic	2	1	Job Reference (optional)	152514607

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:31 ID:OzXTk0bNvjZwLXvAXG6fzpz8zYr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads. Provide adequate drainage to prevent water ponding. 6)
 - All plates are MT20 plates unless otherwise indicated. 7)
 - This truss has been designed for a 10.0 psf bottom 8)
 - chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 9) on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom
 - chord and any other members. 10) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 16-17, 17-18, 7-18; Wall dead load (5.0psf) on member (s).3-15, 8-13
 - 11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
 - 12) This truss is designed in accordance with the 2015 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

14) Attic room checked for L/360 deflection

NOTES

WEBS

Scale = 1:81.2

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TOP CHORD

BOT CHORD

TCDL

BCLL

BCDL

WEBS

WEDGE

BRACING

TOP CHORD

BOT CHORD

REACTIONS (lb/size)

JOINTS

FORCES

TOP CHORD

BOT CHORD

bracing.

17, 18

Tension

11-12=0/34

1 Brace at Jt(s): 16,

Max Horiz 1=-216 (LC 10)

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

6-17=-16/110, 6-18=0/78

4-16=-1376/0, 16-17=-1369/0,

8-13=0/1110. 2-15=-103/197

Rigid ceiling directly applied or 10-0-0 oc

Max Grav 1=1715 (LC 3), 11=1786 (LC 3)

(lb) - Maximum Compression/Maximum

1-2=-2302/0, 2-3=-2164/0, 3-4=-1333/0,

4-5=-807/139, 5-6=-672/93, 6-7=-806/139,

7-8=-1334/0, 8-10=-2160/0, 10-11=-2300/0,

1-15=0/1501, 13-15=0/1460, 11-13=0/1418

17-18=-1372/0, 7-18=-1378/0, 3-15=0/1114,

10-13=-101/194, 5-16=0/78, 5-17=-16/109,

1=1169/0-3-8, 11=1226/0-3-8



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bottom chord.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	M1G	Monopitch Girder	1	2	Job Reference (optional)	152514608

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:32 ID:D5vflu6wYajT7l42lEj?3pz9_XS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f









Scale = 1:68

Plate Offsets	(X, Y): [1:0-8-0,0-0-3],	[1:0-0-15,1-0-6], [4:0	0-1-4,0-1-1	12], [9:0-6-4,0-3	3-0], [10:0-6-0,0-	-1-8]								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 10.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.24 0.91 0.74	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.10 0.02	(loc) 9-10 9-10 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 256 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) 2-ply trust (0.131*x3) Top chord staggered Bottom cf staggered Bottom cf Staggered Stagger	2x6 SP No.2 2x8 SP No.2 2x4 SP No.2 Left: 2x10 SP 2250F Structural wood shea 5-9-4 oc purlins, exx Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 1=5114/0- Max Grav 1=6374 (L (lb) - Maximum Com Tension 1-2=-6969/0, 2-4=-3: 5-6=-8/0, 5-8=-117/6 1-10=0/5477, 9-10=(0) 7-8=0/0 2-10=0/3774, 2-9=-3 4-8=-5226/0 st ob e connected toget ") nails as follows: Is connected as follows: Is to be connected toget at 0-9-0 oc, 2x4 - 1 row ords connected as follows: I at 0-9-0 oc, 2x4 - 1 row ords connected as follows: I at 0-9-0 oc, 2x4 - 1 row ords connected as follows: I at 0-7-0 oc. eected as follows: 2x4 - are considered equally in tod as front (F) or back section. Ply to ply connot to distribute only loads in the rewise indicated.	1.9E or DSS or SS athing directly applie sept end verticals. applied or 10-0-0 oc 5-8, 4-8 5-8, 8=5163/0-11-0 (2), 8=6449 (LC 3) pression/Maximum 712/0, 4-5=-112/54, 5/5477, 8-9=0/3038, 035/0, 4-9=0/6065, her with 10d : 2x6 - 2 rows <i>v</i> at 0-9-0 oc. sws: 2x8 - 4 rows 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LO. ections have been noted as (F) or (B),	3) d or 5) 6) 7) 8) 9) 10 LC 1) AD	Wind: ASCE Vasd=91mpf II; Exp B; Encantilever lef plate grip DOL TCLL: ASCE DOL=1.15 Pl Lumber DOL Partially Exp Unbalanced * This truss ha chord live loa * This truss is International R802.10.2 at Use Simpsor Truss, Single oc max. starf connect truss) Fill all nail ho DAD CASE(S) Dead + Snot Increase=1. Uniform Loa Vert: 1-55 Concentrato Vert: 9=- 14=-1354	7-10; Vult=115r ; TCDL=6.0psf; closed; MWFRS t and right exposed DL=1.60 7-10; Pr=20.0 p late DOL=1.15; =1.15 Plate DOL ; Ct=1.10 snow loads have s been designed ad nonconcurrent has been designed ad nonconcurrent been designed in acco Residential Cod out referenced st h Strong-Tie MU e Ply Girder) or et ing at 0-8-12 frost (les where hangut Standard bw (balanced): L 15 ads (lb/ft) =-40, 5-6=-40, 1 4 (B), 12=-1354 7 (B)	nph (3-sec BCDL=6.((envelope sed ; Lumb sef (roof liv Pf=10.0 p L=1.15); C e been cor d for a 10.0 t with any ed for a 1	cond gust) Dpsf; h=30ft; e) exterior zor- per DOL=1.6(e load: Lumb sf (flat roof sr ategory II; E) asidered for th D psf bottom other live loa e load of 20.1 a rectangle veen the bott DL = 10.0psi th the 2015 is R502.11.1 a d Girder, 8-11 spaced at 2-(end to 12-8-1 n chord. ttact with lum rease=1.15, I B=-1354 (B), 354 (B),	Cat. ne; 0 her now: xp B; his ads. 0psf om f. and 0d 0-0 12 to laber. Plate				SEA OSEA OSEA OSEA OSEA OSEA OSEA OSEA O	ROLL L 22 L BER	

June 13,2022



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB1	Piggyback	18	1	Job Reference (optional)	152514609

TCDL

BCLL

BCDL

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:32 ID:009kDQDwCCfK7m1CDG2NCHz8zZK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB1E	Piggyback	2	1	Job Reference (optional)	152514610

Loading

Snow (Pf)

LUMBER

OTHERS

FORCES

TCDL

BCLL

BCDL

Run: 8 53 S. Apr 27 2022 Print: 8 530 S. Apr 27 2022 MiTek Industries. Inc. Mon. Jun 13 14:27:33 ID:HCj7RmEYzWnBlwcPnzZclUz8zZJ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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G

818 Soundside Road Edenton, NC 27932

minin

June 13,2022



overhands non-concurrent with other live loads.

Gable studs spaced at 2-0-0 oc.

All plates are 2x4 MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing.

7)

8)

9)

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Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB2	Piggyback	7	1	Job Reference (optional)	152514611

TCDL

BCLL

BCDL

WEBS

2)

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:33 ID:HCj7RmEYzWnBlwcPnzZclUz8zZJ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB2A	Piggyback	10	1	Job Reference (optional)	152514612

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:34 ID:SEk1pQVwBoTcESErtYRbjfz9_5q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:38.4 Plate Offsets (X, Y): [1:0-3-8,Edge]

				-										
Loading		(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		20.0	Plate Grip DOL	1.15		тс	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)		10.0	Lumber DOL	1.15		BC	0.09	Vert(CT)	n/a	-	n/a	999		
TCDL		10.0	Rep Stress Incr	YES		WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCLL		0.0*	Code	IRC20	15/TPI2014	Matrix-S		()		-				
BCDL		10.0	oode	11(020	13/11/2014	Matrix 0							Weight: 56 lb	FT = 20%
	-			-									0	
LUMBER				:	B) Truss desig	ned for wind loads	s in the p	ane of the tr	uss					
TOP CHORD	2x4 SP 16	650F 1.5E	or 2x4 SP No.1 or 2x4	4	only. For stu	uds exposed to wi	nd (norm	al to the face	e),					
	SP SS				see Standar	d Industry Gable I	End Deta	ils as applica	ible,					
BOT CHORD	2x4 SP 16	650F 1.5E	or 2x4 SP No.1 or 2x4	4	or consuit qualified building designer as per ANS/TPL1.									
	SPSS			4		= 7-10; PI=20.0 ps	51 (1001 IIV	e load: Lumit						
OTHERS	2x4 SP N	0.2			Lumber DOL	-1.15 Plate DOL=1.15), F	-1 15)· C	ategory II: E	now. vn B·					
WEDGE	Left: 2x4 ;	5P N0.2			Partially Exp	$C_{t=1.10} + 1000 = 0000$	=1.10), 0		λр В,					
BRACING	<u>.</u>			. (i) Unbalanced	snow loads have	been cor	sidered for t	his					
TOP CHORD	Structura	I wood shea	athing directly applied	or	design.									
	Bigid coll	Juliilis. ina directly	applied or 10.0.0 as	(6) This truss ha	as been designed	for greate	er of min root	f live					
BOTCHORD	bracing	ing unecity	applied of 10-0-0 oc		load of 12.0	psf or 2.00 times	flat roof lo	bad of 10.0 p	sf on					
REACTIONS	(lb/size)	1-58/12-7	7-11 5-86/12-7-11		overhangs n	ion-concurrent wit	h other liv	/e loads.						
READING	(10/3120)	7=228/12-	-7-11 8=201/12-7-11	-	 Gable studs 	spaced at 4-0-0 o)C.							
		9=221/12-	-7-11	, 8	This truss has a second se	as been designed	for a 10.0) psf bottom						
	Max Horiz	1=-92 (LC	: 8)		chord live lo	ad nonconcurrent	with any	other live loa	ads.					
	Max Uplift	1=-15 (LC	8), 7=-87 (LC 13), 9=	=-93) " I NIS TRUSS I	nas been designe	d for a liv	e load of 20.	upsr					
		(LC 12)	-// - (// -		3-06-00 tall	m chora in all area	ill fit boty	a reclangle	om					
	Max Grav	1=97 (LC	27), 5=120 (LC 2), 7=	=317	chord and a	ny other members		veen the bott	om					
		(LC 27), 8	=259 (LC 2), 9=313 (LC .	0) Provide med	chanical connectio	n (bv oth	ers) of truss	to					
		26)			bearing plate	e capable of withs	tanding 1	5 lb uplift at	joint				MILLIN	1111
FORCES	(lb) - Max	imum Com	pression/Maximum		1, 93 lb uplif	t at joint 9 and 87	lb uplift a	t joint 7.					WHY CA	Pall
	Tension				1) Non Standar	rd bearing condition	on. Revie	w required.				1	atrio	10/11
TOP CHORD	1-2=-100/	74, 2-3=-1	20/84, 3-4=-116/67,		2) This truss is	designed in accor	rdance w	ith the 2015				E.	O' EESS	A. N'I
	4-5=-85/3	89, 5-6=0/13	3		International	Residential Code	esections	R502.11.1 a	and			71	10	No SIA
BOICHORD	1-9=-23/6	94, 8-9=-23/	/64, 7-8=-23/64,		R802.10.2 a	nd referenced sta	ndard AN	ISI/TPL1.					:0	
WERS	3-7=-23/0	14 10 2 0 - 24	2/12/ /7_ 2///120		3) See Standar	rd Industry Piggyb	ack Irus	s Connection	1				CEA	n <u>1</u> E -
WEBS	3-8=-170/	0, 2-9=-24.	2/134, 4-7=-244/129		Detail for Connection to base truss as applicable, or SEAL							L : E		
NOIES		aada haya	heen ennidered for									22 : =		
 Unbalance this docid 	ea rooi live i n	oads have	been considered for		OAD CASE(S)	Standard					-			
2) Wind AS	n. CE 7-10: Vu	lt-115mph	(3-second quist)										1. Sec. 1. Sec	- 1 - S -
Vasd=91r	mph TCDI =	6 0nsf ⁻ BC	DI = 6 0 psf h = 30 ft C	at								10	NO.	FRIAN
II; Exp B;	Enclosed; N	IWFRS (en	velope) exterior zone									1	A GIN	E. P. A.
cantilever	left and righ	nt exposed	; Lumber DOL=1.60									1	A CA	IL BEIN
plate grip	DOL=1.60												11111.0	
														12 2022
													June	: 13,2022



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB2AE	Piggyback	1	1	Job Reference (optional)	152514613

Scale = 1:36.6

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:34 ID:IOHVe5FBkpv2N4BbKh4rliz8zZI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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															_
Loading		(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)		20.0	Plate Grip DOL	1.15		TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf)		10.0	Lumber DOL	1.15		BC	0.04	Vert(CT)	n/a	-	n/a	999			
TCDL		10.0	Rep Stress Incr	YES		WB	0.03	Horz(CT)	0.00	7	n/a	n/a			
BCLL		0.0*	Code	IRC2015	5/TPI2014	Matrix-S									
BCDL		10.0											Weight: 65 lb	FT = 20%	
LUMBER				2)	Wind: ASCE	7-10; Vult=115mp	h (3-seo	cond gust)		LOAD	CASE(S)	Sta	ndard		
TOP CHORD	2x4 SP 1	650F 1.5E	or 2x4 SP No.1 or 2x	(4	Vasd=91mph	; TCDL=6.0psf; B	CDL=6.	Opsf; h=30ft; (Cat.		. ,				
	SP SS				II; Exp B; Enclosed; MWFRS (envelope) exterior zone;										
BOT CHORD	2x4 SP 1	650F 1.5E	or 2x4 SP No.1 or 2x	(4	cantilever ler	t and right exposed	a ; Luma	ber DOL=1.60)						
	SPISS			2)	plate grip DC	L=1.00									
OTHERS	2x4 SP N	lo.2		3)	nuss design	de expered to win	in the p	ane of the tru	JSS \						
WEDGE	Left: 2x4	SP No.2			see Standard	lus exposed to will	nd Dota), hla						
BRACING					or consult au	alified building des	inner a	s ner ANSI/TI	Die, ⊃I1						
TOP CHORD	Structura	I wood she	athing directly applie	d or 4)	TCLL · ASCE	7-10. Pr=20.0 nsf	(roof liv	e load: Lumb	er						
	6-0-0 oc	purlins.		•,	DOL=1.15 PI	ate DOL=1.15): Pf	(1001 III	sf (flat roof sr	now:						
BOT CHORD	Rigid ceil bracing.	ling directly	applied or 10-0-0 oc		Lumber DOL Partially Exp	=1.15 Plate DOL=	1.15); C	ategory II; Ex	φB;						
REACTIONS	(lb/size)	1=66/12-7	′-11, 7=91/12-7-11,	5)		snow loads have h	een cor	sidered for th	nis						
		9=160/12-	7-11, 10=111/12-7-1	11, °,	design.										
		11=102/12	2-7-11, 12=115/12-7-	^{-11,} 6)	This truss ha	s been designed f	or areat	er of min roof	live						
		13=149/12	2-7-11	- /	load of 12.0	osf or 2.00 times fl	at roof le	ad of 10.0 p	sf on						
	Max Horiz	1=-92 (LC	8)		overhangs no	on-concurrent with	other liv	/e loads.							
	Max Uplift	1=-7 (LC 8	8), 9=-56 (LC 13), 10)=-39 7)	All plates are	2x4 MT20 unless	otherwi	se indicated.							
		(LC 13), 1	2=-40 (LC 12), 13=-6	61 8)	Gable studs	spaced at 2-0-0 oc									
		(LC 12)		9)	This truss ha	s been designed f	or a 10.0) psf bottom							
	Max Grav	1=100 (LC	C 27), 7=126 (LC 2),	7)	chord live loa	ad nonconcurrent v	vith any	other live loa	ds.				MILLIN	UIII.	
		9=220 (LC	27), 10=153 (LC 27	(), 10) * This truss h	as been designed	for a liv	e load of 20.0	Opsf				IN'LY CA	ROUL	
		11=139 (L	.C 29), 12=159 (LC 2	20),	on the botton	n chord in all areas	s where	a rectangle				1	all	10/11/	
FORCES		13=200 (L	.0 20)		3-06-00 tall b	y 1-00-00 wide wi	ll fit betv	veen the botto	om			A.	O'EESS	in Alex	
FURGES	(ID) - Max	kimum Com	pression/maximum		chord and an	y other members.						11	1P	No. SIA	
	1 2_ 99/5	74 2 2 70	157 2 A- 67/02	11) Provide mecl	hanical connection	(by oth	ers) of truss t	0		-			AND.	
TOP CHORD	1-2=-00/1	74, 2-3=-79/	'37, 3-4=-07/03, /26 6 7_ 76/46 7 9_	-0/12	bearing plate	capable of withsta	anding 7	'lb uplift at jo	int		-		0.54		
	4-3=-37/7	/60 12-13-	-20/60 11-12-20/6	=0/13 0	1,40 lb uplift	at joint 12, 61 lb u	plift at jo	5int 13, 39 lb					SEA	L : =	
BOT CHORD	10-112	9/69 9-10-	-29/69, 11-12-29/69	J, 10	Upilit at joint	10 and 56 ib uplift	at joint :	1.			- 8		0363	22 E	
WEBS	4-11=-97	/0 3-12=-1	24/63 2-13=-152/86	12	This trues is	designed in accord		ith the 2015					. 0000	i E	
	5-10=-12	1/62 6-9=-	158/82	, 15	International	Residential Code	soctions	R502 11 1 a	nd					1 3	
NOTES	0.00.12				R802 10 2 ar	nd referenced stan	dard AN	ISI/TPI 1	ina			1	N. E.	Ricks	
1) Unbalance	od roof live	loode hove	been considered for	14) See Standar	d Industry Pigavha		s Connection				25	GIN	EF. AN	
this design	n	iodus nave		17	Detail for Co	nection to base tr	uss as a	applicable or				11	10	BEN	
uns desigi					consult qualit	fied building design	ner.						11, A. G	ILUIN	
													(IIIIII)	ann,	
													June	13 2022	



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB2E	Piggyback	1	1	Job Reference (optional)	152514614

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818 Soundside Road Edenton, NC 27932



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB3	Piggyback	22	1	Job Reference (optional)	152514615

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:35 ID:IOHVe5FBkpv2N4BbKh4rliz8zZI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale =	1:36.1
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Plate Offsets (X, Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

						_								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 10.0 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	5/TPI2014	CSI TC BC WB Matrix-P	0.38 0.19 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 39 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.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (lb/size) 2=163/8- 6=221/8- Max Horiz 2=-90 (LC Max Grav 2=229 (LC (LC 2) (lb) Maximum Con	eathing directly appli y applied or 10-0-0 o 8-3, 4=163/8-8-3, 8-3 C 10) C 13), 4=-34 (LC 13) C 2), 4=-29 (LC 2), y	5) 6) ed or 7) 8) bc 9) 10 6=277 11	Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable studs This truss ha chord live loa bottor 3-06-00 tall the chord and ar Provide mec bearing plate 2 and 34 lb u	snow loads have as been designed psf or 2.00 times on-concurrent wit es continuous boi spaced at 4-0-0 c as been designed ad nonconcurrent has been designe m chord in all area by 1-00-00 wide w hanical connectic e capable of withs uplift at joint 4.	been cor for great flat roof k h other liv tom chor oc. for a 10.0 for a 10.0 for a 10.0 d for a liv as where with any d for a liv as where iill fit betw s. n (by oth tanding 3	isidered for the er of min roof pad of 10.0 pe ve loads. d bearing. 0 psf bottom other live loa e load of 20.0 a rectangle veen the botto ers) of truss t 0 lb uplift at j	his filve sf on ds. Dpsf om to						
TOP CHORD BOT CHORD WEBS NOTES 1) Unbalanc this desig	(ii) - Maximum Cor Tension 1-2=0/12, 2-3=-147 4-5=0/12 2-6=-24/72, 4-6=-24 3-6=-168/24 ted roof live loads have n.	/69, 3-4=-138/54, 4/72 9 been considered fo	12 13 or LC	 This truss is International R802.10.2 a See Standar Detail for Co consult quali DAD CASE(S) 	designed in acco Residential Code nd referenced sta d Industry Piggyb nnection to base fied building desig Standard	rdance w e sections ndard AN ack Truss truss as a gner.	ith the 2015 R502.11.1 a ISI/TPI 1. S Connection applicable, or	ind				TH CA	ROLIN	

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10

SEAL 036322 June 13,2022



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB3A	Piggyback	2	3	Job Reference (optional)	152514616

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Scale = 1:36.1

Loading (psf) 3 TCLL (roof) 20.0 1 Snow (Pf) 10.0 1 TCDL 10.0 1 BCLL 0.0* 0 BCDL 10.0 1	Spacing 6-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2) 2015/TPI2014	CSI TC 0 BC 0 WB 0 Matrix-P	16 Vert(LL) 09 Vert(CT) 02 Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 171 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2x6 SP No.2 BOT CHORD 2x6 SP No.2 OTHERS 2x4 SP No.2 BRACING TOP CHORD TOP CHORD 2-0-0 oc purlins (6-0-0	max.)	 4) Wind: ASCE Vasd=91mph II; Exp B; End cantilever left plate grip DO 5) Truss design 	7-10; Vult=115mph (3 n; TCDL=6.0psf; BCDI closed; MWFRS (envet and right exposed ; L DL=1.60 ned for wind loads in t	-second gust) .=6.0psf; h=30 lope) exterior umber DOL=1 ne plane of the	it; Cat. zone; .60 truss					
(Switched from sheete BOT CHORD Rigid ceiling directly ap bracing.	ed: Spacing > 2-0-0). pplied or 10-0-0 oc	only. For stu see Standard or consult qu	ids exposed to wind (r I Industry Gable End I alified building design	ormal to the fa Details as appli er as per ANSI	ce), cable, /TPI 1.					
REACTIONS (lb/size) 2=508/8-2-8 6=570/8-2-8 Max Horiz 2=-264 (LC Max Uplift 2=-89 (LC 1 2=-89 (LC 1 Max Grav Max Grav 2=715 (LC 2 (LC 7)	3, 4=508/8-2-8, 3 10) 3), 4=-104 (LC 13) 2), 4=715 (LC 2), 6=747	 b) FOLL AGE 710, FIE200 ps (robinive robin. Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 ps (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 7) Unbalanced snow loads have been considered for this design. 0) This term has been designed to expect to a finite of the term. 								
FORCES (Ib) - Maximum Compr Tension	ression/Maximum	load of 12.0 p	osf or 2.00 times flat re	oof load of 10.0	psf on					
TOP CHORD 1-2=0/48, 2-3=-464/19 4-5=0/48	8, 3-4=-450/163,	 Gable require Gable studes 	es continuous bottom spaced at 4-0-0 oc.	chord bearing.						
BOT CHORD 2-6=-60/238, 4-6=-60/2 WEBS 3-6=-393/54	238	11) This truss has chord live loa	s been designed for a ad nonconcurrent with	10.0 psf botto any other live	n oads.					
NOTES 1) 3-ply truss to be connected together Top chords connected with 10d (0. follows: 2x6 - 2 rows staggered at (Bottom chords connected with 10d follows: 2x6 - 2 rows staggered at (er as follows: .131"x3") nails as 0-9-0 oc. I (0.131"x3") nails as 0-9-0 oc.	 12) * This truss h on the bottom 3-06-00 tall b chord and an 13) Provide mech bearing plate 2 and 104 b 	as been designed for n chord in all areas why y 1-00-00 wide will fit y other members. hanical connection (by capable of withstand uplift at joint 4	a live load of 2 ere a rectangle between the be others) of trus ng 89 lb uplift a	0.0psf e ottom s to at joint		4	ALL A	ORTH CA	ROIN

 All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

- Unbalanced roof live loads have been considered for this design.
- 14) This truss is designed in accordance with the 2015

 ave been
 14) This truss is designed in accordance with the 2015

 (F) or (B),
 14) This truss is designed in accordance with the 2015

 (F) or (B),
 15) See Standard Industry Piggyback Truss Connection

 15) See Standard Industry Piggyback Truss Connection
 15) Detail for Connection to base truss as applicable, or consult qualified building designer.

 LOAD CASE(S)
 Standard





Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB3B	Piggyback	1	2	Job Reference (optional)	152514617

4-4-1

4-4-1

Builders FirstSource (Albermarle), Albernarle, NC - 28001,

Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

FORCES

WEBS

NOTES

2)

TCDL

BCLL

BCDL

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8-8-3

4-4-1

Page: 1

4x6 = 3 12 12 ⊏ 4-10-11 4-9-5 2 -2-3 6 2x4 = 2x4 = 2x4 u 0-2-13 8-8-3 H 8-5-6 0-2-13 Scale = 1:38.8 Plate Offsets (X, Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0] 6-0-0 CSI DEFL l/defl L/d PLATES GRIP (psf) Spacing in (loc) 20.0 Plate Grip DOL 1.15 TC 0.65 Vert(LL) 999 MT20 244/190 n/a n/a 10.0 Lumber DOL 1.15 BC 0.31 Vert(CT) n/a n/a 999 10.0 Rep Stress Incr WB 0.04 Horz(CT) 4 NO 0.00 n/a n/a 0.0 IRC2015/TPI2014 Matrix-P Code 10.0 Weight: 79 lb FT = 20% 4) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. 2x4 SP No 2 TOP CHORD II; Exp B; Enclosed; MWFRS (envelope) exterior zone; BOT CHORD 2x4 SP No 2 cantilever left and right exposed ; Lumber DOL=1.60 2x4 SP No.2 plate grip DOL=1.60 5) Truss designed for wind loads in the plane of the truss TOP CHORD 2-0-0 oc purlins (6-0-0 max.) only. For studs exposed to wind (normal to the face), (Switched from sheeted: Spacing > 2-0-0). see Standard Industry Gable End Details as applicable BOT CHORD Rigid ceiling directly applied or 10-0-0 oc or consult qualified building designer as per ANSI/TPI 1. bracing. TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber 6) REACTIONS (lb/size) 2=490/8-2-8, 4=490/8-2-8, DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: 6=662/8-2-8 Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Max Horiz 2=-271 (LC 10) Partially Exp.; Ct=1.10 Max Uplift 2=-91 (LC 13), 4=-102 (LC 13) 7) Unbalanced snow loads have been considered for this 2=686 (LC 2), 4=686 (LC 2), 6=831 Max Grav desian. (LC 2) 8) This truss has been designed for greater of min roof live (lb) - Maximum Compression/Maximum load of 12.0 psf or 2.00 times flat roof load of 10.0 psf on Tension overhands non-concurrent with other live loads. TOP CHORD 1-2=0/36, 2-3=-442/206, 3-4=-415/163, 9) Gable studs spaced at 4-0-0 oc. 4-5=0/36 10) This truss has been designed for a 10.0 psf bottom BOT CHORD 2-6=-71/215. 4-6=-71/215 chord live load nonconcurrent with any other live loads. 3-6=-505/71 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom 1) 2-ply truss to be connected together as follows: chord and any other members. Top chords connected with 10d (0.131"x3") nails as 12) Provide mechanical connection (by others) of truss to follows: 2x4 - 1 row at 0-9-0 oc. bearing plate capable of withstanding 91 lb uplift at joint Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc. 2 and 102 lb uplift at joint 4. 13) Non Standard bearing condition. Review required. SEAL All loads are considered equally applied to all plies, 14) This truss is designed in accordance with the 2015

- except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 3) Unbalanced roof live loads have been considered for
- this design.
- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 15) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	PB3E	Piggyback	1	1	Job Reference (optional)	152514618

4-4-1

4-4-1

-0-6-5

0-6-5

Builders FirstSource (Albermarle), Albemarle, NC - 28001,

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8-8-3

4-4-1

9-2-8

)-6-5



4 12 12 Г

4x6 =



Scale = 1:36.1

Plate Offsets (X, Y): [2:0-2-6.0-1-0]. [6:0-2-6.0-1-0]

	(,,,,,). [2.0 2	0,0 1 0],	[0:0 2 0,0 1 0]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 10.0 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	15/TPI2014	CSI TC BC WB Matrix-P	0.07 0.04 0.02	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 46 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No. 2x4 SP No. 2x4 SP No. Structural v 6-0-0 oc pu Rigid ceilin bracing. (Ib/size) 2 (Ib/size) 2 Max Horiz 2 Max Uplift 2 1 Max Grav 2 8	2 2 2 wood shea irlins. g directly 2=80/8-8- =158/8-8 10=158/8-8 10=158/8-8 10=158/8-8 2=90 (LC 2=-5 (LC 8 10=-102 (2=-17 (LC 2=-17 (LC	athing directly applied applied or 10-0-0 oc 3, 6=80/8-8-3, 3-3, 9=71/8-8-3, -8-3 11) 8), 8=-102 (LC 13), LC 12) 2 27), 6=111 (LC 2), 2 27), 9=109 (LC 29), .C 26)	dor (TCLL: ASCE DOL=1.15 P Lumber DOL Partially Exp Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable studs This truss ha chord live loa This truss ha chord live loa This truss ha chord live loa This truss a chord live loa This truss ha chord and ar Provide mec 	7-10; Pr=20.0 psf iate DOL=1.15); P =1.15 Plate DOL= ;; Ct=1.10 snow loads have to show l	(roof livi f=10.0 p 1.15); C been color or great at roof l other li other li om cholor c or a 10. with any l for a livi s where ll fit betw h (by oth	e load: Lumb sf (flat roof sr ategory II; E) nsidered for tl er of min roof bad of 10.0 p: ve loads. d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the bottor ers) of truss t	ver now: kp B; his f live sf on ds. Opsf om					
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalanc this desig 2) Wind: AS Vasd=91r II; Exp B; cantilever	(lb) - Maxim Tension 1-2=0/12, 2 4-5=-76/56 2-10=-34/8; 6-8=-34/82 4-9=-75/0, ; ed roof live loa n. CE 7-10; Vult= mph; TCDL=6. Enclosed; MV left and right	num Com -3=-90/78 , 5-6=-79, 2, 9-10=-3 3-10=-179 ads have =115mph .0psf; BC VFRS (en exposed	pression/Maximum 8, 3-4=-81/69, /61, 6-7=0/12 34/82, 8-9=-34/82, 9/133, 5-8=-178/133 been considered for (3-second gust) DL=6.0psf; h=30ft; Ca yvelope) exterior zone ; Lumber DOL=1.60	, at. 2;	 2, 102 lb upli 2) This truss is International R802.10.2 at 3) See Standar Detail for Co consult quali OAD CASE(S) 	f at joint 10 and 1 designed in accorr Residential Code nd referenced star d Industry Piggyba nnection to base to fied building desig Standard	02 lb up dance w sections idard At ack Trus russ as ner.	iff at joint 8. ith the 2015 STO2.11.1 a ISI/TPI 1. S Connection applicable, or	and		Contraction of the second s	ALL	SEA 0363	L 22

plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

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



GIL

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	SP1	Roof Special Supported Gable	1	1	Job Reference (optional)	152514619

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:36

16-4-0

4-0-0



Scale = 1:55.5													
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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	12	n/a	n/a			
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S									
BCDL	10.0										Weight: 110 lb	FT = 20%	

12-4-0

12-4-0

LUMBER		
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
WEBS	2x4 SP No 2	
OTHERS	2x4 SP No 2	
BRACINC		
	Chrysterral uses of the othing directly emplie	
TOP CHORD	Structural wood sheatning directly applie	aor
	6-0-0 00 putilits, except end verticals.	
BOT CHORD	Rigid celling directly applied or 10-0-0 of	2
	bracing.	
WEBS	1 Row at midpt 11-12	
REACTIONS	(lb/size) 2=127/16-3-8, 12=45/16-3-8,	
	13=126/16-3-8, 14=144/16-3-	8,
	16=92/16-3-8, 17=118/16-3-8	,
	18=121/16-3-8, 19=117/16-3-	8,
	20=129/16-3-8	
	Max Horiz 2=257 (LC 12)	
	Max Uplift 12=-16 (LC 12), 13=-46 (LC 1	2),
	14=-93 (LC 12), 17=-23 (LC 1	2),
	18=-23 (LC 12), 19=-23 (LC 1	2),
	20=-41 (LC 12)	
	Max Grav 2=180 (LC 2), 12=83 (LC 26),	
	13=243 (LC 26), 14=202 (LC 2	26),
	16=154 (LC 28), 17=172 (LC 3	3),
	18=162 (LC 2), 19=157 (LC 2)),
	20=168 (LC 2)	
FORCES	(lb) - Maximum Compression/Maximum	
	Tension	
TOP CHORD	1-2=0/17, 2-3=-228/10, 3-4=-187/4,	
	4-5=-160/10, 5-6=-132/21, 6-7=-105/33,	
	7-8=-116/39, 8-9=-111/55, 9-10=-81/48,	
	10-11=-41/21, 11-12=-47/24	
BOT CHORD	2-20=-33/17, 19-20=-33/17, 18-19=-33/1	7,
	17-18=-33/17, 16-17=-33/17, 14-16=-33/	/17,
	13-14=0/1, 12-13=0/1	
WEBS	10-13=-131/72, 9-14=-119/43, 7-16=-83/	/0,
	6-17=-117/47, 5-18=-121/48, 4-19=-118/	/46,
	3-20=-124/69, 7-14=-42/80	

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- 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, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this 4) design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads. All plates are 2x4 MT20 unless otherwise indicated. 6)
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom
 - chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 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 16 lb uplift at joint 12, 46 lb uplift at joint 13, 93 lb uplift at joint 14, 23 lb uplift at joint 17, 23 lb uplift at joint 18, 23 lb uplift at joint 19 and 41 lb uplift at joint 20.
- 11) Non Standard bearing condition. Review required.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and
- R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard



Page: 1

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	SP2	Roof Special Supported Gable	1	1	Job Reference (optional)	152514620

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:36 ID:DbqtsRGpV71v_EmnuOb4qvz8zZH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

June 13,2022

SINEEDING

818 Soundside Road Edenton, NC 27932



Scale = 1:64.7

Plate Offsets	(Х,	Y):	[3:0-4-8,0-2-8]
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Loading TCLL (roof) Snow (Pf) TCDL BCLL		(psf) 20.0 10.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	5/TPI2014	CSI TC BC WB Matrix-S	0.05 0.02 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190	
BCDL		10.0											Weight: 123 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP N 2x10 SP 2 2x10 SP 3 2x4 SP N 2x4 SP N Right: 2x4 Structural 6-0-0 oc p Rigid ceili bracing. 1 Row at (lb/size) Max Horiz Max Uplift	0.2 2250F 1.9E SS 0.2 0.3 4 SP No.2 1 wood sheat burlins, exc ing directly midpt 6=117/10- 9=120/10- 11=124/10 12=-333 (6=-42 (LC 9=-71 (LC 9=202 (LC 9=202 (LC 11=241 (L	athing directly applied cept end verticals. applied or 10-0-0 oc 1-12, 2-11 -0-0, 8=113/10-0-0, -0-0, 10=121/10-0-0, -0-0, 12=46/10-0-0 LC 13) 11), 8=-159 (LC 13). C 13), 10=-76 (LC 13). C 13), 12=-31 (LC 13). C 13), 12=-31 (LC 28). C 28), 10=237 (LC 28). C 28), 12=89 (LC 28).	1) 2) d or 3) 4) 5) () 7) 8) () 8)	Wind: ASCE Vasd=91mph II; Exp B; Enc cantilever left plate grip DC Truss design only. For stu see Standard or consult qu TCLL: ASCE DOL=1.15 Pl Lumber DOL Partially Exp. Unbalanced 3 design. This truss ha load of 12.0 p overhangs no Gable studs 3 This truss ha chord live loa * This truss ha on the bottom 3-06-00 tall b	7-10; Vult=115mph ; TCDL=6.0psf; BC closed; MWFRS (et and right exposed bL=1.60 need for wind loads i ds exposed to wind lindustry Gable En alified building desi 7-10; Pr=20.0 psf ate DOL=1.15); Pf= =1.15 Plate DOL=1 ; Ct=1.10 snow loads have be s been designed fo osf or 2.00 times fla pn-concurrent with spaced at 2-0-0 oc. s been designed fo d nonconcurrent with as been designed fo as been designed fo d nonconcurrent with as been designed for a h chord in all areas y 1-00-00 wide will	n (3-secc DL=6.6 Nvelope ; Lumk n the pip d (norm d Deta gner a: (roof liv =10.0 p 15); C een cor r greatk t roof liv other lin r a 10.0; for a liv where fit betw	ond gust) Dpsf; h=30ft; exterior zoner DOL=1.60 ane of the tru al to the face ils as applica s per ANSI/TI e load: Lumb sf (flat roof si ategory II; E) asidered for the er of min roof bad of 10.0 p re loads. D psf bottom other live loas a rectangle yeen the bottom	Cat. ne;) uss), ble, Pl 1. er now: cp B; live sf on ds. Opsf om				TH CA	Roling	
FORCES TOP CHORD	(lb) - Max Tension 1-12=-53/	imum Com (39, 1-2=-5)	chord and an Provide mech bearing plate	y other members, when the second seco	with BC (by oth nding 3	DL = 10.0ps ers) of truss t 1 lb uplift at j	f. to oint uplift		4	i de	O FESE	The second	-		
BOT CHORD	4-5=-502/ 11-12=-11	18/332, 10-	-11=-118/332, -11=-118/332,	20	at joint 10, 71	l lb uplift at joint 9 a	and 159	bint 11, 70 lb b uplift at jo	oint				SEA		
WEBS NOTES	9-10=-117 2-11=-134 5-8=-146/	//331, 8-9= 4/97, 3-10= /166	-117/331, 6-8=-116/3 -135/98, 4-9=-132/10	530 50, 10 11 12 LC	o.) Non Standard) This truss is o International R802.10.2 ar) Attic room ch DAD CASE(S)	d bearing condition designed in accord Residential Code s ad referenced stand ecked for L/360 de Standard	. Revie ance w ections lard AN flection	ew required. ith the 2015 R502.11.1 a ISI/TPI 1.	and		11111			ER.K.	
													111111 G	innin	

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T1	Piggyback Base	2	1	Job Reference (optional)	152514621

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:37 ID:IxKMnjfWjGBDSIn7Kqhqgtz8zYm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

54-2-8 1-3-0 <u>44-7-3</u> 6-2-7 11-4-4 16-2-4 20-8-2 28-8-6 36-6-14 52-11-8 6-2-7 5-1-13 4-9-15 4-5-14 8-0-4 7-10-8 8-0-4 8-4-5 6x8 🍫 2x4 II 4x8 =6x8= 6 29 7 30 8 31 9 32 10 8.25¹² 11-7-14 6-4-14 5 6x8 🍫 33 5x6、 28 ¹¹34₁₂ 11-11-8 27 5¹² 26 5-10-14 3 5-3-0 5-3-0 0-6-3 13 ĕ 25 24 23 35 19 36 187 37 15 38 39 16 14 2220 3x4 II 7x10= 4x8= 2x4 **I** 2x4 II 0-0-8 | 0-0-8 6-2-7 11-2-8 16-2-4 20-9-14 28-8-6 36-6-14 44-5-7 52-11-8 6-1-15 5-0-1 4-11-11 4-7-10 7-10-8 7-10-8 7-10-8 8-6-1

Scale = 1:96.5

Plate Offsets ((X, Y): [6:0	-2-8,0-2-0],	[10:0-4-0,0-2-12], [1	1:0-2-12	0-2-0], [18:0-2-	0,0-4-8]									
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 15.0 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	15/TPI2014	CSI TC BC WB Matrix-S	1.00 0.41 0.61	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.13 0.03	(loc) 16-18 16-18 13	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 465 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP N 2x6 SP N 2x4 SP N Structura 5-10-12 c 2-0-0 oc Rigid ceil bracing, 6-0-0 oc	lo.2 lo.2 lo.2 oc purlins, purlins (5-9 ling directly Except: bracing: 19	athing directly applied except end verticals, -13 max.): 6-10. applied or 10-0-0 oc -21.	N 1 d or 2 and 3	IOTES) 2x6 SP No.2 front face wi o.c. 12 Total No.3.) Unbalanced this design.) Wind: ASCE Vasd=91mpl II; Exp B; En cantilever let plate grip D0	bearing block 12' th 3 rows of 10d (fasteners. Bearing roof live loads hav 7-10; Vult=115mp h; TCDL=6.0psf; E closed; MWFRS (it and right expose 0 = 1 60	' long at 0.131"x3 g is assu ve been bh (3-sec 3CDL=6. envelope ed ; Luml	jt. 21 attache ") nails space med to be SI considered for cond gust) 0psf; h=30ft; a) exterior zoi per DOL=1.60	d to ed 3" PF or Cat. ne; 0	LOAD (CASE(S)	Stai	ndard		
WEBS	1 Row at (Ib/size) Max Horiz Max Uplift Max Grav	midpt 2=462/0-3 21=1806// (req. 0-3-9 2=238 (LC 2=-12 (LC (LC 12) 2=620 (LC 21=2279)	6-19, 7-18, 9-18, 9-1 10-14, 5-21 3-0, 13=1234/0-3-8, (0-3-8 + bearing block 9) C 12) 5 8), 13=-2 (LC 8), 21: C 54), 13=1603 (LC 5 (LC 3)	4, 4 k), 5 =-43 6 57), 7	 a) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 b) Unbalanced snow loads have been considered for this design. c) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads. 										
FORCES TOP CHORD	(lb) - Max Tension 1-2=0/22 4-5=-79/2 7-9=-117	ximum Com , 2-3=-922/3 288, 5-6=-7 9/112, 9-10 213/84 11-	(-2 - 2) pression/Maximum 3, 3-4=-353/40, 01/79, 6-7=-1180/112)=-909/97, 12=0/47, 11-13=-147	7 8 9 2, 1) Provide ade) All plates are) This truss ha chord live los (0) * This truss I on the botton 	quate drainage to a 4x6 MT20 unless as been designed ad nonconcurrent nas been designed m chord in all area	prevent s otherwi for a 10. with any d for a liv s where	water ponding se indicated. 0 psf bottom other live loa re load of 20.0 a rectangle	g. Ids. Opsf		4	I.I.I.	OR CEESS	ROIN	
BOT CHORD	2-25=-12 21-24=-5 18-19=-6 14-16=-6 3-25=0/2 6-19=-90 7-18=-51 9-14=-73	6/786, 24-2 9/257, 19-2 8/573, 16-1 4/1314, 13- 45, 3-24=-6 1/79, 6-18= 4/155, 9-18 6/126, 10-1	-12-047, 11-13=147 -12-207/55, 8=-64/1314, -14=-8/30 03/94, 4-24=0/381, -91/1105, =-267/25, 9-16=0/44 4=-13/296,	1 1 1, 1	 3-06-00 tall I chord and ar Provide mec bearing plate 2) This truss is International R802.10.2 a 3) Graphical put 	by 1-00-00 wide w ny other members, hanical connection e capable of withst at joint 13 and 43 designed in accor Residential Code nd referenced star rifin representation	III fit betw , with BC n (by oth anding 1 lb uplift a dance w sections ndard AN	veen the both CDL = 10.0psi ers) of truss t 2 lb uplift at j it joint 21. ith the 2015 \$ R502.11.1 a ISI/TPI 1.	om f. to joint and size		THE DESIGNATION OF THE DESIGNATI	A THE REAL PROPERTY IN THE REAL PROPERTY INTERNAL PROPERTY INTERNA		ER.K	
	11-14=0/ 5-19=-5/1	1059, 4-21: 1254	=-570/79, 5-21=-1770	0/60,	or the orient	ation of the purlin a	along the	e top and/or	5120				A. G	ILL III	

June 13,2022

Page: 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

bottom chord.

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T1A	Piggyback Base	1	1	Job Reference (optional)	152514622

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MITek Industries, Inc. Mon Jun 13 14:27:37 ID:hKS6CPhmFtRxhcxWREkIIIz8zYk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

54-2-8 1-3-0 44-7-3 6-2-7 16-2-4 20-8-2 28-8-6 36-6-14 52-11-8 11-4-4 5-1-13 6-2-7 7-10-8 8-4-5 4-9-15 4-5-14 8-0-4 8-0-4 4x8= 6x8 🍫 4x6= 6x8= 6 42 <u>7</u> 43 <u>8</u> 44 <u>9</u> 10 11 452 13 8.25 8.25 4 ħ 14 4x6 11-7-14 15 6-4-14 5 496 5x6 6x8 🍫 12 51 33 4 ⁶ 17 47₁₈ 11-11-8 40 4x6 🚅 39 5-10-14 3 5-3-0 5-3-0 316 0-6-3 36 19 T. 20 49 32 31 30 26 25 24 23 51 22 21 48 50 29287 4x6 =3x4 II 4x6= 4x6= 4x6= 7x10= 4x6= 4x8= 4x6= 0-0-8 52-11-8 6-2-7 11-2-8 16-2-4 20-9-14 28-8-6 36-6-14 44-5-7 50-11-8 2-0-0 6-1-15 5-0-1 4-11-11 4-7-10 7-10-8 7-10-8 7-10-8 6-6-1 0-0-8

Scale = 1:96.5

late Offsets (X, Y): [6:0-2-12,0-2-0], [13:0-4-0,0-2-12], [17:0-2-8,0-2-8], [25:0-5-0,0-4-8]															
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 15.0 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	15/TPI2014	CSI TC BC WB Matrix-S	0.54 0.43 0.52	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.13 0.03	(loc) 22-24 24-25 20	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 522 It	GRIP 244/190	%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x6 SP No 2x6 SP No 2x4 SP No 2x4 SP No Structural 6-0-0 oc p Rigid ceili bracing.	0.2 0.2 0.2 0.2 wood shea ourlins, exo ourlins (5-1) ng directly	athing directly applie cept end verticals, ar 0-10 max.): 6-13. applied or 6-0-0 oc	ed or nd	WEBS	3-32=0/245, 3-31= 6-26=-880/82, 6-25 7-25=-520/155, 9-2 9-33=-762/103, 33 34-35=-774/103, 2 13-22=0/268, 22-3 36-37=-22/994, 37 17-38=-27/1006, 4 5-26=-5/1231, 5-25 11-34=-29/7, 12-35 15-37=-150/71, 21	-603/94 5=-91/10 25=-236 -34=-75 2-35=-7 5=-29/10 -38=-23 -28=-57 3=-1741 5=-6/7, 1 -37=-14	4-31=0/382, 70, 72, 9-24=0/45 3/98, 76/107, 1025, 1/002, 1/79, 68, 10-33=-6/ 4-36=-11/62, 7/72, 200	56, /19,	 9) All p 10) Gab 11) This cho 12) * Th on t 3-06 cho 13) Prov bea 14) Prov 	blates an ole studs s truss ha rd live lo nis truss he botto 5-00 tall rd and a vide med ring plate	e 2x4 space as bee ad noi has be m cho by 1-0 ny oth chanic e at jo chanic	MT20 unless ot ad at 2-0-0 oc. en designed for nconcurrent with een designed fo rd in all areas w 0-00 wide will fi er members, wi al connection (b int(s) 2. al connection (b	herwise ind a 10.0 psf b n any other r a live load here a rect t between t th BCDL = by others) o ay others) o	licated. bottom live loads. I of 20.0psf angle he bottom 10.0psf. f truss to f truss to
WEBS	1 Row at	midpt	6-26, 7-25, 9-25, 5-2	28,	NOTES	16-38=-292/77, 20	-38=-30	9/86		bea 2, 3	ring plat 5 lb uplif	e capa t at joi	able of withstand int 19, 43 lb upli	ding 12 lb u ft at joint 28	plift at joint 3 and 108 lb
JOINTS	1 Brace a 34, 35, 36	t Jt(s): 33, 5, 37, 38	12-33		 2x6 SP No.2 front face with o.c. 12 Tota 	2 bearing block 12" ith 3 rows of 10d (0 Il fasteners. Bearing	long at).131"x3) is assu	it. 28 attached ") nails space med to be SP	d to d 3" PF	uplit 15) This Inte	ft at joint truss is rnationa	20. desig I Resig	ned in accordar dential Code se	nce with the ctions R502	2015 2.11.1 and
REACTIONS	 (Ib/size) 2=462/0-3-0, 19=889/2-3-8, 20=367/0-3-8, 28=1783/0-3-8 Max Horiz 2=238 (LC 12) Max Grav 2=621 (LC 54), 19=1164 (LC 57), 20=-108 (LC 13), 28=-43 (LC 12) Max Grav 2=621 (LC 54), 19=1164 (LC 57), 20=-520 (LC 42), 28=2250 (LC 42) Max Grav 2=621 (LC 64), 19=1164 (LC 57), 20=521 (LC 64), 19=1164 (LC 65), 20=521 (LC 64), 19=1164 (LC 65), 20=521 (LC 64), 19=1164 (LC 65), 20=521 (LC 64), 20							 Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. CAD CASE(S) Standard 							
FORCES	(lb) - Maxi Tension	imum Com	pression/Maximum	- ,	 Fruss designed only. For st 	oL=1.60 gned for wind loads uds exposed to win	in the p d (norm	lane of the tru al to the face)	SS ,			A	ORIFES	To all	N.
BOT CHORD	1-2=0/22, 4-5=-79/2 7-9=-1159 11-12=-84 13-14=-98 15-16=-10 17-18=0/4 2-32=-126	2-3=-925/4 87, 5-6=-69 9/113, 9-10 40/99, 12-1 30/98, 14-1 066/55, 16- 17, 17-19=- 5/789, 31-3	4, 3-4=-356/40, 94/79, 6-7=-1158/11 =-840/99, 10-11=-84 3=-843/99, 5=-1058/83, 17=-1002/47, 1184/26 2=-126/789,	2, 40/99, y	see Standar or consult q 5) TCLL: ASCI DOL=1.15 F Lumber DOI Partially Exp 5) Unbalanced design.	hdard Industry Gable End Details as applicable, JIt qualified building designer as per ANSI/TPI 1. ISCE 7-10; Pr=20.0 psf (roof live load: Lumber 15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: DOL=1.15 Plate DOL=1.15); Category II; Exp B; 'Exp.; Ct=1.10 nced snow loads have been considered for this							SE/ 0363	AL 322	
	28-31=-61 24-26=-80 21-22=-5/	1/258, 26-2 0/1281, 22- 0, 20-21=-{	8=-207/56, 24=-80/1281, 5/0, 19-20=-5/0	-	 7) This truss had load of 12.0 overhangs r 8) Provide ade 	as been designed f psf or 2.00 times fl non-concurrent with equate drainage to p	or great at roof le other li prevent	er of min roof oad of 10.0 ps ve loads. water ponding	live of on I.			and a	A. (GILBE	ITT IN

June 13,2022

Page: 1



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T2	Piggyback Base	4	1	Job Reference (optional)	152514623

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:38 ID:WTpNSTmXrjC4PXPfoVri_Zz8zYe-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

818 Soundside Road Edenton, NC 27932



Scale = 1:	96.5
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Plate Offsets (X, Y): [6:0-2-8,0-2-0],	[10:0-4-0,0-2-12], [11:	:0-2-12,0	-2-0], [20:0-5-8	3,0-4-0], [23:0-4-4,	0-4-8]								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.62 0.43 0.56	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.14 0.03	(loc) 14-16 16-18 13	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 458 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD 1 Row at midp WEBS REACTIONS	2x6 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.2 Structural wood she 5-8-3 oc purlins, ex 2-0-0 oc purlins (5-6 Rigid ceiling directly bracing. Except: tt 5-20 1 Row at midpt (lb/size) 2=469/0-3 21=1795// Max Horiz 2=238 (LC Max Uplift 2=-11 (LC (LC 12) Max Grav 2=631 (LC 21=2245 (ot* 21-5:2x4 SP No.2 athing directly applied cept end verticals, and 3-9 max.): 6-10. • applied or 3-10-14 oc 6-19, 7-18, 9-18, 9-14 3-0, 13=1237/0-3-8, 0-3-8 C 12) 2 8), 13=11 (LC 8), 21= C 54), 13=1526 (LC 55 (LC 3)	1) 2) or 3) -41 5) .), 6)	2x6 SP No.2 front face wit o.c. 12 Total No.3. Unbalanced this design. Wind: ASCE Vasd=91mph II; Exp B; En- cantilever lef plate grip DC TCLL: ASCE DOL=1.15 PI Lumber DOL Partially Exp. Unbalanced design. This truss ha load of 12.0 j overhangs no	bearing block 12" h 3 rows of 10d (0 fasteners. Bearing roof live loads have 7-10; Vult=115mp 1; TCDL=6.0psf; Bi closed; MWFRS (et and right exposed JL=1.60 7-10; Pr=20.0 psf ate DOL=1.15); Pf =1.15 Plate DOL= ; Ct=1.10 snow loads have b s been designed fo posf or 2.00 times fit on-concurrent with	long at).131"x3 i is assu e been i h (3-sec CDL=6. envelope d; Lumb (roof liv =10.0 p 1.15); C been cor or great at roof liv other li other li	it. 21 attached ") nails space med to be SF considered fo cond gust) Dpsf; h=30ft; () exterior zor ber DOL=1.60 e load: Lumb sf (flat roof sr ategory II; Ex insidered for th er of min roof bead of 10.0 pi ve loads.	d to ed 3" PF Cat. ne; o wer now: cp B; his live sf on	LOAD	CASE(S)	Sta	ndard		
FORCES	(lb) - Maximum Com Tension 1-2=0/22, 2-3=-978/ 4-5=-75/294, 5-6=-7: 7-9=-1275/113, 9-10 10-11=-1298/83, 11-	npression/Maximum 1, 3-4=-407/35, 58/72, 6-7=-1276/112,)=-980/96, -12=0/47, 11-13=-1453	7) 8) 9) 8/43	Provide adec This truss ha chord live loa * This truss h on the botton 3-06-00 tall b	uate drainage to p s been designed fo ad nonconcurrent v las been designed n chord in all areas ov 1-00-00 wide wil	orevent or a 10.0 vith any for a liv s where Il fit betw	water ponding o psf bottom other live loa e load of 20.0 a rectangle yeen the botto	g. .ds. Opsf om			ALL ALL	OR FESS	ROLIN	
BOT CHORD	2-24=-136/842, 21-2 20-21=-2198/67, 5-2 19-20=-216/61, 18-1 16-18=-66/1424, 14- 13-14=-11/41 3-24=0/227, 3-23=-6 20-23=-52/315, 4-20 6-19=-854/84, 6-18=	24=-136/842, 20=-1781/55, 19=-65/616, -16=-66/1424, 502/99, 4-23=0/357, 0=-563/72, 5-19=-8/126 -95/1120,	10 11	chord and an) Provide mecl bearing plate) Provide mecl bearing plate 2, 41 lb uplift) This truss is International	y other members, hanical connection at joint(s) 2. hanical connection capable of withsta at joint 21 and 1 lt designed in accord Residential Code	with BC (by oth anding 1 o uplift a dance w sections	DL = 10.0psf ers) of truss t ers) of truss t 1 lb uplift at j it joint 13. ith the 2015 s R502.11.1 a	io oo oint		Contraction of the second seco		SEA 03632	22 ER K	
NOTES	7-18=-513/155, 9-18 9-14=-759/127, 10-1	3=-271/25, 9-16=0/439 14=0/340, 11-14=0/107	, 77 13	R802.10.2 ar Graphical pu or the orienta bottom chord	nd referenced stan rlin representation ation of the purlin a I.	dard AN does no long the	ISI/TPI 1. ot depict the s e top and/or	size				A. G. June	13,2022	

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T2E	Common Supported Gable	1	1	Job Reference (optional)	152514624

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:39 ID:hnOF3nHRGR9mcOLzS57JN7z8zZG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



Scale = 1:61.4

Plate Offsets (X, Y): [12:Edge,0-1-8]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 10.0 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	15/TPI2014	CSI TC BC WB Matrix-R	0.33 0.18 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: 147 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP 16 SP SS 2x4 SP 16 SP SS 2x4 SP No 2x4 SP No Structural 6-0-0 oc p Rigid ceili bracing. 1 Row at I (lb/size) Max Horiz Max Uplift	550F 1.5E c 550F 1.5E c 5.2 5.2 wood sheat ourlins, exc ng directly midpt 12=118/15 14=122/15 16=115/15 18=122/15 20=-149 (L 12=-208 (L 12=-208 (L 12=-218 (L 14=217 (L 16=296 (L 18=218 (L 18=218 (L 18=218 (L) 18=218 (L) 18=2	or 2x4 SP No.1 or 2 or 2x4 SP No.1 or 2 or 2x4 SP No.1 or 2 athing directly applie expt end verticals. applied or 6-0-0 oc 6-16, 5-17, 7-15 5-11-0, 15=124/15-1 5-11-0, 15=124/15-1 5-11-0, 17=124/15-1 5-11-0, 17=124/15-1 5-11-0 C 19, 13=-217 (LC C 12), 15=-52 (LC 1 C 12), 15=-52 (LC 1 C 12), 15=-52 (LC 1 C 26), 13=-380 (LC C 26), 15=243 (LC C 29), 17=243 (LC C 27), 19=381 (LC C 27)	x4 x	 WEBS 6 WOTES I) Unbalanced i this design. 2) Wind: ASCE Vasd=91mph II; Exp B; Enc cantilever lefi plate grip DC 3) Truss desigr only. For stu see Standarc or consult qu 4) TCLL: ASCE DOL=1.15 PI Lumber DOL Partially Exp. 5) Unbalanced design. 6) This truss ha load of 12.0 p overhangs no 7) All plates are 8) Gable require 9) Truss to be fi braced again 	S-16=-221/0, 5-17: J-9=-186/143, 7- J-13=-185/143 roof live loads hav 7-10; Vult=115m; ; TCDL=6.0psf; E closed; MWFRS (i and right exposed to and right exposed to wind loads ds exposed to win l ndustry Gable E alified building de 7-10; Pr=20.0 ps ate DOL=1.15; P =1.15 Plate DOL ; Ct=1.10 snow loads have l s been designed 1 bs for 2.00 times f on-concurrent witt 2x4 MT20 unless as continuous bott y lateral movement	=-137/72 15=-137/ re been of oh (3-sec CDL=6.0 envelope d ; Lumk in the pi d (norm ind Deta signer as f (roof liv f=10.0 p e1.15); C been cor ior greate lat roof liv s other liv s other liv s other wi con chor n one fac on t (i.e. d	:, 4-18=-125/7 72, 8-14=-12 considered fo ond gust) ppsf; h=30ft; (e) exterior zor eer DOL=1.60 ane of the tru al to the face), is as applicat s per ANSI/TF e load: Lumb sf (flat roof sr ategory II; Ex usidered for th er of min roof sad of 10.0 ps re loads. se indicated. d bearing. e or securely iagonal web)	72, 5/72, r Cat. ne;) sss), ble, er tow: cp B; his live sf on	 13) Probe bea join lb u join 13. 14) This Inte R8C LOAD C 	vide me ring plat t 20, 200 plift at jot t 15, 50 s truss is rnationa 22.10.2 t CASE(S	chanicic e capap lib Up Upil lib upili l Resici a desigg I Resici not refr) Star	al connection (by able of withstandi lift at joint 12, 52 218 lb uplift at jc t at joint 14 and 2 ned in accordance dential Code sect erenced standard ndard	others) of truss 1g 209 lb uplift at b uplift at joint 1 int 19, 52 lb uplift 17 lb uplift at joint e with the 2015 ions R502.11.1 I ANSI/TPI 1.	s to at 17, 50 lift at bint 5 and
FORCES TOP CHORD BOT CHORD	(lb) - Maxi Tension 2-20=-213 3-4=-52/13 6-7=-42/2 9-10=-142 19-20=-74 16-17=-74	imum Com 3/136, 1-2= 33, 4-5=-57 10, 7-8=-56 2/159, 10-1 4/74, 18-19: 1/74, 15-16:	0/54, 2-3=-143/159, 7/182, 5-6=-42/210, 5/182, 8-9=-52/132, 1=0/54, 10-12=-212 =-74/74, 17-18=-74 -74/74, 14-15=-74	, 2/135 /74, /74	 10) Gable studs s 11) This truss ha chord live loa 12) * This truss h on the botton 3-06-00 tall b chord and an 	spaced at 2-0-0 o s been designed to d nonconcurrent as been designed n chord in all area y 1-00-00 wide w y other members	c. for a 10.0 with any I for a liv s where ill fit betw with BC) psf bottom other live loa e load of 20.0 a rectangle veen the botto DL = 10.0psf	ds.)psf om			K. K.		EER.	WILLING THE
	13-14=-74	4, 13-16 1/74, 12-13	=-74/74, 14-15=-74, =-74/74	//4,									Thunn	inni	

June 13,2022



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T2G	Common Girder	1	3	Job Reference (optional)	152514625

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:39 ID:Ssx7t8nnMKSoerY2vwtA4_z8zYc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

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Scale = 1:67

Plate Offsets	(X,	Y):	[5:0-5-0,0-4-	12]	
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Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.45	DEFL Vert(LL)	in -0.10	(loc) 5-6	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190	
Snow (Pf)	10.0	Lumber DOL	1.15		BC	0.63	Vert(CT)	-0.20	5-6	>960	180	MT20HS	187/143	
	10.0	Codo			WD Matrix S	0.31	HOIZ(CT)	0.00	4	n/a	n/a			
BCDI	10.0	Code	1602015/	1712014	Watrix-S							Weight [.] 408 lb	FT = 20%	
												troigita too io	2070	
BCDL BCDL LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) 3-ply truss (0.131"x3" Top chord staggered Bottom ch staggered Bottom ch	10.0 10.0 10.0 10.0 2x6 SP No.2 2x6 SP 2400F 2.0E i SP M 31 2x4 SP No.2 Structural wood shea 6-0-0 oc purlins, exi Rigid ceiling directly bracing. (Ib/size) 4=4263/0 Max Horiz 6=126 (LC Max Grav 4=5033 (L (Ib) - Maximum Com Tension 1-2=-3469/0, 2-3=-3: 3:-4=-3460/0 5-6=-94/268, 4-5=0/2 to be connected togef) nails as follows: s connected as follows at 0-9-0 oc, 2x4 - 1 ro ords connected as follows: 2x4 - 500	coue or 2x6 SP DSS or 2x athing directly applie cept end verticals. applied or 10-0-0 oc 3-8, 6=4177/0-3-8 29) C 25), 6=4933 (LC 2 pression/Maximum 469/0, 1-6=-3460/0, 176 690, 2-5=0/3855 ther with 10d :: 2x6 - 2 rows w at 0-9-0 oc. ows: 2x6 - 2 rows 1 row at 0-9-0 oc	4) 6 5) d or 6) 7) 8) 9) 10) 11) 12) LO2	Wind: ASCE Vasd=91mph II; Exp B; Enc cantilever left plate grip DO TCLL: ASCE DOL=1.15 PI Lumber DOL Partially Exp. Unbalanced si design. All plates are This truss ha chord live loa * This truss ha on the bottom 3-06-00 tall b chord and an This truss is of International R802.10.2 ar Use Simpsor Truss) or equ 2-0-12 from t to back face of Fill all nail ho AD CASE(S)	7-10; Vult=115mpf ; TCDL=6.0psf; BC closed; MWFRS (er and right exposed L=1.60 7-10; Pr=20.0 psf ate DOL=1.15); Pf= 1.15 Plate DOL=1 ; Ct=1.10 snow loads have be MT20 plates unless is been designed for d nonconcurrent w as been d nonconcurrent w as bee	n (3-sec CDL=6.0 nvelope ; Lumb (roof liv =10.0 p I.15); C een cor ss other or a 10.0 ith any for a liv where fit betw ance wi sections dard AN 6 (6-100 2-0-0 oc -12 to co s in con	ond gust) opsf; h=30ft;) exterior zo er DOL=1.6 e load: Luml sf (flat roof s ategory II; E sidered for 1 wise indicate 0 psf bottom other live load e load of 20. a rectangle reen the bott th the 2015 R502.11.1 is SI/TPI 1. d Girder, 4-1 max. startin max. startin connect truss tact with lum	Cat. ine; 0 ber inow: xp B; ed. ads. 0psf tom and 0d ig at (es) nber. Plate		4	A	Weight: 408 lb	FT = 20%	
 All loads a except if n CASE(S) : provided t unless oth Unbalance this design 	ore considered equally oted as front (F) or bac section. Ply to ply conr o distribute only loads erwise indicated. ed roof live loads have h.	applied to all plies, ck (B) face in the LO. lections have been noted as (F) or (B), been considered for	AD	Increase=1. Uniform Loa Vert: 1-2= Concentrate Vert: 5=-' 11=-1072 (B)	15 15 15 15 15 15 15 15 15 15	:-20 (B), 10= , 13=-1(-1072 (В),)72 (В), 14=	-1072		THUNNY'S		SEA 0363	ER. K. I.I.	WHITE THE



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	ТЗ	Piggyback Base	7	1	Job Reference (optional)	152514626

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:40 ID:pqk0wsrwBt45lcR0iTTLn1z8zYX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:96.5

Plate Offsets	Plate Offsets (X, Y): [6:0-2-8,0-2-0], [10:0-3-4,0-2-0], [11:0-2-12,0-2-0], [16:0-6-4,0-4-4], [20:0-5-8,0-4-0], [21:0-5-7, Edge], [22:0-4-4,0-4-8]													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 15.0 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	5/TPI2014	CSI TC BC WB Matrix-S	0.60 0.50 0.41	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.19 0.04	(loc) 16-18 16-18 13	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 469 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD 1 Row at mid WEBS REACTIONS FORCES TOP CHORD	2x6 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.2 Structural wood she 5-10-10 oc purlins, 2-0-0 oc purlins (5-3 Rigid ceiling directly bracing. Except: pt 5-20, 9-16 1 Row at midpt (lb/size) 2=457/0- 21=1811/ Max Horiz 2=238 (LC Max Uplift 2=-7 (LC Max Grav 2=619 (LC 21=2240 (lb) - Maximum Com Tension 1-2=0/22, 2-3=-917	ot* 21-5,9-15:2x4 SP eathing directly applie except end verticals, 3-8 max.): 6-10. r applied or 3-10-15 c 6-19, 7-18, 9-18, 10 11-13 3-0, 13=1232/0-3-8, 0-3-8 C 12) 8), 21=-43 (LC 12) C 54), 13=1524 (LC 5 (LC 2) npression/Maximum 0, 3-4=-369/27,	1) No.2 2, ed or , and 3, bc 5, -14, 4, 5, 57), 7, 8,	 Unbalanced this design. Wind: ASCE Vasd=91mpH II; Exp B; En cantilever lef plate grip DC TCLL: ASCE DOL=1.15 P Lumber DOL Partially Exp Unbalanced design. This truss ha load of 12.0 overhangs n Provide aded This truss ha chord live loa * This truss ha chord live loa * This truss ha chord live loa 	roof live loads hav 7-10; Vult=115mp n; TCDL=6.0psf; E closed; MWFRS (t and right expose 0L=1.60 7-10; Pr=20.0 ps late DOL=1.15); P =1.15 Plate DOL= .; Ct=1.10 snow loads have bs for 2.00 times f pon-concurrent with quate drainage to s been designed ad nonconcurrent times ad nonconcurrent times a	ve been of bh (3-sec SCDL=6.1 cenvelope d; Lumb f (roof liv f=10.0 p =1.15); C been cor for great lat roof liv for a great lat roof liv o other liv prevent v for a 10.4 with any d for a liv s where ill fit betw, with BC	considered fc considered fc cond gust) Dpsf; h=30ft; e) exterior zoiver DOL=1.6(e load: Lumb sf (flat roof si ategory II; E) asidered for the er of min roof sad of 10.0 p water ponding b psf bottom other live loa e load of 20.0 a rectangle veen the botti DL = 10.0psi	Cat. ne; 0 per now: xp B; his f live sf on g. dds. 0psf om f.				WH CA	ROM	
BOT CHORD WEBS NOTES	4-5=-76/330, 5-6=-7 7-9=-1286/114, 9-1(10-11=-1160/83, 11 2-23=-127/781, 21-2 20-21=-2192/69, 5-2 19-20=-226/70, 18-1 16-18=-50/1299, 15 14-15=-77/24, 13-14 3-23=0/233, 3-22=-5 20-22=-51/279, 4-20 5-19=-15/1268, 6-18 6-18=-99/1099, 7-18 14-16=0/890, 10-16 10-14=-563/89, 11-1	25/04, 6-7=-1267/11 0=-1287/123, -12=0/47, 11-13=-14, 23=-127/781, 20=-1785/63, 19=-59/595, -16=0/63, 9-16=-476, 4=-7/31 586/96, 4-22=0/363, 0=-559/71, 0=-855/96, 3=-617/188, 9-18=-91 =-133/974, 14=0/979	4, 9, 45/42 /191, 1 [,] /191, 1 [,] L 1/26,	 Provide mec bearing plate and 43 lb up This truss is International R802.10.2 at Graphical pu or the orient bottom chore OAD CASE(S) 	hanical connection e capable of withst lift at joint 21. designed in accor Residential Code nd referenced star rlin representatior ation of the purlin a I. Standard	n (by oth anding 7 dance w sections ndard AN n does no along the	ers) of truss t Ib uplift at jo ith the 2015 i R502.11.1 a ISI/TPI 1. ot depict the s top and/or	to pint 2 and size		M. Contraction of the Contractio		SEA 0363		Manunning .

AMITEK Affiliate B18 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	Т4	Piggyback Base	4	1	Job Reference (optional)	152514627

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:41 ID:e_5IBvwhnjqETXu93kZI0Iz8zYR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1	:93.4
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30ale = 1.93.4														
Plate Offsets	(X, Y): [6:0-3	-0,0-2-0],	[8:0-3-4,0-2-8], [11:0	-5-8,Edge], [14:0-4-8,0-3	3-0]								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.57 0.57 0.49	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.13 0.04	(loc) 14-15 14-15 11	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 421 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No. 2x6 SP No. 2x4 SP No. Right: 2x4 S Structural v 4-9-14 oc p 2-0-0 oc pu Rigid ceilin bracing, E 6-0-0 oc br 1 Row at m	2 2 2 SP No.2 spr No.2 urlins, ex urlins, ex	athing directly applied ccept -0 max.): 6-8. applied or 10-0-0 oc -18. 5-18, 6-17, 7-15, 8-1 10-14 -0, 11=1102/0-3-8,	1) 2) d or 3) 4) 5, 5)	Unbalanced this design. Wind: ASCE Vasd=91mpf II; Exp B; Enicantilever lef plate grip DC TCLL: ASCE DOL=1.15 PI Lumber DOL Partially Exp. Unbalanced design. This truss ha load of 12.0 µ overhangs ni	roof live loads have 7-10; Vult=115mph n; TCDL=6.0psf; BC closed; MWFRS (er t and right exposed 0L=1.60 7-10; Pr=20.0 psf (ate DOL=1.15); Pf= =1.15 Plate DOL=1 ; Ct=1.10 snow loads have be s been designed fo osf or 2.00 times fla on-concurrent with (been of DL=6.1 Nvelope ; Lumb (roof liv =10.0 p .15); C een cor r great t roof lo t cor liv	considered fo cond gust) Dpsf; h=30ft; (e) exterior zor ver DOL=1.6C e load: Lumb sf (flat roof sr ategory II; Ex asidered for th er of min roof pad of 10.0 ps re loads.	r Cat. he;) er how: p B; p B; his live sf on					
	Max Horiz 2 Max Uplift 2 Max Grav 2	18=1731// 2=238 (LC 2=-26 (LC 18=-33 (L 2=613 (LC 18=2192 (0-3-8 C 11) E 8), 11=-48 (LC 13), C 12) C 54), 11=1464 (LC 2 (LC 3)	6) 7) 8) 7), 9)	 overhangs non-concurrent with other live loads. 6) Provide adequate drainage to prevent water ponding. 7) All plates are 4x6 MT20 unless otherwise indicated. 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 9) * This truss has been designed for a live load of 20.0psf 							900		
FORCES	(lb) - Maxin Tension 1-2=0/21, 2 4-5=-41/30 7-8=-1011/ 10-11=-205	num Com 2-3=-936/3 5, 5-6=-63 114, 8-10 53/61, 11-	pression/Maximum 38, 3-4=-342/75, 21/129, 6-7=-1011/11 I=-1459/114, ·12=0/21	10) 14, 11)	3-06-00 tall b chord and an Provide mech bearing plate 2, 33 lb uplift This truss is	y 1-00-00 wide will y other members, w hanical connection capable of withstar at joint 18 and 48 I designed in accorda	fit betw with BC (by oth nding 2 b uplift ance w	veen the botto DL = 10.0psf ers) of truss t 6 lb uplift at jo at joint 11. ith the 2015	om o oint		4	AN AN	OR THESS	ROUN
BOT CHORD	2-21=-82/8 18-20=-81/2 15-17=-50/2	03, 20-21 269, 17-1 558, 13-1	=-82/803, 8=-258/157, 5=0/1564, 11-13=0/1	564 12	International R802.10.2 ar Graphical pu	Residential Code s nd referenced stand rlin representation of	ections lard AN does no	R502.11.1 a ISI/TPI 1. ot depict the s	nd ize		THI1		SEAI 03632	22
WEBS	3-21=0/240 4-18=-568/ 6-17=-878/ 8-15=-386/ 10-14=-707), 3-20=-6 84, 5-18= 29, 6-15= 53, 8-14= 7/176, 10-	:16/98, 4-20=0/380, :-1686/25, 5-17=0/12/ :-47/999, 7-15=-639/1 :-15/671, :13=0/356	^{02,} ^{I61,} LO	or the orienta bottom chord AD CASE(S)	ation of the purlin al I. Standard	ong the	top and/or					A. G	E.P. KINN
													(ALLININ)	1111,

NOTES

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Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T4A	Piggyback Base	2	1	Job Reference (optional)	152514628

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:41 ID:Oi?19COivVQLpw6u1ClfnEz8zZ6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

-1-2-8 1-2-8 5-9-7 11-4-4 16-0-3 20-8-1 28-0-0 35-3-15 43-0-3 51-0-0 5-9-7 5-6-13 4-7-14 4-7-14 7-3-15 7-3-15 7-8-5 7-11-12 6x8 🍫 6x8💊 2x4 II 25 8 6 24 7 8.25¹² 11-7-13 26 6-4-14 5 9 23 270 6x8 🍫 11-11-8 242 28 12 51-2 21 3 5-3-0 5-3-0 0-6-3 0-10-Œ ĕ 20 19 18 29 16 305 14 31 13 32 12 33 6x8 II 17 2x4 II 4x8= 6x8 II 2x4 🛛 20-9-13 <u>16-2-4</u> 16-4-0 4-11-11 0-1-12 4-5-13 0-0-8 5-9-7 11-2-8 28-0-0 35-2-3 43-0-3 51-0-0 0-0-8 5-8-15 5-5-1 7-2-3 7-2-3 7-10-0 7-11-12

Scale = 1:91.6

Plate Offsets (X, Y): [6:0-3-0,0-2-0], [8:0-3-4,0-2-8], [13:0-4-8,0-3-0]

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	0.42	Vert(LL)	-0.07	13-14	>999	240	MT20	244/190
Snow (Pf)		15.0	Lumber DOL	1.15		BC	0.44	Vert(CT)	-0.13	13-14	>999	180		
TCDL		10.0	Rep Stress Incr	YES		WB	0.50	Horz(CT)	0.04	11	n/a	n/a	-	
BCLL		0.0*	Code	IRC20 ²	5/TPI2014	Matrix-S								
BCDL		10.0											Weight: 417 lb	FT = 20%
				1	Unbalanced	roof live loads have	been	considered fo	or					
TOP CHORD	2x6 SP N	02			this design.									
BOT CHORD	2x6 SP N	0.2		2	Wind: ASCE	7-10; Vult=115mph	n (3-seo	cond gust)						
WEBS	2x4 SP N	0.2			Vasd=91mpł	; TCDL=6.0psf; BC	DL=6.	0psf; h=30ft;	Cat.					
WEDGE	Right: 2x4	SP No.2			II; Exp B; En	closed; MWFRS (er	nvelope	e) exterior zor	ne;					
BRACING	0				cantilever lef	t and right exposed	; Luml	per DOL=1.60)					
TOP CHORD	Structural	wood she	athing directly applie	d or	plate grip DC	L=1.60								
	4-8-14 oc	purlins, ex	cept	3) TCLL: ASCE	7-10; Pr=20.0 psf	(roof liv	e load: Lumb	er					
	2-0-0 oc p	ourlins (6-0	-0 max.): 6-8.		DOL=1.15 P	ate DOL=1.15); Pf=	=10.0 p	sf (flat roof sr	now:					
BOT CHORD	Rigid ceili	ing directly	applied or 10-0-0 oc		Lumber DOL	=1.15 Plate DOL=1	.15); C	ategory II; Ex	кр B;					
	bracing,	Except:		4	Partially Exp	; Ct=1.10			h in					
	6-0-0 oc b	oracing: 16	-17.	4) Unbalanced	snow loads have be	een coi	isidered for ti	nis					
WEBS	1 Row at	midpt	5-17, 6-16, 7-14, 8-1	4, 5	Uesign.	s been designed fo	r aroot	or of min roof	livo					
			10-13	5	load of 12 0	s been designed to	t roof l	ad of 10 0 p	sfon					
REACTIONS	(lb/size)	2=448/0-3	-0, 11=1055/ Mecha	nical,	overhands n	on-concurrent with	other li	ve loads	51 011					
		17=1736/0)-3-8	6	Provide adec	uate drainage to p	revent	vater ponding	n					
	Max Horiz	2=236 (LC	; 9)	7	All plates are	4x6 MT20 unless (otherwi	se indicated	9.					
	Max Uplift	2=-25 (LC	8), 11=-30 (LC 13),	. 8) This truss ha	s been designed fo	ra 10.	0 psf bottom						
		17=-33 (L	C 12)		chord live loa	d nonconcurrent w	ith anv	other live loa	ids.					
	Max Grav	2=612 (LC 17=2199 (C 54), 11=1404 (LC 5 I C 3)	57), 9	* This truss h	as been designed	for a liv	e load of 20.0	Opsf					LESS.
FORCES	(lb) - Max	imum Com	nression/Maximum		on the botton	n chord in all areas	where	a rectangle						
I ONOLO	Tension		probolon/maximum		chord and ar	y other members	with BC		F F				ITH UA	ROUL
TOP CHORD	1-2=0/21.	2-3=-933/3	36, 3-4=-339/73,	1	n) Refer to gird	r(s) for trues to true		DC = 10.0p3				A	A	The states
	4-5=-43/3	10. 5-6=-62	20/127. 6-7=-1013/1 ⁻	13. 1	1) Provide med	nanical connection	(hy oth	ers) of truss t	n		/	53	FEE	Nit sin
	7-8=-1013	3/113, 8-10	=-1467/114,	-, 1	bearing plate	capable of withsta	ndina 2	25 lb uplift at i	oint		4	V		Bille
	10-11=-20	047/60			2, 33 lb uplift	at joint 17 and 30 l	b uplift	at joint 11.				() (.4 -	1.00
BOT CHORD	2-20=-84/	801, 19-20	=-84/801,	1	2) This truss is	designed in accord	ance w	, ith the 2015			=		SEA	L 🕴 E
	17-19=-83	3/261, 16-1	7=-260/151,		International	Residential Code s	ections	R502.11.1 a	and				0000	
	14-16=-52	2/552, 12-1	4=0/1586, 11-12=0/1	1586	R802.10.2 a	nd referenced stand	dard AN	ISI/TPI 1.			1		0363	22 : :
WEBS	3-20=0/24	40, 3-19=-6	13/98, 4-19=0/380,	. 1	3) Graphical pu	rlin representation	does n	ot depict the s	size			0	N	1 - E
	4-17=-567	7/84, 5-17=	-1694/26, 5-16=0/12	.09,	or the orienta	tion of the purlin al	ong the	e top and/or				5	1 A	all S
	6-16=-883	3/30, 6-14=	-47/1006,	200	bottom chord							2.5	S. S. NGINI	Enix
	10 12- 7	9/101, 0-14 04/170, 40	=-391/34, 8-13=-18/0 12_0/250	^{560,} L	OAD CASE(S)	Standard						11	710	- Frish
NOTEO	10-13=-72	24/179, 10-	12=0/309										IL A G	ILDUN
NULES													1111111	inn,
														N DC

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Job	Truss	Truss Type	Qty Ply		Brad Cummings- Hoener Job.	
Hoener	T4E	Piggyback Base Girder	1	1	Job Reference (optional)	152514629

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:42 ID:5dcpGdW_Yagw?StpdIU?BLz8zYy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:91.6

Plate Offsets (X, Y): [14:0-3-4,0-2-8], [19:0-2-0,0-2-0], [20):0-4-0,0-2-12], [25:0-	4-4,0-1-8],	[28:0-5-0,0-4-8]							
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2015/TPI2014	CSI TC BC WB Matrix-	0.77 0.97 0.76 S	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.08 -0.14 0.03	(loc) 26-28 26-28 24	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 582 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD	2x6 SP No.2 2x6 SP No.2 2x4 SP No.2 2x4 SP No.2 Right: 2x4 SP No.2 Structural wood she 3-10-14 oc purlins, 6 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 25 9-8-7 oc bracing: 25	l or	Max Uplift Max Grav	$\begin{array}{c} 2=-60 \ (LC 58), 2\\ 29=-531 \ (LC 13)\\ 32=-7 \ (LC 9), 33\\ 34=-20 \ (LC 9), 33\\ 36=-61 \ (LC 12),\\ 38=-50 \ (LC 60),\\ 41=-59 \ (LC 60),\\ 41=-59 \ (LC 60),\\ 43=-44 \ (LC 60),\\ 45=-8 \ (LC 59), 4\\ 2=-163 \ (LC 40),\\ 29=2273 \ (LC 27)\\ 32=-167 \ (LC 44),\\ 34=250 \ (LC 36),\\ 36=-304 \ (LC 2),\\ $	4=-629 (LC , 31=-160 (L =-237 (LC 8 5=-39 (LC 5 37=-21 (LC 39=-60 (LC 44=-61 (LC 6=-38 (LC 1 , 42=-59 (LC 44=-61 (LC 6=-38 (LC 1) , 31=74 (LC 33=1119 (L 35=65 (LC 2) 37=173 (LC 2)	13), .C 29), .), 55), 12), 60), 58), 55), 2) 2 27), C 2), C 2), 21), 37),	BOT CH	IORD	2-46= 44-45 42-43 39-41 37-38 35-36 33-34 31-32 28-29 25-26	-146/124, 45-46= =-146/124, 43-44 =-146/124, 41-42 =-264/206, 38-33 =-373/265, 36-33 =-469/306, 34-33 =-469/306, 32-33 =-316/260, 29-3 =-316/260, 26-28 =-567/2367, 24-2	146/124, +=-146/124, 2=-264/206, +=-373/265, 5=-469/306, =-316/260, =-316/260, =-316/260, 3=-282/1536, 25=-567/2367	
WEBS	9-5-7 oc bracing: 24 1 Row at midpt	-25. 14-36, 16-33, 19-29, 19-28, 21-28, 31-47			41=201 (LC 37), 43=275 (LC 40), 45=47 (LC 40),	42=90 (LC 4 44=35 (LC 4 46=263 (LC 2	54), 13), 2)					
REACTIONS	1 Brace at Jt(s): 47, 48, 49, 51, 52, 54, 55 (lb/size) 2=110/30 Mechanic 31=-88/3(33=869/3) 35=-20/3(37=112/3 39=84/30 42=59/30 44=-36/3(46=199/3 Max Horiz 2=236 (L0	-3-8, 24=1751/ al, 29=1654/30-3-8,)-3-8, 32=107/30-3-8,)-3-8, 36=227/30-3-8,)-3-8, 38=52/30-3-8, -3-8, 41=113/30-3-8, -3-8, 43=203/30-3-8,)-3-8, 45=33/30-3-8, 0-3-8 C 9)	FORCES TOP CHORD	(Ib) - May Tension 1-2=0/21 4-5=-132 7-8=-126 10-11=-1 12-13=-9 14-15=-7 16-17=-7 18-19=-7 20-21=-8 23-24=-3	kimum Compressie , 2-3=-172/155, 3- /148, 5-6=-156/25 /289, 8-9=-149/43 10/445, 11-12=-11 8/550, 13-14=-74/ 4/566, 13-14=-74/ 4/566, 19-20=-67 83/340, 21-23=-15 043/802	on/Maximum 4=-142/137, 8, 6-7=-138, 3, 9-10=-123 (4/507, 542, 566, 566, 566, 566, 7/316, 990/575,	/255, 3/424,		G . 111111		NUTH CA OR FESS SEA 0363	L 22

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T4E	Piggyback Base Girder	1	1	Job Reference (optional)	

53-54=-157/86, 39-53=-164/90,

11-39=-51/105, 11-52=-196/92,

51-52=-202/96, 36-51=-201/95,

14-36=-132/19, 14-50=-278/57,

49-50=-336/74, 33-49=-343/74,

16-33=-145/47, 33-48=-737/192, 47-48=-739/193, 19-47=-747/194, 19-29=-1348/330, 19-28=-605/2291, 20-28=-121/225, 21-28=-1672/537, 21-26=-475/1690, 23-26=-1067/365, 23-25=-280/1061, 18-47=-361/94, 31-47=-370/95, 17-48=-57/73, 32-48=-58/72,

15-49=-208/48, 34-49=-201/47, 35-50=-20/67, 13-51=-132/44,

37-51=-133/46, 12-52=-82/65, 38-52=-76/66, 10-53=-14/17, 9-54=-147/77, 41-54=-159/84, 7-55=-32/14, 6-56=-172/78, 43-56=-203/87,

5-44=-41/54 5-56=-140/91 55-56=-130/88

42-55=-140/91, 8-42=-65/147, 8-54=-166/91,

ID:5dcpGdW_Yagw?StpdIU?BLz8zYy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Uniform Loads (lb/ft)

Unitorm Loads (Ib/It) Vert: 1-8=-40, 8-14=-40, 14-20=-50, 20-24=-40, 2-24=-20 Concentrated Loads (Ib)

Vert: 64=-237 (F), 66=-237 (F), 67=-237 (F), 68=-237 (F), 69=-237 (F), 70=-237 (F), 71=-237 (F), 72=-237 (F), 73=-237 (F), 74=-238 (F)

Run: 8 53 S. Apr 27 2022 Print: 8 530 S. Apr 27 2022 MiTek Industries. Inc. Mon. Jun 13 14:27:42

Page: 2

NOTES

WEBS

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

4-45=-26/26, 3-46=-189/73

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle
 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 12) Refer to girder(s) for truss to truss connections.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 2, 61 lb uplift at joint 44, 59 lb uplift at joint 42, 60 lb uplift at joint 39, 61 lb uplift at joint 36, 237 lb uplift at joint 33, 531 lb uplift at joint 29, 629 lb uplift at joint 24, 160 lb uplift at joint 31, 7 lb uplift at joint 32, 20 lb uplift at joint 34, 39 lb uplift at joint 35, 21 lb uplift at joint 37, 50 lb uplift at joint 38, 59 lb uplift at joint 41, 44 lb uplift at joint 43, 8 lb uplift at joint 45 and 38 lb uplift at joint 46.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 32-1-4 from the left end to 50-1-4 to connect truss(es) to front face of bottom chord.
- 17) Fill all nail holes where hanger is in contact with lumber.18) In the LOAD CASE(S) section, loads applied to the face
- of the truss are noted as front (F) or back (B).
- LOAD CASE(S) Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	Т5	Piggyback Base	5	1	Job Reference (optional)	152514630

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:44 ID:_xvBEczpbFTXZIn7rH9wjMz8zYM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

-1-2-8 1-2-8 49-2-8 7-11-4 15-8-2 23-8-6 31-6-15 39-7-3 47-11-8 7-10-8 1-3-0 7-11-4 8-0-4 7-8-14 8-0-4 8-4-5 4x8= 6x8 🍫 2x4 II 4x6= 6x8= 7 24 8 5 9 22 ⊠ <u>6</u> 23 25 F 8.25 8.25 4x6 🖌 4x6 Δ 3²¹ 5x6、 260 27₁₁ 11-7-14 11-11-9 20 5-10-14 0-10-9 12 T T T T 28 19 29 18 30 17 31 16 15 14 32 13 33 6x8 II 3x8 🅢 2x4 II 6x8 II 4x8= 4x6= 2x4 II 4x6= 4x12= 0-0-8 0-0-8 7-11-4 15-9-14 23-8-6 31-6-15 39-5-7 47-11-8 7-10-12 7-10-10 7-10-8 7-10-8 7-10-8 8-6-1

Scale = 1:87.9

Plate Offsets (X, Y): [5:0-2-8,0-2-8], [9:0-4-0,0-2-12], [10:0-2-12,0-2-0], [12:0-5-7,Edge], [18:0-4-8,0-3-0]								
Loading (psf) Spacing 2-0-0 CSI DEFL TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.84 Vert(LL) Snow (Pf) 15.0 Lumber DOL 1.15 BC 0.95 Vert(CT) TCDL 10.0 Rep Stress Incr YES WB 0.82 Horz(CT) BCLL 0.0* Code IRC2015/TPI2014 Matrix-S Matrix-S	in (loc) -0.13 17-18 -0.24 17-18 0.09 12	l/defl L/d >999 240 >999 180 n/a n/a	PLATES GRIP MT20 244/190 Weight: 411 lb FT = 20%					
LUMBER TOP CHORD DCHORD WEBS 2x4 SP No.22x6 SP No.22BOT CHORD TOP CHORD2x6 SP No.211; Exp B; Enclosed; MWFRS (envelope) exterior zon- cantilever left and right exposed; Lumber DOL=1.60BRACING TOP CHORDStructural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals, and 2-0-0 oc purlins (4-3-8 max.): 5-9.2BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15); Pf=10.0 psf (flat roof sin- Lumber DOL=1.15); Pf=10.0 psf (flat roof sin- 	Cat. ne;) er now: cp B; nis live sf on g. ds. Opsf om : o int size	The second se	SEAL 036322					

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 June 13,2022

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T5A	Piggyback Base	1	1	Job Reference (optional)	152514631

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:45 ID:p5GSVg2aB5DgHDEHCYGKzcz8zYG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:87.9

Plate Offsets (X, Y):	[5:0-2-12,0-2-8]	, [12:0-4-0,0-2-12],	[16:0-2-8,0-2-8],	[26:0-4-8,0-3-0]
-----------------------	------------------	----------------------	-------------------	------------------

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	1.00	Vert(LL)	-0.13	25-26	>999	240	MT20	244/190
Snow (Pf)		15.0	Lumber DOL	1.15		BC	0.94	Vert(CT)	-0.23	25-26	>999	180		
TCDL		10.0	Rep Stress Incr	YES		WB	0.53	Horz(CT)	0.09	19	n/a	n/a		
BCLL		0.0*	Code	IRC20	15/TPI2014	Matrix-S								
BCDL		10.0											Weight: 469 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD	2x6 SP N 2x6 SP N 2x4 SP N 2x4 SP N Left: 2x4 Structura 3-11-1 oc 2-0-0 oc Rigid ceil bracing.	o.2 o.2 o.2 SP No.2 I wood shea purlins, ex purlins (4-4 ing directly	athing directly applie xcept end verticals, a -1 max.): 5-12. applied or 6-0-0 oc	V d or and	VEBS	3-27=0/346, 3-26=- 5-25=-165/540, 6-23 8-25=-35/409, 8-23 28-29=-1347/105, 2 21-30=-1369/114, 1 21-31=-34/1434, 31 32-33=-28/1407, 16 9-28=-6/22, 10-29=- 13-31=-11/78, 14-32 20-32=-148/72, 15-3 19-33=-340/83 roof live loads have	674/18(5=-517/ =0/456, 9-30=-' 2-21=0 -32=-2 -33=-32 -31/7, 1 2=-153/ 33=-32	0, 5-26=-12/6 (160, 8-28=-1363/ 1368/110, /507, 7/1400, 2/1408, 1-30=-5/8, (71, 5/74,	76, 110,	11) * Tr on t 3-00 cho 12) Pro bea 2, 4 13) This Inte R80 14) Gra or tl bott	his truss he botto 5-00 tall rd and a vide mee ring plat 0 lb uplii s truss is rnationa i2.10.2 a phical p he orient om chor	has be m cho by 1-0 ny oth chanic e capa ft at joi desig desig l Resid and ref urlin re ation o d.	een designed for rd in all areas wh 0-00 wide will fit er members, with al connection (by able of withstandi int 18 and 102 lb ned in accordand dential Code sect erenced standard spresentation doe of the purlin along	a live load of 20.0psf ere a rectangle between the bottom I BCDL = 10.0psf. others) of truss to ng 3 lb uplift at joint uplift at joint 19. with the 2015 ions R502.11.1 and d ANSI/TPI 1. se not depict the size g the top and/or
WEBS	1 Row at	midpt	3-26, 6-25, 11-30	1) Unbalanced	roof live loads have	e been o	considered for	r	DOII	om chor	a.		
	1 Brace a 29, 30, 3 ⁻	at Jt(s): 28, 1, 32, 33 2–1560/0-	3-8 18-1218/2-3-8	2	this design.) Wind: ASCE Vasd=91mpl II; Exp B; En	7-10; Vult=115mph h; TCDL=6.0psf; BC closed; MWFRS (ei	n (3-sec DL=6.0 nvelope	cond gust) Opsf; h=30ft; (e) exterior zon	Cat. ne;	LOAD	CASE(S)) Sta	ndard	
	Max Horiz Max Uplift Max Grav	19=425/0- 2=237 (LC 2=-3 (LC 19=-102 (I 2=2036 (L	3-8 2 12) 12), 18=-40 (LC 9), LC 13) .C 3), 18=1574 (LC 3	3),	cantilever lef plate grip DC) Truss design only. For stu see Standard or consult du	It and right exposed DL=1.60 ned for wind loads i uds exposed to wind d Industry Gable En ualified building desi	; Lumt n the pl d (norm d Deta	lane of the tru al to the face) ils as applicat) ISS), ble, PI 1					
FORCES	(lb) - Max Tension	19=648 (L imum Com	.C 45) pression/Maximum	4) TCLL: ASCE DOL=1.15 P	= 7-10; Pr=20.0 psf (late DOL=1.15); Pf=	(roof liv =10.0 p	e load: Lumb sf (flat roof sn	er now: rn B:		4	Nº Y	ORTHOR	
TOP CHORD	1-2=0/21, 5-6=-216; 8-9=-117; 10-11=-1; 12-13=-1; 14-15=-1; 16-17=0/4; 2-27=-11; 23-25=-8; 20-21=-8;	2-3=-3003 5/103, 6-8= 8/61, 9-10= 178/61, 11- 396/52, 13- 493/32, 15- 47, 16-18=- 3/2325, 25- 8/1949, 21- /0, 19-20=-{	/0, 3-5=-2430/76, -2164/104, -1178/61, 12=-1181/61, 14=-1487/36, 16=-1402/52, 1619/31 27=-113/2325, 23=-88/1949, B/0, 18-19=-8/0	5 6 7 8 9 1	Partially Exp) Unbalanced design.) This truss ha load of 12.0 overhangs n) Provide adee) All plates are) Gable studs 0) This truss ha chord live loa	:; Ct=1.10 snow loads have be as been designed fo psf or 2.00 times fla on-concurrent with quate drainage to p e 2x4 MT20 unless of spaced at 2-0-0 oc. as been designed fo ad nonconcurrent w	een cor or greate tt roof k other liv revent v otherwi or a 10.0 ith any	nsidered for the er of min roof bad of 10.0 ps ve loads. water ponding se indicated. D psf bottom other live load	his live sf on g. ds.		Contraction (Contraction)		SEA 0363	EER. K

June 13,2022

818 Soundside Road Edenton, NC 27932

Page: 1

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	Т6	Piggyback Base	1	1	Job Reference (optional)	152514632

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:46 ID:HHqqi03CyPLXvNpTmFnZVqz8zYF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:83.3

Plate Offsets (X, Y): [5:0-4-0,0-1-8], [7:0-4-0,0-1-8], [13:0-4-8,0-3-0], [15:0-4-8,0-3-0]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.79 0.89 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.22 0.10	(loc) 14-15 14-15 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 358 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No.2 *Except 1.5E or 2x4 SP No.1 2x6 SP No.2 2x4 SP No.2 Left: 2x4 SP No.2 Right: 2x4 SP No.2 Structural wood sheat 4-0-6 oc purlins, exc 2-0-0 oc purlins (3-9- Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 2=1493/0-	t* 5-7:2x4 SP 1650F or 2x4 SP SS athing directly applied ept -12 max.): 5-7. applied or 10-0-0 oc 3-15, 6-14, 9-13 3-8, 10=1493/0-3-8	2) 3) d or 4) 5) 6) 7)	Wind: ASCE Vasd=91mph II; Exp B; Enc cantilever lef plate grip DC TCLL: ASCE DOL=1.15 Pl Lumber DOL Partially Exp Unbalanced design. This truss ha load of 12.0 p overhangs m Provide adec This truss ha	7-10; Vult=115mpl ;; TCDL=6.0psf; BC closed; MWFRS (et and right exposed 0L=1.60 7-10; Pr=20.0 psf ate DOL=1.15); Pf =1.15 Plate DOL=1 ; Ct=1.10 snow loads have b s been designed fo cosf or 2.00 times fit on-concurrent with juate drainage to p s been designed fo	h (3-sec CDL=6.0 nvelope 1; Lumb (roof liv =10.0 p 1.15); C een cor or greate at roof lo other liv revent v or a 10.0	ond gust) Dpsf; h=30ft;) exterior zo ver DOL=1.6(e load: Lumb sf (flat roof si ategory II; E: sidered for t er of min roof vad of 10.0 p re loads. water pondin: 0 psf bottom	Cat. ne; 0 per now: xp B; his f live sf on g.						
FORCES	Max Hofiz 2=224 (LC Max Uplift 2=-11 (LC Max Grav 2=1958 (L (Ib) - Maximum Com	. 12), 10=-11 (LC 13) .C 3), 10=1958 (LC 3 pression/Maximum) 8)	 chord live loa * This truss h on the bottom 3-06-00 tall b chord and an 	ad nonconcurrent w has been designed in chord in all areas by 1-00-00 wide will we other mombers	vith any for a liv where I fit betw	other live loa e load of 20. a rectangle veen the bott	ads. Opsf om						
TOP CHORD	1-2=0/21, 2-3=-2876 5-6=-1990/42, 6-7=-' 9-10=-2876/2, 10-11	5/1, 3-5=-2293/47, 1990/42, 7-9=-2293/4 =0/21	9) 17,	Provide mech bearing plate 2 and 11 lb u	hanical connection capable of withsta plift at joint 10.	(by oth nding 1	ers) of truss i 1 lb uplift at j	to joint				TH CA	RO	2
BOT CHORD	2-16=-40/2273, 14-1 12-14=0/2224, 10-12	6=-40/2273, 2=0/2224	10	This truss is International	designed in accord Residential Code s	lance w	ith the 2015 R502.11.1 a	and		4	in	ON FESS	1	
WEB2	3-10=0/352, 3-15=-6 5-14=-135/486, 6-14 7-14=-135/486, 7-13 9-13=-693/183, 9-12	92/183, 5-15=-18/66 =-604/156, =-18/667, =0/352	7, 11	Graphical pu or the orienta bottom chorc	rlin representation tion of the purlin a l.	does no long the	top and/or	size				SEA		ann a
NOTES			LC	AD CASE(S)	Standard					1		0363	~ :	=

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

ERIC . G minim June 13,2022

818 Soundside Road Edenton, NC 27932

Page: 1

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T6A	Piggyback Base	2	1	Job Reference (optional)	152514633

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:46 ID:wQIP1mWYy5bTscp2QFyqGsz9_5p-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 30-6-8 6-10-0 13-7-15 21-4-4 29-4-0 H 7-8-4 6-10-0 1-2-8 6-10-0 7-11-12 2x4 🛛 4x6= 6x8= 2 3 1 11 \boxtimes 12 4x6👟 12 18.25 4 4x6、 5 11-11-8 11-7-13 13 MT20HS 3x10 || 6 -10-10 ₿ 閿 14 15 16 179 18 8 19 3x4= 6x8= 10x12= 2x4 🛛

21-4-4

	13-6-3	7-10-1
cale = 1:71.7		

13-6-3

Scale = 1:71.7	1000
Plate Offsets (X, Y):	[3:0-4-0,0-2-12], [6:Edge,0-0-7], [6:0-2-10,0-4-4], [9:0-6-0,0-4-8]

Loading	(psf)	Spacing	2-0-0		CSI	0.56	DEFL	in 0.12	(loc)	l/defl	L/d	PLATES	GRIP
	20.0		1.15			0.50	Vert(LL)	-0.13	9-10	>999	240	MT20	244/190
Show (Pt)	15.0		1.15		BC	0.67		-0.25	9-10	>999	180	MI20HS	187/143
TCDL	10.0	Rep Stress Incr	NO		WB	0.81	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TF	PI2014	Matrix-S								
BCDL	10.0											Weight: 261 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No.2 2x10 SP 2250F 1.9E 2x10 SP SS *Except 2x4 SP No.2 Right: 2x4 SP No.2 Structural wood shea 5-2-4 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 6=1009/0- Max Horiz 10=-348 (1 Max Uplift 6=-9 (LC	e or 2x10 SP DSS or * 9-6:2x6 SP No.2 athing directly applied cept end verticals, an -0 max.): 1-3. applied or 10-0-0 oc 1-10, 5-9, 2-10 -3-8, 10=1157/0-3-8 LC 13) 13), 10=-89 (LC 8) - 282, 10, 1447 (LC	4) Tr lo: ov 5) Pr 6) Al 7) Tr cr d or 8) * - d or d or 4 9) Pr be 10 10) Tr be 10 10, Tr be 10 10, Tr be 10 10, Tr be 10 10 10 10 10 10 10 10 10 10 10 10 10	his truss have bad of 12.0 p verhangs no rovide adeq Il plates are hord live loa This truss have hord live loa This truss h n the bottom -06-00 tall b hord and an rovide mech earing plate 0 and 9 lb u his truss is o iternational 802.10.2 ar	s been designed for out of a speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the speed of the sp	r greate t roof lo other liv event v s other r a 10.0 ith any or a liv where fit betw vith BC (by oth nding 8 ance wi ections lard AN	er of min roof pad of 10.0 p: re loads. vater ponding wise indicate 0 psf bottom other live loa e load of 20.0 a rectangle reen the botto DL = 10.0psf ers) of truss t 9 lb uplift at j th the 2015 R502.11.1 a ISI/TPI 1.	live sf on g. d. ds. Dpsf om c. oom i. oont					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	³⁴⁾ 11) Gi or	raphical pur	lin representation of the purlin alo	does no ong the	top and/or	size					
TOP CHORD	1-10=-200/47, 1-2=-0 3-5=-1226/42, 5-6=-1	6/0, 2-3=-913/83, 1794/0, 6-7=0/21	12) A	TTIC SPAC	E SHOWN IS DES .BI F	IGNED	AS					muu	1111
BOT CHORD	8-10=-13/1348, 6-8=	0/1348	13) In	the LOAD	CASE(S) section, lo	oads ap	plied to the f	face				"H CA	ROUL
WEBS	3-9=0/333, 5-9=-669 2-10=-1115/123, 2-9)/187, 5-8=0/306,)=-61/783	of	f the truss a	re noted as front (F Standard) or ba	ck (B).				-A'	ORIESS	All'
NOTES			1)	Dead + Sno	w (balanced): I uml	ber Inci	ease=1.15	Plate			23		1: Salt
 Wind: ASC Vasd=91m II; Exp B; I cantilever plate grip I TCLL: ASC DOL=1.15 Lumber DO Partially E: Unbalance design. 	CE 7-10; Vult=115mph hph; TCDL=6.0psf; BCI Enclosed; MWFRS (en left and right exposed DOL=1.60 CE 7-10; Pr=20.0 psf (r Plate DOL=1.15); Pf= OL=1.15 Plate DOL=1. xp.; Ct=1.10 d snow loads have be	(3-second gust) DL=6.0psf; h=30ft; C vvelope) exterior zone ; Lumber DOL=1.60 roof live load: Lumbe 10.0 psf (flat roof snc .15); Category II; Exp en considered for this	r, L at. L x; r ww: B; s	Vert: 1-3= (F=-20), 6	(blanced), Lunn 15 Ids (lb/ft) -50, 3-7=-40, 10-1 -17=-20	4=-20,	14-17=-40			A THURSDAY		SEAI 03632	ER. KIN

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



June 13,2022

29-4-0 0-0-8

29-3-8

7-11-5

Page: 1

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	Т6В	Piggyback Base	7	1	Job Reference (optional)	152514634

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:47 ID:9mbNODNjHcFR4NYI_gA5Yez9_?X-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:72.6

Plate Offsets (X, Y):	[3:0-4-0,0-2-12], [6:1	Edge,0-0-7], [6:0-2	-10,0-4-4],	[8:0-6-0,0-4-8]

Loading TCLL (roof) Snow (Pf)	(psf) 20.0 15.0	Spacing Plate Grip DOL	2-0-0 1.15 1 15		CSI TC BC	0.45 0.68	DEFL Vert(LL) Vert(CT)	in -0.14 -0.26	(loc) 8-9 8-9	l/defl >999 >999	L/d 240 180	PLATES MT20 MT20HS	GRIP 244/190 187/143
TCDL	10.0	Rep Stress Incr	NO		WB	0.83	Horz(CT)	0.03	6	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI	2014	Matrix-S								
BCDL	10.0											Weight: 258 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP No.2 2x10 SP 2250F 1.9E 2x10 SP SS *Except 2x4 SP No.2 Right: 2x4 SP No.2 Structural wood shea 5-1-5 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 6=962/ Ma Max Horiz 9=-338 (LC Max Uplift 9=-89 (LC	or 2x10 SP DSS or * 8-6:2x6 SP No.2 athing directly applied ept -0 max.): 1-3. applied or 10-0-0 oc 1-9, 2-9, 5-8 echanical, 9=1161/0- C 13) 8	4) Uni des 5) Pro 6) All 7) Thi cho 8) * Ti 3-0 cho 9) Ref 10) Pro bez 9. 3-8 11) Thi Inte Rate 8	balanced s sign. ovide adeq plates are is truss has ord live loa the bottom 06-00 tall b ord and any fer to girde aring plate as truss is c ernational 1	snow loads have be uate drainage to pr MT20 plates unless s been designed for d nonconcurrent wi as been designed for o chord in all areas y 1-00-00 wide will y other members, v r(s) for truss to trus lanical connection (capable of withstar designed in accorda Residential Code so d referenced stand	een cor event v s other r a 10.0 ith any or a liv where fit betw vith BC ss conr (by oth hding 8 ance wi ections ard Ab	sidered for the vater ponding wise indicate 0 psf bottom other live load e load of 20.0 a rectangle veen the botth DL = 10.0psf veen the botth DL = 10.0psf veetions. ers) of truss i 9 lb uplift at j rth the 2015 R502.11.1 at ISI/TPI 1	his g. ids. Dpsf com f. ro oint					
FORCES	Max Grav 6=1282 (L (lb) - Maximum Com Tension	.C 26), 9=1451 (LC 3 pression/Maximum	²⁾ 12) Gra or t	aphical pur the orienta	lin representation c tion of the purlin alc	does no ong the	ot depict the s top and/or	size					
TOP CHORD	1-2=0/0, 2-3=-934/8 ⁻ 5-6=-1786/0	1, 3-5=-1258/40,	13) In t	the LOAD (CASE(S) section, Ic	bads ap	oplied to the t	face					
BOT CHORD WEBS	7-9=-15/1370, 6-7=0 1-9=-195/47, 3-8=0/3 2-9=-1134/123, 2-8=	/1367 347, 5-7=0/285, -59/799, 5-8=-659/19	LOAD (1) De	CASE(S) ead + Sno	Standard w (balanced): Lumb	ber Inci	rease=1.15, I	Plate			m	WITH CA	ROLIN
NOTES 1) Unbalance this design 2) Wind: ASC Vasd=91m II; Exp B; E cantilever I plate grip I 3) TCLL: ASC DOL=1.15 Lumber DC Partially Ex	ed roof live loads have b. E 7-10; Vult=115mph iph; TCDL=6.0psf; BCI Enclosed; MWFRS (en left and right exposed DOL=1.60 CE 7-10; Pr=20.0 psf (r Plate DOL=1.15); Pf= DL=1.15 Plate DOL=1. xp.; Ct=1.10	been considered for (3-second gust) DL=6.0psf; h=30ft; C velope) exterior zone ; Lumber DOL=1.60 roof live load: Lumbe 10.0 psf (flat roof sno .15); Category II; Exp	un at. ∋; r w: ∍ B;	niform Loa Vert: 1-3= 6-16=-20	ds (lb/ft) -50, 3-6=-40, 9-13:	=-20, 1	3-16=-40 (F=	20),		A THILLING .		SEA 0363	L 22 LBERTIN

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	Brad Cummings- Hoener Job.	
Hoener	T6C	Piggyback Base	1	1	Job Reference (optional)	152514635

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:47 ID:L2zyFU9wfnmaDzHY52Ia0ez8zzE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:72.6

Plate Offsets (X, Y):	[3:0-4-0,0-2-12],	[6:Edge,0-0-7],	[6:0-2-10,0-4-4],	[8:0-6-0,0-4-8]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.45 0.68 0.82	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.26 0.03	(loc) 8-9 8-9 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 MT20HS Weight: 258 lb	GRIP 244/190 187/143 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD	2x6 SP No.2 2x10 SP 2250F 1.9E 2x10 SP SS *Except 2x4 SP No.2 Right: 2x4 SP No.2 Structural wood shea 5-1-14 oc purlins, ex 2-0-0 oc purlins (6-0- Rigid ceiling directly bracing. 1 Row at midpt (Ib/size) 6=959/0-4 Max Horiz 9=-338 (Lf Max Uplift 9=-89 (LC Max Grav 6=1278 (L (Ib) - Maximum Com Tension 1-2=0/0, 2-3=-929/81 5-6=-1771/0	or 2x10 SP DSS or * 8-6:2x6 SP No.2 athing directly applied cept -0 max.): 1-3. applied or 10-0-0 oc 1-9, 2-9, 5-8 -0, 9=1158/0-3-8 C 13) 8) C 26), 9=1447 (LC 3: pression/Maximum	4) 5) 6) 7) 8) 1 or 9) 10 2) 11 12	Unbalanced : design. Provide adec All plates are This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and an Provide mecl bearing plate 9.) This truss is of International R802.10.2 ar) Graphical pu or the orienta bottom chord) In the LOAD of the truss a	snow loads have by uate drainage to p MT20 plates unless s been designed for d nonconcurrent w as been designed n chord in all areas y 1-00-00 wide will y other members, nanical connection capable of withsta designed in accord Residential Code s d referenced stand rlin representation tion of the purlin al CASE(S) section, I re noted as front (f	een cor revent v so other or a 10.4 ith any for a liv where fit betv with BC (by oth nding 8 ance w sections dard AN does no ong the oads a) or ba	water ponding wise indicate) psf bottom other live loa e load of 20.0 a rectangle veen the botto DL = 10.0psf ers) of truss t 9 lb uplift at ju- ith the 2015 is R502,11.1 a ISI/TPI 1. ot depict the s e top and/or oplied to the f ck (B).	nis J. d. ds.)psf om o oint nd ize ace					
BOT CHORD WEBS 1) Unbalance this design 2) Wind: ASC Vasd=91m II; Exp B; E cantilever I plate grip [3) TCLL: ASC DOL=1.15 Lumber DC Partially Ex	7-9=-15/1353, 6-7=0 1-9=-195/47, 3-8=0/3 2-9=-1129/123, 2-8= d roof live loads have E 7-10; Vult=115mph ph; TCDL=6.0psf; BCI Enclosed; MWFRS (en eft and right exposed ; DCL=1.60 CE 7-10; Pr=20.0 psf (r Plate DOL=1.15); Pf= DL=1.15 Plate DOL=1. cp.; Ct=1.10	/1350 944, 5-7=0/283, -59/794, 5-8=-645/19 been considered for (3-second gust) DL=6.0psf; h=30ft; C <i>i</i> velope) exterior zone Lumber DOL=1.60 006 live load: Lumber 10.0 psf (flat roof sno 15); Category II; Exp	LC 1) 12 at. ;; r w: B;	DAD CASE(S) Dead + Sno Increase=1. Uniform Loa Vert: 1-3= 6-16=-20	Standard w (balanced): Lum 15 ds (lb/ft) 50, 3-6=-40, 9-13	ber Inc	rease=1.15, F 3-16=-40 (F=	Plate -20),		Manna Mar		SEA OR ESS SEA O363	

- MWFRS (e cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber
- DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10

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 110000

Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T6E	Piggyback Base Supported Gable	1	1	Job Reference (optional)	152514636

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:48 ID:hsVzL155FKj6mrY2RNLG7Sz8zYC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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Loading		(psf)	Spacing	2-0-0		CSI		0.06	DEFL	in n/a	(loc)	l/defl	L/d	PLATES	GRIP	90
Spow (Pf)		20.0		1.15		BC		0.00	Vert(LL)	n/a		-	n/a	999	WIT20	244/13	30
		10.0	Ren Stress Incr	VES		WB		0.02	Horiz(TL)	0.00		17	n/a	n/a			
BCU		0.0*	Code	IRC20	15/TPI2014	Mat	riv-S	0.10		0.00		.,	n/a	Π/a			
		10.0	Code	11(02)	/13/11/2014	Iviat	14-0								Weight: 364 I	h FT-C	20%
DODL		10.0													Weight. 504 I		2070
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SP N 2x10 SP 2 2x10 SP 3 2x10 SP 3 2x4 SP N	o.2 2250F 1.9E SS o.2	or 2x10 SP DSS or			Max Gr	av 17 19 21 23 26	Z=218 (LC 13) =142 (LC 26) =248 (LC 38) =253 (LC 38) =222 (LC 33)	, 18=279 (LC , 20=245 (LC , 22=251 (LC , 24=201 (LC , 27=226 (LC	26), 38), 38), 26), 33),	2) 3)	True only see or co TCL	ss desig . For st Standai onsult q L: ASCI	ined fo uds ex d Indu ualifie E 7-10	or wind loads in posed to wind ustry Gable Enc d building desig p; Pr=20.0 psf (r	the plane (normal to I Details a ner as pe coof live lo	e of the truss o the face), is applicable, r ANSI/TPI 1. ad: Lumber
OTHERS	2x4 SP N	o.2					28	3=224 (LC 33)	, 29=225 (LC	33),		DOL	=1.15 F	Plate D	OL=1.15); Pf=	10.0 psf (fl	lat roof snow:
BRACING							30)=226 (LC 33)	, 31=231 (LC	33),		Lum	ber DO	L=1.1	5 Plate DOL=1.	15); Cateç	gory II; Exp B;
TOP CHORD	Structural	l wood shea	athing directly applied	d or				2=87 (LC 33)	<i></i>		4)	Part	ally Exp).; Ct=	1.10	on oonoid	arad for this
	6-0-0 oc p	ourlins, exc	cept end verticals, and	d	FORCES	(Ib) - N	laximu	um Compress	ion/Maximum		4)	dasi	alanceu an	SHOW	loaus nave be	SILCOUSIGE	
	2-0-0 oc p	ourlins (6-0	-0 max.): 1-8.			1 22	011 60/15	1 2 0/0 2 2	0/0 2 4 0/0		5)	Prov	yn. vide ade	quate	drainage to pre	vent wate	er nonding
BOT CHORD	Rigid ceili	ing directly	applied or 10-0-0 oc			4-5-0	02/15,	-0/0 6-7-0/0	=0/0, 3-4=0/0, 7-8-0/0		6)	All p	lates ar	e 2x4	MT20 unless of	therwise in	ndicated.
	bracing.	ma i al m t	4 00 0 04 0 00 4 00	<u> </u>		8-9=-3	8/8.9-	-10=-55/41	-11 = -92/58		7)	Gab	le requi	res co	ntinuous botton	n chord be	earing.
WEB5	I ROW at	πιαρι	1-32, 2-31, 3-30, 4-23 5-28 6-27 7-26 0-2/	9, 4		11-12	=-143/7	72, 12-13=-19	4/87,		8)	Gab	le studs	space	ed at 2-0-0 oc.		
			10-23	4,		13-14	=-245/9	98, 14-16=-28	9/109,		9)	This	truss h	as bee	en designed for	a 10.0 ps	f bottom
PEACTIONS	(lb/sizo)	17-82/20-	4-0 18-202/20-4-0			16-17	=-383/	155				chor	d live lo	ad no	nconcurrent wit	h any othe	er live loads.
REACTIONS	(10/3126)	19=91/29-	4-0, 10=202/29-4-0,		BOT CHORD	31-32	=-120/3	334, 30-31=-1	20/334,		10)) * Th	is truss	has b	een designed fo	or a live loa	ad of 20.0psf
		21=119/29	9-4-0. 22=120/29-4-0.			29-30	=-120/3	334, 28-29=-1	20/334,			on th	ne botto	m cho	ord in all areas v	vhere a re	ctangle
		23=120/29	9-4-0, 24=126/29-4-0,	,		27-28	=-120/3	334, 26-27=-1	20/334,			3-00	-00 tall d and a	by I-U	or members w	it between	
		26=140/29	9-4-0, 27=141/29-4-0,	,		24-20	=-120/、 120/	334, 23-24=-1 334-21-221	20/334, 20/334			CHOI	u anu a	ny Ou	iei members, w		= 10.0p3i.
		28=140/29	9-4-0, 29=140/29-4-0,	,		20-21	=-120/(334 19-201	20/334							1111	
		30=142/29	9-4-0, 31=142/29-4-0,	,		18-19	=-120/3	334. 17-18=-1	20/334						M' C	AD."	11.
		32=55/29-	4-0		WEBS	2-31=	151/36	6. 3-30=-157/3	38. 4-29=-152	2/36.					"ATH U	1077	China China
	Max Horiz	32=-334 (LU 13) C 11) 19 - 01 (LC 12)			5-28=	152/3	7, 6-27=-155/	38, 7-26=-150	/36,				N	OTTES	Cid.	All.
	Max Oplin	10-32 (L	C 11), 18=-91 (LC 13) C 13) 2042 (LC 13)),)		9-24=	118/44	4, 10-23=-157	/67,					22	10 FLC	X	1
		21=-41 (1)	C 13), 20= 42 (LC 13) C 13), 22=-42 (LC 13)),))		11-22	=-154/6	66, 12-21=-15	5/65,				2			1	
		23=-43 (L	C 13), 24=-20 (LC 13)),		13-20	=-137/6	66, 14-19=-10	4/55,				-		05	A 1	1 E
		26=-12 (L	C 8), 27=-14 (LC 9),	,,		16-18	=-194/	118					- 5		SE.	AL	- E - E -
		28=-13 (L	C 9), 29=-12 (LC 8),		NOTES								1		0.36	322	: z
		30=-14 (L	C 8), 31=-10 (LC 9),		1) Wind: ASC	E 7-10;	Vult=1	115mph (3-se	cond gust)	0-1			-				1 - Z -
		32=-7 (LC	8)			pn; TCL)L=0.0	PST; BCDL=6.	Upsi; n=30ft;	Cat.			-		All second		1. 3
					cantilever	eft and	riaht e	xposed · Lum	ber DOI = 1.60	ופ, ו				11	C. ENOU	FER.	· K S -
					plate grin I	OL=1 f		, Lum	55. DOL-1.00					1	A. GI	VEL	8.5
					Pierce Bub I									1	ICA	CILBR	(III)
															1111	allin	· ·
																TUTING	

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Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T6E	Piggyback Base Supported Gable	1	1	Job Reference (optional)	52514636

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 32, 12 lb uplift at joint 17, 10 lb uplift at joint 31, 14 lb uplift at joint 30, 12 lb uplift at joint 29, 13 lb uplift at joint 28, 14 lb uplift at joint 27, 12 lb uplift at joint 27, 12 lb uplift at joint 26, 20 lb uplift at joint 24, 43 lb uplift at joint 23, 42 lb uplift at joint 22, 41 lb uplift at joint 21, 42 lb uplift at joint 20, 32 lb uplift at joint 19 and 91 lb uplift at joint 18.
- 12) This truss is designed in accordance with the 2015 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.

LOAD CASE(S) Standard

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:48 ID:hsVzL155FKj6mrY2RNLG7Sz8zYC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.
Hoener	Т7	Common	2	1	Job Reference (optional)

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:48 ID:9zydH7H30kHcEYwA0peYvKz8zZF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:64.6

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 10.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	;/TPI2014	CSI TC BC WB Matrix-S	0.62 0.40 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.15 0.00	(loc) 7-8 7-8 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 111 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP 1650F 1.5E of SP SS 2x4 SP 1650F 1.5E of SP SS 2x4 SP No.2 Structural wood sheat 6-0-0 oc purlins, exo Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 6=525/0-3 Max Horiz 8=-149 (LC Max Uplift 6=-15 (LC Max Grav 6=709 (LC	or 2x4 SP No.1 or 2x4 or 2x4 SP No.1 or 2x4 athing directly applied cept end verticals. applied or 10-0-0 oc 3-7 -8, 8=525/0-3-8 C 10) 12), 8=-15 (LC 13) c 2), 8=709 (LC 2)	5) 4 6) 7) 1 or 8) 9) LO	This truss ha load of 12.0 p overhangs no This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and ar Provide mect 8 and 15 lb u This truss is International R802.10.2 ar AD CASE(S)	s been designed of or 2.00 times on-concurrent wi s been designed at nonconcurrent as been designed n chord in all are by 1-00-00 wide w by other members hanical connection capable of withs plift at joint 6. designed in acco Residential Code and referenced star Standard	for greate flat roof lo th other liv for a 10.0 t with any ad for a live as where will fit betw s. on (by othe standing 1 ordance wi e sections andard AN	er of min roof aad of 10.0 p re loads. p psf bottom other live load a rectangle reen the bott f b uplift at j th the 2015 R502.11.1 a SI/TPI 1.	live sfon Opsf om oint					
TOP CHORD BOT CHORD WEBS	(ib) - Maximum Com Tension 1-2=0/54, 2-3=-492/1 4-5=0/54, 2-8=-640/5 7-8=-146/196, 6-7=-3 3-7=-24/193, 2-7=-14	00, 3-4=-492/100, 52, 4-6=-640/52 81/68 4/275, 4-7=-14/275											90 <i>.</i> .

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: 3) Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.

Vanananan WWWWWWWW SEAL 036322 G١ 100000 June 13,2022



Job	Truss Truss Type		Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	Т8	Common	2	1	Job Reference (optional)	152514638

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:48 ID:9zydH7H30kHcEYwA0peYvKz8zZF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

UDUI/J4ZJU?



Scale = 1:59.8

Plate Offsets (X V)	[2.0-3-0 0-1-8] [4.0-3-0 0-1-8]
Fible Offsets (Λ, T) .	[2.0-3-0,0-1-0], [4.0-3-0,0-1-0]

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	0.41	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190	
Snow (Pf)	10.0	Lumber DOL	1.15		BC	0.28	Vert(CT)	-0.08	6-7	>999	180			
TCDL	10.0	Rep Stress Incr	YES		WB	0.05	Horz(CT)	0.00	6	n/a	n/a			
BCLL	0.0*	Code	IRC201	5/TPI2014	Matrix-S									
BCDL	10.0											Weight: 97 lb	FT = 20%	<u></u>
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP 1650F 1.5E of SP SS 2x4 SP 1650F 1.5E of SP SS 2x4 SP No.2 Structural wood shea 6-0-0 oc purlins, exo Rigid ceiling directly bracing. 1 Row at midpt (lb/size) 6=450/0-3 Max Horiz 8=-128 (LI Max Uplift 6=-17 (LC	or 2x4 SP No.1 or 2x or 2x4 SP No.1 or 2x athing directly applie cept end verticals. applied or 10-0-0 oc 3-7 3-8, 8=450/0-3-8 C 10) 12), 8=-17 (LC 13)	5) x4 (x4 6) 7) cd or c 8) 9)	This truss ha load of 12.0 (overhangs m This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Provide mec bearing plate 8 and 17 lb u This truss is International R802.10.2 ar	s been designed osf or 2.00 times f on-concurrent with s been designed ad nonconcurrent as been designed n chord in all area by 1-00-00 wide w by other members hanical connection c capable of withst uplift at joint 6. designed in accor Residential Code and referenced stan Standard	for greate flat roof lo n other lin for a 10.0 with any d for a liv as where ill fit betw n (by oth- tanding 1 rdance wi sections ndard AN	er of min roo pad of 10.0 p /e loads.) psf bottom other live load e load of 20. a rectangle /een the bott ers) of truss 7 lb uplift at ith the 2015 R502.11.1 a ISI/TPI 1.	f live sisf on ads. Opsf to joint and						
FORCES	(lb) - Maximum Com Tension	pression/Maximum		()										
TOP CHORD	1-2=0/54, 2-3=-392/9 4-5=0/54, 2-8=-551/4	90, 3-4=-392/90, 48, 4-6=-551/48												
BOT CHORD	7-8=-120/158, 6-7=-	19/42										minin	1111	
WEBS	3-7=-47/142, 2-7=-1	1/236, 4-7=-11/236										WHILL CA	Dall	
NOTES												ATT	. SU	11. 1
 Unbalance this design Wind: ASC Vasd=91m II; Exp B; I cantilever plate grip I TCLL: ASC DOL=1.15 Lumber DO Partially E: Unbalance design. 	ed roof live loads have CE 7-10; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (en left and right exposed DOL=1.60 CE 7-10; Pr=20.0 psf (Plate DOL=1.15); Pf= OL=1.15 Plate DOL=1. xp.; Ct=1.10 ad snow loads have be	been considered for (3-second gust) DL=6.0psf; h=30ff; C vvelope) exterior zon ; Lumber DOL=1.60 roof live load: Lumbe 10.0 psf (flat roof sn .15); Category II; Exp en considered for th	r Cat. er ow: p B; is							William.		SEA 0363	L 22 E.E.R 11,202	Annun an



Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.	
Hoener	T8A	Common	10	1	Job Reference (optional)	152514639

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:49 ID:9zydH7H30kHcEYwA0peYvKz8zZF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

-1-3-0 9-0-0 6-8-8 1-3-0 2-3-8 6-8-8 4x6= 3 3x6、 8 12 10 4 9-8-6 3x6 2 7-9-7 4-1-5 7 5 X 6 2x4 II 2x4 II 3x8= 6-8-8 9-0-0 + 6-8-8 2-3-8

Scale = 1:59.8

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 10.0 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	5/TPI2014	CSI TC BC WB Matrix-S	0.63 0.27 0.07	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.12 0.00	(loc) 6-7 6-7 5	l/defl >999 >888 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 86 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP 1650F 1.5E c SP SS 2x4 SP 1650F 1.5E c SP SS 2x4 SP No.2 Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly is bracing. 1 Row at midpt 3 (Ib/size) 5=257/ Me Max Horiz 7=165 (LC Max Uplift 5=-109 (LC Max Grav 5=354 (LC (Ib) - Maximum Comp Tension	or 2x4 SP No.1 or 2x or 2x4 SP No.1 or 2x athing directly applie ept end verticals. applied or 10-0-0 oc 3-6 cchanical, 7=322/0-3 12) C 12) C 12) C 12) C 26), 7=439 (LC 2) pression/Maximum	5) 4 6) 7) d or 8) 9) 4-8 10 LC	This truss ha load of 12.0 p overhangs no This truss ha chord live loa * This truss h on the bottom 3-06-00 tall b chord and an Refer to gird Provide mecl bearing plate joint 5. 1) This truss is International R802.10.2 ar DAD CASE(S)	s been designed osf or 2.00 times f on-concurrent with s been designed ad nonconcurrent ias been designed n chord in all area by 1-00-00 wide w by other members ar(s) for truss to tr hanical connection is capable of withst designed in accor Residential Code and referenced star Standard	for greate flat roof lo n other lin for a 10.0 with any d for a liv is where ill fit betw russ conr n (by oth tanding 1 dance wi sections ndard AN	er of min roo bad of 10.0 p ve loads.) psf bottom other live loa e load of 20. a rectangle ween the bott nections. ers) of truss 09 lb uplift a ith the 2015 R502.11.1 a ISI/TPI 1.	f live ads. Opsf om to t					
TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2) Wind: ASC	1-2=0/54, 2-3=-194/2 2-7=-385/0, 4-5=-369 6-7=-165/82, 5-6=0/0 3-6=-141/61, 2-6=-28 ad roof live loads have I	 .6, 3-4=-120/50, .9/98 .9/170, 4-6=-67/275 been considered for (3-second cust) 									1 III	ORTH CA	ROLL

- Wind: AŠCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- Caltilieven leit and right exposed , edited and right exposed and rindex exposed and right exposed and rindex e
- 4) Unbalanced snow loads have been considered for this design.





Job	Truss	Truss Type	Qty	Ply	Brad Cummings- Hoener Job.				
Hoener	T8AE	Common Supported Gable	1	1	Job Reference (optional)	152514640			

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:49 ID:ZYemv9KyJffB5?elhxBFXzz8zZC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:60.9

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 10.0 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	5/TPI2014	CSI TC BC WB Matrix-S	0.10 0.04 0.14	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 90 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP 16 SP SS 2x4 SP 16 SP SS 2x4 SP N 2x4 SP N Structural 6-0-0 oc p Rigid ceili bracing, 6-0-0 oc b 1 Row at (lb/size) Max Horiz	650F 1.5E 0 650F 1.5E 0 0.2 0.2 1 wood shea ourlins, exc ing directly Except: oracing: 10 9=116/9-0 11=139/9- 11=165 (L 2, 20 / L	or 2x4 SP No.1 or 2x or 2x4 SP No.1 or 2x athing directly applied cept end verticals. applied or 10-0-0 oc -11. 6-7, 5-8 0, 8=130/9-0-0, 0-0, 10=135/9-0-0, -0-0 .C 12) -(2) = 60.4 C 12)	2) 4 3) d or 4) 5) 6) 7)	Wind: ASCE Vasd=91mpl II; Exp B; En cantilever lef plate grip DC Truss desig only. For stu see Standar or consult qu TCLL: ASCE DOL=1.15 P Lumber DOL Partially Exp Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir	7-10; Vult=115m r; TCDL=6.0psf; iclosed; MWFRS it and right exposed bl=1.60 med for wind load wids exposed to w d Industry Gable valified building dv r-10; Pr=20.0 psi late DOL=1.15); I i=1.15 Plate DOL ; Ct=1.10 snow loads have as been designed psf or 2.00 times on-concurrent will es continuous bo	ph (3-set BCDL=6. (envelopped; Lumi s in the p ind (norm End Deta esigner a sf (roof lin Pf=10.0 p =1.15); C been col for great flat roof l th other li tho ther li	cond gust) cond gust) cond gust) pops(; h=30ft; (; a) exterior zor per DOL=1.60 lane of the tru al to the face ils as applical s per ANSI/TF e load: Lumb sf (flat roof sr rategory II; Ex nsidered for th pad of 10.0 p: ve loads. d bearing.	Cat. ne;) uss), ble, PI 1. er now: cp B; nis live sf on					
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design	(lb) - Max Tension 2-11=-29 3-4=-74/7 6-7=-65/3 10-11=-16 5-8=-123/ 2-10=-148 ed roof live I n.	10=-302 (7=110 (LC 9=230 (LC 11=311 (L imum Com 0/94, 1-2=0 (2, 4-5=-59), 19 33/82, 9-10 (5, 4-9=-13, 3/295 oads have	 (15), 3-30 (LC 2), 1(2,7), 1(0) 8) , 9) ,), 11 11 /1 /1 12	Truss to be f braced agair Gable studs)) This truss ha chord live loa)) * This truss h on the bottor 3-06-00 tall b chord and ar 2) Provide mec bearing platt 11, 29 lb upl uplift at joint 3) This truss is International R802.10.2 a DAD CASE(S)	ully sheathed from ast lateral movem spaced at 2-0-0 d as been designed ad nonconcurrent nas been designe n chord in all are by 1-00-00 wide v ay other members hanical connectic e capable of withs ift at joint 7, 60 lb 10. designed in acco Residential Code nd referenced sta Standard	m one fac ent (i.e. c oc. for a 10. with any d for a lin as where vill fit betw s, with BC on (by oth standing 7 uplift at j rdance w e sections undard AN	e or securely liagonal web) D psf bottom other live loa e load of 20.0 a rectangle veen the botto DL = 10.0psf ers) of truss t 3 lb uplift at j joint 9 and 300 ith the 2015 s R502.11.1 a USI/TPI 1.	ds. Dpsf om i. o oint 2 lb nd		Mr. and the		SEA 0363	L 22

June

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type		Ply	Brad Cummings- Hoener Job.				
Hoener	T8E	Common Supported Gable	1	1	Job Reference (optional)	152514641			

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:49 ID:2IC86VKa4zn2i9DxFfiU4Az8zZB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:59.2

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 10.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-R	0.29 0.15 0.14	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: 128 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS TOP CHORD BOT CHORD WEBS REACTIONS	6-16=-184/0, 5-1; 3-19=-206/177, 7 9-13=-205/176 roof live loads ha 5.7-10; Vult=115m h; TCDL=6.0psf; tand right expose to and right exposed to and right exposed root and root and root and root and root and root and the and right exposed to and root and root and the and root	7=-134/70 -15=-134, ave been (ave been (ave been (b) (3-sec BCDL=6.1 (envelope ed; Lumt is in the p ind (norm End Deta esigner a: sf (roof liv Pf=10.0 p L=1.15); C been cor l for great flat roof la to other liv so otherwittom chor m one fac	I, 4-18=-135/9 (70, 8-14=-135) considered for cond gust) Ops; h=30ft; C e) exterior zom- ber DOL=1.60 (ane of the true al to the face) is as applicab s per ANSI/TP e load: Lumbes of (flat roof sm ategory II; Exp isidered for th er of min roof 1 op ad of 10.0 ps ve loads. se indicated. d bearing. e or securely isonal web	1, //91, 2at. e; ss , e; ble, 11. er ow: p B; is live f on	 13) Probea bea join lb u join 13. 14) This Inte R8C LOAD (vide me ring pla t 20, 430 plift at j5 t 15, 58 s truss is rnationa j2,10.2 a CASE(S	chanic te capa 3 lb upli lb uplif lb uplif l Resica and ref) Star	al connection (by ble of withstandii ift at joint 12, 49 401 lb uplift at joint t at joint 14 and 3 ned in accordance dential Code sect erenced standard ndard	others) of truss to ng 439 lb uplift at b uplift at joint 17, 58 int 19, 49 lb uplift at i99 lb uplift at joint with the 2015 ions R502.11.1 and J ANSI/TPI 1.			
FORCES	(lb) - Maximum Con Tension	npression/Maximum	10) Gable studs 11) This truss h chord live lo	spaced at 2-0-0 o as been designed ad nonconcurrent	oc. I for a 10.0 t with any) psf bottom	ls				SEA	
BOT CHORD	2-20=-269/217, 1-2: 3-4=-71/113, 4-5=-5 6-7=-41/180, 7-8=-5 9-10=-184/195, 10- 19-20=-65/63, 18-11 16-17=-65/63, 15-11 13-14=-65/63, 12-13	=0/54, 2-3=-185/196, 51/147, 5-6=-41/180, 51/146, 8-9=-70/112, 11=0/54, 10-12=-268/2 9=-65/63, 17-18=-65/6 6=-65/63, 14-15=-65/6 3=-65/63	12) * This truss on the botto 16 3-06-00 tall 3, chord and a 3,	has been designe m chord in all are by 1-00-00 wide v ny other members	ed for a liv as where vill fit betv s, with BC	e load of 20.0 a rectangle veen the botto DL = 10.0psf.	psf m		1100 m	A A A A A A A A A A A A A A A A A A A		EER. KIN



A 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	Brad Cummings- Hoener Job.	
Hoener	T8G	Common Girder	1	3	Job Reference (optional)	152514642

Run: 8.53 S Apr 27 2022 Print: 8.530 S Apr 27 2022 MiTek Industries, Inc. Mon Jun 13 14:27:50 ID:eFdjlj7Lmx_q?8hQYoNkCtz8zYA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

6-8-8 13-5-0 6-8-8 6-8-8 5x6= 2 7 8 12 10 9-8-6 4x6 4x6、 1 3 4-1-5 6 4 X 5 9 10 4x6 II 4x6 🛛 6x8= HTU26 MUS26 MUS26 6-8-8 13-5-0 -F 6-8-8 6-8-8

Scale = 1:60.9

Plate Offsets (X, Y): [4:Edge,0-3-8],	[5:0-4-0,0-4-0]												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 10.0 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	5/TPI2014	CSI TC BC WB Matrix-S	0.46 0.58 0.12	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.19 0.00	(loc) 4-5 4-5 4	l/defl >999 >816 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 353 lb	GRIP 244/190 FT = 20%	
BCDL LUMBER TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS NOTES 1) 3-ply truss (0.131"x3" Top chord staggered Bottom ch staggered Bottom ch staggered Web conn 2) All loads a except if n CASE(5) provided t	10.0 2x6 SP No.2 2x6 SP 2400F 2.0E SP M 31 2x4 SP No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (lb/size) 4=3762/0 Max Horiz Max Uplift 4=520 (L Max Uplift 4=520 (L Max Grav 1-2=-1561/330, 2-3= 1-6=-1762/318, 3-4= 5-6=-137/122, 4-5=- 2-5=-294/1535, 1-5= 3-5=-199/1144 at obe connected toge) nails as follows: s connected as follows: at 0-9-0 oc, 2x4 - 1 ro ords connected as follows: at 0-5-0 oc. ected as follows: 2x4 - 1 ro ords connected as follows: 2x4 - 1 ro ords connected as follows: 2x4 - 1 ro ords connected equally otest in the only loads	or 2x6 SP DSS or 2x athing directly applie cept end verticals. applied or 6-0-0 oc -3-8, 6=1179/0-3-8 C 8) C 12), 6=-224 (LC 1: -C 25), 6=1499 (LC 2: -1670/302 35/175 -238/1369, ther with 10d s: 2x6 - 2 rows w at 0-9-0 oc. ows: 2x6 - 3 rows -1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LO rections have been noted as (F) or (B).	4) 46 57 66 77 33) 89 91 10 11 12 12 12 12 12 12 12 12 12	 Wind: ASCE Vasd=91mph II; Exp B; En cantilever lef plate grip DC TCLL: ASCE DOL=1.15 P Lumber DOL Partially Exp Unbalanced design. This truss ha chord live loa a This truss ha chord live loa a This truss ha chord live loa baring plate joint 6 and 52 This truss is International R802.10.2 ai Use Simpsor 11-10dx1 1/2 end to conne Use Simpsor Truss) or eqt 11-0.12 from to back face Fill all nail ho Dcad + Snc Increase=1 	7-10; Vult=115mp n; TCDL=6.0psf; B closed; MWFRS (t and right expose DL=1.60 57-10; Pr=20.0 psi late DOL=1.15); P =1.15 Plate DOL= .; Ct=1.10 snow loads have B is been designed f ad nonconcurrent has been designed n chord in all area by 1-00-00 wide win y other members. hanical connectior e capable of withst 20 lb uplift at joint designed in accord Residential Code nd referenced star n Strong-Tie HTU2 2 Truss) or equival ext truss(es) to bac n Strong-Tie HTU2 2 Truss) or equival ext truss(es) to bac n Strong-Tie HTU3 uivalent spaced at t the left end to 13. of bottom chord. bles where hanger Standard bw (balanced): Lur .15	bh (3-sec GDL=6. envelope d; Lumb f (roof liv f=10.0 p =1.15); C been cor for a 10.1 with any d for a liv s where ill fit betw h anding 2 4. dance w sections ndard AN 26 (20-11 26 (20-11 26 (20-20) -3-4 to c is in cor mber Inc	cond gust) Dpsf; h=30ft; (a) exterior zor per DOL=1.60 re load: Lumb sf (flat roof sr iategory II; Ex asidered for th D psf bottom other live load e load of 20.0 a rectangle veen the botto ers) of truss t 124 lb uplift at 124 lb uplift at 124 lb uplift at 124 lb uplift at 124 lb uplift at 125 R502,11.1 a ISI/TPI 1. 5G Girder, 0-12 from the f bottom chord d Girder, 6-10 c max. starting onnect truss(i trasse=1.15, F	Cat. he; o er how: up B; his ds. Opsf o nd e left d. o g at es) ber. Plate		Vert: 4=	-1158	Weight: 353 lb (B), 9=-1845 (B), (B), 9=-1845 (B), (C), 9=-1845 (B), (C), 9=-1845 (C), (C), 9=-1845 (C), 9=-1845 (C), (C), 9=-1845 (C), 9=-1845 (C), 9=-1845	FT = 20% 10=-1150 (B RO L 22	
unless oth 3) Unbalance this desigr	erwise indicated. ed roof live loads have n.	been considered for		Uniform Loads (lb/ft) Vert: 1-2=-40, 2-3=-40, 4-6=-20 Concentrated Loads (lb) June								13,2022	S	



