Job		Truss		Truss	Туре		Qty		Ply					
23090033 -	Elev B	A1		Hip C	Girder		1		1	Job Referer	ice (optiona	al)		
Carter Compone	nts, Sanford, N	C, user				Run: 8.63 S D	ec 22 2022	Print: 8 ID:cx9	3.630 S Dec ?xAs6JTXX	22 2022 MiTek UqFvtuXRjydu	Industries, In R?-ye7nQ?x	ic. Thu Sep 14 1 dJk3TWVPpZf0	16:12:34 I68hhTNjSPAVZsV7	Page: 1 dKQVydqPz
		-1-0-0					1 10							34-0-0
			5-0-0		9-6-2 1-6-2	<u>, 14-2-1</u> 4-7-14	18-	- <u>9-15</u> 7-14		<u>23-5-14</u> 4-7-14	2	8-0-0 1-6-2	<u> </u>	
		1-0-0					NA	ILED						1-0-0
				NA	ILED	NAILED	NAILED		NA	LED	NAILED	NAILE	ED	
			NA	ILED	NAILE	D NAILED	3x5=	N/	AILED	NAILED	١	NAILED		
9 4			9 <sup>12</sup> 5	x6=	3x	10= 2	2x4 II	30	3x8=	25 36 37	3x5=	5x6	)= D	
4 6	-		0-1=14= 3				P	×						
ထု ထု ထု			TI W	'1	AW2 W	13 W2 1	<b>№</b> 3	w2	W3	WZ	W3 W	20 W	The second	
4-9- 4-2 4-2					*/									<
	0-7- <u>6</u> 1		+W1	<u> </u>	<b>B</b> 11 nn [			nn B2			₩		HW	
<u> </u>			1:	9 x6=	40 411 2:	8 42 17 43 «4∎	16 44 4	45	46 15 4 2x4 II	14 48	1349	50 12 4x6	2 )=	
		620	sıı Spi	ecial	NAILE	MT20HS 8x12 =	10		Ν	1T20HS 8x12 =	۰ <i>.</i> ۲	NAILED		0X81
				NA	NLED	NAILED	x10= NA	ILED		LED NAILED	3x5=	Spec	ial	
						NAILED	NAILED	147			NAILED			
Scale = 1:62.7		-	4-10-4	<u>, 9</u>	-6-2 -7-14	, 14-2-1 4-7-14	18-	-9-15 7-14		23-5-14 4-7-14	28	8-1-12	<u>33-0-0</u> 4-10-4	$\rightarrow$
Plate Offsets (2	X, Y): [2:0-3-8	3,Edge]	, [3:0-3-0,0-2-2], [9:	0-3-0,0-2	2-2], [10:0-3-	8,Edge]								
Loading		(psf)	Spacing		2-(	0-0 <b>CSI</b>		DEF	L	in (loc)	l/defl L/	d PLATES	GRIP	
TCLL (roof) Snow (Pf/Pg)	18.9	20.0 /20.0	Plate Grip DOL Lumber DOL		1. 1.	15 TC 15 BC	0.99 0.79	Vert Vert	(LL) -0 (CT) -0	).27 15-16 ).55 15-16	>999 24 >715 18	0 MT20 0 MT20HS	244/190 187/143	
TCDL BCLL		10.0 0.0*	Rep Stress Incr Code	IRC	ו 2018/TPI20	NO WB 14 Matrix-MSH	0.73	Horz	z(CT) (	0.16 10	n/a n/	a		
BCDL		10.0										Weight: 1	82 lb FT = 20%	
LUMBER TOP CHORD	2x4 SP No.1	l *Excei	ot* T2:2x4 SP No.2	I	BOT CHORI	2-19=-310/2744, 40-41=-462/4342	, 19-40=-46 2, 18-41=-4	52/434 462/43	42, 342,	10) This Inter	truss is des national Re	signed in acco sidential Cod	ordance with the 2 e sections R502.	2018 11.1 and
BOT CHORD WEBS	2x4 SP 2400 2x4 SP No.3	0F 2.0E				18-42=-462/4342 17-43=-462/4342	2, 17-42=-4 2, 16-43=-4	462/43 462/43	342, 342,	R802 11) Grap	2.10.2 and i hical purlin	referenced sta representatio	andard ANSI/TPI on does not depic	1. t the size
WEDGE	Left: 2x4 SP Right: 2x4 S	No.3 P No.3				16-44=-517/508 45-46=-517/508	9, 44-45=-5 9, 15-46=-5	517/50 517/50	089, 089,	or the botto	e orientatio m chord.	n of the purlin	along the top an	d/or
BRACING	Structural w	and she	athing directly ann	ied or		15-47=-517/508 14-48=-517/508	9, 14-47=-{ 9, 13-48=-{	517/50 517/50	089, 089,	12) "NAI (0.14	_ED" indica 8"x3.25") te	ates 3-10d (0. oe-nails per N	148"x3") or 3-12c IDS guidlines.	1
	2-6-3 oc pui 2-0-0 oc pui	lins, ex lins (2-0	cept )-5 max ) <sup>.</sup> 3-9			13-49=-426/432	5, 49-50=-4 5, 10-12=-2	426/43 240/27	325, 719	13) Hang provi	jer(s) or oth ded sufficie	ner connection ent to support	n device(s) shall l concentrated loa	be d(s) 407 lb
BOT CHORD	Rigid ceiling	directly	applied or 10-0-0	oc	WEBS	3-19=-121/1776, 4-18=0/254, 4-10	, 4-19=-22 <sup>-</sup> 6=-114/102	12/252 24, 5-1	2, 16=-448/17	dowr 71, upat	and 60 lb 27-11-4 o	up at 5-0-0, a n bottom cho	and 407 lb down rd. The design/se	and 60 lb election of
WEBS	1 Row at mi	dpt mmend	4-19, 8-12 s that Stabilizers an	d		7-13=-1037/118, 8-12=-2206/250,	8-13=0/91 9-12=-12	1, 1/1777	7	sucn LOAD C	connection ASE(S) St	andard	the responsibility	of others.
	required cro	oss brac	cing be installed dur	ring	NOTES 1) Unbalan	ced roof live loads h	nave been	consid	dered for t	1) Dea his Incr	d + Snow ( ease=1.15	(balanced): Lu	umber Increase=1	1.15, Plate
	Installation	guide.			design. 2) Wind: As	SCE 7-16; Vult=130	mph (3-sec	cond g	gust)	Unit V	orm Loads ert: 1-3=-48	(lb/ft) 8, 3-9=-58, 9-	11=-48, 20-23=-2	0
REACTIONS	(lb/size) 2= 10	=2173/0 )=2173/	-3-8, (min. 0-2-0), 0-3-8, (min. 0-2-0)		Vasd=10 II; Exp B	; Enclosed; MWFR	st; BCDL=6 S (envelope	e); cai	; n=25ft; C ntilever lef	at. Con t V	centrated L ert: 3=-49,	₋oads (lb) 6=-45, 19=-3]	78, 12=-378, 9=-4	19,
	Max Horiz 2= Max Uplift 2=	=82 (LC =-212 (L	10) C 8), 10=-212 (LC	7)	Lumber	DOL=1.60 plate grip	DOL=1.3	a rigni 3	e DOL =1.1	2	6=-45, 27= 5=-45, 36=	-45, 29=-45, 3 -45, 38=-45, 3	30=-45, 32=-45, 3 39=-45, 40=-40, 4	33=-45, 1=-40,
FORCES	Max Grav 2=	=2415 (I comp /M	LC 2), 10=2414 (LC lax_Ten All forces	2)	Plate DC	DL=1.15); Pg=20.0 p	osf; Pf=18.9	9 psf (	(Lum	5 4 4	2=-40, 43= 8=-40, 49=	-40, 44=-40, 4 -40, 50=-40	45=-40, 46=-40, 4	7=-40,
TOP CHORD	(lb) or less e 2-3=-3467/3	xcept w	hen shown. 3=-2640/310	200	Exp.; Ce	=0.9; Cs=1.00; Ct=	, 15–1.0, R 1.10, Lu=5	0-0-0;	Min. flat	у				
	26-27=-2642	2/310, 4 532, 28	-27=-2642/310, -29=-5054/532.		exposed	surfaces with slope	es less than	1 0.50	0/12 in					
	29-30=-5054 5-31=-5054/	4/532, 5 532, 6-3	-30=-5054/532, 31=-5054/532.		4) Unbalan	ced snow loads hav	re been co	nsider	red for this					
	6-32=-5054/ 33-34=-5054	532, 32 4/532, 7	-33=-5054/532, -34=-5054/532.	:	5) This trus	s has been designe	d for great	er of r	min roof liv	/e				
	7-35=-4309/ 36-37=-4309	464, 35 9/464, 8	-36=-4309/464, -37=-4309/464,		overhan	gs non-concurrent w	vith other li	ve loa	ids.					
	8-38=-2643/ 9-39=-2640/	310, 38 310, 9-	-39=-2642/310, 10=-3468/372		7) All plate:	s are MT20 plates u	nless other	wise	indicated.	sf				
					on the b	ottom chord in all ar	eas where	a rec	tangle					
					chord ar 9) One H2	id any other membe	Tie conne	ctore	LIG DOLLOH					
					recomm	ended to connect true at it(s) 2 and 10 Th	uss to bear	ing wa	alls due to	nlv				
					and doe	s not consider latera	al forces.	5115		y				

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	A2	Нір	1	1	Job Reference (optional)

Run: 8.63 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:35 Page: 1 ID:juN3W?cxG0uVzGkDAy0c4HyduRK-NDpw21\_VcfR1Nz7OEoapmJJ\_xwVXNwNJB5r\_1qydqPw



Scale = 1:61.2

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

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code IF	2-0-0 1.15 1.15 YES RC2018/TPI2014	CSI           TC         0.97           BC         0.70           WB         0.47           Matrix-MSH	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.29 -0.48 0.10	(loc) 11-13 11-13 8	l/defl >999 >822 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 165 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS	2x4 SP No.2 *Excep 2x4 SP No.1 *Excep 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she except 2-0-0 oc purlins (2-7 Rigid ceiling directly bracing. 1 Row at midpt MiTek recommends required cross brac truss erection, in ac Installation guide.	ot* T4:2x4 SP No.1 ot* B2:2x4 SP 2400F 2.0E eathing directly applied, 7-4 max.): 3-7. 7 applied or 10-0-0 oc 4-13, 6-9 s that Stabilizers and cing be installed during ccordance with Stabilizer	<ul> <li>2) Wind: ASCE Vasd=103m</li> <li>II; Exp B; Er</li> <li>Exterior(2E)</li> <li>Exterior(2R)</li> <li>Exterior(2R)</li> <li>33-0-0 zone</li> <li>vertical left a forces &amp; MW</li> <li>DOL=1.60 p</li> <li>3) TCLL: ASCE</li> <li>Plate DOL=</li> <li>DOL=1.15 F</li> <li>Exp.; Ce=0.1</li> <li>roof snow lo</li> <li>exposed sur</li> <li>accordance</li> <li>4) Unbalanced</li> </ul>	7-16; Vult=130mph (3-seph; TCDL=6.0psf; BCDL= inclosed; MWFRS (envelop -0-11-7 to 2-4-3, Interior , 7-0-0 to 11-8-0, Interior ( 26-0-0 to 30-8-0, Interior ( 40-0 to 3	cond gust) 6.0psf; h=25fi he) and C-C 1) 2-4-3 to 7-1 1) 11-8-0 to 2t (1) 30-8-0 to xposed ; end members and ; Lumbor L: Lum DOL= 9 psf (Lum tough Cat B; 1 50-0-0; Min. fi ge applied to n 0.500/12 in onsidered for 1	t; Cat. 0-0, 6-0-0, 1 1.15 Fully at all this					
REACTIONS	(lb/size) 2=1258/0 8=1212/ M Max Horiz 2=106 (LC Max Grav 2=1529 (L (lb) - Max Comp /M	-3-8, (min. 0-1-13), Mechanical, (min. 0-1-8) C 12) _C 45), 8=1503 (LC 45) ax Ten - All forces 250	<ul> <li>design.</li> <li>5) This truss ha load of 12.0 overhangs n</li> <li>6) Provide ade</li> <li>7) * This truss</li> </ul>	as been designed for great psf or 2.00 times flat roof ion-concurrent with other quate drainage to preven has been designed for a	ter of min roo load of 13.9 p ive loads. water pondin	f live osf on Ig. Onof					
TOP CHORD	(b) or less except w 2-20=-2173/56, 3-20 3-21=-1672/126, 21- 4-22=-1674/126, 4-5 5-6=-2669/93, 6-23= 23-24=-1676/124, 7 7-25=-2084/96, 25-2 8-26=-2176/63	267/2007/2007/2007/2007/2007/2007/2007/2	<ul> <li>a) This truss is</li> <li>b) This truss is</li> <li>chord and a</li> <li>a) Refer to gird</li> <li>c) This truss is</li> <li>c) This trusp is</li> <li>c) This trusp</li></ul>	m chord in all areas wher by 2-00-00 wide will fit be ny other members, with B ler(s) for truss to truss con designed in accordance I Residential Code section and referenced standard A	ween the bott CDL = 10.0ps inections. with the 2018 is R502.11.1 a NSI/TPI 1.	tom if. and					
BOT CHORD	2-13=-78/1699, 13-2 12-27=-15/2544, 11- 10-11=-7/2544, 10-2 9-28=-7/2544, 8-9=(	27=-15/2544, -12=-15/2544, 28=-7/2544, 0/1702	or the orient bottom chor LOAD CASE(S)	ation of the purlin along th d. Standard	e top and/or	5120					
WEBS	3-13=0/993, 4-13=-1 6-11=0/287, 6-9=-11	1166/90, 4-11=0/288, 63/90, 7-9=0/994									
NOTES											

NOTES1) Unbalanced roof live loads have been considered for this design.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	A3	Нір	1	1	Job Reference (optional)

Run: 8.63 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:35 Page: 1 ID:gHVqxheCod8DCZtcHN34AiyduRI-NDpw21\_VcfR1Nz7OEoapmJJ?ZwRPNx9JB5r\_1qydqPw

-1-0-0 4-6-5 9-0-0 16-6-0 24-0-0 28-5-11 33-0-0 4-5-11 7-6-0 7-6-0 4-6-5 4-5-11 4-6-5 4x8= 3x8= 4x8= 0-1-14 25 26 4 23 24 5 6 7-4-6 0-1=14=  $\bowtie$  $\sim$  $\sim$ 9<sup>12</sup> 2x4 💋 2x4 3 7 ∡ 7-2-8 7-2-8 7-9-8 27 28 21<sup>22</sup> 8 THW1 HW1 0-7-6 B' 12 29 13 30 10 9 11 4x6 II 3x8= 4x5= 4x5= 3x8= 2x4 II 4x6 II 8-10-4 16-6-0 24-1-12 33-0-0 8-10-4 7-7-12 7-7-12 8-10-4

Scale = 1:61.4

### Plate Offsets (X, Y): [4:0-4-0,0-1-6], [6:0-4-0,0-1-6]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code IF	2-0-0 1.15 1.15 YES RC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.93 0.90 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.27 0.09	(loc) 11-13 11-13 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 184 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS	2x4 SP No.2 *Excep 2x4 SP No.2 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she 3-11-1 oc purlins, ez 2-0-0 oc purlins (2-2 Rigid ceiling directly bracing. 1 Row at midpt MiTek recommends required cross brac truss erection, in ad Installation quide	eathing directly applied or kcept 2-0 max.): 4-6. 7 applied or 10-0-0 oc 5-13, 5-9 8 that Stabilizers and king be installed during scordance with Stabilizer	<ul> <li>2) Wind: ASCE Vasd=103m II; Exp B; En Exterior(2E) Exterior(2R) 33-0-0 zone vertical left a forces &amp; MW DOL=1.60 p</li> <li>3) TCLL: ASCE Plate DOL=*</li> <li>DOL=1.15 P Exp.; Ce=0.5 roof snow lo exposed sur accordance</li> <li>4) Urbalanced</li> </ul>	7-16; Vult=130mpj bh; TCDL=6.0psf; E closed; MWFRS (e -0-11-7 to 2-4-3, In 9-0-0 to 13-8-0, In 24-0-0 to 28-7-1, I cantilever left and nd right exposed;C (FRS for reactions ate grip DOL=1.33 7-16; Pr=20.0 psf; late DOL=1.15); Is 0; Cs=1.00; Ct=1.11 ad governs. Rain s faces with slopes le with IBC 1608.3.4.	h (3-sec 3CDL=6 envelope terior (1 terior (1 nterior ( right ex C-C for r shown; (roof LL Pf=18.9 =1.0; Re 0, Lu=55 surcharg ess thar	cond gust) .0psf; h=25fi a) and C-C ) 2-4-3 to 9-1 ) 13-8-0 to 2: 1) 28-7-1 to posed ; end nembers and Lumber .: Lum DOL= a) psf (Lum ough Cat B; I) D-0-0; Min. fil; b) co-0; Min. fil; a) co-0; Min. fil; a) co-0; Min. fil; b) co-0	t; Cat. 0-0, 4-0-0, 1 1 1.15 Fully at all					
REACTIONS ( FORCES TOP CHORD BOT CHORD WEBS	(lb/size) 2=1238/0 8=1192/ M Max Horiz 2=134 (LC Max Grav 2=1555 (L (lb) - Max. Comp./M (lb) or less except w 2-21=-2005/92, 21-2 3-22=-1932/117, 3-4 4-23=-1512/140, 23 5-24=-1512/140, 23 5-24=-1512/140, 23 5-24=-1514/139, 5-2 25-26=-1513/138, 6 6-7=-1909/129, 7-27 27-28=-1939/108, 8 2-13=-90/1570, 12-' 11-29=0/2075, 11-30 9-10=0/2075, 8-9=-4 3-13=-317/119, 4-13 5-11=0/414, 5-9=-75	-3-8, (min. 0-1-13), Aechanical, (min. 0-1-8) C 14) LC 46), 8=1495 (LC 46) ax. Ten All forces 250 then shown. 22=-1944/106, 1=-1907/122, -24=-1513/140, 25=-1513/138, -26=-1513/139, 7=-1935/117, -28=-2009/92 13=0/2075, 12-29=0/2075, 0=0/2075, 10-30=0/2075, 10/1548 =0/807, 5-13=-759/80, 58/80, 6-9=0/808,	<ul> <li>design.</li> <li>This truss hat load of 12.0 overhangs n</li> <li>Provide ades</li> <li>Provide ades</li> <li>This truss la on the botton 3-06-00 tall i chord and ai</li> <li>Refer to gird</li> <li>This truss is International R802.10.2 a</li> <li>Graphical puper or the orient bottom chord</li> <li>LOAD CASE(S)</li> </ul>	as been designed for psf or 2.00 times fit on-concurrent with quate drainage to p has been designed n chord in all areas by 2-00-00 wide will y other members, er(s) for truss to tru designed in accorc Residential Code a nd referenced stan rifin representation ation of the purlin a b. Standard	or great at roof le other lip orevent v for a liv s where I fit betv with BC uss com Jance w sections dard AN does no long the	er of min roo bad of 13.9 p ve loads. water pondin e load of 20. a rectangle veen the bott DL = 10.0ps ith the 2018 \$ R502.11.1 a ISI/TPI 1. bt depict the a top and/or	f live ssf on g. Opsf tom f. and size					
NOTES												

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

Job	Tru	ISS	Truss Type		Qty		Ply					
23090033 - E	lev B A4		Hip		1		1	Job Reference (optic	onal)			
Carter Components	s, Sanford, NC, us	er	•	Run: 8.63 S	Dec 22 2022 F	Print: 8.	630 S Dec	22 2022 MiTek Industries	, Inc. Thu S	ep 14 16:12:36	6	Page: 1
					IC	D:8T3C	91eqYxG4	ıjSor5aJiwyduRH-rPMIGI	N_7NzZu_6	∂iaoV52JXrENł	KqH6NmSQlbX	ZGydqPv
	-1-( 	)-0  . 5-6-5	l. 11-0-0	l.	16-6-0	i.	22-(	)-0   2	7-5-11	l.	33-0-0	L
	1-0	5-6-5	1 5-5-11	ť	5-6-0	1	5-6	-0 1 :	5-5-11	ł	5-6-5	1
				4x8=		3x8=		4x8=				
→ 0 <u>→</u> 6 4			0.	4	25	52	26	6				
8			12		/	凩	12					
			91				$\langle \rangle$		$\geq$			
			3x5 ¢							3x5∢		
~ ~ ~ ~			3 1	W3	yv4	W5	WA	w3	X	728		
					9/		/	*	/			
		23	w1 W2						W2	w1	29	
		22										80
	2											8
	0-7- <u>6</u> 1		B1		21	10 10	32			0 B1		
		_	15 2x4∎	14 13 3x8=	31	12 2x4 II	Ċ	32 11 10 3x5=		9 2x4॥		4x6॥
		4x6 II		3x5=				3x8=				
		5-6-5	10-10-4	└	16-6-0	+	22-1	-12 2	27-5-11		33-0-0	
Scale = 1:61.6		5-6-5	I 5-3-15		5-7-12		5-7	-12   -12	5-3-15		5-6-5	
Plate Offsets (X,	Y): [4:0-4-0,0-1	-6], [6:0-4-0,0-1-6]		_								
Loading	(psf	) Spacing	2	-0-0 CSI	0.67	DEF		in (loc) l/defl	L/d PL	ATES	GRIP	
Snow (Pf/Pg)	20.0 18.9/20.0	) Lumber DOL		1.15 IC 1.15 BC	0.67	Vert( Vert(	LL) -U CT) -0	.10 12-14 >999	240 MT 180	20	244/190	
TCDL BCU	10.0 0 (	) Rep Stress Incr	IRC2018/TPI2	/ES WB 014 Matrix-MSH	0.46	Horz	(CT) C	.08 8 n/a	n/a			
BCDL	10.0								We	ight: 207 lb	FT = 20%	
LUMBER			2) Wind: A	SCE 7-16; Vult=1	30mph (3-sec	ond g	ust)					
TOP CHORD 2 BOT CHORD 2	2x4 SP No.2 2x4 SP No.2		Vasd=1 II; Exp	03mph; TCDL=6.0 B; Enclosed; MWF	)psf; BCDL=6 RS (envelope	.0psf; e) and	h=25ft; C: C-C	at.				
WEBS 2	2x4 SP No.3	2	Exterio	(2E) -0-11-7 to 2-4	1-3, Interior (1 8-0 Interior (1	) 2-4-3 1) 15-8	3 to 11-0-( 3-0 to	),				
F	Right: 2x4 SP N	o.3	22-0-0, to 33-0	Exterior(2R) 22-0-	-0 to 26-8-0, li	nterior	(1) 26-8-	0				
BRACING TOP CHORD	Structural wood	sheathing directly applie	ed or vertical	left and right expo	sed;C-C for n	nembe	ers and					
	3-7-9 oc purlins	except (4-7-7 max): 4-6	DOL=1	.60 plate grip DOL	=1.33	Lumpe	er					
BOT CHORD	Rigid ceiling dire	ectly applied or 10-0-0 o	c 3) TCLL: / Plate D	ASCE 7-16; Pr=20. OL=1.15); Pg=20.	.0 psf (roof LL 0 psf; Pf=18.9	.: Lum ) psf (l	DOL=1.1 _um	5				
WEBS	1 Row at midpt	5-14, 5-10	DOL=1	.15 Plate DOL=1.1 e=0.9: Cs=1.00: C	5); Is=1.0; Ro t=1.10, Lu=50	ough C )-0-0:	Cat B; Full Min. flat	y				
	MiTek recomme required cross	ends that Stabilizers and pracing be installed duri	roof sn	ow load governs. I	Rain surcharg	e app	lied to all					
	truss erection, i	n accordance with Stabi	ilizer accorda	ance with IBC 1608	8.3.4.	• •						
	o/size) 2=121	8/0-3-8 (min 0-1-14)	4) Unbala design.	nceu snow Ioads h	ave been cor	isiuere						
	8=117	2/ Mechanical, (min. 0-1 2/ IC 12)	1-8) 5) This tru load of	ss has been desig 12.0 psf or 2.00 tir	ned for greate nes flat roof lo	er of m bad of	nn roof liv 13.9 psf o	e on				
M	ax Grav 2=157	'9 (LC 46), 8=1539 (LC	46) overha 46) 6) Provide	ngs non-concurren adequate drainad	t with other liv to prevent v	/e load vater i	ds. ponding.					
FORCES (	lb) - Max. Comp lb) or less exce	o./Max. Ten All forces 2 ot when shown	250 7) * This t	russ has been des	igned for a liv	e load	of 20.0ps	f				
TOP CHORD	2-22=-2142/68,	22-23=-2119/75, 3-24=-17/9/119	3-06-00	tall by 2-00-00 wi	de will fit betw	/een tl	he bottom					
4	4-24=-1619/154	, 4-25=-1292/169,	8) Refer to	o girder(s) for truss	to truss conr	DL =	10.0pst. 1s.					
5	5-25=-1294/169 5-26=-1292/168	, 5-26=-1294/167, , 6-27=-1620/159,	9) This tru Interna	ss is designed in a ional Residential (	accordance wi	th the R502	2018 2.11.1 and					
7	7-27=-1750/124 28-29=-1960/10	, 7-28=-1938/106, 3, 29-30=-2048/85.	R802.1	0.2 and referenced	d standard AN	ISI/TP	I 1. ict the size	<b>`</b>				
	3-30=-2146/76	14 15- 46/1705	or the c	rientation of the pu	urlin along the	top a	nd/or	•				
1	13-14=0/1544, 1	3-31=0/1544, 12-31=0/	1544, LOAD CAS	E(S) Standard								
1 9	ı∠-32=0/1544, 1 9-10=-19/1639,	1-32=0/1544, 10-11=0/1 8-9=-19/1639	1544,									
WEBS 3	3-14=-509/100, 5-12=0/322, 5-1	4-14=0/713, 5-14=-464/ 0=-464/80, 6-10=0/714,	80,									
7 NOTES	7-10=-514/101	. ,										
1) Unbalanced design.	roof live loads h	nave been considered fo	or this									



Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.85 0.96 0.70	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.49 -0.57 0.11	(loc) 20-22 20-22 9	l/defl >813 >691 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 200 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP No.1 *Excep 2.0E, T1:2x4 SP No. 2x4 SP No.1 *Excep 2x4 SP No.3 *Excep 2x4 SP No.3 *Excep Left: 2x4 SP No.3 Structural wood she except 2-0-0 oc purlins (5-6 Rigid ceiling directly bracing, Except: 2-2-0 oc bracing: 14 4-11-0 oc bracing: 1 MiTek recommends required cross brac truss erection, in ac Installation guide.	ot* T3:2x4 SP 2400F .2 .2 ot* B2,B3:2x4 SP No.2 ot* W3:2x4 SP No.2 eathing directly applied, 6-2 max.): 5-6. applied or 10-0-0 oc I-18. 5-19 s that Stabilizers and cing be installed during occordance with Stabilizer	<ol> <li>Unbalanced design.</li> <li>Wind: ASCE Vasd=103m II; Exp B; Er Exterior(2E) Exterior(2R) 20-0-0, Exterior to 33-0, Exterior vertical left a forces &amp; MV DOL=1.60 p</li> <li>TCLL: ASCE Plate DOL= DOL=1.15 F Exp.; Ce=0. roof snow lo exposed sur accordance</li> <li>Unbalanced</li> </ol>	roof live loads have roof live loads have ph; TCDL=6.0psf closed; MWFRS -0-11-7 to 2-4-3, 13-0-0 to 17-8-0 rior(2R) 20-0-0 tc toone; cantilever le and right exposed VFRS for reaction late grip DOL=1.1 7-16; Pr=20.0 p 1.15); Pg=20.0 ps late DOL=1.15); 9; Cs=1.00; Ct=1 ad governs. Rain faces with slopes with IBC 1608.8	ave been on hph (3-sec f; BCDL=6 (envelops Interior ( b, Interior ( c 24-8-0, 1 ft and right; C-C for r as shown; 33 (c-C for f s shown; 34 (c-C for f s shown; 35 (c-C for f s shown; 3 (c-C for f s shown; (c-C for f) (c-C for f)	considered f cond gust) copsf; h=25f a) and C-C ) 2-4-3 to 1; 1) 17-8-0 to nterior (1) 2: tt exposed; ; nembers an Lumber c: Lum DOL= Digf (Lum Dough Cat B; 0-0-0; Min. f ge applied to n 0.500/12 ir psidered for	for this ft; Cat. 3-0-0, 4-8-0 end d =1.15 Fully lat b all this					
REACTIONS	(lb/size) 2=1396/0- 9=1396/0- Max Horiz 2=195 (LC Max Grav 2=1980 (L	-3-8, (min. 0-2-5), -3-8, (min. 0-2-5) C 14) -C 48), 9=1980 (LC 50)	design. 5) This truss ha load of 12.0 overhangs r 6) 200 0lb AC	as been designed psf or 2.00 times on-concurrent wi	d for great flat roof le ith other lin	er of min roo oad of 13.9   ve loads.	of live psf on 6-6-0					
FORCES	(lb) - Max. Comp./Ma	ax. Ten All forces 250	from left end	I, supported at tw	/o points,	5-0-0 apart.	0-0-0					
TOP CHORD	(lb) or less except w 2-29=-2739/0, 29-30 3-31=-2390/0, 4-31= 5-32=-1648/4, 32-33 3-34=-1648/4, 6-7=- 8-36=-2390/0, 8-37= 9-38=-2739/0	hen shown. =-2667/0, 3-30=-2554/0 =-2303/0, 4-5=-2231/0, 3=-1648/4, 55=-1648/4, -2231/0, 7-36=-2303/0, =-2554/0, 37-38=-2667/0	<ul> <li>7) Provide ade</li> <li>8) All plates and</li> <li>9) * This truss on the botto 3-06-00 tall chord and a</li> <li>10) This truss is internationa</li> </ul>	quate drainage to e 3x5 MT20 unles has been designe m chord in all are by 2-00-00 wide v ny other member designed in acco I Residential Cod	o prevent ss otherwi ed for a liv eas where will fit betw s, with BC ordance w le sections	water pondir se indicated re load of 20 a rectangle veen the bot CDL = 10.0ps ith the 2018 s R502.11.1	ng. I. .Opsf ttom sf. and					
BOT CHORD	2-22=-41/2243, 21-2 20-39=0/1809, 18-39 14-40=0/1687, 13-40 11-12=0/2115, 9-11= 17-41=-1407/0, 16-1 16-42=-1407/0, 15-4	22=0/2243, 20-21=0/2243 9=0/1809, 14-18=0/2866 0=0/1687, 12-13=0/2115 e0/2115, 19-41=-1407/0, 17=-1407/0, 42=-1407/0	<ol> <li>R802.10.2 a</li> <li>Th) Graphical puor</li> <li>or the orient bottom chor</li> <li>LOAD CASE(S)</li> </ol>	nd referenced sta urlin representation ation of the purlin d. Standard	andard AN on does no a along the	ISI/TPI 1. ot depict the e top and/or	size					
WEBS	19-20=-20/551, 5-19 13-15=-20/550, 3-20 8-13=-583/160, 17-1 18-19=0/1463, 14-10	9=0/1046, 6-15=0/1046, )=-582/160, 18=-274/22, 6=-274/22, 14-15=0/1463	3									
NOTES												

		-							-				
Job		Truss	1	russ Ty	/pe		Q	У	Ply				
23090033 -	Elev B	A6	F	Piggyb	ack Base		3		1	Job Referen	ce (optional)	)	
Carter Component	nts, Sanford, N	C, user				Run: 8.63	3 S Dec 22 202	Print:	8.630 S Dec	22 2022 MiTek I	ndustries, Inc.	Thu Sep 14 16:12:3	B7 Page: 1
			100					ID:Y	JGmLsuNr4d	DEF0_e0HX3M8	yduQz-Jcwg1j	24 O O	OLIK/FrmobtPK55jydqPu
				-0	12-	7-5	20-4-1	1	2	26-8-0	33-0-0	) 34-0-0	
			1-0-0 6-4	-0	6-3	-5 '	7-9-5		I I	6-3-5	6-4-0	1-0-0	
							4-0-0						
						MT18HS	10x12 ≉ 31 3	MT1	18HS 10x12 . 6	*			
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					9 <sup>12</sup> 3x5¢	12 Y			T T2	3x5			
					<sup>3x5</sup>	~				733			
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		0-	7-6 1 2			A CONT		3 ₩	5 WHAT (	)- <u>1118</u>		9 HWIE 10	
	-	$\uparrow$ $\downarrow$			Bf — 22	21 2085	18	B2 14	3613	12 11	B1		
			5x8ıı		2x4॥ 4	4x5= 4x8 II	3x5=	2x4	4 4x8 11 5 - 2x5 -	2x4	4u	5x8ıı	
						J.J.=	2471	3X	- 0.0=	x5=			
						11-8-12			23-0- 21-6-0	-0			
			6-4	-0	10-0-0		<u>)-0 19-0-(</u>	) p	21-3-4	26-8-0	33-0-0	)	
0 1 100			' 6-4	-0	' 3-8-0	1-6-0 2-3	-4 ' 5-0-0	1	2-3-4 "	3-8-0	6-4-0	I	
Scale = 1:86						0-2-9			0-2-9 <u>1-6-</u>	0			
Plate Offsets ()	X, Y): [2:0-3-	8,Edge],	[5:0-8-11,0-1-14], [6:0-	·8-11,0·	-1-14], [9:0-3-	8,Edge], [1	5:0-3-8,0-2-0]	[19:0-	-3-8,0-2-0]				
Loading		(psf)	Spacing		2-0-0	CSI		DE	FL	in (loc)	l/defl L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pa)	18.9	20.0 /20.0	Plate Grip DOL		1.15	TC BC	0.95	Ver Ver	t(LL) -0 t(CT) -0	).52 20-22 ) 61 20-22	>762 240 >645 180	MT20 MT18HS	244/190 244/190
TCDL		10.0	Rep Stress Incr		YES	WB	0.73	Ног	rz(CT) (	0.11 9	n/a n/a		
BCLL BCDI		0.0* 10.0	Code	IRC2	018/TPI2014	Matrix-MS	SH					Weight: 199 lb	FT = 20%
							-		-	· · ·		troigini too is	
LUMBER	2v4 SP No 1	2 *Evcon	+* T3·2v4 SP No 1	2)	Wind: ASCE Vasd=103m	57-16; Vult= ph: TCDL=	=130mph (3-s 6.0psf: BCDL=	econd 6.0ps	gust) f: h=25ft: C	at.			
BOT CHORD	2x4 SP No.2	2 2	10.224 01 110.1		II; Exp B; Er	nclosed; MV	VFRS (envelo	be) an	d C-C	r			
WEBS WEDGE	2x4 SP No.3 Left: 2x4 SF	3 *Excep 9 No.3	t* W3:2x4 SP No.2		Exterior(2E) Exterior(2R)	12-7-5 to 1	2-4-3, Interior 17-3-5, Interio	(1) 2-4 (1) 17	-3 to 12-7- 7-3-5 to	5,			
	Right: 2x4 S	SP No.3			20-4-11, Ext	erior(2R) 2	0-4-11 to 25-0	-11, In ft and	terior (1) right				
BRACING TOP CHORD	Structural w	ood she	athing directly applied		exposed ; e	nd vertical I	eft and right e	kpose	d;C-C for				
	except				members ar Lumber DO	nd forces & L=1.60 plate	MWFRS for re e arip DOL=1.	eactior 33	is shown;				
BOT CHORD	2-0-0 oc pu Rigid ceilind	rlins (2-2 g directly	-0 max.): 5-6. applied or 2-2-0 oc	3)	TCLL: ASCE	E 7-16; Pr=2	20.0 psf (roof	L: Lu	m DOL=1.1	5			
	bracing, E	xcept:	9 20 12 14		DOL=1.15 F	Plate DOL=	1.15); ls=1.0; l	Rough	Cat B; Full	у			
	<u>4-11-0 oc b</u>	racing: 1	5-19		Exp.; Ce=0.	9; Cs=1.00;	; Ct=1.10, Lu=	50-0-0	); Min. flat				
	MiTek reco	mmends	that Stabilizers and		exposed sur	faces with	slopes less th	an 0.50	00/12 in				
	truss erecti	ion, in ac	cordance with Stabilize	er 4)	This truss h	with IBC 16 as been de:	508.3.4. signed for grea	ater of	min roof liv	e			
	Installation	guide.			load of 12.0	psf or 2.00	times flat roo	load o	of 13.9 psf o	on			
REACTIONS	(lb/size) 2:	=1400/0- =1400/0	-3-8, (min. 0-2-3), -3-8 (min. 0-2-3)	5)	200.0lb AC	unit load pla	aced on the bo	ttom c	aus. chord, 16-6-	-0			
l	Max Horiz 2	=-192 (L	C 11)	6)	from left end Provide ade	d, supported quate drain	d at two points	, 5-0-0 t wate	) apart. r ponding				
FORCES	Max Grav 2:	=1869 (L	C 25), 9=1869 (LC 26)	7)	All plates ar	e MT20 pla	tes unless oth	erwise	indicated.				
FURGES	(lb) or less e	except w	hen shown.	, 8) 9)	All plates ar * This truss	e 3x5 MT20 has been d	unless other esigned for a	vise in ive loa	idicated. ad of 20.0ps	sf			
TOP CHORD	2-29=-2546	/0, 3-29= /0, 4-5=-	-2387/0, 3-30=-2230/0 2140/0, 5-31=-1600/0	, -7	on the botto	m chord in	all areas when	e a reo	ctangle				
	31-32=-160	0/0, 6-32	=-1600/0, 6-7=-2140/0	,	chord and a	ny other me	embers, with E	CDL =	= 10.0psf.				
	7-33=-2166/ 9-34=-2546/	/0, 8-33= /0	-2230/0, 8-34=-2387/0	, 10	) This truss is Internationa	designed i	n accordance	with th	e 2018 )2.11 1 and				
BOT CHORD	2-22=-40/20	)81, 21-2	2=0/2081, 20-21=0/20	81,	R802.10.2 a	and reference	ced standard A	NSI/T	PI 1.				
	14-36=0/163	-++, 10-38 36, 13-36	5=0/1636, 12-13=0/196	50, 11)	Graphical pi or the orient	urlin represe ation of the	entation does purlin along t	not de ne top	pict the size and/or	9			
	11-12=0/196	60, 9-11= 6/0_16-1	-0/1960, 19-37=-1396/ 7=-1396/0	Ο,	bottom chor	d.		·- 19					
	16-38=-139	6/0, 15-3	8=-1396/0	LO	AD CASE(S)	Standard							
WEBS	3-20=-480/1 6-15=0/960	152, 19-2 , 13-15=-	20=-12/468, 5-19=0/960 -12/467, 8-13=-480/153	), 3,									
	17-18=-277	/25, 18-1	9=0/1473,	,									
NOTES	14-10=-277	/24, 14-1	0-0/14/3										
1) Unbalance design.	d roof live loa	ads have	been considered for t	nis									

Truss	Truss	s Туре	Qty Ply	
v B A7	Half	Hip Girder	1 1	Job Reference (optional)
Sanford, NC, user		Run: 8.63 S Dec 22	2022 Print: 8.630 S Dec	22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:38 Page: 1
			ID:8073Hf39Y0	DZFvy3KrEBH45yduQl-JcwgTj?l8GilcGHnMDcHrkONZk81rlFbfPK55jydqPu
-1-0-0  0 1-0-0	<u>5-0-0 s</u> 5-0-0 4	9-7-7   14-2-13   4-7-7   4-7-7	<u>18-10-4</u> 4-7-7	23-5-11 28-1-1 33-0-0 4-7-7 4-7-7 4-10-15
			NAILED	
	NAILED	NAILED NAILED NAILED NAILED	NAILED NAILED	NAILED NAILED NAILED
	9 <sup>12</sup> 5x6= 0-1=14= 3 1 1 1 1 1 1 8 3 45=	3x5= 3x5= 22 234 24 25 26 5278 3x5= 72 3x5= 728 3x5=	3x5= 29 30 6 31 w w w we w we w	3x5= $3x5=$ $4x5=$ $2x4$ II 7 $32$ $833$ $34$ $9$ $35$ $36$ $1010$ $10$ $10$ $10$ $10$ $10$ $10$ $11$ $10$ $10$
6x8=	4x5- Special NA	NAILED NAILED NAILED NAIL	NAILED ED NAILI	5x6= NAILED NAILED ED NAILED NAILED
	4-10-4   4-10-4 1	<u>10-11-4</u> <u>16-4-9</u> 6-1-0 5-5-5	NAILED 21-9-14 5-5-5	NAILED NAILED 28-1-1 33-0-0 6-3-3 4-10-15
): [2:Edge,0-4-2], [3:0	-3-0,0-2-2]			
(psf) <b>Sp</b> 20.0 Pla 18.9/20.0 Lur 10.0 Re 0.0* Coo 10.0	acing tte Grip DOL mber DOL p Stress Incr de IR(	2-0-0 <b>CSI</b> 1.15 TC 1.15 BC NO WB C2018/TPI2014 Matrix-MSH	DEFL 0.77 Vert(LL) -C 0.89 Vert(CT) -C 0.83 Horz(CT) C	in (loc) I/defl L/d PLATES GRIP 0.22 15 >999 240 0.44 15 >902 180 0.10 11 n/a n/a Weight: 210 lb FT = 20%
4 SP No.2 *Except* T2 6 SP 2400F 2.0E *Exc 4 SP No.3 ft: 2x6 SP No.2 ructural wood sheathin 11-1 oc purlins, excep 0-0 oc purlins (2-4-11 n gid ceiling directly app acing. Row at midpt 4-18 iTek recommends that quired cross bracing b	2:2x4 SP No.1 cept* B3:2x6 SP No.2 ng directly applied or of end verticals, and max.): 3-10. lied or 10-0-0 oc s, 8-12, 9-11 t Stabilizers and be installed during	<ul> <li>WEBS 3-18=-105/1702, 4-18 4-17=0/866, 5-17=-70 8-14=-8/963, 8-12=-2 9-12=-21/1528, 9-11=</li> <li>NOTES</li> <li>1) Unbalanced roof live loads have design.</li> <li>2) Wind: ASCE 7-16; Vult=130mph Vasd=103mph; TCDL=6.0psf; BC II; Exp B; Enclosed; MWFRS (en and right exposed ; end vertical la Lumber DOL=1.60 plate grip DOI</li> <li>3) TCLL: ASCE 7-16; Pr=20.0 psf (r Plate DOL=1.15); Pg=20.0 psf; P DOL=1.15 Plate DOL=1.15); Is=<sup>-1</sup></li> </ul>	3=-2076/257, 03/141, 6-14=-779/169 011/242, 3195/321 been considered for th (3-second gust) CDL=6.0psf; h=25ft; C velope); cantilever left eft and right exposed; L=1.33 oof LL: Lum DOL=1.1 f=18.9 psf (Lum I.0; Rough Cat B; Full	<ul> <li>14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.</li> <li>15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 407 lb down and 60 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.</li> <li>LOAD CASE(S) Standard</li> <li>at. 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-48, 3-10=-58, 11-19=-20</li> <li>5 Concentrated Loads (lb) Vert: 3=-49, 18=-378, 17=-40, 15=-40, 14=-40, 12=-40, 9=-45, 22=-45, 23=-45, 25=-45, 26=-45.</li> </ul>
Iss erection, in accord           stallation guide.           ize)         2=2129/0-3-8, 11=2041/ Mec           : Horiz         2=119 (LC 10)           : Uplift         2=-209 (LC 8)	(min. 0-1-15), hanical, (min. 0-1-8) ) , 11=-239 (LC 8) 11=-2304 (LC 8)	<ul> <li>Exp.; Ce=0.9; Cs=1.00; Ct=1.10, roof snow load governs. Rain su exposed surfaces with slopes les accordance with IBC 1608.3.4.</li> <li>4) Unbalanced snow loads have be design.</li> <li>5) This truss has been designed for</li> </ul>	Lu=50-0-0; Min. flat rcharge applied to all s than 0.500/12 in en considered for this greater of min roof liv	28=-45, 29=-45, 30=-45, 31=-45, 32=-45, 33=-45, 34=-45, 35=-45, 36=-47, 37=-40, 38=-40, 39=-40, 40=-40, 41=-40, 42=-40, 43=-40, 44=-40, 45=-40, 46=-41
(Grav 2=2374 (LC 2) ) - Max. Comp./Max. T	), 11=2304 (LC 2) Fen All forces 250	load of 12.0 psf or 2.00 times flat overhangs non-concurrent with o	roof load of 13.9 psf of ther live loads.	n
) or less except when 3=-3453/366, 3-22=-26	shown. 659/306,	<ul><li>6) Provide adequate drainage to pre</li><li>7) All plates are 3x5 MT20 unless of</li></ul>	event water ponding. therwise indicated.	
23=-2659/306, 4-23= 24=-4529/465, 24-25= -26=-4529/465, 5-26= 29=-5028/502, 27-28= 29=-5028/502, 6-31=-4 30=-5028/502, 6-31=-4 30=-5028/502, 6-31=-4 31=-4452/432, 7-32=-4 32=-4452/432, 8-33=-2 34=-2532/269, 9-34= 8=-352/2734, 18-37= -38=-519/4250, 17-38 -39=-587/4977, 16-39 40=-587/4977, 15-40 41=-572/4921, 13-14 43=-466/4067, 12-45	-2661/307, -4529/465, -4529/465, -5028/502, =-5028/502, 4452/432, 4452/432, 2532/269, -2532/269, -2519/4250, =-519/4250, =-519/4250, =-587/4977, =-587/4977, =-587/4977, =-466/4067, =-466/4067, =-279/2519,	<ol> <li>* This truss has been designed for on the bottom chord in all areas v 3-06-00 tall by 2-00-00 wide will fe chord and any other members.</li> <li>9) Refer to girder(s) for truss to trus</li> <li>10) Provide mechanical connection (bearing plate capable of withstan 11.</li> <li>11) One H2.5A Simpson Strong-Tie of recommended to connect truss to UPLIFT at jt(s) 2. This connection does not consider lateral forces.</li> <li>12) This truss is designed in accorda International Residential Code se R802.10.2 and referenced standa</li> <li>13) Graphical purlin representation d or the orientation of the purlin alor</li> </ol>	or a live load of 20.0ps where a rectangle it between the bottom s connections. by others) of truss to ding 239 lb uplift at jo connectors b bearing walls due to n is for uplift only and nce with the 2018 ections R502.11.1 and ard ANSI/TPI 1. oes not depict the size ong the top and/or	sf int
	Truss           V B         A7           Sanford, NC, user           -1-0-0           -1-0-0           1-0           1-0           1-0           1-0           1-0           1-0           1-10      2	Truss       Trus         v B       A7       Half         Sanford, NC, user       Half         Sanford, NC, user       NAILED $1-0-0$ $5-0-0$ $1-0-0$ $5-0-0$ $1-0-0$ $5-0-0$ $1-0-0$ $5-0-0$ $1-0-0$ $5-0-0$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $0-1=34=$ $3$ $1-1$ $3$ $3$ $1-1$ $3$ $3$ $10.0$ $10.0$ $10.0$ <td>V B         A7         Truss         Truss Type           A7         Half Hip Girder           Sanford, NC, user         Run: 8.63 S Dec 22           -1-0-0         5-0-0         9-7-7         14-2-13           -1-0-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         3-05         505           -11-0         10-11-4         10-11-4         10-11-4           -10-0         5-0-5         10-11-4         10-11-4           -10-0         10-11-4         10-11-4         10-11-4           -10-0         10-11-4         10-11-4         10-11-4           -10-0         10-0         10-01-12</td> <td>V B         A7         Truss         Truss         Truss         Display         <thdisplay< th="">         Display         <thdisplay< th=""></thdisplay<></thdisplay<></td>	V B         A7         Truss         Truss Type           A7         Half Hip Girder           Sanford, NC, user         Run: 8.63 S Dec 22           -1-0-0         5-0-0         9-7-7         14-2-13           -1-0-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         4-7-7         4-7-7           -10-0         5-0-0         3-05         505           -11-0         10-11-4         10-11-4         10-11-4           -10-0         5-0-5         10-11-4         10-11-4           -10-0         10-11-4         10-11-4         10-11-4           -10-0         10-11-4         10-11-4         10-11-4           -10-0         10-0         10-01-12	V B         A7         Truss         Truss         Truss         Display         Display <thdisplay< th="">         Display         <thdisplay< th=""></thdisplay<></thdisplay<>

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	A8	Нір	1	1	Job Reference (optional)

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Scale = 1:89.9

Carter Components, Sanford, NC, user

### Plate Offsets (X, Y): [2:0-3-8,Edge], [5:0-3-0,0-2-2], [6:0-3-0,0-2-2], [9:0-3-8,Edge], [13:0-3-12,0-2-0], [19:0-3-12,0-2-0]

	., . /. [,3-],	, [], [	,], [,	9-],[,,],		,]						
<b>Loading</b> TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC 0 BC 0 WB 0 Matrix-MSH	.95 .96 .69	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.48 -0.56 0.11	(loc) 20-21 20-21 9	l/defl >830 >703 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 198 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP No.1 *Except 2.0E, T1,T5:2x4 SP 2x4 SP No.1 *Except 2x4 SP No.3 *Except Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she except 2-0-0 oc purlins (5-5 Rigid ceiling directly bracing, Except: 2-2-0 oc bracing: 15 4-11-0 oc bracing: 11 MiTek recommenda required cross brac	ot* T3:2x4 SP 2400F No.2 ot* B3,B2:2x4 SP No.2 ot* W3:2x4 SP No.2 eathing directly applied, 5-14 max.): 5-6. 7 applied or 10-0-0 oc 5-17. 13-19 s that Stabilizers and cing be installed during	<ol> <li>Unbalanced design.</li> <li>Wind: ASCE Vasd=103m II; Exp B; En Exterior(2E) Exterior(2R) 20-0-0, Exte to 33-0-0 zo vertical left a forces &amp; MW DOL=1.60 p</li> <li>TCLL: ASCE Plate DOL= DOL=1.15 P Exp.; Ce=0.9 roof snow lo exposed sur</li> </ol>	roof live loads have be 7-16; Vult=130mph (3 ph; TCDL=6.0psf; BCD Iclosed; MWFRS (enve -0-11-7 to 2-4-3, Interi 13-0-0 to 17-8-0, Interi iror(2R) 20-0-0 to 24-8 ne; cantilever left and i and right exposed; C-C VFRS for reactions sho late grip DOL=1.33 7-16; Pr=20.0 psf (roi 1.15); Pg=20.0 psf; Pf= late DOL=1.15); Is=1.4 9; Cs=1.00; Ct=1.10, L ad governs. Rain surce faces with slopes less	een co 3-secc DL=6.( elope) ior (1) rior (1 3-0, In right e for m for m	onsidered fo ond gust) 0psf; h=25ft ) and C-C 2-4-3 to 13 ) 17-8-0 to terior (1) 24 exposed ; er embers and .umber Lum DOL= psf (Lum ugh Cat B; f -0-0; Min. fit e applied to 0.500/12 in	cr this ; Cat. i-0-0, i-8-0 nd f :1.15 Fully at all					
REACTIONS ( FORCES TOP CHORD BOT CHORD	truss erection, in ad Installation guide. (lb/size) 2=1396/0 9=1349/0 Max Horiz 2=191 (LC Max Grav 2=1984 (L (lb) - Max. Comp./M (lb) or less except w 2-28=-2746/0, 28-25 3-30=-2399/0, 4-30= 5-31=-1655/6, 31-32 32-33=-1655/6, 33-3 6-34=-1655/6, 6-7=- 35-36=-2319/0, 8-36 9-37=-2753/0 2-21=-47/2242, 20-2 17-18=0/1806, 15-1 11-12=0/1694, 10-1 19-38=-1404/0, 16-5		<ul> <li>r accordance</li> <li>4) Unbalanced design.</li> <li>5) This truss ha load of 12.0 overhangs n</li> <li>6) 200.0lb AC t from left end</li> <li>7) Provide ade</li> <li>8) * This truss 1</li> <li>on the botton 3-06-00 tall i chord and ai</li> <li>9) This truss is 0, International R802.10.2 ai</li> <li>6, 10) Graphical pu or the orient bottom chorr</li> <li>LOAD CASE(S)</li> </ul>	with IBC 1608.3.4. snow loads have been as been designed for g psf or 2.00 times flat r ion-concurrent with oth unit load placed on the I, supported at two poi quate drainage to prev has been designed for m chord in all areas wh by 2-00-00 wide will fit ny other members, with designed in accordan I Residential Code sec nd referenced standar urlin representation doi ation of the purlin alon d. Standard	n cons greate oof loa botto nts, 5- vent w a live here a betwe h BCI cce wit titons d ANS es not g the	sidered for t r of min roo ad of 13.9 p e loads. m chord, 16 -0-0 apart. vater pondin e load of 20. a rectangle een the bott DL = 10.0ps SI/TPI 1. t depict the top and/or	this f live ssf on 6-6-0 g. Opsf dom f. and size					
WEBS	13-19=-1404/0, 14-2 13-39=-1404/0 3-20=-581/160, 19-2 6-13=0/1053, 11-13 16-17=-275/23, 17-7 14-15=-276/23, 13-7	20=-21/554, 5-19=0/105 =-24/557, 8-11=-588/162 19=0/1458, 15=0/1460	0, 2,									



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Scale = 1:89.6

Plate Offsets (X, Y): [2:0-3-8,Edg	e], [5:0-8-11,0-1-14]	, [6:0-8-11,0-1-14]	, [9:0-3-8,Edge],	[13:0-3-8,0-2-0], [19]	:0-3-8,0-2-0]
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Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code IF	2-0-0 1.15 1.15 YES RC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.94 0.98 0.74	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.52 -0.62 0.11	(loc) 10-11 10-11 9	l/defl >759 >641 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 197 lb	<b>GRIP</b> 244/190 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP No.2 *Excep 2x4 SP No.2 2x4 SP No.3 *Excep Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she except 2-0-0 oc purlins (2-7 Rigid ceiling directly bracing. Except: 4-11-0 oc bracing: 1 MiTek recommend: required cross brack truss erection, in an Installation guide	pt* T3:2x4 SP No.1 pt* W3:2x4 SP No.2 pathing directly applied, 2-0 max.): 5-6. y applied or 2-2-0 oc 13-19 s that Stabilizers and cing be installed during ccordance with Stabilizer	<ol> <li>Wind: ASCE Vasd=103m II; Exp B; En Exterior(2E) Exterior(2R) 20-4-11, Ext 25-0-11 to 3: exposed; er members an Lumber DOI</li> <li>TCLL: ASCE Plate DOL=' DOL=1.15 P Exp.; Ce=0.9: roof snow lo exposed sur accordance</li> </ol>	7-16; Vult=130m bc; TCDL=6.0psf; closed; MWFRS -0-11-7 to 2-4-3, 12-7-5 to 17-3-5, erior(2R) 20-4-11 3-0-0 zone; cantil do vertical left and d forces & MWFF =1.60 plate grip : 7-16; Pr=20.0 ps late DOL=1.15); Pg=20.0 ps late DOL=1.15); Pg=20.0 ps late DOL=1.15); Pg cs=1.00; Ct=1. ad governs. Rair faces with slopes with IBC 1608.3.4	ph (3-sec ; BCDL=6 (envelope (envelope (nterior (1 , Interior (1 to 25-0-1 ever left a d right exp RS for rea DOL=1.3; sf (roof LL f; Pf=18.9; Is=1.0; Rt 10, Lu=50 h surcharg; less thar 4.	cond gust) cond gust) and C-C ) 2-4-3 to 12 1) 2-4-3 to 12 1) 17-3-5 to 1, Interior (1) and right posed;C-C fo posed;C-C f	; Cat. -7-5, r 1, ; 1.15 Fully at all					
REACTIONS	(Ib/size) 2=1401/0 9=1354/0 Max Horiz 2=187 (Lt Max Grav 2=1871 (I	⊢3-8, (min. 0-2-3), ⊢3-8, (min. 0-2-2) C 10) LC 25), 9=1818 (LC 26)	<ul> <li>This truss has load of 12.0 overhangs n</li> <li>200.0lb AC to from left end</li> <li>Dravido ado</li> </ul>	as been designed psf or 2.00 times on-concurrent wil unit load placed o , supported at two	flat roof le flat roof le th other li n the bott o points,	er of min root oad of 13.9 p ve loads. tom chord, 16 5-0-0 apart.	sf on 6-6-0					
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250	7) All plates are	e MT20 plates un	less other	water portuin	y. ed.					
TOP CHORD	(lb) or less except w 2-28=-2550/0, 3-28 4-29=-2170/0, 4-5=- 30-31=-1603/0, 6-3 7-32=-2142/0, 8-32 9-33=-2554/0	/hen shown. =-2391/0, 3-29=-2234/0, -2144/0, 5-30=-1603/0, 1=-1603/0, 6-7=-2142/0, =-2235/0, 8-33=-2395/0,	<ul> <li>8) All plates are</li> <li>9) * This truss I</li> <li>on the botton</li> <li>3-06-00 tall</li> <li>chord and ar</li> <li>10) This truss is</li> </ul>	as been designed in chord in all are by 2-00-00 wide v by other members designed in according	ed for a liv as where will fit betw s, with BC	ise indicated. re load of 20. a rectangle veen the bott CDL = 10.0ps	0psf om f.					
BOT CHORD	2-21=-47/2077, 20-7 17-18=0/1739, 15-1 11-12=0/1640, 10-1 19-34=-1397/0, 16-3 14-16=-1397/0, 14-3 13-35=-1397/0	21=0/2077, 18-20=0/1739 7=0/2804, 12-15=0/1640, 1=0/1967, 9-10=0/1967, 34=-1397/0, 35=-1397/0,	<ul> <li>International R802.10.2 a</li> <li>Graphical pu or the orient bottom chore</li> </ul>	Residential Code nd referenced sta irlin representatio ation of the purlin d.	e sections andard AN on does no along the	SR502.11.1 a SI/TPI 1. ot depict the set top and/or	and size					
WEBS	3-20=-479/152, 8-1 19-20=-12/470, 5-19 11-13=-16/470, 16- 17-19=0/1475, 14-1	1=-486/153, 9=0/962, 6-13=0/963, 17=-278/25, 5=-277/24, 13-15=0/1473 e been considered for this	LOAD CASE(S)	Standard								

Job	Truss		Truss Type		Qt	y	Ply						
23090033 - El	lev B A10		Hip		1		1	Job Ref	ference (op	tional)			
Carter Components	, Sanford, NC, user			Run: 8.63	S Dec 22 2022	Print: 8	630 S Dec	22 2022 N	/iTek Industri	es, Inc.	Thu Sep 14 16:	12:40	Page: 1
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	-1-0-0	5-6-5	L 11-0-0		16-6-0	k	22-	0-0	L	27-5-1	11	33-0-0	ļ
	1 1 1-0-0	5-6-5	1 5-5-11	1	5-6-0	1	5-6	6-0	1	5-5-1	1 1	5-6-5	1
				4x8=		3x8=			4x8=				
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0	1-7- <u>6</u> 1	THW1	B1				32	÷				H	WI
<u> </u>			15	14 13	31	12	;	32 11	10		9		⊠
	4>	<б и	2x4 II	3x8= 3x5=		2X4 II		3X:	5= 3x8=		2841	I	4x6॥
		5-6-5		·	16-6-0		22-1	1-12		27-5-	11	33-0-0	
Scale = 1:61.6	1	5-6-5	1 5-3-15	1	5-7-12	1	5-7	-12	1	5-3-1	5	5-6-5	1
Plate Offsets (X,	Y): [4:0-4-0,0-1-6]	, [6:0-4-0,0-1-6]			-						-		
Loading	(psf)	Spacing	2	-0-0 <b>CSI</b>	0.67	DEF		in (lo	oc) l/defl	L/d	PLATES	GRIP	
Snow (Pf/Pg)	18.9/20.0	Lumber DOL	,	I.15 BC	0.73	Vert(	CT) -(	0.11 10- 0.19 10-	12 >999	180	WIT20	244/190	
TCDL BCLL	10.0 0.0*	Rep Stress Incr Code	IRC2018/TPI2	YES WB 014 Matrix-MS	0.46 H	Horz	(CT) (	0.08	8 n/a	n/a			
BCDL	10.0						-				Weight: 207	7 lb FT = 20%	
			2) Wind: A Vasd=1	SCE 7-16; Vult=	130mph (3-se	econd g	ust) h=25ft: C	at					
BOT CHORD 2	x4 SP No.2 x4 SP No.2		II; Exp	B; Enclosed; MW	FRS (envelo	be) and	C-C	o.					
WEBS 2 WEDGE L	eft: 2x4 SP No.3.		Exterior	(2E) -0-11-7 to 2 r(2R) 11-0-0 to 15	5-8-0, Interior	(1) 2-4-	3-0 to	0,					
	Right: 2x4 SP No.3		22-0-0, to 33-0-	•0 zone; cantileve	0-0 to 26-8-0, er left and righ	Interior nt expos	(1) 26-8- ed ; end	-0					
TOP CHORD	Structural wood sh	eathing directly applie	ed or forces &	left and right exp & MWFRS for rea	osed;C-C for octions showr	membe ; Lumb	ers and er						
	2-0-0 oc purlins (4-	7-7 max.): 4-6.	DOL=1 3) TCLL: A	.60 plate grip DO \SCE 7-16; Pr=2	L=1.33 0.0 psf (roof l	L: Lum	DOL=1.1	15					
	vigid celling direction pracing.		Plate D DOL=1	OL=1.15); Pg=20 .15 Plate DOL=1.	).0 psf; Pf=18 .15); Is=1.0; F	.9 psf (l Rough (	_um Cat B; Full	ly					
WEBS 1	MiTek recommend	5-14, 5-10 Is that Stabilizers and	Exp.; C	e=0.9; Cs=1.00; ow load governs.	Ct=1.10, Lu= Rain surcha	50-0-0; rge app	Min. flat lied to all	-					
1	required cross bra truss erection, in a	cing be installed durir ccordance with Stabi	ng expose lizer accorda	d surfaces with s ance with IBC 160	lopes less tha	an 0.500	)/12 in						
1	Installation guide.		4) Unbala	nced snow loads	have been c	onsider	ed for this	;					
REACTIONS (Ib	o/size) 2=1218/0 8=1172/0	)-3-8, (min. 0-1-14), )-3-8, (min. 0-1-13)	5) This tru	ss has been desi	gned for grea	ater of n	nin roof liv	/e					
Ma Ma	ax Horiz 2=162 (L ax Grav 2=1579 (	C 14) LC 46), 8=1539 (LC 4	overhai 46) 6) Drovida	igs non-concurre	ent with other	live loa	ds.						
FORCES (I	b) - Max. Comp./M	Max. Ten All forces 2	250 7) * This ti	russ has been de	signed for a l	ive load	of 20.0ps	sf					
TOP CHORD 2	-22=-2142/68, 22-	23=-2119/75,	on the I 3-06-00	oottom chord in a tall by 2-00-00 v	II areas wher vide will fit be	e a rect tween t	angle he bottom	ı					
34	-23=-1957/98, 3-2 -24=-1619/154, 4-	4=-1749/119, 25=-1292/169,	chord a 8) This tru	nd any other mei ss is designed in	mbers, with E accordance	CDL = with the	10.0psf. 2018						
5 6	-25=-1294/169, 5- -26=-1292/168, 6-	26=-1294/167, 27=-1620/159,	Internat R802.1	tional Residential 0.2 and reference	Code section ed standard A	ns R502 NSI/TP	2.11.1 and 1 1.	1					
7 2	7-27=-1750/124, 7- 8-29=-1960/103, 2	28=-1938/106, 29-30=-2048/85,	<ol> <li>Graphic or the c</li> </ol>	cal purlin represe	ntation does ourlin along tl	not dep ne top a	ict the size nd/or	e					
8 BOT CHORD 2	-30=-2146/76 -15=-91/1705, 14-	15=-46/1705	bottom	chord.									
1	3-14=0/1544, 13-3	31=0/1544, 12-31=0/1	1544, 544	E(3) Standard									
9 WEBS 2	-10=-19/1639, 8-9	=-19/1639	20										
vvLD3 3	-12=0/322, 5-10=-	464/80, 6-10=0/714,	50,										
7 NOTES	-10=-514/101												
1) Unbalanced	roof live loads hav	e been considered fo	r this										

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	A11	Нір	1	1	Job Reference (optional)

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ID:nWGJ6JbhkPenkyar2X\_8?syduRM-jBcp6k2eRB4KTk0M1LA?TN0rlx9a2CO2LNZli2ydqPr



Scale = 1:61.4

## Plate Offsets (X, Y): [4:0-4-0,0-1-6], [6:0-4-0,0-1-6]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCLL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code II	RC2018/TP	2-0-0 1.15 1.15 YES I2014	<b>CSI</b> TC BC WB Matrix-MSH	0.93 0.90 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.27 0.09	(loc) 11-13 11-13 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 184 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS	2x4 SP No.2 *Excep 2x4 SP No.2 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she 3-11-1 oc purlins, e) 2-0-0 oc purlins (2-2 Rigid ceiling directly bracing. 1 Row at midpt MiTek recommends required cross brac truss erection, in ac Installation guide.	bt* T2:2x4 SP No.1 eathing directly applied or xcept 2-0 max.): 4-6. <i>v</i> applied or 10-0-0 oc <u>5-13, 5-9</u> s that Stabilizers and cing be installed during ccordance with Stabilizer	<ol> <li>Wind Vasd: Vasd: L; Ex Exter 33-0-vertic force: DOL=</li> <li>TCLL Plate DOL=</li> <li>Exp.; roof s expos accor</li> <li>Unba</li> </ol>	ASCE =103m p B; Er ior(2E) ior(2R) ior(2R) 0 zone al left a s & MV =1.60 p : ASCE DOL= =1.15 F Ce=0. now lo sed sur dance	7-16; Vult=130mp ph; TCDL=6.0psf; iclosed; MWFRS ( -0-11-7 to 2-4-3, I 9-0-0 to 13-8-0, Ir 24-0-0 to 28-7-1, ; cantilever left and und right exposed; /FRS for reactions late grip DOL=1.3: 7-16; Pr=20.0 psf 1.15); Pg=20.0 psf 1ate DOL=1.15); I ate governs. Rain faces with slopes with IBC 1608.3.4 snow loads have	bh (3-sec BCDL=6 envelope nterior (1 Interior (1 Interior (1 Interior (2 dright ex C-C for r s shown; 3 f (roof LL ; Pf=18.9 s=1.0; R s=1.0; R 10, Lu=50 surcharg less thar	cond gust) .0psf; h=25f a) and C-C ) 2-4-3 to 9- ) 13-8-0 to 2 1) 28-7-1 to cposed ; end nembers and Lumber .: Lum DOL= 0 psf (Lum Dugh Cat B; 0-0-0; Min. fl ge applied to 1 0.500/12 in nsidered for	t; Cat. 0-0, 4-0-0, d =1.15 Fully at all this					
REACTIONS	(lb/size) 2=1238/0 8=1192/0 Max Horiz 2=134 (LC Max Grav 2=1555 (L	-3-8, (min. 0-1-13), -3-8, (min. 0-1-12) C 12) _C 46), 8=1495 (LC 46)	5) This t load overh	n. russ ha of 12.0 angs r	as been designed psf or 2.00 times f on-concurrent with	for great flat roof le h other lin	er of min roc oad of 13.9 p ve loads.	of live osf on					
FORCES TOP CHORD	(lb) - Max. Comp./M (lb) or less except w 2-21=-2005/92, 21-2 3-22=-1932/117, 3-4 4-23=-1512/140, 23 5-24=-1512/140, 23 5-26=-1513/138, 6 6-7=-1909/129, 7-27 27-28=-1939/108, 8	ax. Ten All forces 250 then shown. 22=-1944/106, 1=-1907/122, -24=-1513/140, 25=-1515/138, -26=-1513/139, 7=-1935/117, -28=-2009/92	<ul> <li>6) From</li> <li>7) * This on the 3-06-chord</li> <li>8) This t Interr R802</li> <li>9) Grapl or the</li> </ul>	truss botto 00 tall and a russ is ationa .10.2 a nical pu	nas been designed m chord in all area by 2-00-00 wide w ny other members designed in accor Residential Code nd referenced stau rin representation ation of the purlini	d for a liv as where ill fit betw , with BC dance w sections ndard AN n does no along the	velop bondin e load of 20 a rectangle veen the bot CDL = 10.0ps the 2018 S R502.11.1 SI/TPI 1. ot depict the e top and/or	ig. .0psf tom sf. and size					
BOT CHORD	2-13=-90/1570, 12-1 11-29=0/2075, 11-30 9-10=0/2075, 8-9=-4 3-13=-317/119, 4-13 5-11=0/414, 5-9=-75 7-9=-322/119	13=0/2075, 12-29=0/2075 )=0/2075, 10-30=0/2075, 40/1548 =0/807, 5-13=-759/80, 58/80, 6-9=0/808,	, botto LOAD CA	n chor \SE(S)	d. Standard								
1) Unbalance	ed roof live loads have	e been considered for this	;										

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	A12	Нір	1	1	Job Reference (optional)

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34-0-0 1-0-0 7-0-0 13-4-0 19-8-0 26-0-0 33-0-0 | 1-0-0 7-0-0 6-4-0 6-4-0 6-4-0 7-0-0 4x8= 3x5= 3x5= 3x5= 4x8= 5-10-6 ⊠\_5 6 \_24 25 -1-14 22 23 4 3 7 0-1<del>-14</del>  $\times$ 9<sup>12</sup> 6-3-8 5-8-8 5-8-8 21 26 HW1 HW1 0-7-6 101 IP1 Б, 5 B Ŕ 14 2713 28 12 29 1130 10 3x5= 5x6 WB = 3x5= 5x6 WB = 3x5= 4x8॥ 4x8॥ 6-10-4 16-6-0 26-1-12 33-0-0 6-10-4 9-7-12 9-7-12 6-10-4

Scale = 1:62.6

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

Loading	(nsf)	Spacing	2_0_0	180		DEEL	in	(loc)	l/defl	L/d	DI ATES	GRIP
TCLL (roof)	(psi)	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.28	12-14	>999	240	MT20	244/190
Snow (Pf/Pg)	18.9/20.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.48	12-14	>830	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.10	8	n/a	n/a		
BCLL	0.0*	Code I	RC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 169 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE	2x4 SP No.2 2x4 SP No.1 *Excep 2x4 SP No.3 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3	ot* B2:2x4 SP 2400F 2.0E	2) Wind: ASCE Vasd=103m E II; Exp B; En Exterior(2R) Exterior(2R) 33-11-7 zon vertical left a	7-16; Vult=130m; bh; TCDL=6.0psf; closed; MWFRS ( -0-11-7 to 2-4-3, I 7-0-0 to 11-8-0, Ir 26-0-0 to 30-8-0, s; cantilever left ar, ind right exposed;	oh (3-sec BCDL=6 (envelope nterior (1 Interior ( Interior ( nd right e C-C for r	cond gust) 0.0psf; h=25f e) and C-C I) 2-4-3 to 7- ) 11-8-0 to 2 1) 30-8-0 to exposed ; en nembers and	it; Cat. -0-0, 6-0-0, d d					
TOP CHORD	Structural wood she	athing directly applied,	forces & MW	/FRS for reactions	s shown;	Lumber						
BOT CHORD WEBS	except 2-0-0 oc purlins (2-7 Rigid ceiling directly bracing. 1 Row at midpt	7-4 max.): 3-7. v applied or 10-0-0 oc 4-14, 6-10	3) TCLL: ASCE Plate DOL= DOL=1.15 P Exp.; Ce=0.9 roof snow lo	tate grip DOL=1.3 7-16; Pr=20.0 ps 1.15); Pg=20.0 ps late DOL=1.15); ls 0; Cs=1.00; Ct=1.2 ad governs. Rain	3 if (roof Ll f; Pf=18.9 s=1.0; Ro 10, Lu=5 surcharg	L: Lum DOL= 9 psf (Lum pugh Cat B; 0-0-0; Min. fi ge applied to	=1.15 Fully lat all					
	Millek recommends	s that Stabilizers and	exposed sur	faces with slopes	less thar	n 0.500/12 in	1					
	truss erection in a	cordance with Stabilizer	accordance	snow loads have	boon coi	neidorod for	thic					
	Installation guide.		design.	Show loads have	been co	Isidered for	1113					
REACTIONS	(lb/size) 2=1258/0 8=1258/0 Max Horiz 2=-111 (L Max Grav 2=1533 (L	-3-8, (min. 0-1-13), -3-8, (min. 0-1-13) C 13) _C 45), 8=1533 (LC 45)	5) This truss ha load of 12.0 overhangs n 6) Provide ade 7) * This truss l	as been designed psf or 2.00 times f on-concurrent with quate drainage to nas been designed	for great flat roof l h other li prevent d for a liv	er of min roc oad of 13.9 j ve loads. water pondir ve load of 20	of live psf on ng. .0psf					
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250	on the botto	m chord in all area	as where	a rectangle	•					
TOP CHORD	(lb) or less except w 2-21=-2178/56, 3-2' 3-22=-1677/125, 22 4-23=-1678/124, 4-5 5-6=-2676/90, 6-24= 24-25=-1678/124, 7 7-26=-2149/89, 8-26	hen shown. 1=-2149/89, -23=-1678/124, 5=-2676/90, -1678/124, -25=-1677/125, 5=-2178/56	3-06-00 tall I chord and an 8) This truss is International R802.10.2 a 9) Graphical pu or the orient	by 2-00-00 wide w by other members designed in accor Residential Code nd referenced star rin representation ation of the purin	rill fit betw , with BC rdance w sections ndard AN n does no along the	veen the bot CDL = 10.0ps with the 2018 s R502.11.1 NSI/TPI 1. ot depict the e top and/or	tom sf. and size					
BOT CHORD	2-14=-71/1703, 14-2 13-27=-7/2550, 13-2 12-28=-7/2550, 12-2 11-30=0/2550, 10-3	27=-7/2550, 28=-7/2550, 29=0/2550, 11-29=0/2550 0=0/2550, 8-10=0/1703	bottom chore LOAD CASE(S)	d. Standard	3	,						
WEBS	3-14=0/997, 4-14=-7 6-12=0/290, 6-10=-7	1165/91, 4-12=0/290, 1165/91, 7-10=0/997										
<b>NOTES</b> 1) Unbalance	d roof live loads have	e been considered for this	5									



BCDL	10.0	Code	IRC2010/1F12014		Auto -0.07	24-30 -	2999 300	Weight: 302 lb FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS JOINTS	2x6 SP 2400F 2.0E 2x4 SP No.2 *Excep 2x4 SP No.3 *Excep SP No.2, W8:2x6 SI 2x4 SP No.3 Structural wood she 6-0-0 oc purlins (6-C Rigid ceiling directly bracing. Except: 6-0-0 oc bracing: 24 1 Row at midpt 1 Brace at Jt(s): 33, 35, 36, 37 MiTek recommends required cross brace	t bt* B2:2x4 SP No.3 bt* W9,W10,W11,W7:2 P No.2 eathing directly applied ccept end verticals, an 0-0 max.): 6-9. v applied or 10-0-0 oc 4-30 24-33, 9-21 s that Stabilizers and cing be installed during	WEBS 2x4 1) Unbalance design. 2) Wind: ASC Vasd=1037 II; Exp B; E Exterior(2E 18-9-9, Interior and right e C for mem shown; Lu 3) Truss desi only. For s	24-42=-61/277, 9-22=-16/4 12-18=-376/61, 2-31=0/80 39-40=-73/894, 15-40=-77/ 34-35=-47/256, 29-30=0/55 23-25=-743/9, 23-24=0/663 d roof live loads have been E 7-16; Vult=130mph (3-sec nph; TCDL=6.0psf; BCDL=6 inclosed; MWFRS (envelop :) -0-9-13 to 2-2-3, Interior ( :) 11-0-7 to 14-9-9, Exterior( erior (1) 18-9-9 to 25-8-4 zoi xposed ; end vertical left an- bers and forces & MWFRS f mber DOL=1.60 plate grip D gned for wind loads in the p tuds exposed to wind (norm	62, , 18-39=-75/903, 924, 8, 25-26=-39/334, ; considered for this cond gust) .0psf; h=25ft; Cat. a) and C-C I) 2-2-3 to 11-0-7, 2R) 14-9-9 to tilde exposed; C- or reactions OL=1.33 lane of the truss al to the face).	<ul> <li>12) One H recom</li> <li>UPLIF</li> <li>uplift of</li> <li>13) This tr</li> <li>Interna R802.<sup>1</sup></li> <li>14) Graph or the bottom</li> <li>15) Attic ro</li> <li>LOAD CA</li> </ul>	I2.5A Simps imended to a T at jt(s) 18 only and doe russ is desig ational Resid 10.2 and ref ical purlin re orientation o n chord. oom checke <b>SE(S)</b> Star	on Strong-Tie connectors connect truss to bearing walls due to , 16, and 17. This connection is for ses not consider lateral forces. Ined in accordance with the 2018 dential Code sections R502.11.1 and ferenced standard ANSI/TPI 1. epresentation does not depict the size of the purlin along the top and/or d for L/360 deflection. ndard
REACTIONS (lb) -	truss erection, in ar Installation guide. All bearings 6-1-8. ex Max Horiz 32=236 (I Max Uplift All uplift 1 16, 17 ex Max Grav All reactio (s) 17, 18 19=384 (I (Ib) - Max. Comp./M (Ib) or less except w 2-43=-1348/0, 3-43= 4-44=-1046/84, 4-55 6-7=-807/133, 7-8=- 9-10=-1018/129, 10 11-12=-1143/92, 12- 13-14=-1137/130, 15- 213=-2137/130, 15- 213=2-217/304, 29 28-29=0/1555, 26-2 22-23=0/625, 21-22 19-20=-93/841, 18- 27-30=-655/0, 25-27	Coordance with Stability Coordance with Stability Coopt 32=0-3-8 _C 10) 00 (lb) or less at joint( coept 18=-317 (LC 11) ons 250 (lb) or less at except 16=1040 (LC _C 33), 32=1430 (LC 2 ax. Ten All forces 25 then shown. =-1175/0, 3-44=-1062/ =-899/102, 5-6=-792/1 807/133, 8-9=-844/13 =-112=-1079/109, -13=-1058/142, 4-15=-1035/86, 5=-1035/79 -31=-1/1157, 8=0/1555, 23-26=0/15 =0/858, 20-21=-93/84 19=-93/841, 7=-744/0, 24-25=-365/	<ul> <li>see Standa or consult 4</li> <li>TCLL: ASC Plate DOL=1.15</li> <li>S) DOL=1.15 Exp.; Ce=( roof snow l exposed st accordance</li> <li>5) This truss 1 load of 12. overhangs</li> <li>56, 6) Provide ad 24, 7) All plates a</li> <li>8) Gable stud 9) * This truss on the bott 3-06-00 tal chord and</li> <li>10) Ceiling dea 34-41, 33-3</li> <li>11) Bottom chord chord dead</li> <li>25-27, 24-2</li> </ul>	ard Industry Gable End Deta qualified building designer a E 7-16; Pr=20.0 psf (roof LI =1.15); Pg=20.0 psf; Pf=18.3 Plate DOL=1.15); Is=1.0; R .9; Cs=1.00; Ct=1.10, Lu=5 oad governs. Rain surcharg urfaces with slopes less than e with IBC 1608.3.4. has been designed for great 0 psf or 2.00 times flat roof I non-concurrent with other I iequate drainage to prevent tre 2x4 MT20 unless otherw s spaced at 2-0-0 oc. c has been designed for a lix om chord in all areas where I by 2-00-00 wide will fit beth any other members. dl load (10.0 psf) on membe 34 ord live load (40.0 psf) and a I load (5.0 psf) applied only 25	ils as applicable, s per ANSI/TPI 1. :: Lum DOL=1.15 ) psf (Lum bugh Cat B; Fully D-0; Min. flat ge applied to all i 0.500/12 in er of min roof live bad of 13.9 psf on ve loads. water ponding. se indicated. re load of 20.0psf a rectangle veen the bottom er(s). 3-4, 4-41, additional bottom to room. 27-30,			





Scale = 1:87

#### Plate Offsets (X, Y): [2:0-3-0,0-1-12], [5:0-3-0,0-2-12], [7:0-3-0,0-2-1]

	, , , , , , , , , , , , , , , , , , , ,	J, L , J, L	- , -													
Loading	(psf)	Spacing		2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP			
TCLL (roof)	20.0	Plate Grip DOL		1.15	TC	0.63	Vert(LL)	-0.11	22	>999	240	MT20	244/190			
Snow (Pf/Pa)	18.9/20.0	Lumber DOL		1.15	BC	0.54	Vert(CT)	-0.23	23-24	>999	180					
TCDL	10.0	Rep Stress Incr		YES	WB	0.75	Horz(CT)	0.03	10	n/a	n/a					
BCLI	0.0*	Code IF	RC20	18/TPI2014	Matrix-MSH		Attic	-0.06	16-22	>999	360					
BCDI	10.0		.020				,	0.00		000	000	Weight <sup>.</sup> 259 lb	FT = 20%			
												Trongilli 200 lis				
LUMBER			NO	TES					14) Gra	ohical p	urlin re	presentation doe	es not depict the size			
TOP CHORD	2x6 SP 2400F 2 0F	*Except* T4·2x4 SP No 2	1)	Unbalanced	roof live loads h	ave been	considered fo	r this	or the orientation of the purlin along the top and/or							
BOT CHORD	2x4 SP No 2 *Excer	ot* B2·2x4 SP No 3	,	design.					botte	om chor	d.					
WEBS	2x4 SP No.3 *Excer	ot* W10.W11.W12.W7:2x4	12)	Wind: ASCE	7-16; Vult=130r	nph (3-seo	cond gust)		15) Attic	room c	hecke	d for L/360 defled	ction.			
	SP No.2, W8:2x6 S	P No.2		Vasd=103m	ph; TCDL=6.0ps	f; BCDL=6	.0psf; h=25ft;	Cat.	LOAD C	ASE(S)	Stan	dard				
BRACING	,			II; Exp B; En	closed; MWFRS	6 (envelop	e) and C-C			. ,						
TOP CHORD	Structural wood she	athing directly applied or		Exterior(2E)	-0-9-13 to 2-2-3	, Interior (	1) 2-2-3 to 11-	0-7,								
	5-2-6 oc purlins ex	cept end verticals and		Exterior(2E)	11-0-7 to 14-9-9	<ol><li>Exterior(</li></ol>	2R) 14-9-9 to									
	2-0-0 oc purlins (6-0	)-0 max.): 5-7.		19-0-7, Inter	ior (1) 19-0-7 to	25-8-4 zor	ne; cantilever	left								
BOT CHORD	Rigid ceiling directly	/ applied or 10-0-0 oc		and right exp	bosed ; end vert	Ical left and	d right expose	ed;C-								
	bracing. Except:			C for membe	ers and forces &	MWFRS 1	or reactions									
	6-0-0 oc bracing: 16	6-22	3)	TOUL ASCE	2 16: DUL= 1.60 p	ate grip D	· Lum DOI	1 1 5								
WEBS	1 Row at midpt	7-13, 8-13, 8-10	3)		1 15): Pa=20.0 p	of Df=18	a nef (Lum	1.15								
JOINTS	1 Brace at Jt(s): 25	,		DOI = 1.15 P	late DOI =1 15)	· ls=1 0· R	ough Cat B· F	ully								
	27		-	Exp.: Ce=0.9	9: Cs=1.00: Ct=1	1.10. Lu=5	0-0-0: Min. fla	an.y								
	MiTek recommende	s that Stabilizers and		roof snow lo	ad governs. Ra	in surchard	e applied to	all								
	required cross brac	cing be installed during		exposed sur	faces with slope	s less thar	0.500/12 in									
	truss erection, in a	ccordance with Stabilizer		accordance	with IBC 1608.3	.4.										
	Installation guide.		4)	This truss ha	as been designe	d for great	er of min roof	live								
REACTIONS	(lb/size) 10=844/1	Mechanical (min $0-1-8$ )		load of 12.0	psf or 2.00 time	s flat roof l	oad of 13.9 p	sf on								
REACTIONS	11=228/0	-3-8 (min 0-1-8)		overhangs n	on-concurrent w	ith other li	ve loads.									
	24=1097/	0-3-8. (min. 0-1-11)	5)	Provide ade	quate drainage t	o prevent	water ponding	<b>j</b> .								
	Max Horiz 24=238 (I	LC 12)	6)	All plates are	e 3x5 M I 20 unle	ess otherwi	se indicated.									
	Max Uplift 10=-52 (L	.C 13), 11=-156 (LC 9)	7)	^ I his truss i	nas been design	ied for a liv	e load of 20.0	Jpst								
	Max Grav 10=1189	(LC 26), 11=491 (LC 33),			n choru in all an	will fit bot	a reclarigie	<b>~</b> m								
	24=1436	(LC 26)		chord and a	by 2-00-00 wide	rs		JIII								
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250	8)	Ceiling dead	l load (10 0 nsf)	on membe	er(s) 3-4 4-26	3								
	(lb) or less except w	/hen shown.	0)	25-26				,								
TOP CHORD	2-28=-1373/0, 3-28	=-1218/0, 3-29=-1087/67,	9)	Bottom chor	d live load (40.0	psf) and a	dditional bott	om								
	4-29=-1071/101, 4-	5=-527/82, 5-6=-895/147,	,	chord dead l	oad (5.0 psr) ap	plied only	to room. 19-2	2,								
	6-7=-885/155, 7-30	=-1054/147,		17-19, 16-17	,											
	8-30=-1159/114, 2-2	24=-1354/1	10)	Refer to gird	er(s) for truss to	truss con	nections.									
BOT CHORD	23-24=-220/292, 21	-23=-13/1167,	11)	Provide med	hanical connect	ion (by oth	ers) of truss t	0								
	20-21=0/1602, 18-2	0=0/1602, $15-18=0/1602$ , $-0/955$ , $12, 12-122/964$		bearing plate	e capable of with	nstanding 5	52 lb uplift at j	oint								
	14-15=0/707, 15-14	-0/000, 12-10-122/004,		10.												
	19-22=-620/0 17-10	9 = -745/0 16-17 = -304/23	12)	One H2.5A	Simpson Strong-	lie conne	ctors	4-								
WEBS	3-22=-42/252 14-1	6=-485/19		recommende	ed to connect tru	iss to bear	ing walls due	to								
	16-27=-277/108. 6-2	25=-484/141.		doos not cor	(S) 11. This conf	IECTION IS TO	or uplift only a	Ina								
	7-14=-16/823, 8-11=	=-382/256, 4-26=-656/75.	13)	This trues is	designed in acc	ordance w	ith the 2018									
	25-26=-470/78, 2-23	3=0/853, 8-10=-1306/122,	13)	International	Residential Co	de sections	R502 11 1 a	nd								
	5-25=-79/733, 21-22	2=0/598, 15-16=0/670,		R802.10.2 a	nd referenced st	tandard AN	ISI/TPI 1.									
	17-18=-31/290, 15-	17=-679/0		u												

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	В3	Attic	1	1	Job Reference (optional)

Page: 1

Carter Components, Sanford, NC, user



2-3-8

Scale = 1:87

#### Plate Offsets (X, Y): [2:0-3-0,0-1-12], [5:0-3-0,0-2-12], [7:0-3-0,0-2-1]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code II	RC20	2-0-0 1.15 1.15 YES 18/TPI2014	CSI TC BC WB Matrix-MSH	0.63 0.54 0.75	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.11 -0.23 0.03 -0.06	(loc) 22 23-24 10 16-22	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 260 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS JOINTS	2x6 SP 2400F 2.0E 2x4 SP No.2 *Excep 2x4 SP No.3 *Excep SP No.2, W8:2x6 Si 2x4 SP No.3 Structural wood she 5-1-15 oc purlins, e 2-0-0 oc purlins, (6-0 Rigid ceiling directly bracing. Except: 6-0-0 oc bracing: 16 1 Row at midpt 1 Brace at Jt(s): 25,	*Except* T4:2x4 SP No.2 bt* B2:2x4 SP No.3 bt* W10,W11,W12,W7:2x4 P No.2 eathing directly applied or except end verticals, and 0-0 max.): 5-7. y applied or 10-0-0 oc 5-22 7-13, 8-13, 8-10	<ul> <li>WEBS 3-22=-42/252, 14-16=-488/20, 16-28=-279/110, 6-25=-486/142, 7-14=-19/823, 8-11=-356/279, 4-27=-655/74, 25-27=-469/78, 2-23=-0/852, 8-10=-1325/136, 5-25=-79/731, 21-22=0/598, 15-16=0/671, 17-18=-32/290, 15-17=-679/0</li> <li>NOTES NOTES</li> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-9-13 to 2-2-3, Interior (1) 2-2-3 to 11-0-7, Exterior(2E) 11-0-7 to 14-9-9, Exterior(2R) 14-9-9 to 19-0-7, Interior (1) 19-0-7 to 25-3-4 zone; cantilever left and right exposed; end vertical left and right exposed;C-</li> <li>11) One H2.5A Simpson Strong-Tie connector recommended to connect truss to bearing UPLIFT at jt(s) 11 and 10. This connection only and does not consider lateral forces 8202.10.2 and referenced standard ANS 13) Graphical purlin representation does not or the orientation of the purlin along the t bottom chord.</li> <li>14) Attic room checked for L/360 deflection. LOAD CASE(S) Standard</li> </ul>									onnectors bearing walls due to nection is for uplift forces. ce with the 2018 titons R502.11.1 and rd ANSI/TPI 1. es not depict the size ig the top and/or	
REACTIONS	28 MiTek recommends required cross brac truss erection, in ad Installation guide. (lb/size) 10=855/0 11=193/0 24=1096/ Max Horiz 24=242 (I Max Uplift 10=-56 (L Max Grav 10=1214 24=1434	s that Stabilizers and cing be installed during ccordance with Stabilizer -3-8, (min. 0-1-8), -3-8, (min. 0-1-8), 0-3-8, (min. 0-1-11) LC 10) .C 13), 11=-169 (LC 9) (LC 26), 11=460 (LC 33), (LC 26)	3)	C for member shown; Lum TCLL: ASCE Plate DOL=' DOL=1.15 P Exp.; Ce=0.9 roof snow lo exposed sur accordance This truss ha load of 12.0 overhangs n	posed, end vento ers and forces & M ber DOL=1.60 pla 7-16; Pr=20.0 ps [.15]; Pg=20.0 ps late DOL=1.15); I 3; Cs=1.00; Ct=1. 3; Cs=1.00; Ct=1. 4; Cs=1.00; Ct=4. 4; Cs=1.00; Ct=4.4; Cs=1.00; Ct=4. 4; Cs=1.00; Ct=4.4; Cs=1.00; Ct=4.4; Cs=1.00; Ct=4.4; Cs=1.00; Ct	AWFRS 1 Atte grip D af (roof LI f; Pf=18.1 s=1.0; R 10, Lu=5 a surcharg less than I. for great flat roof I h other li	or reactions outputs of the text of text of the text of text o	1.15 Fully at all f live sf on					
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250	5) 6)	Provide ade All plates are	quate drainage to e 3x5 MT20 unles	prevent s otherw	water ponding ise indicated.	g.					
TOP CHORD	(lb) or less except w 2-29=-1370/0, 3-29= 4-30=-1068/98, 4-5= 6-7=-882/152, 7-31=	/hen shown. =-1215/0, 3-30=-1084/64, =-525/80, 5-6=-893/144, =-1051/142, 04= 4352/4	7)	* This truss I on the botton 3-06-00 tall I chord and a	This truss has been designed for a live load of 20.0psf n the bottom chord in all areas where a rectangle -06-00 tall by 2-00-00 wide will fit between the bottom hord and any other members.								
BOT CHORD	0-311133/110, 2-2 23-24=-223/292, 21 20-21=0/1600, 18-2 14-15=0/704, 13-14 11-12=-131/853, 10 19-22=-629/0, 17-19	<ul> <li>32-24=-223/292, 21-23=-28/1165, 20-21=0/1600, 18-20=0/1600, 15-18=0/1600, 14-15=0/704, 13-14=0/852, 12-13=-131/853, 11-12=-131/853, 10-11=-110/815, 19-22=-629/0, 17-19=-745/0, 16-17=-394/24</li> <li>80 Ceiling dead load (10.0 psi) on member(s). 3-4, 4-2, 25-27</li> <li>Bottom chord live load (40.0 psf) and additional bott chord dead load (5.0 psf) applied only to room. 19-2 17-19, 16-17</li> <li>10 Bearing at joint(s) 10 considers parallel to grain formula. Building designer should verify capacity of bearing surface.</li> </ul>											

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	C1	Attic Supported Gable	1	1	Job Reference (optional)

Run: 8.63 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:42 Page: 1 ID:8tsunz3jJbmhEGIaUCM4Fxyft4J-gZkZXQ3uzpK2j1Ak8mCTYo5Ktt0lWAkKph2smwydqPp



Scale = 1:80.9

#### Plate Offsets (X, Y): [8:0-3-0,Edge], [25:0-3-0,0-3-0]

			-		-		-						-	
Loadi	ng	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	(roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow	(Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999			
TCDL		10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	16	n/a	n/a			
BCLL		0.0*	Code	IRC2018/TPI2014	Matrix-MSH									
BCDL		10.0			_							Weight: 201 lb	FT = 20%	
LUMB	ER			4) TCLL: ASCE	E 7-16; Pr=20.0 pst	f (roof Ll	.: Lum DOL=	=1.15						
TOP C	HORD	2x6 SP 2400F 2.0E		Plate DOL=	1.15); Pg=20.0 psf	; Pf=13.	9 psf (Lum							
BOT C	HORD	2x4 SP No.2 *Excep	ot* B2:2x4 SP No.3	DOL=1.15 F	Plate DOL=1.15); Is	s=1.0; R	ough Cat B;	Fully						
WEBS	_	2x4 SP No.3 *Excep	ot* W3:2x4 SP No.2	Exp.; Ce=0.	9; CS=1.00; Ct=1.1	lU for aroat	or of min roo	flive						
OTHE	RS	2x4 SP No.3		5) This truss in load of 12.0	nsf or 2 00 times f	lor great	ord of 13 9 r	n live Sef on						
BRAC	ING			overhands r	on-concurrent with	other li	ve loads	531 011						
TOP C	HORD	<ul> <li>Structural wood sheathing directly applied or 6.0 or a puding a grant and vorticals</li> <li>All plates are 2x4 MT20 unless otherwise indicated.</li> </ul>												
BOT C	HORD	Rigid ceiling directly	/ applied or 10-0-0 oc	<ol> <li>Gable require</li> <li>Truss to bo</li> </ol>	res continuous bott	tom cho	rd bearing.							
		bracing.	Rigid ceiling directly applied or 10-0-0 oc bracing. (i.e. diagonal web).											
REAC	TIONS	All bearings 20-0-0.		<ol><li>Gable studs</li></ol>	spaced at 2-0-0 of	с.	-	-						
	(lb) -	Max Horiz 33=216 (L	LC 12)	10) * This truss	has been designed	d for a liv	e load of 20	.0psf						
		Max Uplift All uplift 1	00 (lb) or less at joint(s	) on the botto	m chord in all area	s where	a rectangle							
		18, 19, 30	), 31 except 16=-141 (L	C 3-06-00 tall	by 2-00-00 wide wi	with BC		tom •f						
		10), 17=-	151 (LC 9), 32=-158 (LC 150 (LC 9)	11) Provide mer	chanical connection	n (by oth	ers) of truss	to						
		Max Gray All reaction	ons 250 (Ib) or less at io	int bearing plat	e capable of withst	anding '	100 lb uplift a	at ioint						
		(s) 18, 19	. 23. 25. 27. 30. 31 exc	ept (s) 30, 31, 1	9, 18 except (it=lb)	) 33=149	, 16=140,	<b>,</b>						
		16=275 (L	LC 26), 17=271 (LC 27)	32=157, 17=	=151.									
		20=273 (l	LC 28), 29=273 (LC 29)	, 12) This truss is	designed in accor	dance w	ith the 2018							
		32=276 (L	LC 26), 33=282 (LC 27)	Internationa	Residential Code	section	s R502.11.1	and						
FORC	ES	(lb) - Max. Comp./M	lax. Ten All forces 250	) R802.10.2 a	nd referenced star	ndard AN	NSI/TPI 1.							
TOP C	HORD	(ID) or less except w 4-5=-116/276, 5-6=-	/nen snown. ·137/315. 10-11=-137/3	15. LOAD CASE(S)	Standard									
		11-12=-116/276	,	-, ,										
WEBS	_	7-9=-149/609												
NOTE	S													
1) Un de	ibalance sign.	ed roof live loads have	e been considered for th	าเร										
2) Wi	nd: AS(	CE 7-16; Vult=130mph	n (3-second gust)											
Va	sd=103	mph; TCDL=6.0psf; B	CDL=6.0psf; h=25ft; C	at.										
II;	Exp B;	Enclosed; MWFRS (e	nvelope) and C-C Corn	er										
(31	E) -0-9-	-9-13 to 2-0-0, Exterior(2N) 2-0-0 to 10-0-0,												
20	o 12 7	() 10-0-0 to 13-0-0, EX	(terior(2N) 13-0-0 to											
20	-9-13 Z0 rtical lef	ft and right exposed.	C for members and											
for	ces & N	/WFRS for reactions	shown: Lumber											
DC	DL=1.60	) plate grip DOL=1.33	.,											
3) Tr	uss des	signed for wind loads i	in the plane of the truss											
on	ly. For	studs exposed to wind	d (normal to the face),											
se	e Stand	lard Industry Gable Er	nd Details as applicable	·,										
or	consult	qualified building des	igner as per ANSI/TPL	Ι.										

Job	Truss	Truss Type			Qty	Ply	
23090033 - Elev B	C2	Attic			1	1	Job Reference (optional)
Carter Components, Sanford, No	C, user		Run: 8.6	63 S Dec 22 2	2022 Print: 8	.630 S Dec	22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:42 Page: 1
					13-62:62	sunz3jJbmhE	EGIaUCM4Fxyft4J-gZkZXQ3uzpK2j1Ak8mCTYo5lglyEW7bKph2smwydqPp
				1(	)-9-7		
		-1-0-0		10-0	0-0		21-0-0
			6-5-4	<u> </u>		. 20-0	<u>-0                                     </u>
		100	6-5-4	2-9-5	2-9-5	6-5-	4 100
Carter Components, Sanford, N	C, user	-1-0-0  -+	Run: 8.6 <u>6-5-4</u> 6-5-4	53 S Dec 22 2 10-0 + 9-2-9 + 2-9-5	2022 Print: 8 13-段-移 0-9-7 1-0 1 1 2-9-5	:.630 S Dec : sunz3jJbmhE 20-0 6-5-	22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:42 Page: EGIaUCM4Fxyft4J-gZkZXQ3uzpK2j1Ak8mCTYo5lgIyEW7bKph2smwydqP -0 21-0-0 4 4 0 0

c



Scale = 1:99.4

Plate Offsets (X, Y): [2:0-2-0,0-1-12], [5:0-3-0,Edge], [8:0-2-0,0-1-12], [18:0-3-4,0-3-0] 0-7-4

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.49 0.44 0.31	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.07 -0.12 0.01 -0.05	(loc) 13-14 20-21 10 13-19	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 183 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP 2400F 2.0E 2x4 SP No.2 *Excep 2x4 SP No.3 *Excep Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. Except: 6-0-0 oc bracing: 13	ot* B2:2x4 SP No.3 ot* W7:2x4 SP No.2 eathing directly applied ccept end verticals. / applied or 10-0-0 oc 3-19	<ul> <li>4) This truss has load of 12.0 overhangs r</li> <li>5) * This truss on the botto 3-06-00 tall or chord and a</li> <li>6) Ceiling dead</li> <li>7) Bottom chor chord dead 14-16 13-14</li> </ul>	as been designed psf or 2.00 times ion-concurrent with has been designe m chord in all area by 2-00-00 wide w ny other members d load (10.0 psf) o d live load (40.0 p load (5.0 psf) app 1	for great flat roof I th other Ii d for a liv as where vill fit betv s. n membe osf) and a lied only	er of min roo oad of 13.9 ve loads. e load of 20 a rectangle veen the bol er(s). 3-4, 6-1 dditional bo to room. 16-	of live psf on 0.0psf ttom 7, 4-6 ttom -19,					
REACTIONS	(lb/size) 10=864/0 21=864/0 Max Horiz 21=-216 ( Max Grav 10=1110	-3-8, (min. 0-1-8), -3-8, (min. 0-1-8) (LC 11) (LC 27), 21=1110 (LC 2	8) This truss is Internationa R802.10.2 a 26) 9) Attic room c	* designed in acco I Residential Code Ind referenced sta hecked for L/360 (	rdance w sections indard AN deflectior	ith the 2018 8 R502.11.1 NSI/TPI 1. N.	and					
FORCES TOP CHORD	(lb) - Max. Comp./M (lb) or less except w 2-3=-1093/0, 3-22=-	lax. Ten All forces 25 /hen shown. -746/69, 4-22=-650/98, 178/802, 6-23=-650/98,	0 LOAD CASE(S)	Standard								
BOT CHORD	4-3176/893, 5-6 7-23=-747/70, 7-8 8-10=-1053/25 20-21=-198/266, 18 15-17=0/1423, 12-1	-20=0/827, 17-18=0/14 5=0/1423, 11-12=0/14	5, 5, 123, 0,									
WEBS	16-19=-453/0, 14-10 7-13=0/345, 3-19=0 2-20=0/758, 8-11=0 12-13=0/598, 16-18	5=-760/0, 13-14=-531/0 /345, 4-6=-1848/344, /759, 18-19=0/528, =-442/0, 12-14=-416/5	J									
<ol> <li>NOTES</li> <li>Unbalance design.</li> <li>Wind: ASC Vasd=103 II; Exp B; Exterior(2 Exterior(2)</li> </ol>	ed roof live loads have CE 7-16; Vult=130mpt mph; TCDL=6.0psf; B Enclosed; MWFRS (e E) -0-9-13 to 2-2-3, In R) 10-0-0 to 13-0-0, Ir	e been considered for t n (3-second gust) 3CDL=6.0psf; h=25ft; C nvelope) and C-C terior (1) 2-2-3 to 10-0- nterior (1) 13-0-0 to	his at. 0,									
20-9-13 zc vertical lef forces & N DOL=1.60	one; cantilever left and ft and right exposed;C /WFRS for reactions ) plate grip DOL=1.33	d right exposed ; end c-C for members and shown; Lumber										

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); ls=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	CJ1	Jack-Open	6	1	Job Reference (optional)

Run: 8.63 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:42 Page: 1 ID:4sByaig44YWo31cBzVcnnLyduRF-gZkZXQ3uzpK2j1Ak8mCTYo5O5l2UWBRKph2smwydqPp

-1-0-0 1-10-15 1-0-0 1-10-15



3x8 II

1-10-15

Scale = 1:32.8

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

chord and any other members.5) Refer to girder(s) for truss to truss connections.

Loading TCLL (roo Snow (Pf/ TCDL BCLL	(psf) 20.0 Pg) 13.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES RC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-MP	0.08 0.04 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 4-7 4-7 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	10.0										veight: 9 lb	FT = 20%
LUMBER TOP CHO BOT CHO WEDGE BRACING TOP CHO BOT CHO	RD 2x4 SP No.2 RD 2x4 SP No.2 Left: 2x4 SP No.3 RD Structural wood she 1-10-15 oc purlins. RD Rigid ceiling directly bracing. MiTek recommend:	eathing directly applied or / applied or 10-0-0 oc s that Stabilizers and	<ol> <li>6) Provide mec bearing plate 3.</li> <li>7) This truss is International R802.10.2 a</li> <li>LOAD CASE(S)</li> </ol>	hanical connection capable of withst designed in accor Residential Code nd referenced star Standard	n (by oth anding 2 dance w sections ndard AN	ers) of truss : 20 lb uplift at j ith the 2018 \$ R502.11.1 a \$SI/TPI 1.	to joint and					
	required cross brac truss erection, in a Installation guide.	cing be installed during ccordance with Stabilizer										
REACTIO	NS (lb/size) 2=121/0-3 Mechanic Mechanic Max Horiz 2=51 (LC Max Uplift 3=-20 (LC Max Grav 2=147 (LC (LC 25)	3-8, (min. 0-1-8), 3=34/ :al, (min. 0-1-8), 4=19/ :al, (min. 0-1-8) 13) C 13) C 2), 3=45 (LC 25), 4=23										
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250										
NOTES 1) Wind: Vasd= II; Exp Exterit vertica forces DOL= 2) TCLL: DOL= Exp.; 3) This tr load o overha 4) * This on the 3-06-0	ASCE 7-16; Vult=130mpl 103mph; TCDL=6.0psf; E B; Enclosed; MWFRS (e or(2E) zone; cantilever lef I left and right exposed; C & MWFRS for reactions : 1.60 plate grip DOL=1.33 ASCE 7-16; Pr=20.0 psf DOL=1.15); Pg=20.0 psf DOL=1.15); Pg=20.0 psf DOL=1.15); Pg=20.0 psf i.15 Plate DOL=1.15); Is: 2e=0.9; Cs=1.00; Ct=1.10 uss has been designed for 12.0 psf or 2.00 times fit ings non-concurrent with hruss has been designed bottom chord in all areas 0 tall by 2-00-00 wide wil	n (3-second gust) 3CDL=6.0psf; h=25ft; Cat invelope) and C-C it and right exposed ; end i-C for members and shown; Lumber (roof LL: Lum DOL=1.15 Pf=13.9 psf (Lum =1.0; Rough Cat B; Fully ) or greater of min roof live at roof load of 13.9 psf on other live loads. for a live load of 20.0psf where a rectangle I fit between the bottom										

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	CJ2	Jack-Open	6	1	Job Reference (optional)

Run: 8.63 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:42 Page: 1 ID:4sByaig44YWo31cBzVcnnLyduRF-gZkZXQ3uzpK2j1Ak8mCTYo5MCl?qWBRKph2smwydqPp







Scale = 1:32.1

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

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.20 0.21 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.02 -0.02 -0.01	(loc) 4-7 4-7 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 16 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 Left: 2x4 SP No.3 Structural wood she 3-10-15 oc purlins. Rigid ceiling directly bracing.	athing directly applied applied or 10-0-0 oc	<ul> <li>6) Provide med bearing plate</li> <li>3.</li> <li>7) This truss is Internationa R802.10.2 a</li> <li>or LOAD CASE(S)</li> </ul>	chanical connect e capable of with designed in acc l Residential Coo ind referenced st Standard	ion (by oth astanding 4 ordance w de sections tandard AN	ers) of truss I3 lb uplift at ith the 2018 \$R502.11.1 ISI/TPI 1.	to joint and					
	MiTek recommends required cross brac truss erection, in a Installation guide.	s that Stabilizers and cing be installed during ccordance with Stabiliz	er									
REACTIONS (lb/size)       2=181/0-3-8, (min. 0-1-8), 3=78/ Mechanical, (min. 0-1-8), 4=46/ Mechanical, (min. 0-1-8)         Max Horiz       2=88 (LC 13)         Max Uplift       3=-43 (LC 13)         Max Grav       2=218 (LC 2), 3=104 (LC 25), 4=52												
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 25 when shown	0									
NOTES 1) Wind: AS Vasd=103 II; Exp B; Exterior(2 zone; can and right MWFRS f grip DOL=3 Plate DOI DOL=1.19 Exp.; Ce= 3) This truss load of 12 overhang 4) * This trus on the bo	CE 7-16; Vult=130mpl 3mph; TCDL=6.0psf; E Enclosed; MWFRS (e iE) -0-11-7 to 2-0-9, in itilever left and right ey- exposed; C-C for mem for reactions shown; L =1.33 CE 7-16; Pr=20.0 psf; =1.15); Pg=20.0 psf; 5 Plate DOL=1.15); Is- :0.9; Cs=1.00; Ct=1.10; has been designed ft 2.0 psf or 2.00 times fit s non-concurrent with ss has been designed time chord in all areas	h (3-second gust) 3CDL=6.0psf; h=25ft; C invelope) and C-C terior (1) 2-0-9 to 3-10- cyosed; end vertical lei bers and forces & umber DOL=1.60 plate (roof LL: Lum DOL=1.1 Pf=13.9 psf (Lum =1.0; Rough Cat B; Ful D or greater of min roof lin at roof load of 13.9 psf other live loads. for a live load of 20.0p; s where a rectangle	at. 3 ft 15 ly ve on sf									

Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	CJ3	Jack-Open	2	1	Job Reference (optional)

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<u>-1-0-0</u> <u>1-10-15</u> 1-0-0 <u>1-10-15</u>



### One H2.5A

1-10-15

#### Scale = 1:38.8

-

Load TCL Snov TCD BCL BCD	ding L (roof) w (Pf/Pg) L L DL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	CSI TC BC WB Matrix-MR	0.19 0.10 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 -0.01	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 9 lb	<b>GRIP</b> 244/190 FT = 20%	
LUN TOP BOT WEE BRA TOP BOT	IBER CHORD CHORD 3S CING CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 1-10-15 oc purlins, Rigid ceiling directly bracing. MiTek recommender required cross brac truss erection, in ac Installation guide.	eathing directly applied except end verticals. v applied or 10-0-0 oc s that Stabilizers and sing be installed during ccordance with Stabiliz	5) * This truss on the bott 3-06-00 tall chord and a 6) Refer to gir 7) Provide me bearing pla and 15 lb u 8) One H2.5A recomment UPLIFT at j does not cc 9) This truss is International	has been design m chord in all are by 2-00-00 wide ny other member der(s) for truss to chanical connecti ie capable of with blift at joint 3. Simpson Strong- led to connect tru t(s) 5. This conne nsider lateral force designed in acco l Residential Cool	ed for a live eas where will fit betw rs. truss com- ion (by oth standing ' Tie conne iss to bear ection is fo ces. ordance whe	ve load of 20 a rectangle ween the bol nections. ners) of truss 1 lb uplift at j ctors ing walls du r uplift only a vith the 2018 s R502.11.1	0.0psf ttom s to oint 4 e to and and					
REA	CTIONS	(lb/size) 3=27/ Me 4=15/ Me 5=131/0-3 Max Horiz 5=35 (LC Max Uplift 3=-15 (LC (LC 11) Max Grav 3=36 (LC (LC 22)	chanical, (min. 0-1-8), chanical, (min. 0-1-8), 3-8, (min. 0-1-8) 12) ; 15), 4=-1 (LC 12), 5=- 22), 4=20 (LC 13), 5=1	R802.10.2 LOAD CASE(S	and referenced st ) Standard	andard AN	NSI/TPI 1.						
FOR	CES	(lb) - Max. Comp./M	ax. Ten All forces 250	)									
NOT 1) \ 1 2) T F 2 3) U	ES Wind: ASi Vasd=100 I; Exp B; Exterior(2 vertical le forces & I DOL=1.61 TCLL: AS Plate DOI DOL=1.11 Exp.; Ce= governs. Unbalanc design	(ID) OF less except w CE 7-16; Vult=130mph Bmph; TCDL=6.0psf; B Enclosed; MWFRS (e (E) zone; cantilever lef ft and right exposed; C WWFRS for reactions s 0 plate grip DOL=1.33 CE 7-16; Pr=20.0 psf L=1.15); Pg=20.0 psf 5 Plate DOL=1.15); Is= 0.9; Cs=1.00; Ct=1.10 ed snow loads have b	nen snown. (3-second gust) CDL=6.0psf; h=25ft; C nvelope) and C-C t and right exposed ; el -C for members and shown; Lumber (roof LL: Lum DOL=1.1 Pf=13.9 psf (Lum =1.0; Rough Cat B; Full ; Min. flat roof snow lo een considered for this	at. nd 5 y ad									

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	D1	Common Supported Gable	1	1	Job Reference (optional)

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12-7-0 -1-0-0 5-9-8 11-7-0 5-9-8 1 - 0 - 05-9-8 -0-0 4x5=

11-7-0



#### Scale = 1:41.2

BOT CHORD

OTHERS

WEDGE

BRACING

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No.2

2x4 SP No.2

2x4 SP No.3

Left: 2x4 SP No 3

6-0-0 oc purlins.

bracing.

REACTIONS All bearings 11-7-0.

Right: 2x4 SP No.3

Structural wood sheathing directly applied or

Rigid ceiling directly applied or 10-0-0 oc

Max Uplift All uplift 100 (lb) or less at joint(s)

2, 10, 11, 13, 14, 15 Max Grav All reactions 250 (lb) or less at joint (s) 2, 8, 10, 11, 12, 13, 14, 15, 19 (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) - Max Horiz 2=-92 (LC 11), 15=-92 (LC 11)

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

Loading TCLL (roof) Snow (Pf/Pg) TCDL	(psf) 20.0 13.9/20.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-11-4 1.15 1.15 YES	CSI TC BC WB Matrix MSH	0.08 0.04 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	10.0	Code	IRC2018/1712014	Wallix-WOH							Weight: 63 lb	FT = 20%
LUMBER			7) Gable requir	res continuous b	ottom chor	rd bearing.						

- ottom chord bearing.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 13, 14, 11, 10, 2.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 15.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and
- R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S) Standard

# FORCES

#### NOTES

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

(lb) or less except when shown.

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3E) -0-11-7 to 1-9-8, Exterior(2N) 1-9-8 to 5-9-8, Corner (3R) 5-9-8 to 8-9-8, Exterior(2N) 8-9-8 to 12-6-7 zone; cantilever left and right exposed ; end vertical left and right exposed:C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- This truss has been designed for greater of min roof live 5) load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	D2	Common	1	1	Job Reference (optional)

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Scale = 1:41.6

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

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCLL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.37 0.30 0.07	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.06 0.01	(loc) 6-9 6-9 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 51 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3		6) This truss is International R802.10.2 a LOAD CASE(S)	designed in accor Residential Code nd referenced star Standard	dance w sections ndard AN	ith the 2018 R502.11.1 ISI/TPI 1.	and					
BRACING TOP CHORD BOT CHORD	Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing.	eathing directly applied v applied or 10-0-0 oc	or									
REACTIONS	(lb/size) 2=424/0-3 4=424/0-3 Max Horiz 2=92 (LC Max Grav 2=504 (LC	3-8, (min. 0-1-8), 3-8, (min. 0-1-8) 12) C 2), 4=504 (LC 2)										
FORCES	(lb) - Max. Comp./M (lb) or less except w	ax. Ten All forces 25 hen shown.	0									
TOP CHORD	2-13=-491/111, 3-13 3-14=-398/132, 4-14	=-398/132, 1=-491/111										
BOT CHORD	2-6=-43/320, 4-6=0/	320										
1) Unbalance	ed roof live loads have	e been considered for t	his									
<ul> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=130mph (3-second gust)</li> <li>Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat.</li> <li>II; Exp B; Enclosed; MWFRS (envelope) and C-C</li> <li>Exterior(2E) -0-11-7 to 2-0-9, Interior (1) 2-0-9 to 5-9-8,</li> <li>Exterior(2R) 5-9-8 to 8-9-8, Interior (1) 8-9-8 to 12-6-7</li> <li>zone; cantilever left and right exposed; c-C for members and forces &amp;</li> <li>MWFRS for reactions shown; Lumber DOL=1.60 plate</li> </ul>												
<ul> <li>3) TCLL: AS( Plate DOL DOL=1.15 Exp.: Ce=</li> </ul>	TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10											
<ol> <li>This truss load of 12 overhangs</li> </ol>	has been designed fo 0 psf or 2.00 times fla non-concurrent with	or greater of min roof liv at roof load of 13.9 psf other live loads.	/e on									

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

	Job	Truss	Truss Type	Qty	Ply		
	23090033 - Elev B	D3	Common Girder	1	2	Job Reference (optional)	
1	Carter Components, Sanford, N	C, user	Run: 8.63 S Dec 22	2022 Print: 8	3.630 S Dec	22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:43	Page: 1

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# Scale = 1:45.5

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

(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
20.0	Plate Grip DOL	1.15	тс	0.36	Vert(LL)	-0.05	`7-8	>999	240	MT20	244/190		
13.9/20.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.09	7-8	>999	180				
10.0	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.01	5	n/a	n/a				
0.0*	Code	IRC2018/TPI2014	Matrix-MSH		, , ,								
10.0										Weiaht: 143 lb	FT = 20%		
										5	-		
		5) TCLL: ASCE	7-16: Pr=20.0 ps	f (roof Ll	.: Lum DOL=	=1.15							
2x4 SP No 2		Plate DOL=	1.15): Pa=20.0 psf	: Pf=13.9	9 psf (Lum								
2x6 SP 2400F 2 0F	:	DOL=1.15 F	late DOL=1.15); I	s=1.0; R	ough Cat B;	Fully							
2x4 SP No 3		Exp.; Ce=0.	9; Cs=1.00; Ct=1.1	10	5 - ,	,							
		6) This truss ha	as been designed	for great	er of min roo	of live							
Structural wood ab	athing directly applied	load of 12.0	psf or 2.00 times t	flat roof l	oad of 13.9	psf on							
5-9-2 oc purling	earning directly applied	overhangs r	overhangs non-concurrent with other live loads.										
Rigid ceiling directly	v applied or 10-0-0 oc	<ol><li>7) * This truss</li></ol>	has been designe	d for a liv	e load of 20	.0psf							
bracing	y applied of 10-0-0 00	on the botto	m chord in all area	as where	a rectangle								
braonig.		3-06-00 tall	by 2-00-00 wide w	vill fit betv	veen the bot	tom							
(lb/size) 1=4667/0	)-3-8, (min. 0-2-0),	chord and a	ny other members	· .									
5=2572/0	)-3-8, (min. 0-1-8)	8) This truss is	designed in accor	dance w	ith the 2018	d							
Max Horiz 1=-88 (LC	57) 5015) = 0010 (1	Internationa	Residential Code	sections	5 K502.11.1	and							
Max Grav 1=4847 (	LC 17), 5=2648 (LC 22	) K802.10.2 a	nd referenced sta	ndard AN	NSI/TPI1.								
(lb) - Max. Comp./N	lax. Ten All forces 250	) 9) Use Simpso	<ol> <li>Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dy1 1/2 Truss, Single Ply Girder) or equivalent</li> </ol>										
(lb) or less except v	vhen shown.	spaced at 2	11-10dx1 1/2 Truss, Single Ply Girder) or equivalent										
1-2=-4767/0, 2-3=-4	4708/0, 3-4=-3956/0,	end to 1.6 1	spaced at 2-0-0 oc max. starting at 0-6-4 from the left										
4-5=-4044/0	0/0000 0 40 0/0/07	(1 nlv 2v4 S	P) A2 (1 nlv $2x4$ S	SP) to ba	ck face of bo	, AS							
1-15=0/3822, 8-15=	=0/3822, 8-16=0/2487,	chord	), //2 (1 piy 2/4 C	) 10 54		Juom							
2 7- 219/1020 2 9	=0/2487, 5-7=0/3160 =0/2517	10) Use Simpso	n Strong-Tie HTU:	26 (20-1)	6d Girder.								
3-1=-210/1929, 3-8	-0/3317	11-10dx1 1/2	2 Truss) or equival	lent at 6-	6-4 from the	left							
a ta ha aon:	ather with 10-1 (0 101"	end to conn	ect truss(es) A7 (1	ply 2x6	SP) to back	face							
s to be connected tog	emer with 10d (0.131"x	of bottom ch	ord.										
UNUWS:	1 row at 0 0 0	11) Fill all nail h	oles where hanger	r is in cor	ntact with lur	nber.							
as connected as follow	vs. 2x4 - 1 10w at 0-9-0	LOAD CASE(S)	Standard										
ords connected as fo	llows: 2x6 - 2 rows	1) Dead + Sn	ow (balanced): Lu	mber Inc	rease=1.15.	Plate							
1  at  0.4.0  oc	10W3. 2AU - 210W3	, Increase=1	.15`		-,								
hected as follows: 2v4	- 1 row at 0-9-0 oc	Uniform Lo	ads (lb/ft)										
are considered equally	v applied to all plies	Vert: 1-3	=-46, 3-6=-46, 9-1	2=-19									
noted as front (F) or b	ack (B) face in the I OA	D Concentrat	ed Loads (lb)										
section. Ply to ply cor	nections have been	Vert: 11=	-1427, 15=-1355,	16=-138	8, 17=-2265								
to distribute only load	s noted as (F) or (B).												
herwise indicated.													
ed roof live loads hav	e been considered for t	his											
CE 7-16; Vult=130mp	h (3-second gust)												
Bmph; TCDL=6.0psf; E	3CDL=6.0psf; h=25ft; C	at.											
Enclosed; MWFRS (e	envelope); cantilever lef	t											
exposed ; end vertica	I left and right exposed;												
OCL=1.60 plate grip D	OL=1.33												
	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0 2x4 SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.3 Structural wood shu 5-9-2 oc purlins. Rigid ceiling directly bracing. (lb/size) 1=4667/0 5=2572/0 Max Horiz 1=-88 (L0 Max Grav 1=4847 ( (lb) - Max. Comp./M (lb) or less except v 1-2=-4767/0, 2-3=-4 4-5=-4044/0 1-15=0/3822, 8-15= 16-17=0/2487, 7-17 3-7=-218/1929, 3-8 s to be connected tog blows: is connected as follows: are considered equally noted as front (F) or b section. Ply to ply cord to distribute only loads therwise indicated. ed roof live loads hav CE 7-16; Vult=130mp imph; TCDL=6.0psf; E Enclosed; end vertica OL=1.60 plate grip D	(psf) 20.0 13.9/20.0 13.9/20.0 10.0 Rep Stress Incr CodeSpacing Plate Grip DOL Lumber DOL Rep Stress Incr Code $2x4$ SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.3Structural wood sheathing directly applied of 10.0 -0 oc bracing.Structural wood sheathing directly applied or 10-0-0 oc bracing.1=4667/0-3-8, (min. 0-2-0), 5=2572/0-3-8, (min. 0-1-8)Max Horiz 1=-88 (LC 7) Max Grav 1=4847 (LC 17), 5=2648 (LC 22) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 1-2=-4767/0, 2-3=-4708/0, 3-4=-3956/0, 4-5=-4044/0 1-15=0/3822, 8-15=0/3822, 8-16=0/2487, 16-17=0/2487, 7-17=0/2487, 5-7=0/3160 3-7=-218/1929, 3-8=0/3517s to be connected together with 10d (0.131*x) ollows: Is connected as follows: 2x4 - 1 row at 0-9-0 co. are considered equally applied to all plies, noted as front (F) or back (B) face in the LOA section. Ply to ply connections have been to distribute only loads noted as (F) or (B), nerwise indicated. ed roof live loads have been considered for the CE 7-16; Vult=130mph (3-second gust) imph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; C Enclosed; MWFRS (envelope); cantilever lef exposed; end vertical left and right exposed; iOL=1.60 plate grip DOL=1.33	(psf) 20.0Spacing Plate Grip DOL 1.151-11-4 1.1513.9/20.0Plate Grip DOL Lumber DOL 1.001.1513.9/20.0Rep Stress Incr 	(psf) 20.0 13.9/20.0 10.0Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code1-11-4 It.5CSI TC TC BC10.010.0 Rep Stress Incr CodeNO WB Watrix-MSHSC2x4 SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.35)TCLL: ASCE 7-16; Pr=20.0 ps Plate DOL=1.15); Pg=20.0 ps Plate DOL=1.315)TCLL: ASCE 7-16; Wult=130mph (3-second gust) Imph; TCDL=0.0pst; BCDL=6.0pst; h=25f; Cat. Enclosed; MWFRS (envelope); cantilever left exposed; end vertical left and right exposed; OL=1.60 plate grip DOL=1.33	(psf) 20.0 13.9/20.0 13.9/20.0 10.0 10.0 10.0Spacing Plate Grip DOL 1.15 Rep Stress Incr Code1-11-4 TC TC 0.36 BC 0.43 WB WB 0.72 Matrix-MSH2x4 SP No.2 2x4 SP No.35)TCLL: ASCE 7-16; Pr=20.0 psf (roof LI Plate DOL=1.15); Pg=20.0 psf (P=13. DOL=1.16 Plate DOL=1.15); Is=1.0; Ri Exp.; Ce=0.9; Cs=1.0; Ct=1.10 Oters Tabel DOL=1.15); Is=1.0; Ri Exp.; Ce=0.9; Cs=1.00; Ct=1.10 This truss has been designed for a liv on the bottom chord in all areas where $3.06-00$ tall by 2-00-00 wide will fib bet chord and any other members. Store Tabel DOL-1.2(Ib/size)1=4867/0-3.8; (min. 0-2-0), 5=2572/0-3.8; (min. 0-1-8) Max Grav 1=4847 (LC 17), 5=2648 (LC 22) (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. 1-15=0/3822, 8-15=0/3822, 8-16=0/2487, 16-17=0/2487, 7-1	(psf) 2.0.Spacing Plate Grip DOL 13.9/20.01-11-4 Plate Grip DOL Lumber DOL 1.15CSI TCDEFL C13.9/20.0 10.0Lumber DOL Rep Stress Incr Code1.15TC0.36Vert(LL) Vert(CT) Horz(CT)2.45 SP 2400F 2.0E 2x4 SP No.35)TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL= Plate DOL=1.15); Ps=20.0 psf, Pf=13.9 psf (Lum Dol=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Exp; Ce=0.9; Cs=1.00; Cl=1.105)TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL= Plate DOL=1.15); Ps=20.0 psf, Pf=13.9 psf (Lum Dol=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Exp; Ce=0.9; Cs=1.00; Cl=1.106)This truss has been designed for greater of min roo load of 12.0 psf or 2.00 times flat roof load of 13.9 j overhangs non-concurrent with other live loads.7)This trus has been designed for greater of min roo load of 12.0 psf or 2.00 times flat roof load of 13.9 j overhangs non-concurrent with other live loads.8)This truss has been designed for greater of min roo load of 12.0 psf or 2.00 times flat roof load of 13.9 j overhangs non-concurrent with other live loads.9)The Tuss Step Stread (LC 22)(b) r lass (LC 17), 5=2648 (LC 22)(b) r lass except when shown. $1-2=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-3956/0, 4-5=-4767/0, 2.3=-4708/0, 3.4=-395$	(psf) 20.0 13.9/20.0 13.9/20.0 10.0Spacing Plate Grip DOL Lumber DOL Code1-11-4 15 TC TC 0.43 WB Matrix-MSHDEFL in Vert(L1) -0.05 Vert(CT) Matrix-MSH2x4 SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.3 2x6 SP 2400F 2.0E 2x4 SP No.35)TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.05); Plate DOL=1.0 (Plate DOL=1.15); Plate DOL=1.05 (Plate DOL=1.05); Plate DOL=1.0 (Plate DOL=1.05); Plate DOL=1.00; Plate Plate DOL=1.00; Plate DOL=0.00;	(psf) 200 13.9/200 10.0Spacing Plate Grip DOL Lumber DOL 0.0°*1-11-4 Plate Grip DOL 1.15CSI TC TC 0.43DEFL wert (LL)on (loc) Vert (LL)200 13.9/200 0.0°*Plate Stress Incr CodeNO Registress Incr CodeNO NO NO NO Matrix-MSHDEFL TC C 0.43In (loc) Vert (LL)-0.05 7.8 Vert (LL)2x4 SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.3STCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Is=100; Cl=1.10 Plate DOL=1.15); Is=100; Cl=1.10 Plate DOL=1.15; Is=200; Cl=1.10 Plate DOL=1.15; Is=100; Cl=1.00; Plate DOL=1.15; Plate DOL=1.15; Plate DOL=1.15; Pla		(psi) 200 13.9/200 10.0 0.0° 10.0Spacing Plate Grip DOL Lamber DOL Lember DOL Rep Stress Incr Code1.11-4 1.15 ICCSI TCDEFL inin(loc)l/deftL/d2v4 SP No.2 2x4 SP No.3IRC2018/TFI2014NO Watrix-MSHNO Watrix-MSHNO Watrix-MSHNO Watrix-MSHNO Watrix-MSH2v4 SP No.2 2x4 SP No.3TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Psg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15); Psg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15; Psg=20.0 psf; Pf=13.9 psf (Lum DOL			

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	E1	Common Supported Gable	1	1	Job Reference (optional)

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#### Scale = 1:36.4

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%
			8) * This truce I	has been desig	nod for a liv	a load of 20	Opef					
	2v4 SP No 2		on the botto	m chord in all a	reas where	a rectandle	opsi					
	2x4 SP No.2		3-06-00 tall I	by 2-00-00 wide	e will fit betw	veen the bot	tom					
OTHERS	2x4 SP No 3		chord and a	ny other member	ers.							
WEDGE	Left: 2x4 SP No.3		<ol><li>Provide med</li></ol>	hanical connec	tion (by oth	ers) of truss	to					
	Right: 2x4 SP No.3		bearing plate	e capable of wit	hstanding 1	00 lb uplift a	ıt joint					
BRACING	0		(s) 2, 4, 2, 4	•								
TOP CHORD	Structural wood she	athing directly applied	or 10) This truss is	designed in ac	cordance w	ith the 2018						
	5-0-0 oc purlins.	5 7 11	International	Residential Co	de sections	8 R502.11.1 a	and					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc		Standard	stanuaru An	ISI/TETT.						
	bracing.		LUAD CASE(S)	Standard								
REACTIONS	All bearings 5-0-0.											
(lb) -	Max Horiz 2=-52 (LC	C 11), 7=-52 (LC 11)										
	Max Uplift All uplift 1	00 (lb) or less at joint(s	5)									
	2, 4, 7, 11											
	Max Grav All reactio	ons 250 (lb) or less at jo	pint									
	(s) 2, 4, 6	, 7, 11	-									
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250	)									
NOTES	(ib) of less except w	men snown.										
NUIES	d roof live loads have	boon considered for t	hie									
design			1115									
2) Wind: ASC	E 7-16: Vult=130mph	n (3-second aust)										
Vasd=103	mph; TCDL=6.0psf; B	CDL=6.0psf; h=25ft; C	at.									
II; Exp B; I	Enclosed; MWFRS (e	nvelope) and C-C Corr	ner									
(3E) -0-11-	6 to 2-0-10, Exterior(	2N) 2-0-10 to 2-6-0,										
Corner(3R	) 2-6-0 to 5-6-0, Exter	rior(2N) 5-6-0 to 5-11-6	-									
zone; cant	lever left and right ex	posed ; end vertical let	t									
and right e	exposed;C-C for mem	bers and forces &										
	or reactions snown; Li	umper DOL=1.60 plate										

- MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 This truss has been designed for greater of min roof live 3)
- 4)
- This truss has been designed for greater of min roof live 5) load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7)́ Gable studs spaced at 2-0-0 oc.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	E2	Common	1	1	Job Reference (optional)

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Scale = 1:40.3

5)

overhangs non-concurrent with other live loads. \* This truss has been designed for a live load of 20.0psf

on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom

chord and any other members.

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	6-12	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	6-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%
LUMBER			6) One H2.5A	Simpson Strong-T	ïe conne	ctors						
TOP CHORD	2x4 SP No.2		recommend	ed to connect trus	s to bear	ing walls due	to					
BOT CHORD	2x4 SP No.2		UPLIFT at jt	(s) 2 and 4. This c	connectio	n is for uplift	only					
WEBS	2x4 SP No.3		and does no	t consider lateral f	forces.							
WEDGE	Left: 2x4 SP No.3		7) This truss is	designed in accor	rdance w	ith the 2018						
	Right: 2x4 SP No.3		Internationa	Residential Code	e sections	8 R502.11.1 a	and					
BRACING				no referenceo sta	indard Ar	151/TPTT.						
TOP CHORD	Structural wood she	eathing directly applied	or LOAD CASE(S)	Standard								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc										
	bracing.											
REACTIONS	(lb/size) 2=208/0-3	3-8, (min. 0-1-8),										
	4=208/0-3	3-8, (min. 0-1-8)										
	Max Horiz 2=-52 (LC	C 11)										
	Max Uplift 2=-1 (LC	13), 4=-1 (LC 14)										
	Max Grav 2=249 (L0	5 2), 4=249 (LC 2)										
FORCES	<ul> <li>(lb) - Max. Comp./M</li> <li>(lb) or less except w</li> </ul>	ax. Ten All forces 250 /hen shown.	)									
NOTES	( )											
1) Unbalance	ed roof live loads have	e been considered for th	nis									
design.												
2) Wind: ASC	CE 7-16; Vult=130mph	n (3-second gust)										
Vasd=103	mph; TCDL=6.0psf; B	CDL=6.0psf; h=25ft; Ca	at.									
II; EXP B; I	Enclosed; MVVFRS (e	nvelope) and C-C										
	E) -0-11-0 10 2-0-10, 1 orior(2P) 2 6 0 to 5 6	0 + 10 = 10 = 10 = 10 = 10 = 10 = 10 = 1										
5-11-6 zor	erior(2R) 2-0-0 to 3-0-	right exposed : end										
vertical lef	t and right exposed:C	-C for members and										
forces & N	IWFRS for reactions	shown; Lumber										
DOL=1.60	plate grip DOL=1.33											
3) TCLL: AS	CE 7-16; Pr=20.0 psf	(roof LL: Lum DOL=1.1	5									
Plate DOL	=1.15); Pg=20.0 psf;	Pf=13.9 psf (Lum										
DOL=1.15	Plate DOL=1.15); ls=	=1.0; Rough Cat B; Full	ý									
Exp.; Ce=	0.9; CS=1.00; Ct=1.10	) or groater of min reaf liv	2									
load of 12	.0 psf or 2.00 times fla	at roof load of 13.9 psf of	e on									

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	EJ1	Jack-Open	28	1	Job Reference (optional)

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Scale = 1:35.2

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

Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.36	DEFL Vert(LL)	in 0.05	(loc) 4-7	l/defl >999	L/d 240	PLATES MT20	<b>GRIP</b> 244/190
Snow (Pf/Pg)	13.9/20.0 10.0	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.34	Vert(CT) Horz(CT)	-0.06 -0.01	4-7 3	>956 n/a	180 n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP	0.00	11012(01)	-0.01	0	n/a	n/a		
BCDL	10.0										Weight: 19 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 Left: 2x4 SP No.3 Structural wood she 5-0-0 oc purlins. Rigid ceiling directly bracing. MiTek recommend	eathing directly applied of y applied or 10-0-0 oc s that Stabilizers and	<ul> <li>6) Provide medbearing plate 3.</li> <li>7) This truss is International R802.10.2 a</li> <li>br LOAD CASE(S)</li> </ul>	chanical connecti e capable of with designed in acco Residential Cod nd referenced st Standard	on (by oth standing 5 ordance w le sections andard AN	ers) of truss 5 lb uplift at th the 2018 \$R502.11.1 ISI/TPI 1.	to joint and					
	required cross brac truss erection, in ac Installation guide.	cing be installed during ccordance with Stabilize	er									
REACTIONS	(Ib/size) 2=217/0-3 Mechanic Machanic Max Horiz 2=109 (L0 Max Uplift 3=-55 (LC Max Grav 2=260 (L0 (LC 25)	3-8, (min. 0-1-8), 3=102/ ;al, (min. 0-1-8), 4=60/ ;al, (min. 0-1-8) C 13) C 13) C 2), 3=135 (LC 25), 4=1	68									
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250										
NOTES 1) Wind: ASC Vasd=103 II; Exp B; I Exterior(2I zone; cant and right e MWFRS fr grip DOI =	CE 7-16; Vult=130mpł mph; TCDL=6.0psf; E Enclosed; MWFRS (e E) -0-11-7 to 2-0-9, In tilever left and right ex exposed;C-C for mem or reactions shown; L 1 33	n (3-second gust) CDL=6.0psf; h=25ft; Ca nvelope) and C-C terior (1) 2-0-9 to 4-11-4 kposed ; end vertical left bers and forces & umber DOL=1.60 plate	at.									
<ul> <li>gip DSL: AS( Plate DOL DOL=1.15 Exp.; Ce=</li> <li>3) This truss load of 12 overhangs</li> <li>4) * This trus on the bot 3-06-00 ta</li> </ul>	CE 7-16; Pr=20.0 psf =1.15); Pg=20.0 psf; Plate DOL=1.15); Is= 0.9; Cs=1.00; Ct=1.10 has been designed fc 0 psf or 2.00 times fla s non-concurrent with s has been designed tom chord in all areas II by 2-00-00 wide will	(roof LL: Lum DOL=1.1 Pf=13.9 psf (Lum =1.0; Rough Cat B; Fully or greater of min roof live at roof load of 13.9 psf o other live loads. for a live load of 20.0ps ; where a rectangle I fit between the bottom	5 V e n f									

5) Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	EJ2	Jack-Open	1	1	Job Reference (optional)

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Scale = 1:35.2

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code I	2-0-0 1.15 1.15 YES RC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-MR	0.27 0.15 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.01 -0.01 -0.02	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 12 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 3-0-0 oc purlins, ex Rigid ceiling directly bracing. MiTek recommender required cross brack truss erection, in ar Installation guide. (lb/size) 3=56/ Me 4=28/ Me 5=159/0-3	eathing directly applied or cept end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer chanical, (min. 0-1-8), chanical, (min. 0-1-8), 3-8, (min. 0-1-8)	<ol> <li>* This truss I on the botton 3-06-00 tall 1 chord and at</li> <li>Refer to gird</li> <li>Provide mec bearing plate</li> <li>One H2.5A S</li> <li>One H2.5A S</li> <li>recommende UPLIFT at jt does not cor</li> <li>This truss is International R802.10.2 a</li> <li>LOAD CASE(S)</li> </ol>	has been designe m chord in all are by 2-00-00 wide v ny other members er(s) for truss to t chanical connectic capable of withs Simpson Strong-T ed to connect trus (s) 5. This connect nsider lateral force designed in acco Residential Code nd referenced sta Standard	ed for a liv as where will fit betv s. truss conn on (by oth standing 2 fie conne ss to bear tion is for es. ordance w e sections andard AN	e load of 20. a rectangle veen the bott nections. ers) of truss 22 lb uplift at ctors ing walls due vuplift only a ith the 2018 5 R502.11.1 a ISI/TPI 1.	0psf tom to joint e to nd and					
FORCES NOTES 1) Wind: AS( Vasd=103) II; Exp B; Exterior(2) zone; can and right e MWFRS f grip DOL= 2) TCLL: AS( Plate DOL DOL=1.15 Exp.; Ce= governs. 3) Unbalance design. 4) This truss load of 12 overhange	Max Horiz 5-40 (LC Max Uplift 3=-22 (LC Max Grav 3=77 (LC (LC 22) (lb) - Max. Comp./M (lb) or less except w CE 7-16; Vult=130mpf mph; TCDL=6.0psf; E Enclosed; MWFRS (e 0-0-11-13 to 2-0-3, I tilever left and right ex exposed;C-C for mem or reactions shown; L =1.33 CE 7-16; Pr=20.0 psf; 5 Plate DOL=1.15); Is: 0.9; Cs=1.00; Ct=1.10 ed snow loads have b has been designed fo .0 psf or 2.00 times fla s non-concurrent with	12) 2 (1), (1), (1), (2), (2), (2), (2), (2), (2), (2), (2	)									

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	HJ1	Diagonal Hip Girder	3	1	Job Reference (optional)

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ID:nnnkg7oLkdnNGZN6Yco7BSyduR5-cyrKx659UQamyLJ7GBExdDBhbYhy\_44dG\_XzrpydqPn



Scale = 1:51.8

### Plate Offsets (X, Y): [2:0-3-8,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	TC	0.27	Vert(LL)	-0.01	<b>5</b> -6	>999	240	MT20	244/190			
Snow (Pf/Pg)	) 13.9/20.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.02	5-6	>999	180					
TCDL	10.0	Rep Stress Incr	NO	WB	0.12	Horz(CT)	0.00	5	n/a	n/a					
BCLL	0.0*	Code	RC2018/TPI2014	Matrix-MP											
BCDL	10.0										Weight: 39 lb	FT = 20%			
LUMBER			5) * This truss I	nas been designed f	or a liv	e load of 20	.0psf								
TOP CHORE	2x4 SP No.2			n chord in all areas	where fit both	a rectangle	tom								
BOT CHORL	2x4 SP No.2		chord and a	s-vo-vo tail by z-vo-vo vide will lit between the boltom											
WEBS	2X4 SP No.3		6) Refer to gird	Global and any other intermets.											
WEDGE	Left: 2x4 SP N0.5		<ol> <li>7) Provide med</li> </ol>	<ul> <li>b) Refer to girder(s) for truss to truss connections.</li> <li>7) Provide mechanical connection (by others) of truss to begring plate capable of withstanding 61 b uplift at joint</li> </ul>											
BRACING			bearing plate												
TOP CHORE	) Structural wood she	eathing directly applied or	5.		5		,								
	o-u-u oc puriins, ex	cept end verticals.	8) One H2.5A S	Simpson Strong-Tie	conne	ctors									
BOICHORL	hraning airectly	applied of 10-0-0 oc	recommende	ed to connect truss t	o bear	ing walls due	e to								
			UPLIFT at jt	(s) 2. This connectio	n is foi	uplift only a	ind								
	Milek recommends	s that Stabilizers and	does not cor	does not consider lateral forces.											
	required cross brac	cing be installed during	<ol><li>This truss is</li></ol>	9) This truss is designed in accordance with the 2018											
	Installation guide	ccordance with Stabilizer	International	International Residential Code sections R502.11.1 and											
	installation guide.		R802.10.2 a	K8U2.10.2 and referenced standard ANSI/1P11.											
REACTIONS	(lb/size) 2=318/0-4	4-9, (min. 0-1-8), 5=286/	(0.148"v3.26	10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d											
	Mechanic	al, (min. 0-1-8)		Stondard	s guiun	1165.									
	Max Horiz 2=122 (L0	C 10)	1) Dood + Sp	Stanuaru	orloo	rooco-1 15	Diata								
	Max Uplift 2=-11 (LC	C 11), 5=-61 (LC 8)		15		lease-1.15,	Flate								
	Max Grav 2=382 (L0	C 2), 5=368 (LC 25)	Uniform Lo:	ads (lb/ft)											
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250	Vert: 1-4	=-48, 5-7=-20											
	(lb) or less except w	/hen shown.	Concentrate	ed Loads (lb)											
TOP CHORD	2-10=-408/36, 10-11	1=-356/32, 3-11=-330/16	Vert: 12=	-33, 13=-5, 14=-41											
BOT CHORD	2-13=-67/311, 6-13=	=-56/311, 6-14=-56/311,		,,											
	5-14=-56/311														
VEBS	J-J=-JJ8/54														
NUIES	OF 7 46. \/ult=400	(2 accord quat)													
i) vvina: AS	$C \in 7-16$ ; Vuit=130mpl	1 (3-second gust)													
Vasu=10	Enclosed: MWERS (a	volono): contilover left													
ii, Exp D;	exposed - end vertical	left and right exposed.													
l umber l	OOI = 1.60 plate grip D0	$\Omega = 1.33$													
2) TCII $\cdot$ AS	SCF 7-16: Pr=20.0 nsf	$(roof     \cdot   um DO  = 1.15)$													
Plate DO	L=1.15); Pa=20.0 psf:	Pf=13.9 psf (Lum													
DOL=1.1	5 Plate DOL=1.15); ls=	=1.0; Rough Cat B; Fully													
Exp.; Ce:	=0.9; Cs=1.00; Ct=1.10	)													
3) Unbaland	ed snow loads have b	een considered for this													
design.															
1) This true	s has been designed fo	or greater of min roof live													

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	HJ2	Diagonal Hip Girder	1	1	Job Reference (optional)

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#### NAILED





Scale = 1:46.5

Loading         (pr)         Stacking D         2-0-0         CSI         0.24         VEFL         (po)         (videl Ud)         PLATES         SRP           Stow (PFrg)         13.920.0         (pr)         <					ļ		Į						
BCDL       10.0       Weight 25 lb       FT = 20%         LUMBER TOP CHORD 2x4 SP No.2 WEBS       2x4 SP No.2 2x4 SP No.3 BRACING TOP CHORD Structural wood sheathing directly applied of 4-17 op purifies, except end verticals.       0       One H2.5A Simpson Strong-Tie connectors recommended the connect truss to bearing walls due to UPLIFT at [Hg) 5. This connection is for uplift only and desing dening directly applied or 10-00 bracting.       0       One H2.5A Simpson Strong-Tie connectors recommended the connect truss to bearing walls due to UPLIFT at [Hg) 5. This connection is for uplift only and desing dominant in the recommende that Stabilizers and Inspliced constraints be installed during the trust enerotical part of M2 quidlines.       0       This truss is designed to Consect truss to bearing walls due to UPLIFT at [Hg) 5. This connection is for uplift only and desing dominant in the trust enerotical strant of the face of the trust enerotical part of M2 quidlines.       0       This truss is designed to Consect truss to bearing walls during the trust enerotical strant of the face of the trust enerotical strant of the face of the trust enerotical strant of the load strant of the trust enerotical strant of the trust enerotical strant of the load of 12.0 pr of z.00 times fat roof face of the trust end of the trust enerotic end trust of the species Lumber DOL-11.60 plate grip DOL-11.35 Plate DOL-11.60 plate grip DOL-11.50 Plate to the observent me bottom load of 12.0 pef or 2.00 times fat roof face dot 32.0 pef on the obstrant of the daced.       0       0	Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 ) 13.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-MP	0.24 0.13 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 0.00	(loc) 4-5 4-5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
<ul> <li>LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3</li> <li>BACING TOP CHORD 5x4 SP No.3</li> <li>BACING TOP CHORD 5tructural wood sheathing directly applied or 10-0 oc Market of the second and the second the second the second the second the second and the second and the second and any other members.</li> <li>A the second the second second the second and the second and the second and any other members.</li> <li>A the second the second the second and the second and the second and any other members.</li> <li>A the second the second the second and the second and the second the</li></ul>	BCDL	10.0										Weight: 25 lb	FT = 20%
bearing plate capable of withstanding 19 lb uplift at joint 4.	BCDL LUMBER TOP CHORE BOT CHORE BRACING TOP CHORE BOT CHORE BOT CHORE BOT CHORE REACTIONS FORCES NOTES 1) Wind: AS Vasd=100 II; Exp B; and right Lumber D DOL=1.1 Exp.; Ce: governs. 3) Unbalance design. 4) This truss load of 11 coverhang 5) * This tru on the bo 3-06-00 t chord am 6) Refer to g 7) Provide r	<ul> <li>10.0</li> <li>2x4 SP No.2</li> <li>2x4 SP No.2</li> <li>2x4 SP No.3</li> <li>Structural wood shet 4-1-7 oc purlins, ex</li> <li>Rigid ceiling directly bracing.</li> <li>MiTek recommend: required cross brack truss erection, in at Installation guide.</li> <li>(Ib/size) 4=115/ M: 5=218/0-4</li> <li>Max Horiz 5=62 (LC Max Uplift 4=-19 (LC Max Grav 4=142 (LC (Ib) - Max. Comp./M (Ib) or less except w</li> <li>CE 7-16; Vult=130mpf 3mph; TCDL=6.0psf; E Enclosed; MWFRS (e exposed; end vertical DOL=1.60 plate grip DC SCE 7-16; Pr=20.0 psf; L=1.15); Pg=20.0 psf; 5 Plate DOL=1.15); Is=0.9; Cs=1.00; Ct=1.10; ced snow loads have b s has been designed for 2.0 psf or 2.00 times fit gs non-concurrent with ss has been designed for 2.0 psf or 1.00 wide will d any other members.</li> <li>girder(s) for truss to tru mechanical connection</li> </ul>	eathing directly applied of coept end verticals. y applied or 10-0-0 oc s that Stabilizers and cing be installed during coordance with Stabilizer echanical, (min. 0-1-8), 4-9, (min. 0-1-8) 8) C 8), 5=-58 (LC 7) C 18), 5=-283 (LC 18) lax. Ten All forces 250 yhen shown. h (3-second gust) 3CDL=6.0psf; h=25ft; Ca invelope); cantilever left l left and right exposed; OL=1.33 (roof LL: Lum DOL=1.1t Pf=13.9 psf (Lum =1.0; Rough Cat B; Fully 0; Min. flat roof snow loa eeen considered for this or greater of min roof live at roof load of 13.9 psf of other live loads. for a live load of 20.0ps; s where a rectangle l fit between the bottom iss connections. (by others) of truss to	<ul> <li>8) One H2.5A recommend UPLIFT at jt does not col</li> <li>9) This truss is Internationa R802.10.2 a</li> <li>10) "NAILED" in (0.148"x3.25</li> <li>11) In the LOAD of the truss is</li> <li>LOAD CASE(S)</li> <li>1) Dead + Sm. Increase=1 Uniform Lo Vert: 1-2 Concentrat Vert: 7=0</li> <li>at.</li> </ul>	Simpson Strong- ed to connect tru (s) 5. This conne- nsider lateral ford designed in acc I Residential Coo In referenced sl dicates 3-10d (0 5") toe-nails per I 0 CASE(S) sectic are noted as fror 5 standard ow (balanced): L .15 ads (lb/ft) =-48, 2-3=-48, 4 ed Loads (lb) 0 (F=0, B=0)	Tie conne iss to beau action is fo ces. ordance w de section: tandard AH 148"x3") NDS guidi on, loads a th (F) or ba .umber Inc -5=-20	ctors ing walls due r uplift only a ifth the 2018 is R502.11.1 SSI/TPI 1. or 2-12d nes. pplied to the ick (B). rease=1.15,	e to ind and face Plate				Weight: 25 lb	FT = 20%
	<ol> <li>Refer to g</li> <li>Provide r</li> <li>bearing p</li> <li>4.</li> </ol>	girder(s) for truss to tru nechanical connection plate capable of withsta	iss connections. (by others) of truss to anding 19 lb uplift at joint	t									

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	M1	Half Hip Girder	1	1	Job Reference (optional)

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NAILED



One H2.5A Special



Scale = 1:52

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO RC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-MP	0.15 0.54 0.03	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.08 0.00	(loc) 5-6 5-6 5	l/defl >999 >711 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 32 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 5-0-0 oc purlins; ex 2-0-0 oc purlins; 3-4 Rigid ceiling directly bracing. MiTek recommends required cross brac truss erection, in ac Installation guide.	eathing directly applied or ccept end verticals, and t. v applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	<ul> <li>7) * This truss I on the botton 3-06-00 tall I chord and at</li> <li>8) Bearing at jousing ANSI/ designer shot</li> <li>9) Provide mec bearing plate</li> <li>10) One H2.5A S recommended UPLIFT at jt and does noo</li> <li>11) This truss is International R802.10.2 at</li> <li>12) Graphical put</li> </ul>	has been designed m chord in all areas by 2-00-00 wide wi ny other members. bint(s) 5 considers FPI 1 angle to grain build verify capacity chanical connections at joint(s) 5. Simpson Strong-Tic ed to connect truss (s) 6 and 5. This con designed in accord Residential Code nd referenced star rifin representation	I for a liv s where ill fit betv parallel fi n formula of bear of bear on (by oth e connect s to bear ponection orces. dance w sections ndard AN i does nd	e load of 20 a rectangle veen the bot o grain valu a. Building ng surface. ers) of truss ctors ing walls dut n is for uplift ith the 2018 i R502.11.1 SI/TPI 1. st depict the	.0psf tom e to e to only and size					
<ul> <li>REACTIONS</li> <li>FORCES</li> <li>NOTES</li> <li>1) Unbalance design.</li> <li>2) Wind: ASC Vasd=103 II; Exp B; I and right end Lumber DI</li> <li>3) TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce=I roof snow exposed s accordance</li> <li>4) Unbalance design.</li> <li>5) This truss load of 12.</li> </ul>	(Ib/size) 5=253/0- 6=273/0-3 (Max Horiz 6=60 (LC Max Uplift 5=-38 (LC Max Grav 5=261 (LC (Ib) - Max. Comp./M (Ib) or less except w ed roof live loads have ce 7-16; Vult=130mpf mph; TCDL=6.0psf; B Enclosed; MWFRS (e exposed; end vertical OL=1.60 plate grip DC CE 7-16; Pr=20.0 psf =1.15); Pg=20.0 psf =1.15); Pg=20.0 psf =1.15); Pg=20.0 psf =1.15); Pg=20.0 psf =1.15); Ses=1.00; Ct=1.10 load governs. Rain s urfaces with slopes le with IBC 1608.3.4. ed snow loads have b has been designed fc 0 psf or 2.00 times file	1-8, (min. 0-1-8), 3-8, (min. 0-1-8) 8) (29), 6=-52 (LC 7) C 29), 6=348 (LC 33) ax. Ten All forces 250 when shown. be been considered for this (3-second gust) (CDL=6.0psf; h=25ft; Cat nvelope); cantilever left left and right exposed; DL=1.33 (roof LL: Lum DOL=1.15 Pf=18.9 psf (Lum =1.0; Rough Cat B; Fully 0, Lu=50-0-0; Min. flat urcharge applied to all ses than 0.500/12 in een considered for this or greater of min roof live at roof load of 13.9 psf on	or the orient. bottom chord 13) "NAILED" in (0.148"x3.25 14) Hanger(s) on provided suf down and 32 design/selec s responsibility 15) In the LOAD of the truss a LOAD CASE(S) 1) Dead + Snd Increase=1 Uniform Lo Vert: 1-2: Concentrat Vert: 3=-	ation of the purlin a d. dicates 3-10d (0.14 ") toe-nails per ND r other connection of ficient to support of 2 lb up at 3-0-0 on tion of such conne y of others. CASE(S) section, are noted as front ( Standard bw (balanced): Lun .15 ads (lb/ft) =-48, 2-3=-48, 3-4* ed Loads (lb) 24 (F), 7=-122 (F)	along the 48"x3") o S guidli device(s oncentra bottom cction de loads a (F) or ba nber Inco =-58, 5-6	e top and/or or 3-12d nes. ) shall be ated load(s) chord. The vice(s) is the oplied to the ck (B). rease=1.15, s=-20	122 lb face Plate					

6) Provide adequate drainage to prevent water ponding.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	M2	Monopitch	3	1	Job Reference (optional)

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-1-0-0 5-0-0 1-0-0 5-0-0 4x6= 3<sup>12</sup> 3 3x5 = -9--71 2 2-11-10 2-8-2 WBL F W2 W1 1-8-10 5-0 0-3<u>-8 )</u> B1 124 2x4 **I** 3x5= 3x5=



Т



One H2.5A

#### Scale = 1:44.5

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.40 0.18 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a -0.03 0.00	(loc) - 4-5 4	I/defl n/a >999 n/a	L/d 999 180 n/a	PLATES MT20 Weight: 32 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 5-0-0 oc purlins, ex Rigid ceiling directly bracing. MiTek recommender required cross bract truss erection, in ac Installation guide.	eathing directly applied o ccept end verticals. r applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	<ul> <li>6) Bearing at jousing ANSI/designer sho</li> <li>7) Provide mecbearing plate</li> <li>8) One H2.5A Strecommender</li> <li>PPLIFT at jt(and does no</li> <li>9) This truss is International R802.10.2 at LOAD CASE(S)</li> </ul>	int(s) 4 considers TPI 1 angle to grai juid verify capacity hanical connection at joint(s) 4. Simpson Strong-Ti ed to connect truss s) 5 and 4. This co- t consider lateral f designed in accor Residential Code nd referenced star Standard	parallel n formul y of bear n (by oth e connectio orces. dance w s sections ndard AN	to grain value a. Building ing surface. ers) of truss ctors ing walls due n is for uplift ith the 2018 s R502.11.1 a ISI/TPI 1.	e to e to only and					
REACTIONS	(Ib/size) 4=148/0-1 5=215/0-3 Max Horiz 5=77 (LC Max Uplift 4=-9 (LC Max Grav 4=192 (LC	I-8, (min. 0-1-8), 3-8, (min. 0-1-8) 12) 12), 5=-35 (LC 11) C 22), 5=288 (LC 22)										
<ul> <li>FORCES</li> <li>NOTES</li> <li>1) Wind: ASC Vasd=103r II; Exp B; E Exterior(2E zone; cant and right e MWFRS fc grip DOL=</li> <li>2) TCLL: ASC Plate DOL: DOL=115 Exp.; Ce=( governs.</li> <li>3) Unbalance design.</li> <li>4) This truss load of 12.</li> </ul>	(ib) - Max. Comp./M (ib) or less except w E 7-16; Vult=130mph nph; TCDL=6.0psf; B Enclosed; MWFRS (e E) -0-11-13 to 2-0-3, In ilever left and right ex xposed; C-C for mem or reactions shown; Lu 1.33 E 7-16; Pr=20.0 psf; Plate DOL=1.15); Is= 0.9; Cs=1.00; Ct=1.10; d snow loads have be has been designed fo 0 psf or 2.00 times file	ax. Ten All forces 250 then shown. CDL=6.0psf; h=25ft; Ca nvelope) and C-C nterior (1) 2-0-3 to 4-8-8 posed ; end vertical left bers and forces & umber DOL=1.60 plate (roof LL: Lum DOL=1.15 Pf=13.9 psf (Lum =1.0; Rough Cat B; Fully ); Min. flat roof snow load een considered for this or greater of min roof live at roof load of 13.9 psf of	t. d									
5) * This truss on the bott 3-06-00 tal chord and	non-concurrent with s has been designed om chord in all areas I by 2-00-00 wide will any other members.	other live loads. for a live load of 20.0psf where a rectangle fit between the bottom										

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	М3	Monopitch Girder	1	2	Job Reference (optional)

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Carter Components, Sanford, NC, user





HTU26

Scale = 1:41.6

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

Loading         (psf)           TCLL (roof)         20.0           Snow (Pf/Pg)         13.9/20.0           TCDL         10.0           BCLL         0.0*           BCDL         10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code If	2-0-0 1.15 1.15 NO RC2018/TPI2014	CSI TC BC WB Matrix-MP	0.24 0.84 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.08 n/a	(loc) 3-4 3-4 -	l/defl >999 >697 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 67 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3 BRACING TOP CHORD Structural wood s 5-0-0 oc purlins, BOT CHORD Rigid ceiling direct bracing. REACTIONS (lb/size) 3=1215 4=733/( Max Horiz 4=69 (L	eathing directly applied or xcept end verticals. ly applied or 6-0-0 oc 0-1-8, (min. 0-1-8), -3-8, (min. 0-1-8) 2 8)	<ol> <li>* This truss I on the botton 3-06-00 tall I chord and ar</li> <li>Bearing at jo using ANSI/ designer shot</li> <li>Provide mec bearing plate</li> <li>One H2.5A S recommende UPLIFT at jtt and does no</li> <li>This truss is</li> </ol>	has been designed f in chord in all areas by 2-00-00 wide will by other members. int(s) 3 considers par (FPI 1 angle to grain build verify capacity of hanical connection thanical connection at joint(s) 3. Simpson Strong-Tie ad to connect truss t (s) 4 and 3. This cor the consider lateral for designed in accord	for a liv where fit betw arallel f formula of bear (by oth connectio rces. ance w	e load of 20. a rectangle veen the bot o grain value a. Building mg surface. ers) of truss ctors ing walls due n is for uplift ith the 2018	0psf tom e to only					
<ul> <li>Max Uplift 3=-90 (I Max Grav 3=1644</li> <li>FORCES (Ib) - Max. Comp./ (Ib) or less except</li> <li>NOTES</li> <li>1) 2-ply truss to be connected to nails as follows: Top chords connected as follo oc.</li> <li>Bottom chords connected as follows: 2x</li> <li>2) All loads are considered equa except if noted as follows: 2x</li> <li>2) All loads are considered equa except if noted as fornt (F) or CASE(S) section. Ply to ply cr provided to distribute only loa unless otherwise indicated.</li> <li>3) Wind: ASCE 7-16; Vult=130m Vasd=103mph; TCDL=6.0psf; II; Exp B; Enclosed; MWFRS and right exposed; end vertic Lumber DOL=1.60 plate grip I</li> <li>4) TCLL: ASCE 7-16; Pr=20.0 ps DOL=1.15 Plate DOL=1.15); I Exp.; Ce=0.9; Cs=1.00; Ct=1. governs.</li> <li>5) Unbalanced snow loads have</li> </ul>	$C_8$ ), 4=-50 (LC 7) (LC 27), 4=984 (LC 25) Max. Ten All forces 250 when shown. jether with 10d (0.131"x3") ws: 2x4 - 1 row at 0-9-0 ollows: 2x6 - 2 rows 4 - 1 row at 0-9-0 oc. ly applied to all plies, back (B) face in the LOAD nnections have been ls noted as (F) or (B), oh (3-second gust) BCDL=6.0psf; h=25ft; Cat. envelope); cantilever left al left and right exposed; JOL=1.33 f (roof LL: Lum DOL=1.15 ; Pf=13.9 psf (Lum s=1.0; Rough Cat B; Fully I0; Min. flat roof snow load been considered for this	International R802.10.2 a 11) Use Simpso 11-10dx1 1/2 max. starting connect trus bottom chore 12) Fill all nai he <b>LOAD CASE(S)</b> 1) Dead + Smc Increase=1 Uniform Loc Vert: 1-2: Concentrat Vert: 5=-4	Residential Code s and referenced stand n Strong-Tie HTU26 2 Truss) or equivaler at 2-0-0 from the le (s(es) B2 (1 ply 2x4 d. bles where hanger is Standard ww (balanced): Lumb 15 ads (lb/ft) =-48, 3-4=-20 ed Loads (lb) 324, 6=-824	lard AN (20-11 nt space SP) to s in cor	R502.11.1 i ISI/TPI 1. Jd Girder, ed at 2-0-0 to back face of atact with lun rease=1.15,	and oc nber. Plate					

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	PB3	Piggyback	1	1	Job Reference (optional)

0-4-13

Carter Components, Sanford, NC, user

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3 个







Scale = 1:33.9

### Plate Offsets (X, Y): [2:0-2-1,0-1-0], [3:0-2-8,Edge], [4:0-2-1,0-1-0]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.02 0.03 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a n/a	(loc) - - -	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 11 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 Structural wood she 3-9-2 oc purlins. Rigid ceiling directly bracing. MiTek recommends required cross brac truss erection, in ac Installation guide.	eathing directly applied or v applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	<ul> <li>8) * This truss I on the botton 3-06-00 tall I chord and at</li> <li>9) One H2.5A S recommendu UPLIFT at jt does not cor</li> <li>10) This truss is International R802.10.2 a</li> <li>11) See Standar Detail for Cc consult qual</li> </ul>	has been designed in chord in all area by 2-00-00 wide winy other members. Simpson Strong-Tire do connect truss (s) 2. This connect usider lateral force: designed in accor Residential Code nd referenced star d Industry Piggyba nnection to base to find huilding design	I for a liv s where ill fit betv e connec to bear ion is for s. dance w sections dard AN ack Trus russ as a per	e load of 20.0 a rectangle veen the botto ctors ing walls due r uplift only an ith the 2018 \$ R502.11.1 ai SI/TPI 1. \$ Connection applicable, or	opsf om to d					
REACTIONS . (lb) - 1 (lb) - 1 FORCES NOTES 1) Unbalance design. 2) Wind: ASC Vasd=103r II; Exp B; E Exterior(2E vertical left forces & M DOL=1.60 3) Truss desi only. For s see Standa or consult 4 1) TCLL: ASC Plate DOL: DOL=1.15 Exp.; Ce=C 5) This truss 1 load of 12. overhangs 6) Gable requ 7) Gable stud	All bearings 2-5-11. Max Horiz 2=26 (LC Max Uplift All uplift 1 2, 6 Max Grav All reactio (s) 2, 4, 6 (lb) - Max. Comp./M (lb) or less except w d roof live loads have E 7-16; Vult=130mph mph; TCDL=6.0psf; B Enclosed; MWFRS (e E) zone; cantilever lef and right exposed; C WFRS for reactions s plate grip DOL=1.33 igned for wind loads i studs exposed to wind ard Industry Gable Er =1.15); Pg=20.0 psf; =1.15); Pg=20.0 psf; Plate DOL=1.15); Is= 0.9; Cs=1.00; Ct=1.110; 0.9; Cs=1.00; Ct=1.110; 0 psf or 2.00 times fla non-concurrent with uires continuous botto (s spaced at 2-0-0 oc	12), 6=26 (LC 12) 00 (lb) or less at joint(s) ons 250 (lb) or less at joint , 10 ax. Ten All forces 250 when shown. the been considered for thi a (3-second gust) GCDL=6.0psf; h=25ft; Cat nvelope) and C-C t and right exposed; end -C for members and shown; Lumber in the plane of the truss d (normal to the face), nd Details as applicable, igner as per ANSI/JTPI 1. (roof LL: Lum DOL=1.15 Pf=13.9 psf (Lum =1.0; Rough Cat B; Fully or greater of min roof live at roof load of 13.9 psf or other live loads. om chord bearing.	LOAD CASE(S)	Standard								

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	PB4	Piggyback	3	1	Job Reference (optional)

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2-5-11

3x5 = 3

Scale = 1:33.9

# Plate Offsets (X, Y): [2:0-2-1,0-1-0], [3:0-2-8,Edge], [4:0-2-1,0-1-0]

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	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pt/Pg)	13.9/20.0	Lumber DOL Bon Stroop Inor	1.15 VES	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCU	10.0	Codo		Notrix MD	0.00		n/a	-	n/a	n/a		
BCDI	10.0	Code	11(02010/1712014	IVIAUIX-IVIF							Weight <sup>.</sup> 11 lb	FT = 20%
	10.0	-				=					Wolght. This	
BCLL BCDL LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD (lb) - FORCES NOTES 1) Unbalanc design. 2) Wind: AS Vasd=10: II; Exp B; Exterior (	0.0* 10.0 2x4 SP No.2 2x4 SP No.2 Structural wood she 3-9-2 oc purlins. Rigid ceiling directly bracing. MiTek recommends required cross brac truss erection, in at Installation guide. All bearings 2-5-11. Max Horiz 2=26 (LC Max Uplift All uplift 1 2,6 Max Grav All reaction (s) 2, 4, 6 (b) or less except w ed roof live loads have CE 7-16; Vult=130mpf Bmph; TCDL=6.0psf; B Enclosed; MWFRS (e	Code athing directly applied of applied or 10-0-0 oc a that Stabilizers and ing be installed during coordance with Stabilizer 12), 6=26 (LC 12) 00 (lb) or less at joint(s) ns 250 (lb) or less at joint(s) ns 250 (lb) or less at joint(s) ax. Ten All forces 250 hen shown. been considered for the n (3-second gust) CDL=6.0psf; h=25ft; Ca nvelope) and C-C t and right exposed ; en C for exposed ; en	IRC2018/TPI2014 8) * This truss I on the botto 3-06-00 tall chord and a 9) One H2.5A \$ recommend UPLIFT at jt does not cor 10) This truss is International R802.10.2 a 11) See Standau Detail for Cc consult qual LOAD CASE(S) int	Matrix-MP mas been designer m chord in all are- by 2-00-00 wide v ny other members Simpson Strong-T ed to connect trus (s) 2. This connect nsider lateral forco designed in acco designed in acco l Residential Code nd referenced sta rd Industry Piggyb innection to base ified building desi Standard	ed for a liv as where vill fit betw s. Tie connections sto bear stion is for es. ordance w e sections andard AN back Truss andard AN back Truss gner.	e load of 20.0 a rectangle veen the botto ctors ing walls due uplift only an ith the 2018 s R502,11.1 at ISI/TPI 1. s Connection applicable, or	ipsf om to d				Weight: 11 lb	FT = 20%
forces & I DOL=1.6	MWFRS for reactions s 0 plate grip DOL=1.33	shown; Lumber										
<ol> <li>Truss de only. For see Stan</li> </ol>	signed for wind loads i studs exposed to wind dard Industry Gable Er	n the plane of the truss d (normal to the face), nd Details as applicable										
4) TCLL: AS Plate DO DOL=1.1 Exp.: Ce:	or consult qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp: Co=1.0; Cs=1.00; Cts=1.10;											
5) This truss load of 12 overhang	This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.											
<ol> <li>Gable red</li> <li>Gable stu</li> </ol>	uires continuous botto ds spaced at 4-0-0 oc.	om chord bearing.										

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	PB5	Piggyback	1	1	Job Reference (optional)

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0-8-0 7-8-11 2-4-5 5-4-5 7-0-11 1-8-5 3-0-0 1-8-5 0-8-0 0-8-0 9 F 3x5= 3x5= 2x4 **I** 3 **I** 5 0-1=14रे ST 6 0 0-4-10 B1 7 8 2x4 = 2x4 II 2x4 = 6-4-11

Scale = 1:34.2

### Plate Offsets (X, Y): [3:0-2-8,Edge], [5:0-2-8,Edge]

0-1-14

0-1-10

1-7-14

0-1-10

1-9-8

Loa TCI	ding L (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0	CSI TC	0.07	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190
Snc	w (Pf/Pg)	18.9/20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
тсі	DL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	13	n/a	n/a		
BCI	_L	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCI	DL	10.0										Weight: 24 lb	FT = 20%
LUI TOF BO OTI BR TOF	MBER P CHORD T CHORD HERS ACING P CHORD T CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-C Rigid ceiling directly bracing. MiTek recommends required cross brac truss erection, in ad Installation quide	eathing directly applied of cept 0-0 max.): 3-5. r applied or 10-0-0 oc s that Stabilizers and cing be installed during coordance with Stabilize	<ul> <li>4) TCLL: ASCE Plate DOL= DOL=1.15 F Exp.; Ce=0. roof snow lo exposed sur accordance</li> <li>5) Unbalanced design.</li> <li>6) This truss ha load of 12.0 overhangs r</li> <li>7) Provide ade</li> <li>8) Gable requir</li> <li>9) Cable study</li> </ul>	E 7-16; Pr=20.0 psf 1.15); Pg=20.0 psf; Plate DOL=1.15); Is 9; Cs=1.00; Ct=1.11 ad governs. Rain s faces with slopes le with IBC 1608.3.4. snow loads have b as been designed fi psf or 2.00 times fi ion-concurrent with quate drainage to p res continuous bott	(roof LI Pf=18.9 =1.0; Re 0, Lu=5 surcharg ess thar opeen col or great at roof I other li prevent	L: Lum DOL= 9 psf (Lum ough Cat B; F 0-0-0; Min. fla ge applied to i 0.500/12 in nsidered for t er of min root pad of 13.9 p ve loads. water pondin d bearing.	1.15 Fully at all his f live psf on g.					
		installation guide.		9) Gable studs	spaced at 4-0-0 oc	). far a lii	a load of 20	Onef					
RE/	ACTIONS (lb) -	All bearings 6-4-11. Max Horiz 2=-29 (LC Max Uplift All uplift 1 2, 6, 9, 13 Max Grav All reactio (s) 2, 6, 9 39)	2 13), 9=-29 (LC 13) 00 (lb) or less at joint(s) ons 250 (lb) or less at joi , 13 except 8=260 (LC	10) This truss on the botto 3-06-00 tall chord and a 11) One H2.5A recommend UPLIFT at jt and does no	<ul> <li>on the bottom chord in all areas where a rectangle</li> <li>3-06-00 tall by 2-00-00 wide will fit between the bottom</li> <li>chord and any other members.</li> <li>11) One H2.5A Simpson Strong-Tie connectors</li> <li>recommended to connect truss to bearing walls due to</li> <li>UPLIFT at jt(s) 2 and 6. This connection is for uplift only</li> </ul>								
FOF	RCES	(lb) - Max. Comp./M	ax. Ten All forces 250	12) This truss is	designed in accord	dance w	ith the 2018						
		(lb) or less except w	hen shown.	Internationa	Residential Code	sections	R502.11.1 a	and					
NO 1)	l ES Linhalana	ed roof live loads have	heen considered for th	R802.10.2 a	nd referenced stan	dard AN	ISI/TPI 1.						
')	design.			Detail for Co	nnection to base tr	IUK ITUS TISS AS :	applicable or	r					
2) 3)	Wind: ASI Vasd=103 II; Exp B; Exterior(2 vertical le forces & I DOL=1.60 Truss des only. For see Stand	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B Enclosed; MWFRS (e (E) zone; cantilever lef ft and right exposed;C MWFRS for reactions s 0 plate grip DOL=1.33 signed for wind loads i studs exposed to wind dard Industry Gable Er	n (3-second gust) CDL=6.0psf; h=25ft; Ca nvelope) and C-C t and right exposed ; en -C for members and shown; Lumber n the plane of the truss d (normal to the face), nd Details as applicable,	Letail for Cc consult qual at. 14) Graphical pu or the orient d bottom chor LOAD CASE(S)	innection to base tr ified building design irlin representation ation of the purlin a d. Standard	uss as a ner. does n llong the	applicable, or	size					
	or consult	t qualified building des	igner as per ANSI/TPI 1										

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	PB6	Piggyback	3	1	Job Reference (optional)

BCLL

BCDL

2)

3)

4)

5)

overhangs non-concurrent with other live loads.

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-8-11 3-10-5 Q-8-0 7-0-11 0 - 8 - 03-2-5 3 - 2 - 50-8-0 4x5 =3 9 T ST1 2-9-6 2-9-6 2-1 2 0-4-10 **B1** 6 2x4 = 2x4 II 2x4 = 6-4-11 Scale = 1:31 Loading Spacing 2-0-0 CSI DEFL l/defl L/d PLATES GRIP (psf) in (loc) TCLL (roof) 20.0 Plate Grip DOL 0.13 Vert(LL) 999 244/190 1.15 TC n/a MT20 n/a Snow (Pf/Pg) 13 9/20 0 Lumber DOL 1.15 BC 0.13 Vert(CT) n/a n/a 999 TCDL 10.0 Rep Stress Incr YES WB 0.02 0.00 2 Horz(CT) n/a n/a IRC2018/TPI2014 0.0 Matrix-MP Code 10.0 Weight: 27 lb FT = 20%6) Gable requires continuous bottom chord bearing. LUMBER Gable studs spaced at 4-0-0 oc. TOP CHORD 2x4 SP No.2 7) BOT CHORD 2x4 SP No.2 8) \* This truss has been designed for a live load of 20.0psf 2x4 SP No.3 on the bottom chord in all areas where a rectangle OTHERS 3-06-00 tall by 2-00-00 wide will fit between the bottom BRACING chord and any other members. TOP CHORD Structural wood sheathing directly applied or 9) One H2.5A Simpson Strong-Tie connectors 6-0-0 oc purlins. recommended to connect truss to bearing walls due to BOT CHORD Rigid ceiling directly applied or 10-0-0 oc UPLIFT at jt(s) 2 and 4. This connection is for uplift only bracing. and does not consider lateral forces. MiTek recommends that Stabilizers and 10) This truss is designed in accordance with the 2018 required cross bracing be installed during International Residential Code sections R502.11.1 and truss erection, in accordance with Stabilizer R802.10.2 and referenced standard ANSI/TPI 1. Installation guide. See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or REACTIONS All bearings 6-4-11. consult qualified building designer. (lb) - Max Horiz 2=51 (LC 12), 7=51 (LC 12) LOAD CASE(S) Standard Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11 Max Grav All reactions 250 (lb) or less at joint (s) 2, 4, 6, 7, 11 FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. NOTES 1) Unbalanced roof live loads have been considered for this design Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-3-1 to 3-3-1, Interior (1) 3-3-1 to 3-10-11, Exterior(2R) 3-10-11 to 6-8-11, Interior (1) 6-8-11 to 7-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	PB7	Piggyback	1	1	Job Reference (optional)

2x4 =

Carter Components, Sanford, NC, user

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3x5 =

2x4 =



3x5 =









2x4 II

6-4-11

Scale = 1:28.5

### Plate Offsets (X, Y): [3:0-2-8,Edge], [5:0-2-8,Edge]

Loading TCLL (ro Snow (F TCDL BCLL BCLL BCDL	(psf) of) 20.0 f/Pg) 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC () BC () WB () Matrix-MP	0.07 0.12 0.03	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 13	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 25 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBE TOP CH BOT CHO BRACIN TOP CH BOT CH BO	<ul> <li>CRD 2x4 SP No.2</li> <li>ORD 2x4 SP No.2</li> <li>ORD 2x4 SP No.2</li> <li>2x4 SP No.3</li> <li>G</li> <li>ORD Structural wood shifts of the second second</li></ul>	eathing directly applied of coept 0-0 max.): 3-5. y applied or 10-0-0 oc is that Stabilizers and cing be installed during ccordance with Stabilizers (2 14), 9=32 (LC 14) 100 (Ib) or less at joint(s) 3 ons 250 (Ib) or less at joint(s) 3 lax. Ten All forces 250 when shown. e been considered for th h (3-second gust) 3GCDL=6.0psf; h=25ft; Ca envelope) and C-C ft and right exposed ; en C-C for members and shown; Lumber bin the plane of the truss d (normal to the face), nd Details as applicable signer as per ANSI/TPI 1 (roof LL: Lum DOL=1.11 Pf=18.9 psf (Lum =1.0; Rough Cat B; Fully 0, Lu=50-0-0; Min. flat surcharge applied to all ess than 0.500/12 in	<ul> <li>5) Unbalanced design.</li> <li>6) This truss ha load of 12.0 overhangs n</li> <li>7) Provide ade so and the second seco</li></ul>	snow loads have bee as been designed for g psf or 2.00 times flat i on-concurrent with ot quate drainage to pre es continuous bottom spaced at 4-0-0 oc. has been designed for m chord in all areas w by 2-00-00 wide will fi y other members. Simpson Strong-Tie ca ed to connect truss to (s) 2 and 6. This conn designed in accordar Residential Code sea nd referenced standa rd Industry Piggyback innection to base trus fied building designer irlin representation do ation of the purlin alor d. Standard	r cor greate roof k her liv vent v a chor r a liv here t betw onnec bearin ees. to ce wi ctions Truss r. pes no ng the	asidered for the er of min roof bad of 13.9 p: re loads. water ponding d bearing. e load of 20.0 a rectangle veen the botto ctors ng walls due n is for uplift of ith the 2018 R502.11.1 a SJ/TPI 1. s Connection applicable, or ot depict the s top and/or	his f live sf on g. Dpsf om to only ind						
acco	rdance with IBC 1608.3.4.												

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	VL1	Valley	1	1	Job Reference (optional)

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3







Scale = 1:33

		-									-	-
Loading	(psf)	Spacing	2-0-0	CSI	0.40	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (root)	20.0	Plate Grip DOL	1.15		0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Show (Pt/Pg)	) 13.9/20.0	Lumber DOL	1.15	BC	0.16	Vert(IL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horiz(IL)	0.00	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/1PI2014	Matrix-MP								FT 000/
BCDL	10.0										Weight: 27 lb	FT = 20%
LUMBER			6) Provide med	hanical conne	ction (by oth	ers) of truss	; to					
TOP CHORD	) 2x4 SP No.2		bearing plat	e capable of wi	ithstanding 1	00 lb uplift a	at joint					
BOT CHORD	) 2x4 SP No.2		(s) 1, 3, 3.									
OTHERS	2x4 SP No.3		<ol><li>This truss is</li></ol>	designed in ac	ccordance w	ith the 2018						
BRACING			Internationa	Residential C	ode sections	8 R502.11.1	and					
TOP CHORD	) Structural wood she	Structural wood sheathing directly applied or R802.10.2 and referenced standard ANSI/TPI 1.										
	7-1-13 oc purlins.	saamig anoon) approo	LOAD CASE(S)	Standard								
BOT CHORD	Rigid ceiling directly	y applied or 6-0-0 oc										
	bracing.											
	MiTek recommend	s that Stabilizers and										
	required cross brac	cing be installed during	1									
	truss erection, in a	ccordance with Stabiliz	zer									
	Installation guide.											
REACTIONS	All bearings 7-1-13											
(lb) -	- Max Horiz 1=53 (I C	: 10)										
(15)	Max Uplift All uplift 1	100 (lb) or less at joint(	s)									
	1. 3. 9		0)									
	Max Grav All reaction	ons 250 (lb) or less at j	oint									
	(s) 1, 3, 9	except 4=577 (LC 2)										
FORCES	(lb) - Max. Comp./N	1ax. Ten All forces 25	50									
	(lb) or less except w	vhen shown.										
TOP CHORD	1-2=-75/268, 2-3=-7	76/272										
WEBS	2-4=-445/181											
NOTES												
1) Unbalanc	ed roof live loads have	e been considered for	this									
2) Wind AS	CF 7-16 <sup>·</sup> Vult=130mpl	h (3-second aust)										
Vasd=103	3mph; TCDL=6.0psf; E	3CDL=6.0psf; h=25ft; 0	Cat.									
II; Exp B;	Enclosed; MWFRS (e	envelope) and C-C										
Exterior(2	2E) 0-0-5 to 3-0-5, Inte	erior (1) 3-0-5 to 3-7-3,										
Exterior(2	2R) 3-7-3 to 6-4-12, Int	terior (1) 6-4-12 to 7-2-	-2									
zone; car	ntilever left and right ex	xposed ; end vertical le	eft									
and right	exposed;C-C for mem	bers and forces &										
	TOF reactions shown; L	umper DOL=1.60 plate	e									
	= 1.33 CE 7 16: Dr-20 0 pof	(roof LL: Lum DOL =1	15									
	I = 1 + 10, $PI = 20.0  psi$	Pf=13.9 nsf (Lum	IJ									
DOI = 1.1	5 Plate DOI =1 15). Is:	=1.0: Rough Cat B: Fu	llv									
	=0.9 Cs=1.00 Ct=1.10	n, nough out b, r u	" <i>J</i>									
4) Gable red	quires continuous botto	om chord bearing.										
5) * This true	ss has been designed	for a live load of 20.0p	sf									

4) 5) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	VL2	Valley	1	1	Job Reference (optional)

Run: 8.63 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:12:46 Page: 1 ID:ymhjTDxqvCNFPayTLOfVIcyft4U-YLz4Mo6P01qTBfTVNbGPieG5xMQPS?7wjI03vhydqPI

3-6-10





3-6-10

Scale = 1:30.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Show (PT/Pg	) 13.9/20.0	Lumber DOL Ron Stross Incr	1.15 VES	BC	0.04	Vert(IL)	n/a	- 2	n/a	999 n/a			
BCU	0.0*	Code	IRC2018/TPI2014	Matrix-MP	0.02	TIONZ(TL)	0.00	5	II/a	II/a			
BCDL	10.0		11(02010)11 12014	Mathx-IIII							Weight: 12 lb	FT = 20%	
			7) This truss is	designed in a	ccordance w	ith the 2018			-				
TOP CHORE	2x4 SP No.2		Internationa	Residential C	ode sections	R502.11.1	and						
BOT CHORE	2x4 SP No.2		R802.10.2 a	nd referenced	standard AN	ISI/TPI 1.							
OTHERS	2x4 SP No.3	2x4 SP No.3     LOAD CASE(S) Standard											
BRACING													
TOP CHORE	O Structural wood she	Structural wood sheathing directly applied or											
	3-6-10 oc purlins.	3-6-10 oc purlins.											
BUICHURL	bracing	y applied of 6-0-0 oc											
	MiTek recommend	s that Stabilizers and											
	required cross brac	cing be installed during											
	truss erection, in a	ccordance with Stabilize	er										
	Installation guide.												
REACTIONS	(lb/size) 1=37/3-6-	-10, (min. 0-1-8),											
	3=39/3-6-	-10, (min. 0-1-8),											
	4=164/3-0 Max Hariz 1= 25 (10	6-10, (min. 0-1-8)											
	Max Holiz 1=-25 (LC	14)											
	Max Grav 1=50 (LC	30), 3=52 (LC 31), 4=1	94										
	(LC 2)												
FORCES	(lb) - Max. Comp./M (lb) or less except w	lax. Ten All forces 250 /hen shown.	)										
NOTES													
1) Unbaland	ced roof live loads have	e been considered for t	nis										
2) Wind AS	CE 7-16: Vult=130mp	h (3-second qust)											
Vasd=10	3mph; TCDL=6.0psf; E	3CDL=6.0psf; h=25ft; C	at.										
II; Exp B	; Enclosed; MWFRS (e	nvelope) and C-C											
Exterior(2	2E) zone; cantilever lef	ft and right exposed ; er	nd										
forces &	MWERS for reactions	shown: Lumber											
DOL=1.6	0 plate grip DOL=1.33	Shown, Euriber											
3) TCLL: AS	SCE 7-16; Pr=20.0 psf	(roof LL: Lum DOL=1.1	5										
Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.45 Plate DOL=1.45; Pd=4.0; Paueb Cot P: Fully													
DUL=1.1 Exp : Co	5 Plate DUL=1.15); IS: =0.9: Cs=1.00: Ct=1.10	- ו.ט; Kough Cat B; Full ח	у										
4) Gable re	quires continuous botto	om chord bearing.											
5) * This tru	ss has been designed	for a live load of 20.0ps	f										
on the bo	ottom chord in all areas	where a rectangle											

3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 3.