Job	Truss	Truss Type		Qty	Ply	ERIC	SON HOME	S/STEV	ENS	
4452735	A01	Scissor Structural	Gable	1	1		- f	ť I)		
ilders FirstSource, Mi	d-Atlantic Design Group, user		Run: 8.82 S	Sep 25 2024	Print: 8.82		eference (op 024 MiTek Ind		c. Thu Feb 20 20:	:59:32 Page
,	5 - 1,			-		-				Hk9mYz3uXcB9BP0zj7
			12-11-8 -11-8	40.44	20-11-8	24-11	-8			
	* <u>2</u> 2	<u>-11-8_4-11-86-11-88-11-8</u> -11-8_2-0-0_2-0-0_2-0-0_2-	<u>16-1</u> 0-0 [*] 2-0-0 [*] 4-0		<u> </u>	2-11-8 2-0-0 [*] 2-0-	26-11-8 29 0 2-0-0 2-	-11-0 -11-8		
	x	7-7-8 7-7-8	<u>14-11-8</u> 7-4-0	<u>, 22-</u> 7-4	3-8	*	<u>29-11-0</u> 7-7-8	*		
		1-1-0	7-4-0	7	-0		7-7-0			
			4x							
	Ť		9) }						
		3	x6≠ 39	10						
		8 ¹² 6	7 w	5	11 3x6	*				
		3x6 =	ST5	517	515	2_{3x6}				
	11-5-4	4	W4 S So	153 5	W4 d	1314				
	,	3 T1 W8 29 ST4	28 27 3x8 27	33	316 ST 316 ST	4 1	a 15			
		2 ST2 ST3	23 23	8=		ST3	sT2 16			
	5x6	30 25 24	23	4-10-11	1 20	19 36	ST A	5x6 x		
	1-5-9 Wi	32 91 25 4x6=		-4		4x6≈	37 38			
	↓ ¹ ↓ 26						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		8	
	2x4=	4 12						2x4=		
				10-1-2				1	0-1-2	
	0-3-8 **	1=1=0	14-11-8	. 22-		*	29-7-8	29-11-		
ale = 1:68.5	0-3-8	7-4-0	7-4-0	7-4	I-U		7-4-0	0-3-8		
ate Offsets (X, Y):	[1:Edge,0-1-12], [17:Edge,	0-1-12]								
o ading CLL (roof)	(psf) Spacing 20.0 Plate Grip	2-0-0 DOL 1.15			EFL ert(LL)		(loc) l/defl 8-19 >999		PLATES MT20	GRIP 244/190
CDL	10.0 Lumber D				ert(CT)	-0.15 18		240	101120	244/190
CLL CDL	0.0* Rep Stres 10.0 Code	s Incr YES IRC2021/TPI2014			orz(CT) /ind(LL)	0.01 0.00 18	19 n/a 8-19 >999	n/a 240	Weight: 220 lb	ET - 20%
	10.0 Code	IKC2021/1F12014				0.00 10	-19 -999	240	vveigitt. 220 ib	FT = 20%
UMBER				BRACING	_					
	4 SP No.2 4 SP No.2			TOP CHOR	D		wood sheat d verticals.	hing dire	ctly applied or	6-0-0 oc purlins,
EBS 2x4	4 SP No.3 *Except* W1:2x4	SP No.2		BOT CHOR	D	Rigid ceili	ng directly a		6-0-0 oc braci	ng, Except:
THERS 2x4 EACTIONS All be	4 SP No.3					10-0-0 oc	pracing: 25-2 bracing: 18-	19.		
(lb) - Max I	Horiz 26=-359 (LC 8)			JOINTS		1 Brace a 33, 34, 37	t Jt(s): 27, 28 7-38	3, 31, 32		
Max l		ss at joint(s) 18, 22, 26 except 3), 21=-128 (LC 13), 23=-129				MiTek re	commends t			ired cross bracing l
	24=-192 (LC 3), 25=-	154 (LC 12)				installed Installatio		erection,	in accordance	with Stabilizer
Max (or less at joint(s) 20, 24 excep 28), 21=311 (LC 22), 22=370 (
00050		651 (LC 21), 26=296 (LC 22)								
ORCES OP CHORD	(lb) - Max. Comp./Max. Te 1-26=-260/110, 17-18=-26	n All forces 250 (lb) or less e: 9/127	xcept wnen shown.							
OT CHORD	25-26=-393/497, 24-25=-2	72/233, 23-24=-235/259, 22-23		05 20 24-	000/060	25 20- 20	1/270			
/EBS		10, 5-25=-442/222, 1-32=-328 31/239, 37-38=-304/255, 17-38		200, 30-31=-	290/209,	20-30=-30	1/∠/∪,			
OTES	of live leads have been	aidered for this dealers								
Wind: ASCE 7-		d gust) Vasd=99mph; TCDL=6								
		(1) 2-11-8 to 14-11-8, Exterior nbers and forces & MWFRS fo						ntilever le	ft and right exp	oosed ; end
		e of the truss only. For studs e						lo End F	ataila aa annli	

qualified building designer as per ANSI/TPI 1. All plates are 2x4 (||) MT20 unless otherwise indicated.

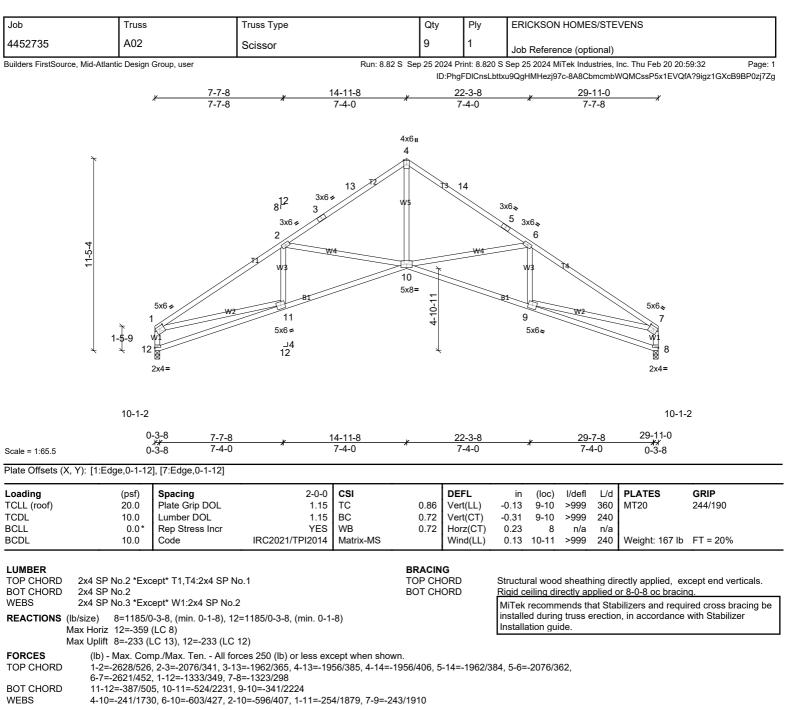
4)

5) Gable studs spaced at 2-0-0 oc.

6)

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 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 7) any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 18, 22 except (jt=lb) 19=129, 25=153, 23=129, 24=191, 21=127, 20=191.



NOTES

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

2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 14-11-8, Exterior(2R) 14-11-8 to 17-11-8, Interior (1) 17-11-8 to 29-9-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) * 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.

5) Bearing at joint(s) 12, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 12 and 233 lb uplift at joint 8.

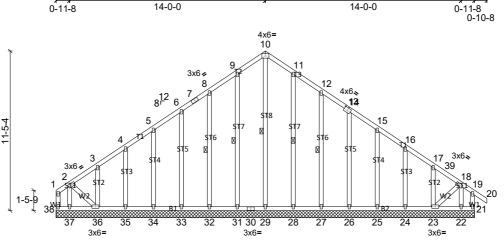
lab										
Job	Truss		Truss Type		Qty	Ply	ERICKSO	N HOMES/STE	VENS	
4452735	A03		Common		12	1	Job Refer	ence (optional)		
Builders FirstSource, Mid-Atlan	ntic Design	Group, user		Run: 8.82	S Sep 25 20	24 Print: 8.82		,	Inc. Thu Feb 20 20:	59:32 Page: 1
						ID:il6KFyV	qCjdTldkmpij_Fiz	97E-8A8Cbmcmb		f959I_z12XcB9BP0zj7Zg
	,	r <u>7-7-</u> 8 7-7-8	3*	<u>14-11-8</u> 7-4-0	*	22-3-8	*	29-11-0	30-9-8 4 0-10-8	
		7-7-0	5	7-4-0		7-4-0		7-7-8	0-10-8	
					40					
					4x6∎ 4					
Ť				/						
				14 72		(3 , 15				
			12	3x6 ¢		3/13				
			8 ¹² 3				3x6 ≈			
			4x6 \$	wa	Wa		4X0			
4			2	1/	./.)	6			
11-5-4			TI							
		/					Wa	//Th		
			412 V/3				//	W2	<	
	MT20	DHS 7x14 H							MT20HS 7x14	II
)	4//	//	\ //				,	7 8	
	1-5-9 ^V	V1	B1	¥		}	в.	,	9 °	
ŕ	τ 13.	8	16 17	12 18 11		19 1		21		
				4x6= 4x6			6=			
	10-1-2								10-1·	-2
		1	0-0-13	1 ا	9-10-3		,	29-11-0	V	
Scale = 1:65.5	/	, 1	0-0-13	4	9-9-5	~		10-0-13	А	
Plate Offsets (X, Y): [1:Ed	lge,0-3-8],	[7:Edge,0-3-8]								
Loading	(psf)	Spacing	2-0	0-0 CSI		DEFL	in (loc)) I/defl L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL		15 TC	0.92	Vert(LL)	-0.10 10-12		MT20	244/190
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr		15 BC ES WB	0.57 0.73	Vert(CT) Horz(CT)	-0.17 12-13 0.04 9		MT20HS	187/143
BCDL	10.0	Code	IRC2021/TPI20		0.1.0	Wind(LL)	0.05 10-12		Weight: 209 lb	FT = 20%
			•						•	
LUMBER TOP CHORD 2x4 SP	No.2				TOP CHO		Structural wo	od sheathing di	rectly applied, ex	cept end verticals.
BOT CHORD 2x6 SP		*****			BOT CHO	ORD			or 10-0-0 oc brac	ing.
		ept* W1:2x4 SP N		0.4.44)	WEBS		1 Row at mid		2-13, 6-9	red cross bracing be
REACTIONS (lb/size) Max Horiz), 13=1184/0-3-8, (min	i. 0-1-11)					n, in accordance	
Max Uplift	9=-262 (L	_C 13), 13=-233 (L					Installation g	uide.		
		LC 22), 13=1416 (
			forces 250 (lb) or less 14=-1851/426, 4-14=-			5=-1847/43	2 5-6=-1961/3	98		
6-7=-	646/305,	1-13=-461/221, 7-	9=-595/303					,		
			560, 12-17=-305/1560, 52, 20-21=-159/1552, 9		1-18=-42/10	066, 11-19=	-42/1066,			
			2, 20-21-103/1002, 3		1/176 6 0-	- 1400/115				
10-19		,	4-12=-262/870, 2-12=-	381/399, 2-13=-15	91/170, 0-9-	-1400/115				
10-19 WEBS 4-10= NOTES	=-258/863	, 6-10=-374/395, 4		381/399, 2-13=-15	51/170, 0-9-	1400/113				
10-19WEBS4-10NOTES1)Unbalanced roof live	=-258/863, e loads hav	, 6-10=-374/395, 4 ve been considere	ed for this design.				at III: Eve O: E		PS (onvolone) and	orior zono and
10-19 WEBS 4-10: NOTES 1) Unbalanced roof live 2) Wind: ASCE 7-16; V C-C Exterior(2E) 0-1	=-258/863 e loads hav /ult=125mp -12 to 3-1	, 6-10=-374/395, 4 ve been considere ph (3-second gust -12, Interior (1) 3-		=6.0psf; BCDL=6.0 ior(2R) 14-11-8 to	psf; h=25ft; 17-11-8, Inte	Ke=0.99; C erior (1) 17-				

All plates are MT20 plates unless otherwise indicated.
This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 13 and 262 lb uplift at joint 9.

Job	Truss	Truss Type		Qty	Ply	ERICKSON HC	MES/STE	EVENS	
4452735	A03A	Common		6	1				
	id-Atlantic Design Group, user	Common	Rup: 8.82		Print: 8.82	Job Reference	· · /	Inc. Thu Feb 20 20:59:32	2 Page
	a-Adamic Design Group, user		Nun. 0.02	-				WQMCssP5x1EVQf9N9	-
	K	7-7-8 7-7-8	14-11-8	r	22-3-8	V	29-11-0	30-9-8 * * 0-10-8	
	X	7-7-8	7-4-0	И	7-4-0	4	7-7-8	0-10-8	
				4x6॥ 4					
11.5.4	4x6n 1-5-9 13 4x8=	8 ² 3 4x6 ≠ 2 11 10 16 17	14 ¹² 3x6 =			3x6х 5 4x6х 6 W3 0 22 2 12=	3	5x6 II 7 8 9 MT20HS 7x14 =	
icale = 1:65.5 Ilate Offsets (X, Y):	10-1-2 *	<u>10-0-13</u> 10-0-13	<u>≭ 13-11-0</u> ≭ 3-10-3	<u>19-10-3</u> 5-11-3		<u>, 29</u> -1 10-0		10-1-2 *	
Loading	(psf) Spacing	2.	0-0 CSI		EFL	in (loc) l/d	efl L/d	PLATES GF	RIP
TCLL (roof)	20.0 Plate Grip	DOL 1	.15 TC	0.90 V	ert(LL)	-0.09 9-10 >9	99 360	MT20 24	4/190
CDL BCLL	10.0 Lumber D 0.0* Rep Stres		.15 BC ES WB		ert(CT) orz(CT)	-0.21 10-12 >9 0.05 9 r		MT20HS 18	7/143
	10.0 Code	IRC2021/TPI20			ind(LL)	0.05 10-12 >9	n/a n/a 99 240	Weight: 223 lb FT	= 20%
3OT CHORD 2x NEBS 2x REACTIONS (Ib/siz Max	Horiz 13=347 (LC 11) Uplift 9=-162 (LC 13), 13=-	SP No.2 I SP No.2 D-1-14), 13=1284/0-3-8, (mir 133 (LC 12)	n. 0-1-13)	BRACING TOP CHOR BOT CHOR WEBS		Rigid ceiling directl 1 Row at midpt MiTek recommend	y applied	rectly applied, except or 10-0-0 oc bracing. 2-13, 6-9 abilizers and required on, in accordance with	cross bracing b
Max (Grav 9=1574 (LC 22), 13= (lb) - Max Comp /Max Tel	1514 (LC 21) n All forces 250 (lb) or less	s except when show	/n					
OP CHORD	1-2=-506/236, 2-3=-2133/2	35, 3-14=-2019/259, 4-14=-			-2013/25	53, 5-6=-2126/230,			
OT CHORD	6-7=-642/315, 1-13=-457/2 13-16=-173/1692, 16-17=-	27, 7-9=-595/309 173/1692, 12-17=-173/1692	, 12-18=0/1149, 18-	-19=0/1152, 11	-19=0/11	160, 11-20=0/1166.			
/EBS	,	54, 10-22=-28/1682, 22-23=	,		2/0				
/EBS OTES		/413, 4-12=-159/971, 2-12=-	JJJ7417, Z-1J=-177		L/U				
) Unbalanced ro) Wind: ASCE 7 C-C Exterior(2 exposed;C-C f	E) 0-1-12 to 3-1-12, Interior or members and forces & M	sidered for this design. d gust) Vasd=99mph; TCDL (1) 3-1-12 to 14-11-8, Exter WFRS for reactions shown; chord, 14-11-8 from left en.	ior(2R) 14-11-8 to 1 Lumber DOL=1.60	17-11-8, Interio plate grip DOI	r (1) 17-1 _=1.60				
) All plates are N	MT20 plates unless otherwis	e indicated.		•					
		sf bottom chord live load nor bad of 20.0psf on the bottom				00 tall by 2-00-00 wi	de will fit	between the bottom c	hord and
	bers, with BCDL = 10.0psf.) of truss to bearing plate ca	nable of withstandi	na 133 lb unlift	at joint 1	3 and 162 lb unlift at	ioint 9		

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 13 and 162 lb uplift at joint 9.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	A04	Common Supported Gable	1	1	Job Reference (optional)
Builders FirstSource, Mid-Atlar	ntic Design Group, user	Run: 8.82 S Se	p 25 2024 Pr	int: 8.820 S	Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1
			ID	:blmz_aXrh1	Vg6JNgY0A?zwzj9?R-cMibp6dOMpZDq0RcffYT2eCXoZCxid6grrukxSzj7Zf
	2-11- 0-11-8 * * 0-11-8 2-0-0	4-11-86-11-88-11-8 12-11-8 16- *2-0-0*2-0-0*2-0-0*2-0-0*2-0-0*2-0-0*2-		20-11-8	24-11-8 28-11-8
	0-11-8	14-11-8		28-1	30-9-8 1-8 29-11-0



10-1-2 26-11-8 24-0-0

29<u>-11-0</u>

2-11-8

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

Scale = 1:68

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 242 lb	FT = 20%

		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,
BOT CHORD	2x4 SP No.2		except end verticals.
WEBS	2x4 SP No.2 *Except* W2:2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
OTHERS	2x4 SP No.3		6-0-0 oc bracing: 22-23,21-22.
REACTIONS	All bearings 29-11-0.	WEBS	<u>1 Row at midpt</u> <u>10-29, 9-31, 8-32, 11-28, 12-27</u>
	•		MiTek recommends that Stabilizers and required cross bracing be
(lb) - l	Max Horiz 38=-370 (LC 8)		
1	Max Uplift All uplift 100 (lb) or less at joint(s) 21, 22, 24, 25, 26, 27, 28, 31,		installed during truss erection, in accordance with Stabilizer
	32, 33, 34, 35, 38 except 23=-269 (LC 13), 36=-284 (LC 12),		Installation guide.
	37=-127 (LC 10)		
	- ()		
	Max Grav All reactions 250 (lb) or less at joint(s) 21, 22, 24, 25, 26, 27,		

 28, 31, 32, 33, 34, 35, 38 except 23=251 (LC 22), 29=258 (LC 13), 36=299 (LC 21), 37=253 (LC 22)

 FORCES
 (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

 TOP CHORD
 8-9=-154/257, 9-10=-192/320, 10-11=-192/320, 11-12=-154/257

 BOT CHORD
 37-38=-331/337, 36-37=-331/337

 WEBS
 10-29=-269/104, 2-37=-258/185, 18-23=-158/279, 2-36=-254/303

<u>, 2-11</u>-8

2-11-8

NOTES

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

 Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-1-12 to 2-11-8, Exterior(2N) 2-11-8 to 14-11-8, Corner(3R) 14-11-8 to 17-11-8, Exterior(2N) 17-11-8 to 30-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) All plates are 2x4 (||) MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

7) Gable studs spaced at 2-0-0 oc.

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

9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 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) 38, 21, 31, 32, 33, 34, 35, 28, 27, 26, 25, 24, 22 except (jt=lb) 36=283, 37=126, 23=269.

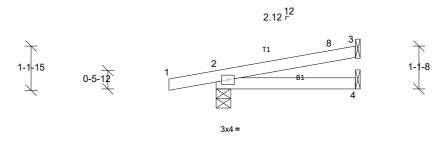
Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	CJ01	Jack-Open	2	1	Job Reference (optional)

 Run: 8.82 S
 Sep 25 2024 Print: 8.820 S
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 ID:KeKIRyvV2OSruoqHD1eyuGzjvms-cMibp6dOMpZDq0RcffYT2eCWXZCAifjgrrukxSzj7Zf

 ✓ -1-2-14
 3-7-12

 ✓ 1-2-14
 3-7-12



8-6-10

8-6-10

9-4-5

Scale = 1:21.4				X		3-7-12		/				
Loading	(psf)	Spacing	2-0-0	-	0.47	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) TCDL	20.0 10.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC BC	0.17 0.13	Vert(LL) Vert(CT)	0.02 -0.01	4-7 4-7	>999 >999	240 240	MT20	244/190
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2021/TPI2014	WB Matrix-MP	0.00	Horz(CT)	0.00	3	n/a	n/a	Weight: 13 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2				BRACING TOP CHORD Structural wood sheathing directly applied or 3-7-12 oc pur BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.							
	BOT CHORD 2x4 SP No.2 REACTIONS (lb/size) 2=230/0-4-9, (min. 0-1-8), 3=88/ Mechanical, (min. 0-1-8), 4=43/ Mechanical, (min. 0-1-8) Max Horiz 2=44 (LC 8) Max Uplift 2=-153 (LC 8), 3=-53 (LC 8), 4=-23 (LC 8)							d durin	g truss e		bilizers and requ n, in accordance	ired cross bracing be with Stabilizer
500050	,	C 1), 3=88 (LC 1), 4=	63 (LC 3)									

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES

 Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) -1-2-14 to 3-0-1, Exterior(2R) 3-0-1 to 3-7-0 zone; cantilever left exposed; end vertical left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

3) * 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.

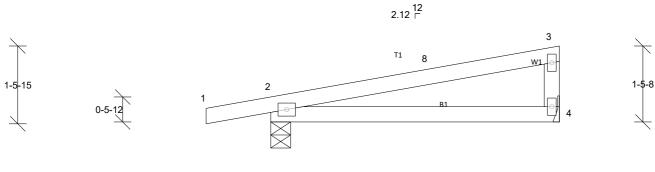
4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 3, 153 lb uplift at joint 2 and 23 lb uplift at joint 4.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	CJ02	Jack-Closed	1	1	Job Reference (optional)

Run: 8.82 S Sep 25 2024 Print: 8.820 S Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1 ID: ZI4FqHAUoRII4sVDG3rH7bz jvYJ-cMibp6dOMpZDq0RcffYT2eCSfZ8pifjgrrukxSzj7Zfficture and the standard standard





3x4 =

2x4 u

2x4 II

Scale = 1:20.5												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.42	Vert(LL)	-0.03	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.08	4-7	>810	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a	1	
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP		Wind(LL)	0.06	4-7	>999	240	Weight: 20 lb	FT = 20%

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals.
WEBS 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (lb/size) 2=298/0-4-9, (min. 0-1-8), 4=207/ Mechanical, (min. 0-1-8) Max Horiz 2=57 (LC 11) Max Uplift 2=-132 (LC 8), 4=-63 (LC 12)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except w	hen shown.	

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Corner (3) -1-2-14 to 3-0-1, Exterior(2R) 3-0-1 to 5-4-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) * 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.

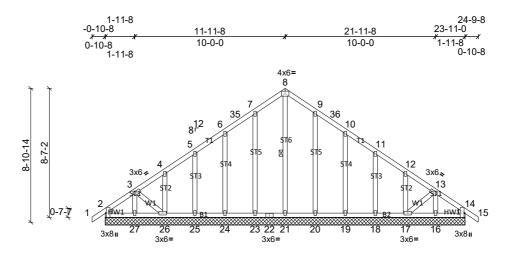
5) Refer to girder(s) for truss to truss connections.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 4 and 132 lb uplift at joint 2. 6)

ſ	Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4	4452735	G01	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.82 S Sep 25 2024 Print: 8.820 S Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1 ID:OQYred7EexK760nE56gFpazjw_m-8A8CbmcmbWQMCssP5x1EVQfNX9t5zACXcB9BP0zj7Zg

13-11-8 17-11-8 21-11-8 <u>1-11-8, 3-11-8, 5-11-8, 7-11-8, 9-11-8</u>11-11-8 15-11-8 19-11-8 23-11-0 <u>1-11-8</u> 2-0-0 2-0-0 2-0-0 2-0-0 2-0-0 2-0-0 2-0-0 2-0-0 2-0-0 1-11-8



Scale = 1:60.2				3-11-8 3-11-8		<u>19-11-8</u> 16-0-0				2 <u>3-11-0</u> 3-11-8	_ *			
Plate Offsets (X, Y):	[2:0-3-8,Edge]	[14:0-3-8,Edge]												
Loading	(psf)	Spacing		2-0-0			DEFL	in	(loc)	l/defl		PLATES	GRIP	

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 162 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.3
	Right: 2x4 SP No.3

REACTIONS All bearings 23-11-0.

(lb) - Max Horiz 2=-261 (LC 10), 28=-261 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 14, 18, 19, 20, 23, 24, 25,

28, 32 except 17=-176 (LC 13), 26=-163 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 14, 16, 17, 18, 19, 20,

21, 23, 24, 25, 26, 27, 28, 32

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

FORCES NOTES

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

 Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 1-11-8, Interior (1) 1-11-8, Exterior(2R) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 24-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) All plates are 2x4 (||) MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Gable studs spaced at 2-0-0 oc.

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

8) * 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.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 23, 24, 25, 20, 19, 18, 2, 14 except (jt=lb) 26=162, 17=176.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD WEBS

9-11-4

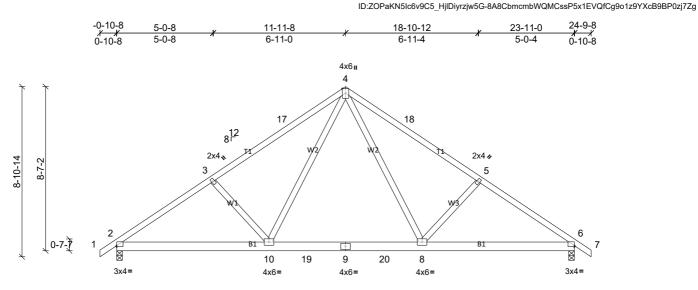
Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. <u>1 Row at midpt</u> 8-21

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	G02	Common	8	1	Job Reference (optional)

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		9-11-4					9-11-4						
Scale = 1:57.7		X	7-11-8 7-11-8	*	<u>15-11-8</u> 8-0-0	*	<u>23-11-0</u> 7-11-8	X					
Plate Offsets (X, Y): [2	:Edge,0-0-10], [6:Edge,0-0-10]											
Laadina	(0		0.01			(1) 1/-1-4 1/-1						

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.08	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.13	8-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.05	8-10	>999	240	Weight: 141 lb	FT = 20%

BOT CHORD WEBS REACTIONS (Ib/ Ma Ma	2x4 SP No.2 2x6 SP No.2 2x4 SP No.3 'size) 2=1009/0-3-8, (min. 0-1-8), 6=1009/0-3-8, (min. 0-1-8) x Horiz 2=-261 (LC 10) x Uplift 2=-218 (LC 12), 6=-218 (LC 13) x Grav 2=1151 (LC 21), 6=-1151 (LC 22)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES TOP CHORD	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when 2-3=-1842/317, 3-17=-1661/307, 4-17=-1549/329, 4-18=-1548/328, 5	-18=-1660/306, 5-6=-184	4/318

BOT CHORD 2-10=-338/1472, 10-19=-56/884, 9-19=-56/884, 9-20=-56/884, 8-20=-56/884, 6-8=-171/1476

WEBS 4-10=-160/705, 4-8=-159/704, 3-10=-430/324, 5-8=-431/325

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 11-11-8, Exterior(2R) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 24-9-8 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 3)

* 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 4) any other members, with BCDL = 10.0psf.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 2 and 218 lb uplift at joint 6. 5)

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	G03	Common	2	1	Job Reference (optional)

Run: 8.82 S Sep 25 2024 Print: 8.820 S Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1 ID:mxKZIS4A_VautIWoKB99cRzjw2i-8A8CbmcmbWQMCssP5x1EVQfCf9ozz8TXcB9BP0zj7Zg

24-9-8 18-10-12 23-11-0 5-0-8 11-11-8 5-0-8 6-11-0 6-11-4 5-0-4 0-10-8 4x6 u 3 16 8¹² 2x4、 2x4 🥠 8-10-14 8-7-2 2 4 5 0-7 B1 6 Ø 9 18 8 19 7 3x4= 3x4= 4x6= 4x6= 4x6=

		9-11-4									9-11-4	
Scale = 1:57.7		*	7-11-8 7-11-8	*	<u>15-11-8</u> 8-0-0		X		<u>23-11-0</u> 7-11-8		<i>*</i>	
Plate Offsets (X, Y)], [5:Edge,0-0-10]			-	-					1	_
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.08	7-9	>999	360	MT20	244/190
. ,										a	1	
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.13	7-9	>999	240		
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES	-	0.38 0.26	,	-0.13 0.02	7-9 5	>999 n/a	240 n/a		

N	2x4 SP No.2 2x6 SP No.2 2x4 SP No.3 Ib/size) 1=956/0-3-8, (min. 0-1-8), 5=1010/0-3-8, (min. 0-1-8) Aax Horiz 1=-255 (LC 8) Aax Upift 1=-193 (LC 12), 5=-219 (LC 13) Aax Grav 1=1100 (LC 21), 5=1152 (LC 22)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES TOP CHORD	(Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when 1-2=-1846/320, 2-16=-1664/311, 3-16=-1553/333, 3-17=-1550/329, 4		5/319

BOT CHORD 1-9=-340/1477, 9-18=-57/886, 8-18=-57/886, 8-19=-57/886, 7-19=-57/886, 5-7=-172/1477

WEBS 3-9=-162/708, 3-7=-159/703, 2-9=-431/325, 4-7=-431/325

NOTES

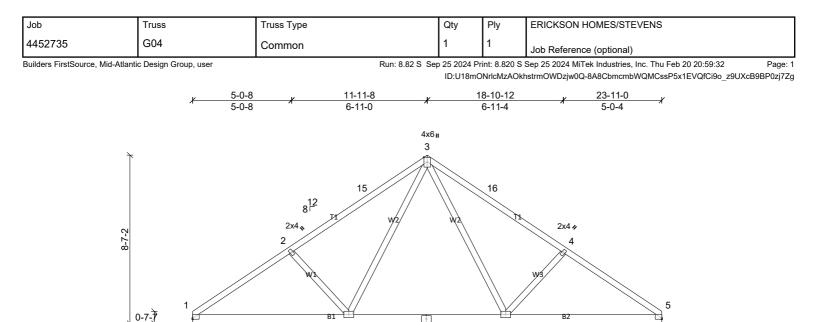
Unbalanced roof live loads have been considered for this design. 1)

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 11-11-8, Exterior(2R) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 24-9-8 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 3)

* 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 4) any other members, with BCDL = 10.0psf.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 1 and 219 lb uplift at joint 5. 5)



8

4x6=

17

7

4x6=

18

6

4x6=

9-11-4

3x4=

9-11-4

Ø

3x4=

Scale = 1:56.2		*	7-11-8 7-11-8	,	<u>15-11-8</u> 8-0-0	*			-11-0 11-8		¥	
Plate Offsets (X,	Y): [1:Edge,0-0-10)], [5:Edge,0-0-10]										
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	0.75	Vert(LL)	-0.08	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.13	6-8	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS	-	Wind(LL)	0.05	6-8	>999	240	Weight: 138 lb	FT = 20%
L UMBER TOP CHORD BOT CHORD	2x4 SP No.2 2x6 SP No.2				BRACIN TOP CH BOT CH	ORD					ectly applied or 2 or 10-0-0 oc brac	•
WEBS REACTIONS (III M	2x4 SP No.3 o/size) 1=957/0- ax Horiz 1=-243 (I		=957/0-3-8, (min. 0-1-8)					d during	g truss e		bilizers and requi n, in accordance	red cross bracing be with Stabilizer

Max Grav 1=1101 (LC 21), 5=1101 (LC 22)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. FORCES

TOP CHORD 1-2=-1847/320, 2-15=-1665/311, 3-15=-1553/334, 3-16=-1552/333, 4-16=-1664/311, 4-5=-1848/321

BOT CHORD 1-8=-352/1470, 8-17=-69/879, 7-17=-69/879, 7-18=-69/879, 6-18=-69/879, 5-6=-196/1471

3-8=-162/707, 3-6=-161/705, 2-8=-431/325, 4-6=-432/326 WEBS

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 11-11-8, Exterior(2R) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 23-11-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

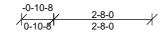
This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 3)

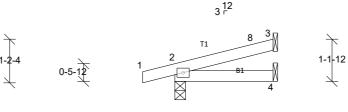
* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 4) any other members, with BCDL = 10.0psf.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 1 and 193 lb uplift at joint 5. 5)

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	J01	Jack-Open	8	1	Job Reference (optional)

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3x4 =

8-6-10

Scale = 1:24					/ 2	2-8-0	\checkmark					
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.09	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-7	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%
		•						-				

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

 REACTIONS
 (lb/size)
 2=165/0-3-8, (min. 0-1-8), 3=64/ Mechanical, (min. 0-1-8), 4=31/ Mechanical, (min. 0-1-8)

 Max Horiz
 2=45 (LC 8)

Max Uplift 2=-107 (LC 8), 3=-41 (LC 8), 4=-18 (LC 8)

Max Grav 2=165 (LC 1), 3=64 (LC 1), 4=46 (LC 3)

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES

 Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 2-7-4 zone; cantilever left exposed; end vertical left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

3) * 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.

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

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 3, 107 lb uplift at joint 2 and 18 lb uplift at joint 4.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 2-8-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

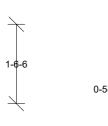
Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	J02		3	1	Job Reference (optional)

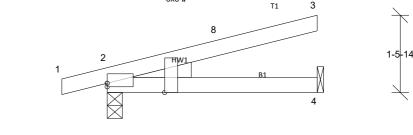
Run: 8.82 S Sep 25 2024 Print: 8.820 S Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1 ID:ZI4FaHAUoRII4sVDG3rH7bzivYJ-cMibp6dOMpZDa0RcffYT2eCSiZ8lifiarrukxSzi7Zf



3x8 II







4-0-8

3x6 =



Plate Offsets (X, Y): [2:Edge,0-0-13], [2:0-2-2,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	0.41	Vert(LL)	0.07	4-7	>676	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.06	4-7	>822	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS Left: 2x4 SP No.3 WEDGE

REACTIONS (lb/size) 2=217/0-3-8, (min. 0-1-8), 4=350/ Mechanical, (min. 0-1-8)

Max Horiz 2=58 (LC 8) Max Uplift 2=-130 (LC 8), 4=-141 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 1) C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 4-0-8 zone; cantilever left exposed; end vertical left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 2)

* 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 3) any other members.

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

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 2 and 141 lb uplift at joint 4. 5)

6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 193 lb down and 71 lb up at 3-11-12 on bottom chord. The design/

selection of such connection device(s) is the responsibility of others.

7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Standard LOAD CASE(S)

Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 1)

Uniform Loads (lb/ft)

Vert: 1-3=-60, 4-5=-20

Concentrated Loads (lb) Vert: 4=-193 (B)

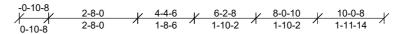
BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 4-0-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

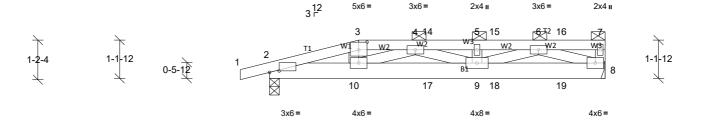
Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M01	Half Hip Girder	2	2	Job Reference (optional)

Run: 8.82 S Sep 25 2024 Print: 8.820 S Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1 ID:99KhX3?acLwxJnHm3enI4SzivIR-cMibp6dOMpZDa0RcffYT2eCXrZBKifrarrukxSzi7Zf



6-2-8

3-8-4



2-6-4

2-6-4



10-0-8

3-10-0

8-6-10



Plate Offsets (X, Y): [2:0-3-7,0-0-9], [3:0-3-0,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.01	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.03	9-10	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.03	9-10	>999	240	Weight: 104 lb	FT = 20%

LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x6 SP No.2 2x4 SP No.2	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-7. Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (lb/size) 2=492/0-3-8, (min. 0-1-8), 8=435/ Mechanical, (min. 0-1-8)		

Max Horiz 2=46 (LC 4)

Max Uplift 2=-314 (LC 4), 8=-270 (LC 5)

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

TOP CHORD 2-3=-1074/663, 3-4=-1000/630, 4-14=-1201/751, 5-14=-1201/751, 5-15=-1201/751, 6-15=-1201/751

BOT CHORD 2-10=-649/1031, 10-17=-784/1249, 9-17=-784/1249, 9-18=-486/777, 18-19=-486/777, 8-19=-486/777

WEBS 4-10=-284/169, 6-9=-287/460, 6-8=-770/482

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

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

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

4) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone;

cantilever left exposed ; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

5) Provide adequate drainage to prevent water ponding.

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

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

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

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 270 lb uplift at joint 8 and 314 lb uplift at joint 2.

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb down and 111 lb up at 2-8-0, 27 lb down and 47 lb up at 4-8-12, and 27 lb down and 47 lb up at 6-8-12, and 27 lb down and 47 lb up at 8-8-12 on top chord, and 34 lb down and 75 lb up at 2-8-0, 15 lb down and 32 lb up at 4-8-12, and 15 lb down and 32 lb up at 6-8-12, and 15 lb down and 32 lb up at 6-8-12, and 15 lb down and 32 lb up at 8-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

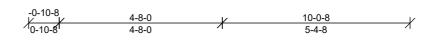
Vert: 1-3=-60, 3-7=-60, 8-11=-20

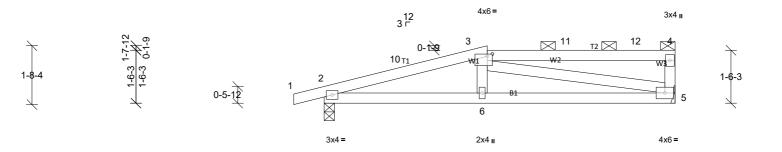
Concentrated Loads (lb)

Vert: 3=-10 (F), 10=-26 (F), 14=-4 (F), 15=-4 (F), 16=-4 (F), 17=-11 (F), 18=-11 (F), 19=-11 (F)

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M02	Half Hip	2	1	Job Reference (optional)

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Scale = 1:29.1

Plate Offsets (X, Y): [3:0-1-12,0-0-12]

			-	-		-					1	-
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	0.06	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.07	5-6	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.42	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 42 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2		BRACING TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
WEBS 2x4 SP No.3 *Except	ot* W3:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-9 oc bracing.
REACTIONS (lb/size) 2=451/0-3- Max Horiz 2=64 (LC 8 Max Uplift 2=-273 (LC	,		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp TOP CHORD 2-10=-869/921, 3 BOT CHORD 2-6=-932/817, 5- WEBS 3-5=-723/826		hen shown.	
NOTER			

NOTES

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

2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 4-8-0, Exterior(2R) 4-8-0 to 8-10-15, Interior (1) 8-10-15 to 9-10-12 zone; cantilever left exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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

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.

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

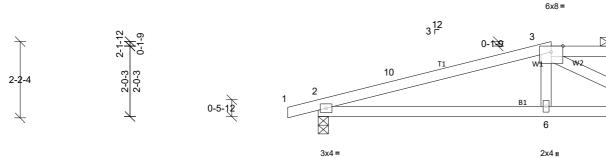
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 5 and 273 lb uplift at joint 2.

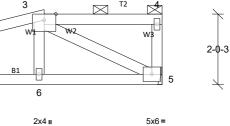
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M03	Half Hip	2	1	Job Reference (optional)

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2x4 II

8-6-10



Scale = 1:28.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	0.11	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.10	6-9	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 41 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 5-10-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4. <u>Rigid ceiling directly applied or 6-4-7 oc bracing.</u>
REACTIONS (lb/size) 2=451/0-3-8, (min. 0-1-8), 5=394/ Mec Max Horiz 2=87 (LC 8) Max Uplift 2=-269 (LC 8), 5=-235 (LC 8)	hanical, (min. 0-1-8)	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 TOP CHORD 2-10=-656/681, 3-10=-612/693 BOT CHORD 2-6=-720/596, 5-6=-706/583 WEBS 3-5=-658/796	(lb) or less except when shown.	

NOTES

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

 Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 6-8-0, Exterior(2E) 6-8-0 to 9-10-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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

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.

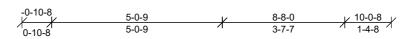
6) Refer to girder(s) for truss to truss connections.

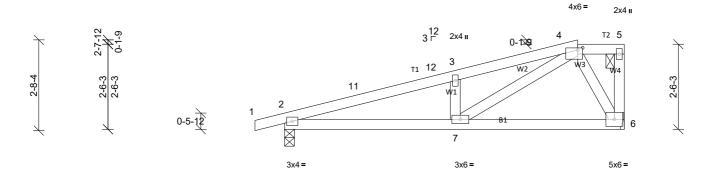
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 269 lb uplift at joint 2 and 235 lb uplift at joint 5.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M04	Half Hip	2	1	Job Reference (optional)

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Scale = 1:29.3

Plate Offsets (X, Y): [4:0-1-12,0-0-12]

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	0.28	Vert(LL)	0.04	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.04	6-7	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.28	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 46 lb	FT = 20%

LUMBER	BRACING	
TOP CHORD 2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,
BOT CHORD 2x4 SP No.2		except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
WEBS 2x4 SP No.3 *Except* W4:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-3-5 oc bracing.
REACTIONS (lb/size) 2=451/0-3-8, (min. 0-1-8), 6=394/ Mechanical, (min. 0-1-8) Max Horiz 2=111 (LC 8) Max Uplift 2=-265 (LC 8), 6=-239 (LC 8)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except whe	n shown.	
TOP CHORD 2-11=-808/778, 11-12=-775/779, 3-12=-747/786, 3-4=-800/863		
BOT CHORD 2-7=-861/751		

WEBS 3-7=-301/284, 4-7=-756/667, 4-6=-383/441

NOTES

1)

Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 8-8-0, Exterior(2E) 8-8-0 to 9-10-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 4)

* 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 5) any other members.

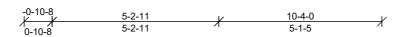
6) Refer to girder(s) for truss to truss connections.

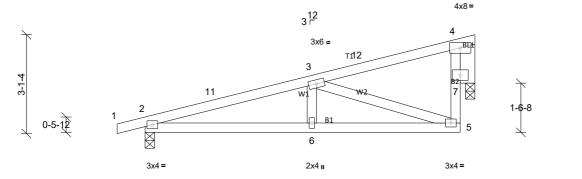
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 2 and 239 lb uplift at joint 6. 7)

Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 8)

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M05	Monopitch	23	1	Job Reference (optional)

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4x6=

8-6-10

10-1-2

Installation guide.

Structural wood sheathing directly applied or 6-0-0 oc purlins.

installed during truss erection, in accordance with Stabilizer

MiTek recommends that Stabilizers and required cross bracing be

Rigid ceiling directly applied or 6-4-5 oc bracing.

V	5-2-11	V	9-10-8	10-4-0
1	5-2-11	1	4-7-13	0-5-8

Scale = 1:31.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	0.05	6-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.04	6-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 47 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

LUMBER

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2WEBS2x4 SP No.3OTHERS2x6 SP No.2

REACTIONS (Ib/size) 2=444/0-3-8, (min. 0-1-8), 7=387/0-3-8, (min. 0-1-8) Max Horiz 2=189 (LC 8) Max Uplift 2=-248 (LC 8), 7=-248 (LC 8) FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-11=-777/702, 3-11=-744/711 BOT CHORD 5-7=-296/272, 2-6=-829/732, 5-6=-829/732

WEBS 3-5=-730/786

NOTES

 Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 9-8-12 zone; cantilever left exposed; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

3) * 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.

4) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

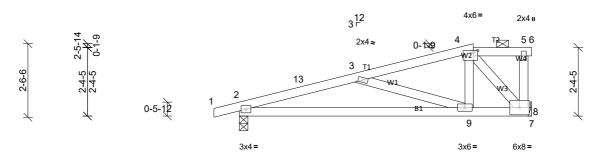
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 2 and 248 lb uplift at joint 7.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M06	Half Hip	1	1	Job Reference (optional)

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-0-10-8 4-2-15 X 8-0-8 X 10-0-8 0-10-8 4-2-15 3-9-9 Z-0-0



8-6-10



Scale = 1:31.9

Plate Offsets (X, Y): [4:0-1-12,0-0-12]

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	0.26	Vert(LL)	-0.07	9-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.14	9-12	>849	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.10	9-12	>999	240	Weight: 46 lb	FT = 20%

LUMBER	BRACING	
TOP CHORD 2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,
BOT CHORD 2x4 SP No.2		except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 4-6.
WEBS 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 5-11-13 oc bracing.
REACTIONS (lb/size) 2=446/0-3-8, (min. 0-1-8), 8=399/ Mechanical, (min. 0-1-8) Max Horiz 2=104 (LC 8) Max Uplift 2=-263 (LC 8), 8=-234 (LC 8)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when s	shown.	

TOP CHORD 2-13=-826/818, 3-13=-801/824, 3-4=-364/369

BOT CHORD 2-9=-902/785, 8-9=-364/307

WEBS 3-9=-521/540, 4-9=-309/357, 4-8=-486/575

NOTES

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

2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 8-0-8, Exterior(2E) 8-0-8 to 10-0-8 zone; cantilever left exposed; end vertical left exposed; porch left and right exposed; C- for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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

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.

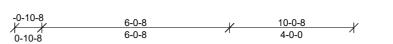
6) Refer to girder(s) for truss to truss connections.

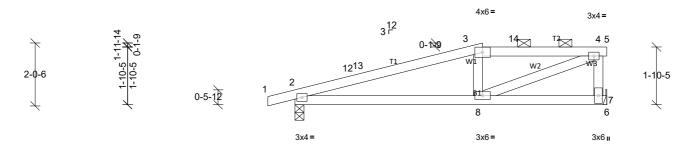
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 2 and 234 lb uplift at joint 8.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M07	Half Hip	1	1	Job Reference (optional)

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Scale = 1:29.8

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	0.46	Vert(LL)	0.08	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.07	8-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.27	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 41 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 REACTIONS (lb/size) 2=446/0-3-8, (min. 0-1-8), 7=399/ Mechanical, (min. 0-1-8), Max Horiz Max Horiz 2=80 (LC 8) 0	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5. Rigid ceiling directly applied or 6-4-14 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation quide.
Max Uplift 2=-268 (LC 8), 7=-230 (LC 8)		inotaliation guido.
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except whe		
TOP CHORD 2-12=-699/722, 12-13=-676/723, 3-13=-659/734, 3-14=-651/771, 4	-14=-654/770, 4-7=-373/438	
BOT CHORD 2-8=-755/641		

WEBS 4-8=-780/662

NOTES

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

 Wind ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 6-0-8, Exterior(2E) 6-0-8 to 10-0-8 zone; cantilever left exposed; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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

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.

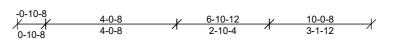
6) Refer to girder(s) for truss to truss connections.

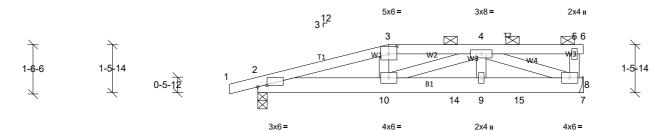
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 7 and 268 lb uplift at joint 2.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M08	Half Hip Girder	1	2	Job Reference (optional)

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8-6-10

V	3-10-12	V	6-10-12	V	9-9-4	10-0-8
Λ	3-10-12	1	3-0-0	1	2-10-8	ィュ 0-3-4

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Scale = 1:29.1
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Plate Offsets (X, Y): [2:0-3-7,0-0-9], [3:0-3-0,0-2-12]

				-								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	-0.02	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.05	9-10	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.03	9-10	>999	240	Weight: 103 lb	FT = 20%

LUMBER TOP CHORD BOT CHORD		BRACING TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-6.
WEBS	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	i (lb/size) 2=827/0-3-8, (min. 0-1-8), 8=1008/ Mechanical, (min. 0-1-8) Max Horiz 2=62 (LC 4) Max Uplift 2=-421 (LC 4), 8=-466 (LC 4)		
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when she	own.	

TOP CHORD 2-3=-2181/1006, 3-4=-2045/970

BOT CHORD 2-10=-989/2092, 10-14=-906/1956, 9-14=-906/1956, 9-15=-906/1956, 8-15=-906/1956

WEBS 3-10=-155/380, 4-9=-208/523, 4-8=-1928/891

NOTES

 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x4 - 110w at 0-5-0 00.

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

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

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

4) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone;

cantilever left exposed ; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

5) Provide adequate drainage to prevent water ponding.

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

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

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

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 2 and 466 lb uplift at joint 8.

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 330 lb down and 153 lb up at 4-0-12, and 330 lb down and 153 lb up at 6-0-12, and 330 lb down and 153 lb up at 8-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-5=-60, 5-6=-20, 7-11=-20

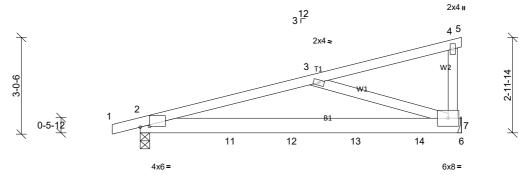
Concentrated Loads (lb)

Vert: 10=-330 (F), 14=-330 (F), 15=-330 (F)

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M09	Monopitch Girder	2	2	Job Reference (optional)

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8-6-10

V	9-9-4	10-0-8
1	9-9-4	0-3-4

Scale = 1:30.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.15	7-10	>761	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.32	7-10	>364	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.29	7-10	>399	240	Weight: 100 lb	FT = 20%

BOT CHORD	2x4 SP No.1 2x6 SP 2400F 2.0E or 2x6 SP DSS 2x4 SP No.2	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
	/size) 2=1091/0-3-8, (min. 0-1-8), 7=1290/ Mechanical, (min. 0-1-8) ax Horiz 2=133 (LC 4) ax Uplift 2=-651 (LC 4), 7=-787 (LC 4)		
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when sho 2-3=-1441/814, 3-4=-317/150 2-11=-922/1469, 11-12=-798/1285, 12-13=-798/1285, 13-14=-798/1285, 3-7=-1075/672		
Top chords	o be connected together with 10d (0.131"x3") nails as follows: connected as follows: 2x4 - 1 row at 0-9-0 oc. ds connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.		

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to 2) distribute only loads noted as (F) or (B), unless otherwise indicated.

Unbalanced roof live loads have been considered for this design. 3)

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; 4) cantilever left exposed; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

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

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 6) any other members.

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

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 651 lb uplift at joint 2 and 787 lb uplift at joint 7. 8)

Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 415 lb down and 282 lb up at 2-9-8, 374 lb down and 244 lb up at 4-8-12, 9) and 374 lb down and 248 lb up at 6-8-12, and 374 lb down and 252 lb up at 8-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 1)

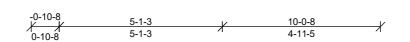
Uniform Loads (lb/ft) Vert: 1-4=-60, 4-5=-20, 6-8=-20

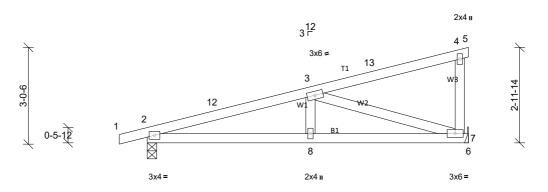
Concentrated Loads (lb)

Vert: 11=-415 (F), 12=-374 (F), 13=-374 (F), 14=-374 (F)

Job		Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
445273	35	M10	Monopitch	8	1	Job Reference (optional)

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8-6-10



Scale = 1:30.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.04	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.04	8-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 44 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2	BRACING TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
WEBS 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 6-5-14 oc bracing.
REACTIONS (lb/size) 2=446/0-3-8, (min. 0-1-8), 7=399/ Mechanical, (min. 0-1-8) Max Horiz 2=133 (LC 8) Max Uplift 2=-256 (LC 8), 7=-247 (LC 8)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except whe TOP CHORD 2-12=-794/681, 3-12=-762/690 BOT CHORD 2-8=-802/740, 7-8=-802/740 WEBS 3-7=-738/795	en shown.	

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-8 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces 2) & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3)

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 4) any other members.

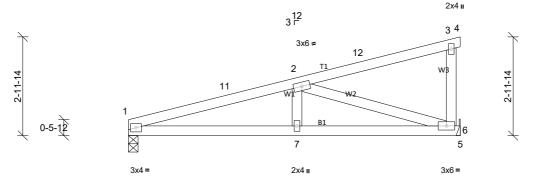
5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 256 lb uplift at joint 2 and 247 lb uplift at joint 7.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M11	Monopitch	2	1	Job Reference (optional)

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8-6-10

8-6-10

V	5-1-3	V	9-9-4	10-0-8
Λ	5-1-3	1	4-8-1	0-3-4

Scale = 1:30.3

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)	-0.02	7-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.05	7-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.03	7-10	>999	240	Weight: 42 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. <u>Rigid ceiling directly applied or 8-2-7 oc bracing.</u>
REACTIONS (lb/size) 1=391/0-3-8, (min. 0-1-8), 6=402/ Mechanical, (min. 0-1-8) Max Horiz 1=119 (LC 8) Max Uplift 1=-98 (LC 8), 6=-138 (LC 8)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except w TOP CHORD 1-11=-869/385, 2-11=-838/393 BOT CHORD 1-7=-497/853, 6-7=-497/853 WEBS 2-6=-853/502	vhen shown.	

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 10-0-8 zone; cantilever left exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; 2) Lumber DOL=1.60 plate grip DOL=1.60

3)

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 4) any other members.

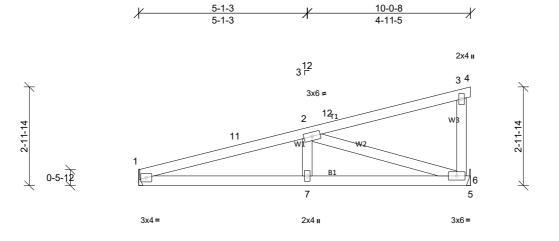
5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 1 and 138 lb uplift at joint 6.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	M12	Jack-Closed	4	1	Job Reference (optional)

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8-6-10



Scale = 1:30.3

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	0.32	Vert(LL)	0.05	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.05	7-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 42 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2	BRACING TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
WEBS 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 6-4-0 oc bracing.
REACTIONS (lb/size) 1=391/ Mechanical, (min. 0-1-8), 6=402/ N 0-1-8) Max Horiz 1=119 (LC 8) Max Uplift 1=-209 (LC 8), 6=-249 (LC 8)	Mechanical, (min.	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) TOP CHORD 1-11=-805/721, 2-11=-768/729 BOT CHORD 1-7=-827/751, 6-7=-827/751 WEBS 2-6=-751/828) or less except when shown.	
NOTES		

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

2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 10-0-8 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

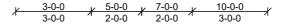
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

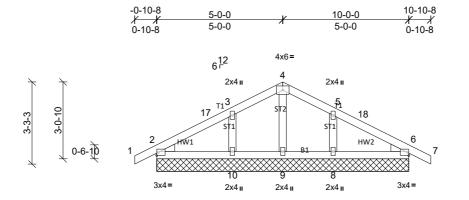
5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 1 and 249 lb uplift at joint 6.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	P01	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.82 S Sep 25 2024 Print: 8.820 S Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1 ID:n5V6HceKGKN?SHygqQhQvQzjvi1-8A8CbmcmbWQMCssP5x1EVQfK?9rizBLXcB9BP0zj7Zg





8-6-10

Scale = 1:33.6			X		10-	0-0			\star			
Loading TCLL (roof) TCDL BCLL	(psf) 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.22 0.14 0.07	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	MT20	GRIP 244/190
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 45 lb	FT = 20%
BOT CHORD 2 OTHERS 2 WEDGE 1	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.				BRACIN TOP CH BOT CH	ORD	Rigid ce MiTek installe	eiling dir recomm	ectly ap ends th i truss e	plied o at Stal	or 6-0-0 oc braci	ired cross bracing be
Ma	x Horiz 2=-61 (L0 x Uplift All uplift 1 13), 10=- x Grav All reactio	122 (LC 12)	t(s) 2, 9, 11 except 8=- ; joint(s) 2, 11 except 8	,				-				
FORCES TOP CHORD BOT CHORD WEBS	2-17=-243/288	, 3-17=-230/328, 3-4= , 9-10=-276/268, 8-9=	ces 250 (lb) or less exe 120/275, 4-5=-107/27 276/268, 6-8=-276/26	1, 5-18=-200/3		214/289						
 Wind: ASCE C-C Exterior(right exposed Truss design qualified build 	7-16; Vult=125m (2E) -0-10-8 to 2- d;C-C for member ned for wind loads ding designer as p	1-8, Interior (1) 2-1-8 rs and forces & MWF s in the plane of the tr	or this design. asd=99mph; TCDL=6.(to 5-0-0, Exterior(2R) { RS for reactions showr uss only. For studs ex	5-0-0 to 8-0-0, n; Lumber DOL	Interior (1) 8 =1.60 plate	-0-0 to 10-1 grip DOL=1	0-8 zone; .60	; cantile	/er left a	and rig	ht exposed ; end	d vertical left and

5) Gable studs spaced at 2-0-0 oc.

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

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

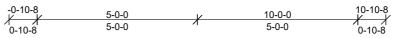
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9, 2 except (jt=lb) 10=122, 8=139. Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6. 8)

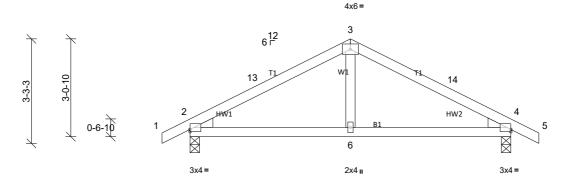
9)

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	P02	Common	1	1	Job Reference (optional)

Run: 8.82 S Sep 25 2024 Print: 8.820 S Sep 25 2024 MiTek Industries, Inc. Thu Feb 20 20:59:32 Page: 1

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8-6-10

8-6-10

V	5-0-0	V	10-0-0	V
1	5-0-0	1	5-0-0	1

Scale = 1:31.1

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

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	0.33	Vert(LL)	0.03	6-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.03	6-12	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 40 lb	FT = 20%

LUMBER

 TOP CHORD
 2x4 SP No.2

 BOT CHORD
 2x4 SP No.2

 WEBS
 2x4 SP No.3

 WEDGE
 Left: 2x4 SP No.3

 Right: 2x4 SP No.3

REACTIONS (lb/size) 2=453/0-3-8, (min. 0-1-8), 4=453/0-3-8, (min. 0-1-8) Max Horiz 2=61 (LC 12) Max Uplift 2=-124 (LC 9), 4=-124 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-13=-520/487, 3-13=-451/503, 3-14=-451/501, 4-14=-520/484

BOT CHORD 2-6=-314/403, 4-6=-314/403

NOTES

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

2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 5-0-0, Exterior(2R) 5-0-0 to 8-0-0, Interior (1) 8-0-0 to 10-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) * 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.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 2 and 124 lb uplift at joint 4.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

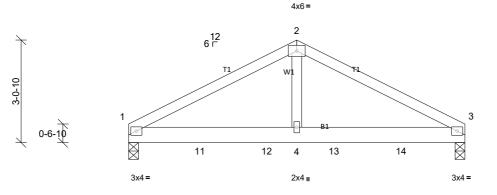
Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	P03	Common Girder	1	2	Job Reference (optional)

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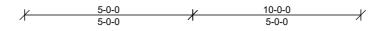


8-6-10

8-6-10

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.



BRACING TOP CHORD

BOT CHORD

Scale = 1:30

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	0.18	Vert(LL)	-0.02	4-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.03	4-10	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.03	4-10	>999	240	Weight: 88 lb	FT = 20%

L	U	N	IB	E	R

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2

REACTIONS	(lb/size)	1=1126/0-3-8, (min. 0-1-8), 3=1157/0-3-8, (min. 0-1-8)
	Max Horiz	1=-52 (LC 9)

Max Uplift 1=-518 (LC 8), 3=-537 (LC 9)

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

 TOP CHORD
 1-2=-1653/782, 2-3=-1652/781

 BOT CHORD
 1-11=-653/1426, 11-12=-653/1426

 WEBS
 2-4=-598/1143

- BOT CHORD 1-11=-653/1426, 11-12=-653/1426, 4-12=-653/1426, 4-13=-653/1426, 13-14=-653/1426, 3-1400, 3-
- WEBS NOTES
- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

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

Unbalanced roof live loads have been considered for this design.

4) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

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

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 518 lb uplift at joint 1 and 537 lb uplift at joint 3.

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 371 lb down and 221 lb up at 2-1-4, 371 lb down and 221 lb up at 4-1-4, and 371 lb down and 221 lb up at 6-1-4, and 371 lb down and 221 lb up at 8-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-60, 2-3=-60, 5-8=-20

Concentrated Loads (lb)

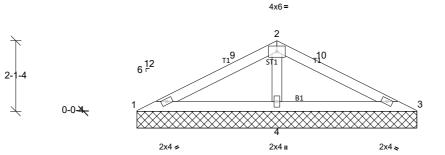
Vert: 11=-371 (B), 12=-371 (B), 13=-371 (B), 14=-371 (B)

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V01	Valley	1	1	Job Reference (optional)

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9-6-0

Scale = 1:23.8			8-4-2							/		
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		, í					Weight: 27 lb	FT = 20%

BOT CHORD 224 3 OTHERS 224 3 REACTIONS (Ib/size) Max Ho	SP No.2 SP No.2 SP No.3 1=59/8-4-2, (min. 0-1-8), 3=59/8-4-2, (min. 0-1-8), 4=550/8-4-2, (min. 0-1-8) riz 1=-40 (LC 13) lift 1=-19 (LC 12), 3=-28 (LC 13), 4=-106 (LC 12)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 8-4-2 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
Max Gr. FORCES (II TOP CHORD 2-	av 1=86 (LC 27), 3=86 (LC 28), 4=550 (LC 1) b) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shov 9=-146/276, 2-10=-135/276 4=-461/334	/n.	
1) Unbalanced roof	live loads have been considered for this design. ૪; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0	psf; h=25ft; Ke=0.99;	Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and

C-C Exterior(2E) 0-0-8 to 3-0-8, Interior (1) 3-0-8 to 4-2-9, Exterior(2R) 4-2-9 to 7-2-4, Interior (1) 7-2-4 to 8-4-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult

3) qualified building designer as per ANSI/TPI 1.

4) Gable requires continuous bottom chord bearing.

5) Gable studs spaced at 4-0-0 oc.

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

* This truss has been designed for a live load of 20.0psf 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 7) any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 28 lb uplift at joint 3 and 106 lb uplift at joint 4.

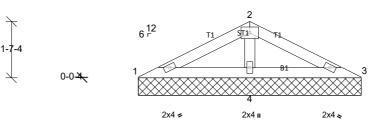
Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V02	Valley	1	1	Job Reference (optional)

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4x6=



10-0-0

Scale = 1:22.2				₭ 6-4-2				<u>6-4-2</u>					
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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	4	n/a	n/a			
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 20 lb	FT = 20%	

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 REACTIONS (lb/size) 1=59/6-4-2, (min. 0-1-8), 3=59/6-4-2, (min. 0-1-8), 4=390/6-4 (min. 0-1-8) Max Horiz 1=30 (LC 12) Max Uplift 1=-19 (LC 12), 3=-25 (LC 13), 4=-74 (LC 12) Max Grav 1=76 (LC 27), 3=76 (LC 28), 4=390 (LC 1)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-4-2 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except who WEBS 2-4=-296/240	en shown.	
NOTES 1) Unbalanced roof live loads have been considered for this design.		

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4)

Gable studs spaced at 4-0-0 oc. 5)

6)

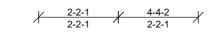
This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 7) any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 25 lb uplift at joint 3 and 74 lb uplift at joint 4.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V03	Valley	1	1	Job Reference (optional)

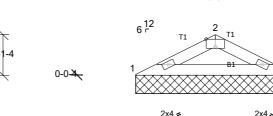
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2



3x6 =

4-4-2





10-6-0

Scale = 1:23.7

Plate Offsets (X, Y): [2:0-3-0,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	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 12 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

REACTIONS (lb/size) 1=174/4-4-2, (min. 0-1-8), 3=174/4-4-2, (min. 0-1-8) Max Horiz 1=-19 (LC 17)

Max Uplift 1=-38 (LC 12), 3=-38 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-362/267

TOP CHORD

BOT CHORD

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) Gable requires continuous bottom chord bearing.

1-3=-234/313

5) Gable studs spaced at 4-0-0 oc

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 6)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 7) any other members.

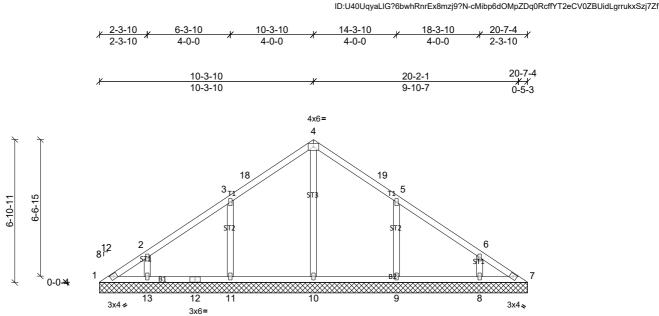
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 1 and 38 lb uplift at joint 3.

LOAD CASE(S) Standard Structural wood sheathing directly applied or 4-4-2 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Installation guide.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V04	Valley	1	1	Job Reference (optional)

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Scale = 1:48.4		¥			<u>20-7-4</u> 1	1-7-11					X	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 89 lb	FT = 20%

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3

REACTIONS All bearings 20-7-4.

(lb) - Max Horiz 1=205 (LC 9)

Builders FirstSource, Mid-Atlantic Design Group, user

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 8=-131 (LC 13),

9=-205 (LC 13), 11=-205 (LC 12), 13=-134 (LC 12)

- All reactions 250 (lb) or less at joint(s) 1, 7 except 8=345 (LC 22), 9=478 (LC 22), 10=393 (LC 24), 11=478 (LC 21), 13=349 Max Grav
 - - (LC 21)
 - (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
- FORCES WEBS 3-11=-341/252, 2-13=-264/184, 5-9=-341/252, 6-8=-264/183

NOTES

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

2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 10-4-0, Exterior(2R) 10-4-0 to 13-4-0, Interior (1) 13-4-0 to 20-7-10 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) All plates are 2x4 (||) MT20 unless otherwise indicated.

Gable requires continuous bottom chord bearing. 5)

Gable studs spaced at 4-0-0 oc. 6)

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

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

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=204, 13=134, 9=204, 8=130.

LOAD CASE(S) Standard TOP CHORD BOT CHORD

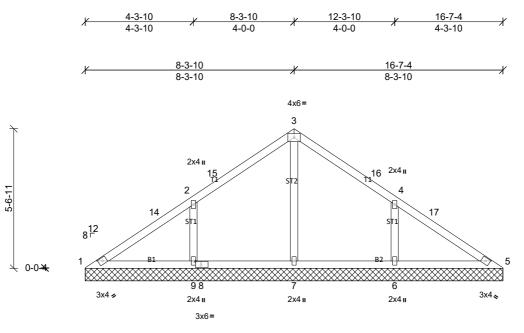
Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V05	Valley	1	1	Job Reference (optional)

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12-11-11

16-7-4

Scale = 1:37.6

Plate Offsets (X, Y):	[8:0-2-10,0-1-8	;]										
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	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 67 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOLCHORD	2X4 SP No.2
OTHERS	2x4 SP No.3

REACTIONS All bearings 16-7-4.

(lb) - Max Horiz 1=164 (LC 11)

Builders FirstSource, Mid-Atlantic Design Group, user

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-215 (LC 13), 9=-217 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=430 (LC 22), 7=368 (LC 1), 9=432 (LC 21)

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

WEBS 3-7=-306/32, 2-9=-353/246, 4-6=-353/245

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 8-4-0, Exterior(2R) 8-4-0 to 11-4-0, Interior (1) 11-4-0 to 16-7-10 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) Gable requires continuous bottom chord bearing.

5) Gable studs spaced at 4-0-0 oc.

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

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

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=217, 6=214.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

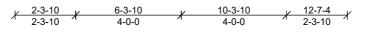
Structural wood sheathing directly applied or 10-0-0 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing.

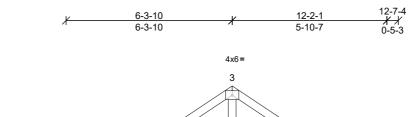
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

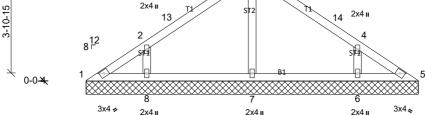
Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V06	Valley	1	1	Job Reference (optional)

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14-3-11

12-7-4 Scale = 1:34 2-0-0 PLATES GRIP Loading (psf) Spacing CS DEFL l/defl L/d in (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 тс 0.19 Vert(LL) n/a n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC Vert(TL) 999 0.12 n/a n/a BCLL Rep Stress Incr YES WB 5 0.0 0.07 Horiz(TL) 0.00 n/a n/a IRC2021/TPI2014 BCDL 10.0 Code Matrix-MS Weight: 48 lb FT = 20%

LUMBER

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2OTHERS2x4 SP No.3

Builders FirstSource, Mid-Atlantic Design Group, user

(lb) - Max Horiz 1=-124 (LC 8)

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Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-168 (LC 13),
8=-171 (LC 12)
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Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=336 (LC

22), 7=271 (LC 1), 8=339 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 2-8=-322/228, 4-6=-322/228

NOTES

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

4-2-11

2) Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 6-4-0, Exterior(2R) 6-4-0 to 9-4-0, Interior (1) 9-4-0 to 12-7-10 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) Gable requires continuous bottom chord bearing.

5) Gable studs spaced at 4-0-0 oc.

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

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

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=170, 6=168.

LOAD CASE(S) Standard

BOT CHORD

BRACING

TOP CHORD

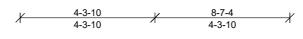
Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

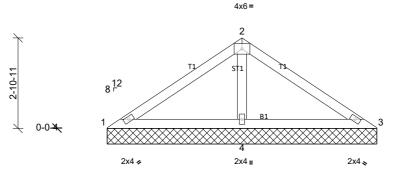
REACTIONS All bearings 12-7-4.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V07	Valley	1	1	Job Reference (optional)

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15-7-11

8-7-4 Scale = 1:26.2 X Loading 2-0-0 CSI DEFL l/defl L/d PLATES GRIP (psf) Spacing in (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.20 Vert(LL) n/a n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC 0.20 Vert(TL) n/a n/a 999 BCLL Rep Stress Incr YES WB 3 0.0 0.10 Horiz(TL) 0.00 n/a n/a BCDL IRC2021/TPI2014 10.0 Code Matrix-MS Weight: 30 lb FT = 20% LUMBER BRACING TOP CHORD 2x4 SP No.2 TOP CHORD

	SP No.2 SP No.3	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
REACTIONS (Ib/size Max Ho Max Up			MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
TOP CHORD 1	 b) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown -2=-118/298, 2-3=-118/298 -4=-558/289 	1.	
/	f live loads have been considered for this design. 6: Vult=125mph (3-second gust) Vasd=99mph: TCDI =6 0psf: BCDI =6 0r	sf: h=25ft: Ke=0 99:	Cat II: Exp.C: Enclosed: MWERS (envelope) exterior zone and

at. II: I C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 4-4-0, Exterior(2R) 4-4-0 to 7-4-0, Interior (1) 7-4-0 to 8-7-10 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) Gable requires continuous bottom chord bearing.

5) Gable studs spaced at 4-0-0 oc.

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

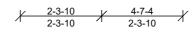
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

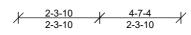
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 1, 20 lb uplift at joint 3 and 137 lb uplift at joint 4.

LOAD CASE(S) Standard Structural wood sheathing directly applied or 8-7-4 oc purlins.

Job	Truss	Truss Type	Qty	Ply	ERICKSON HOMES/STEVENS
4452735	V08	Valley	1	1	Job Reference (optional)

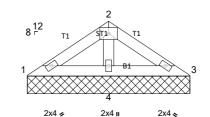
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4x6=





4-7-4

16-11-11

V

Scale = 1:22.1

				/				~				
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 REACTIONS (lb/size) 1=51/4-7-4, (min. 0-1-8), 3=51/4-7-4, (min. 0-1-8), 4=267/4-7-4, (min. 0-1-8), 4=267/4-7, (min. 0-1-8),	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 4-7-4 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when sho	own.	

NOTES

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

Wind: ASCE 7-16; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.99; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and 2) C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) Gable requires continuous bottom chord bearing.

Gable studs spaced at 4-0-0 oc. 5)

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 6)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 7) any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 1, 19 lb uplift at joint 3 and 54 lb uplift at joint 4.