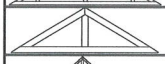
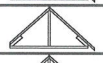
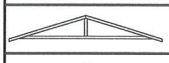
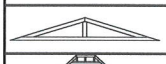
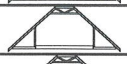
Quote

Builders FirstSource

Ship To:	WILLIAM ROBERT BAREFOOT 891 RAYNOR RD Spring Lake, NC	**AppWrt Job No.** 4242230 **OnLine Job No.** **P.T.** **Sales No**	**Ship Date** **Quote** **Account** **PO**
Store: Middlesex Truss 8401 Planer Mill Road Middlesex, NC 252-235-4530	**SubDvsn:** KNIGHT PLAN, NC **Lot:** 000 **Model/Elev:** KNIGHT PLAN **Options** **Shipment** Roof	**Req'rd Engineering**	**Req'rd Layouts**
Sales Rep BILLY GOWER **Mfg Sales Rep** Jason Ward **Sales Area** **Dist Center** BFS Apex **Estimator** Mike.Joplin **Designer** Holmes, Chad	**Directions**	**Job Contacts** **Site** **Office** **Name** **Phone** **Fax**	

	Truss ID / Span	Quantity	Type	Slope (Depth)	Left	Right	Stub	Heel	Height / Weight/Ply	Total Weight
	A1 36-4-0	1	ROOF	TC: 8	OH: 1-0-0	OH: 1-0-0		L: 0-8-0 R: 0-8-0	11-6-0 ht 280 lbs.	280 lbs
	A2 36-4-0	11	ROOF	TC: 8	OH: 1-0-0	OH: 1-0-0		L: 0-8-0 R: 0-8-0	11-6-0 ht 230 lbs.	2530 lbs
	A3 31-4-0	6	ROOF	TC: 8	OH: 1-0-0		SR: 5-0-0	L: 0-8-0 R: 0-8-0	11-6-0 ht 211 lbs.	1266 lbs
	A4 31-4-0	1	ROOF	TC: 8	OH: 1-0-0		SR: 5-0-0	L: 0-8-0 R: 0-8-0	11-6-0 ht 265 lbs.	265 lbs
	B1 31-4-0	3 (1-3Ply)	ROOF	TC: 8	OH: 1-0-0			L: 0-8-0 R: 0-8-0	11-5-9 ht 630 lbs.	630 lbs
	B2 31-4-0	3	ROOF	TC: 8	OH: 1-0-0	OH: 1-0-0		L: 0-8-0 R: 0-8-0	11-5-9 ht 172 lbs.	516 lbs
	BV1 24-10-6	1	ROOF	TC: 8				L: 0-0-0 R: 0-0-0	8-3-11 ht 113 lbs.	113 lbs
	BV2 18-10-6	1	ROOF	TC: 8				L: 0-0-0 R: 0-0-0	6-3-11 ht 77 lbs.	77 lbs
	BV3 12-10-6	1	ROOF	TC: 8				L: 0-0-0 R: 0-0-0	4-3-11 ht 49 lbs.	49 lbs
	BV4 6-10-6	1	ROOF	TC: 8				L: 0-0-0 R: 0-0-0	2-3-11 ht 23 lbs.	23 lbs
	C1 12-0-0	1	ROOF	TC: 12		OH: 1-0-0		L: 1-0-0 R: 1-0-0	7-4-15 ht 77 lbs.	77 lbs
	C2 12-0-0	2	ROOF	TC: 12		OH: 1-0-0		L: 1-0-0 R: 1-0-0	7-4-15 ht 66 lbs.	132 lbs
	C3 12-0-0	2 (1-2Ply)	ROOF	TC: 12		OH: 1-0-0		L: 1-0-0 R: 1-0-0	7-4-15 ht 198 lbs.	198 lbs
	CV1 3-4-7	1	ROOF	TC: 12				L: 0-0-0 R: 0-0-0	1-8-8 ht 10 lbs.	10 lbs
	D1 14-0-0	1	ROOF	TC: 4	OH: 1-0-0	OH: 1-0-0		L: 0-4-0 R: 0-4-0	2-11-11 ht 55 lbs.	55 lbs
	D2 14-0-0	4	ROOF	TC: 4	OH: 1-0-0	OH: 1-0-0		L: 0-4-0 R: 0-4-0	2-11-11 ht 49 lbs.	196 lbs
	DV1 11-1-6	1	ROOF	TC: 4				L: 0-0-0 R: 0-0-0	1-10-8 ht 33 lbs.	33 lbs
	E1 24-0-0	1	ROOF	TC: 12	OH: 1-0-0	OH: 1-0-0 C: 24-0-0		L: 1-0-0 R: 1-0-0	11-6-0 ht 211 lbs.	211 lbs
	E2 24-0-0	9	ROOF	TC: 12	OH: 1-0-0	OH: 1-0-0		L: 1-0-0 R: 1-0-0	11-6-0 ht 195 lbs.	1755 lbs
	E3 24-0-0	2 (1-2Ply)	ROOF	TC: 12	OH: 1-0-0			L: 1-0-0 R: 1-0-0	11-6-0 ht 383 lbs.	383 lbs
	E4 24-0-0	6	ROOF	TC: 12	OH: 1-0-0			L: 1-0-0 R: 1-0-0	11-3-3 ht 165 lbs.	990 lbs
	E5 24-0-0	5	ROOF	TC: 12	OH: 1-0-0			L: 1-0-0 R: 1-0-0	11-3-3 ht 202 lbs.	1010 lbs
	E6 24-0-0	1	ROOF	TC: 12	OH: 1-0-0			L: 1-0-0 R: 1-0-0	11-3-3 ht 198 lbs.	198 lbs

Quote

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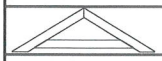
Ship To:	WILLIAM ROBERT BAREFOOT 891 RAYNOR RD Spring Lake, NC	**AppWrt Job No.** 4242230 **OnLine Job No.** **P.T.** **Sales No**	**Ship Date** **Quote** **Account** **PO**
Store: Middlesex Truss 8401 Planer Mill Road Middlesex, NC 252-235-4530	**SubDvsn:** KNIGHT PLAN, NC **Lot:** 000 **Model/Elev:** KNIGHT PLAN **Options** **Shipment** Roof	**Req'rd Engineering**	**Req'rd Layouts**
Sales Rep BILLY GOWER **Mfg Sales Rep** Jason Ward **Sales Area** **Dist Center** BFS Apex **Estimator** Mike.Joplin **Designer** Holmes, Chad	**Directions**	**Job Contacts** **Site** **Office** **Name** **Phone** **Fax**	

	Truss ID / Span	Quantity	Type	Slope (Depth)	Left	Right	Stub	Heel	Height / Weight/Ply	Total Weight
	**F1** 18-5-0	2	ROOF	TC: 12 BC: 10	OH: 1-0-0		SR: 4-9-12	L: 1-0-0 R: 1-0-0	11-3-3 ht 143 lbs.	286 lbs
	**J2** 5-4-0	2	ROOF	TC: 12				L: 1-0-0 R: 6-4-0	6-4-0 ht 35 lbs.	70 lbs
	**J3** 7-11-0	2	ROOF	TC: 12	OH: 1-0-0			L: 1-0-0 R: 8-11-0	9-3-15 ht 58 lbs.	116 lbs
	**PB01** 3-1-14	25	ROOF	TC: 12		C: 3-1-14		L: 0-0-0 R: 0-0-0	2-1-12 ht 15 lbs.	375 lbs
	**PB02** 3-4-5	19	ROOF	TC: 8		C: 3-4-5		L: 0-0-0 R: 0-0-0	1-7-8 ht 13 lbs.	247 lbs
	Total Trusses:	115							11-6-0 maxht	12,091 lbs

Miscellaneous Items:	Quantity	Item	Description
	25	HTU26	Hanger
	2	LUS210-2	2ply Hanger

Accepted By Seller

By: _____
Title: _____
Date Of Acceptance: _____

Accepted By Buyer

Purchaser: _____
By: _____ Title: _____
Address: _____
_____
Phone: _____ Date: _____

Truss Pkg:	$9,754.56
Tax	$0.00
Total Price:	$9,754.56

- PRICE ABOVE IS PRE-TAX. PLEASE ADD APPLICABLE SALES TAX.
- Builders FirstSource reserves the right to adjust price as deemed necessary after 30 days from date of estimate.
- Price is not to be assumed as valid if plan is repeated at a later date.

Job	Truss	Truss Type	Qty	Ply	
4242230	A1	Piggyback Base Structural Gable	1	1	Job Reference (optional)

Run: 8.53 S Jan 6 2022 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 09:24:52 Page: 1
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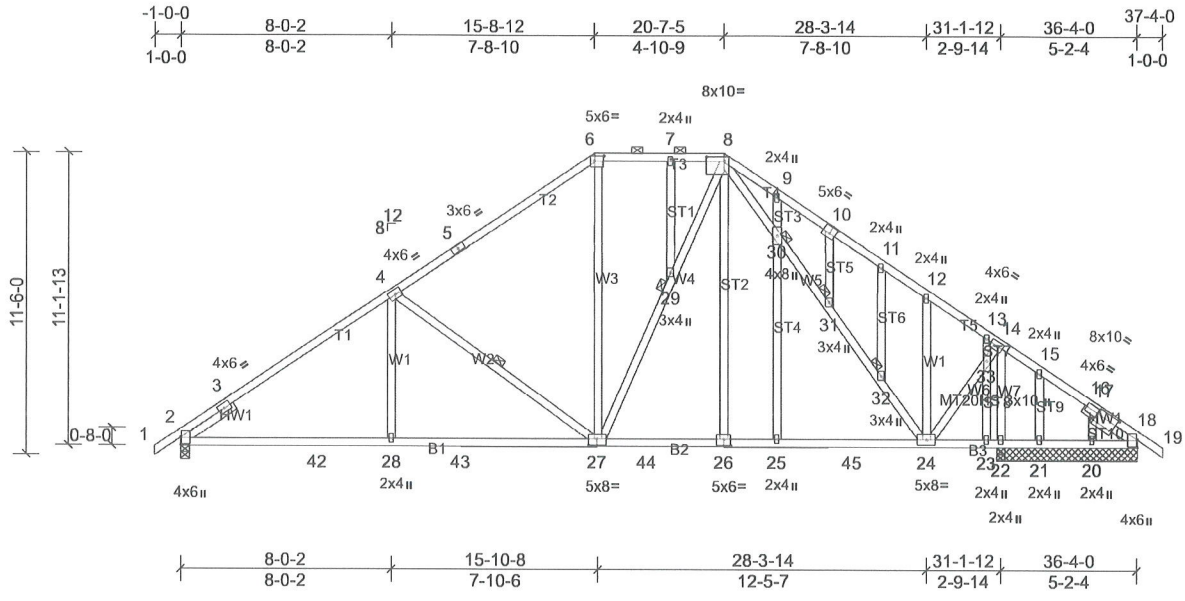

Scale = 1:82.6

Plate Offsets (X, Y): [2:0-3-5,0-0-3], [6:0-4-4,0-2-4], [8:0-7-12,0-2-0], [10:0-3-0,0-3-0], [17:0-11-11,0-2-8], [18:0-3-5,0-0-3], [18:1-9-11,0-2-0], [26:0-3-0,0-3-0], [27:0-3-12,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.75	Vert(LL)	-0.12	24-25	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.23	24-25	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.05	21	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 280 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W5:2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 2-5-0, Right 2x4 SP No.3 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
2-0-0 oc purlins (5-9-11 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-27
JOINTS 1 Brace at Jt(s): 29, 30, 31, 32

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

REACTIONS All bearings 5-4-0. except 2=0-4-0, 22=0-3-8 (lb) - Max Horiz 2=-228 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 18, 20, 21, 38
Max Grav All reactions 250 (lb) or less at joint (s) 18, 20, 21, 38 except 2=1327 (LC 17), 22=1432 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-822/0, 3-4=-1616/179, 4-5=-1198/174, 5-6=-1081/220, 6-7=-900/232, 7-8=-900/232, 8-9=-673/315, 9-10=-677/253, 10-11=-698/222, 11-12=-762/209, 12-13=-612/110, 13-14=-589/93, 15-16=-34/265
BOT CHORD 2-42=-248/1561, 28-42=-103/1561, 28-43=-103/1561, 27-43=-103/1561, 27-44=0/849, 26-44=0/849, 25-26=0/849, 25-45=0/849, 24-45=0/849
WEBS 4-28=0/350, 4-27=-736/192, 6-27=0/343, 27-29=-71/323, 8-29=-88/351, 8-30=-556/59, 30-31=-542/53, 31-32=-564/42, 24-32=-546/45, 12-24=-390/170, 24-33=-72/1216, 14-33=-58/1048, 14-22=-1128/99, 8-26=-32/326, 23-33=-309/21

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 21, 20, 18, 18.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	A2	Piggyback Base	11	1	Job Reference (optional)

Run: 8.53 S Jan 6 2022 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 09:24:53 Page: 1
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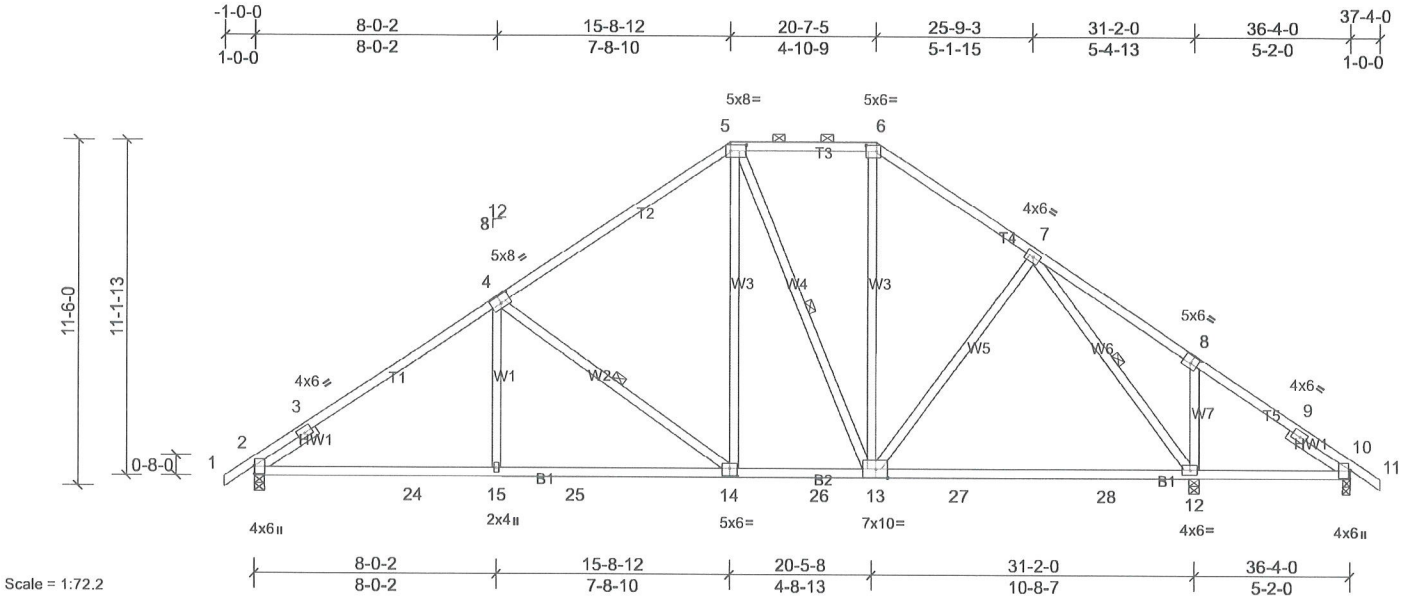


Plate Offsets (X, Y): [2:0-3-5,0-0-3], [4:0-4-4,0-3-0], [5:0-6-4,0-2-4], [6:0-4-4,0-2-4], [8:0-3-0,0-3-0], [10:0-3-5,0-0-7], [13:0-4-12,Edge], [14:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.74	Vert(LL)	-0.38	12-13	>977	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.65	12-13	>579	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 231 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 2-5-0, Right 2x4 SP No.3 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS 1 Row at midpt 4-14, 5-13, 7-12

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

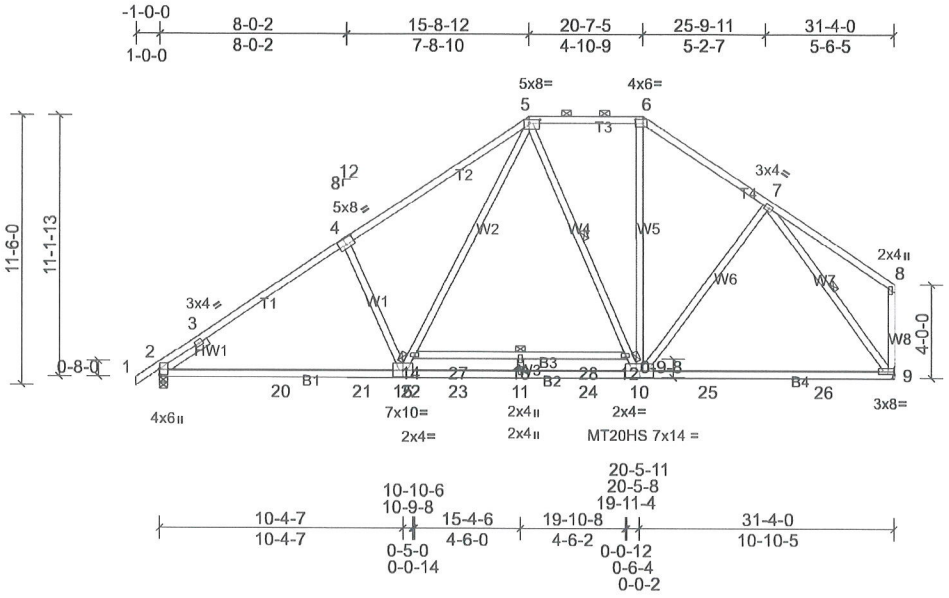
REACTIONS (lb/size) 2=1301/0-4-0, (min. 0-1-9), 10=233/0-3-0, (min. 0-1-8), 12=1492/0-4-0, (min. 0-1-15)
Max Horiz 2=-228 (LC 8)
Max Uplift 2=-66 (LC 10), 10=-80 (LC 11)
Max Grav 2=1340 (LC 17), 10=249 (LC 22), 12=1620 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-809/0, 3-4=-1635/196, 4-5=-1227/243, 5-6=-831/238, 6-7=-1080/246
BOT CHORD 2-24=-253/1576, 15-24=-110/1576, 15-25=-111/1572, 14-25=-111/1572, 14-26=0/985, 13-26=0/985, 13-27=0/733, 27-28=0/733, 12-28=0/733
WEBS 4-15=0/356, 4-14=-733/190, 5-14=-49/574, 8-12=-331/186, 6-13=-47/372, 5-13=-316/86, 7-13=-37/298, 7-12=-1284/0

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 2 and 80 lb uplift at joint 10.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	A3	Piggyback Base	6	1	Job Reference (optional)



Scale = 1:92.7

Plate Offsets (X, Y): [2:0-3-1,0-0-3], [4:0-4-0,0-3-0], [5:0-5-8,0-1-12], [6:0-3-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.82	Vert(LL)	-0.41	13	>915	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.66	13	>565	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 212 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1
BOT CHORD 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS *Except* B1:2x4 SP No.1, B3:2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-5-7 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 2-15.
6-0-0 oc bracing: 12-14
WEBS 1 Row at midpt 7-9, 5-12

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

REACTIONS (lb/size) 2=1403/0-4-0, (min. 0-1-13), 9=1339/ Mechanical, (min. 0-1-8)
Max Horiz 2=268 (LC 9)
Max Uplift 2=-2 (LC 10)
Max Grav 2=1542 (LC 17), 9=1494 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1056/0, 3-4=-1952/97, 4-5=-2010/189, 5-6=-1085/162, 6-7=-1382/156
BOT CHORD 2-20=-234/1831, 20-21=-42/1831, 15-21=-42/1831, 15-22=0/1279, 22-23=0/1279, 11-23=0/1279, 11-24=0/1279, 10-24=0/1279, 10-25=0/919, 25-26=0/919, 9-26=0/919
WEBS 7-9=-1486/1, 4-15=-434/251, 14-15=-107/918, 5-14=-70/1051, 5-12=-256/125, 10-12=-346/88, 6-10=0/539, 7-10=-23/341

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 2.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	A4	Piggyback Base Supported Gable	1	1	Job Reference (optional)

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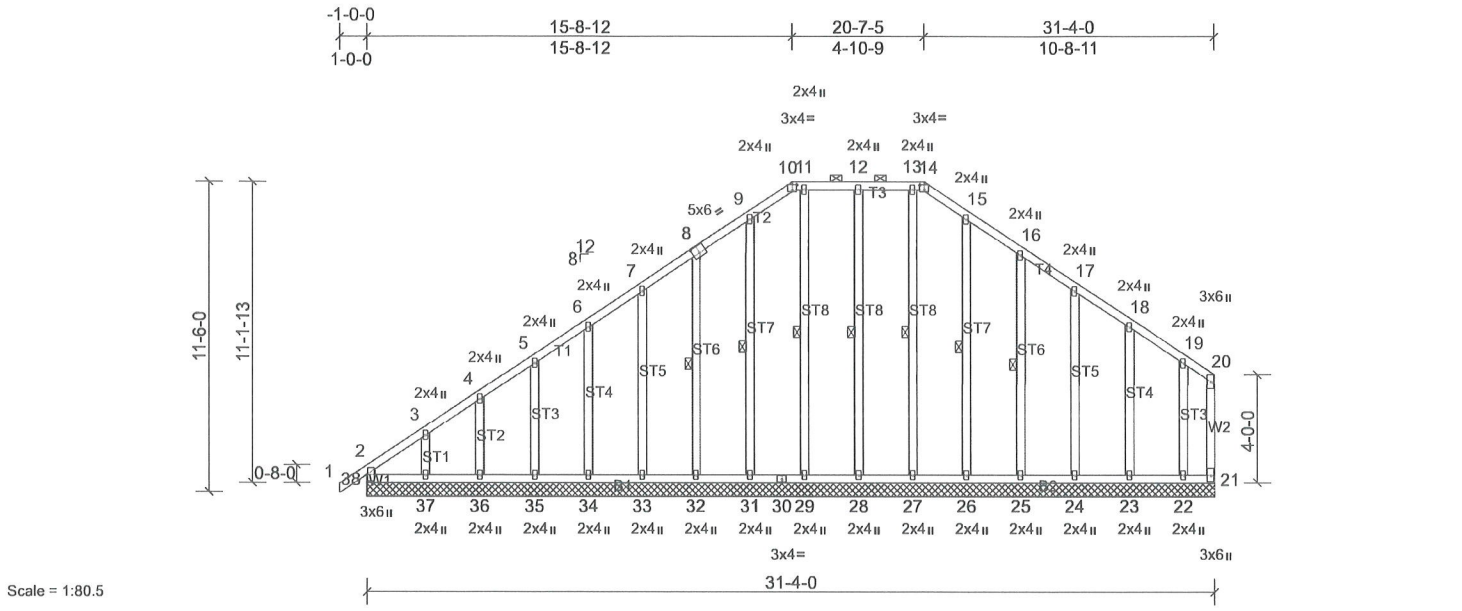

Plate Offsets (X, Y): [8:0-3-0,0-3-0], [10:0-2-0,0-2-3], [14:0-2-0,0-2-3], [38:0-3-0,0-0-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.17	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	0.12	Horz(CT)	0.00	21	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 265 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

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.): 10-14.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 12-28, 11-29, 9-31, 8-32, 13-27, 15-26, 16-25

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

REACTIONS All bearings 31-4-0.
(lb) - Max Horiz 38=271 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36 except 37=-104 (LC 10), 38=-142 (LC 6)
Max Grav All reactions 250 (lb) or less at joint (s) 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 37 except 38=261 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-284/251, 8-9=-227/259, 9-10=-248/283, 10-11=-218/258, 11-12=-218/258, 12-13=-218/258, 13-14=-218/258, 14-15=-248/283, 15-16=-226/258

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
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) 21, 28, 29, 31, 32, 33, 34, 35, 36, 27, 26, 25, 24, 23, 22 except (jt=lb) 38=142, 37=103.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	B1	Common Girder	1	3	Job Reference (optional)

Run: 8.63 S Jan 12 2023 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 09:24:54 Page: 1
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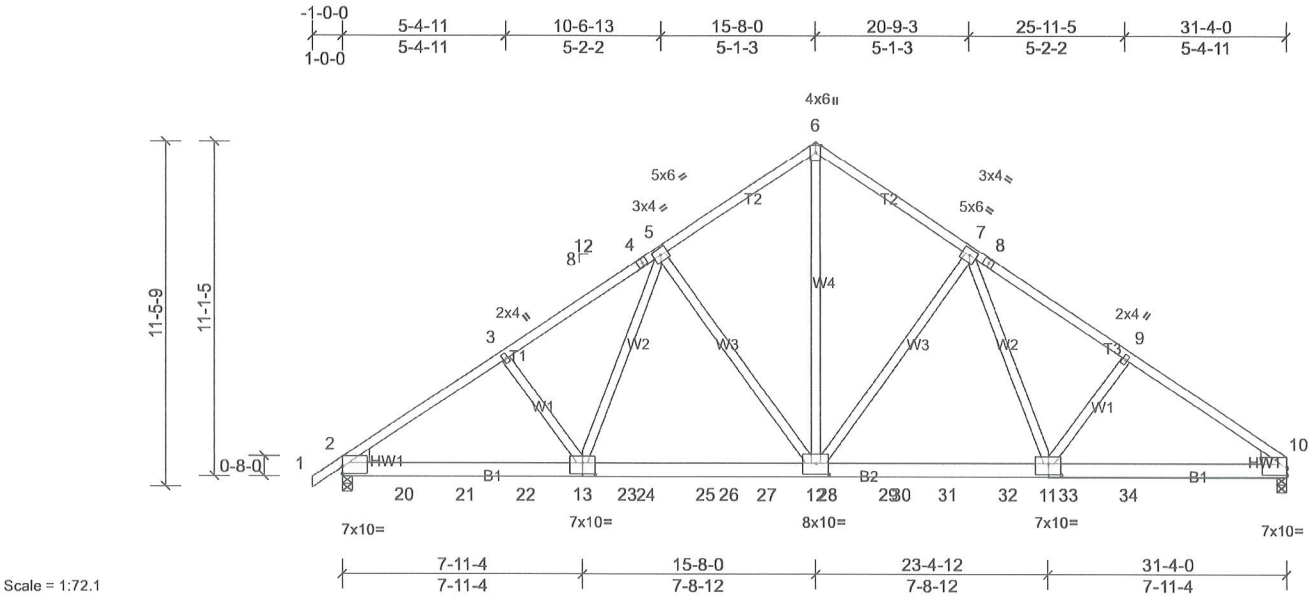

Scale = 1:72.1

Plate Offsets (X, Y): [2:Edge,0-2-13], [10:Edge,0-2-13], [11:0-5-0,0-4-8], [12:0-5-0,0-4-8], [13:0-5-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.19	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.38	11-12	>995	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 630 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP DSS
WEBS 2x4 SP No.3 *Except* W4:2x4 SP No.2
WEDGE Left: 2x6 SP No.2
Right: 2x6 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=7742/0-4-0, (min. 0-2-10), 10=5515/0-4-0, (min. 0-1-14)
Max Horiz 2=222 (LC 24)
Max Uplift 2=-155 (LC 8), 10=-38 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-10925/217, 3-4=-10751/231, 4-5=-10593/249, 5-6=-7200/224, 6-7=-7203/223, 7-8=-8828/140, 8-9=-8969/122, 9-10=-9158/108
BOT CHORD 2-20=-253/9010, 20-21=-253/9010, 21-22=-253/9010, 13-22=-253/9010, 13-23=-136/7480, 23-24=-136/7480, 24-25=-136/7480, 25-26=-136/7480, 26-27=-136/7480, 12-27=-136/7480, 12-28=-8/6758, 28-29=-8/6758, 29-30=-8/6758, 30-31=-8/6758, 31-32=-8/6758, 11-32=-8/6758, 11-33=-17/7491, 33-34=-17/7491, 10-34=-17/7491
WEBS 6-12=-159/7598, 7-12=-1555/136, 5-12=-2745/215, 7-11=0/2085, 5-13=-97/4144

NOTES
1) 3-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 0-7-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.33
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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 2 and 38 lb uplift at joint 10.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 946 lb down and 17 lb up at 2-0-12, 939 lb down and 17 lb up at 4-0-12, 939 lb down and 17 lb up at 6-0-12, 939 lb down and 17 lb up at 8-0-12, 939 lb down and 17 lb up at 10-0-12, 939 lb down and 17 lb up at 12-0-12, 946 lb down and 17 lb up at 14-0-12, 946 lb down and 17 lb up at 16-0-12, 939 lb down and 17 lb up at 18-0-12, 939 lb down and 17 lb up at 20-0-12, 939 lb down and 17 lb up at 22-0-12, and 218 lb down at 24-0-12, and 218 lb down at 26-0-12 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=1.00
Uniform Loads (lb/ft)
Vert: 1-6=-60, 6-10=-60, 14-17=-20
Concentrated Loads (lb)
Vert: 13=-939, 20=-939, 21=-939, 22=-939, 24=-939, 25=-939, 27=-939, 28=-939, 29=-939, 31=-939, 32=-939, 33=-182, 34=-182

Job	Truss	Truss Type	Qty	Ply	
4242230	B2	Common	3	1	Job Reference (optional)

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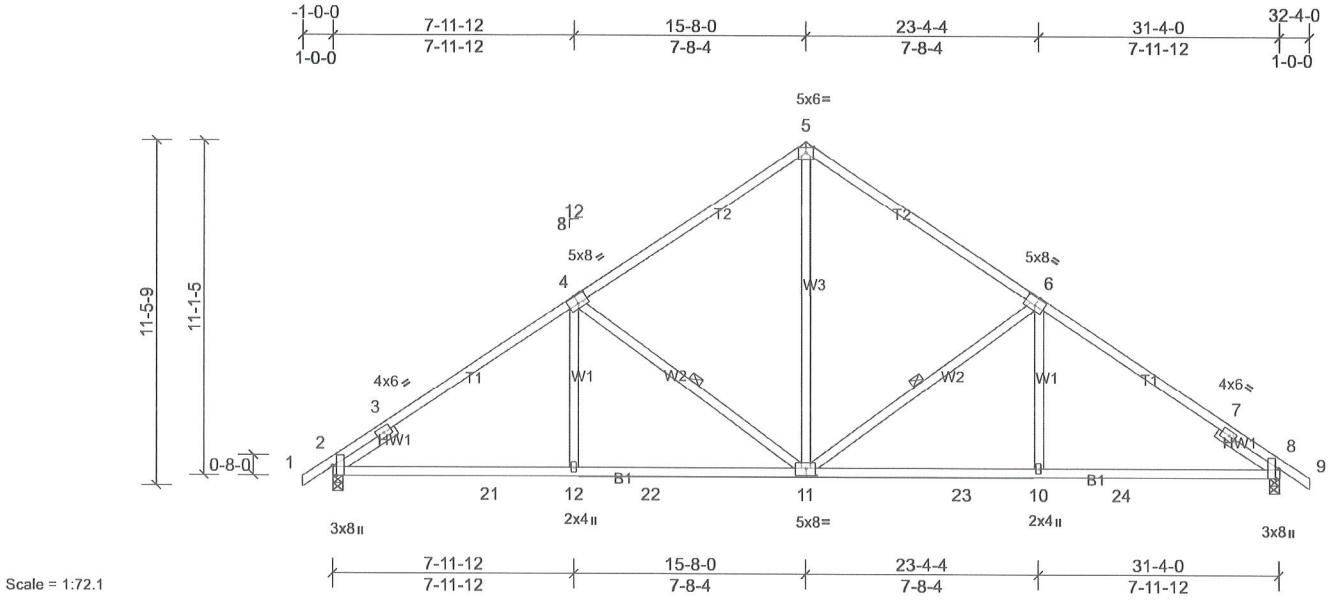

Plate Offsets (X, Y): [2:0-3-13,Edge], [4:0-4-0,0-3-0], [6:0-4-0,0-3-0], [8:0-3-13,Edge], [11:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.18	11-12	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 173 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 2-5-0, Right 2x4 SP No.3 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-11, 4-11

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

REACTIONS (lb/size) 2=1313/0-4-0, (min. 0-1-10), 8=1313/0-4-0, (min. 0-1-10)
Max Horiz 2=226 (LC 9)
Max Uplift 2=-59 (LC 10), 8=-59 (LC 11)
Max Grav 2=1358 (LC 17), 8=1358 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-842/0, 3-4=-1663/177, 4-5=-1270/218, 5-6=-1270/218, 6-7=-1663/177, 7-8=-782/0
BOT CHORD 2-21=-251/1597, 12-21=-100/1597, 12-22=-101/1594, 11-22=-101/1594, 11-23=-15/1441, 10-23=-15/1441, 10-24=-14/1445, 8-24=-14/1445
WEBS 5-11=-94/905, 6-11=-709/194, 6-10=0/339, 4-11=-709/193, 4-12=0/339

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 2 and 59 lb uplift at joint 8.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	BV1	Valley	1	1	Job Reference (optional)

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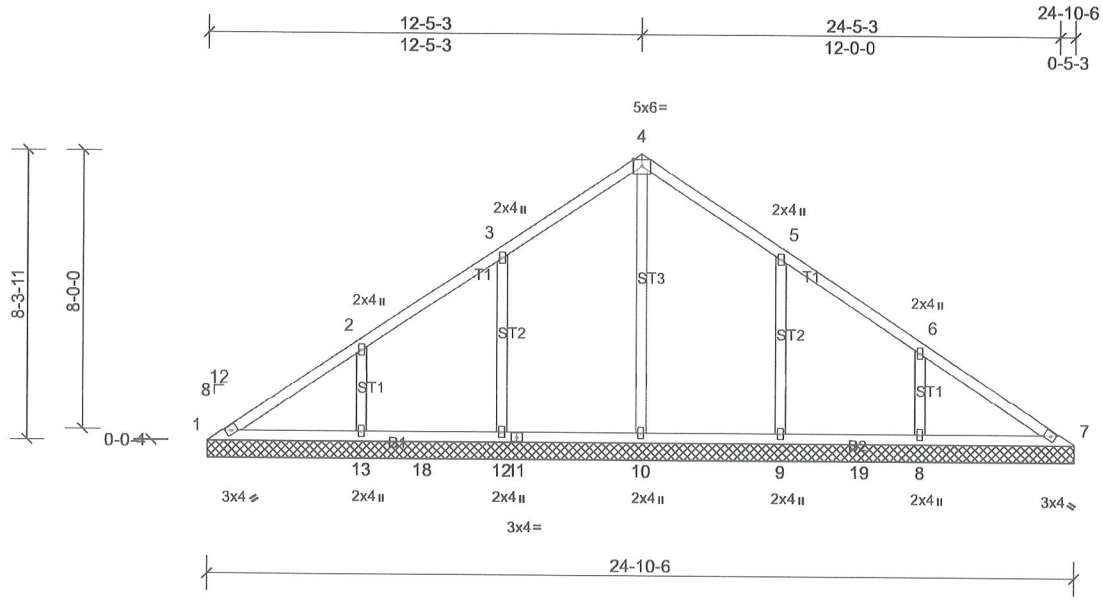


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.36	Horiz(TL)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 114 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD 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.

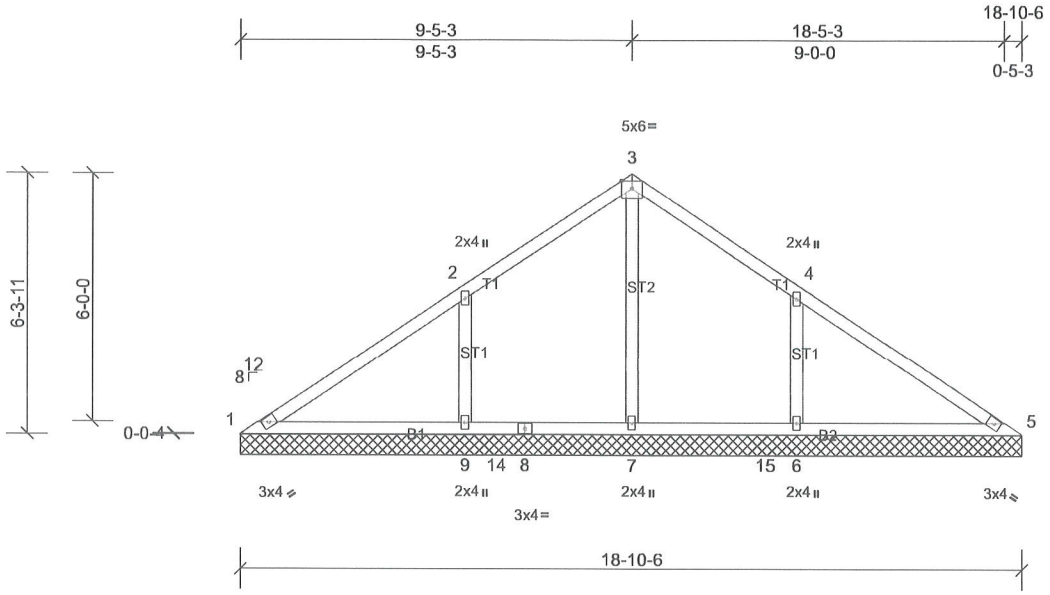
REACTIONS All bearings 24-10-6.
(lb) - Max Horiz 1=166 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 8, 9, 12, 13
Max Grav All reactions 250 (lb) or less at joint (s) 1, 7 except 8=398 (LC 18), 9=446 (LC 18), 10=477 (LC 17), 12=446 (LC 17), 13=400 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-10=-290/0, 3-12=-262/146, 2-13=-266/132, 5-9=-262/146, 6-8=-266/131

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 12, 13, 9, 8.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	BV2	Valley	1	1	Job Reference (optional)



Scale = 1:52.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.28	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 78 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD 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.

REACTIONS All bearings 18-10-6.
(lb) - Max Horiz 1=125 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-123 (LC 11), 9=-124 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=502 (LC 18), 7=541 (LC 17), 9=504 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-106/308, 4-5=-66/291
WEBS 3-7=-404/0, 2-9=-327/165, 4-6=-327/164

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1 except (jt=lb) 9=124, 6=123.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	BV3	Valley	1	1	Job Reference (optional)

Run: 8.53 S Jan 6 2022 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 09:24:55 Page: 1
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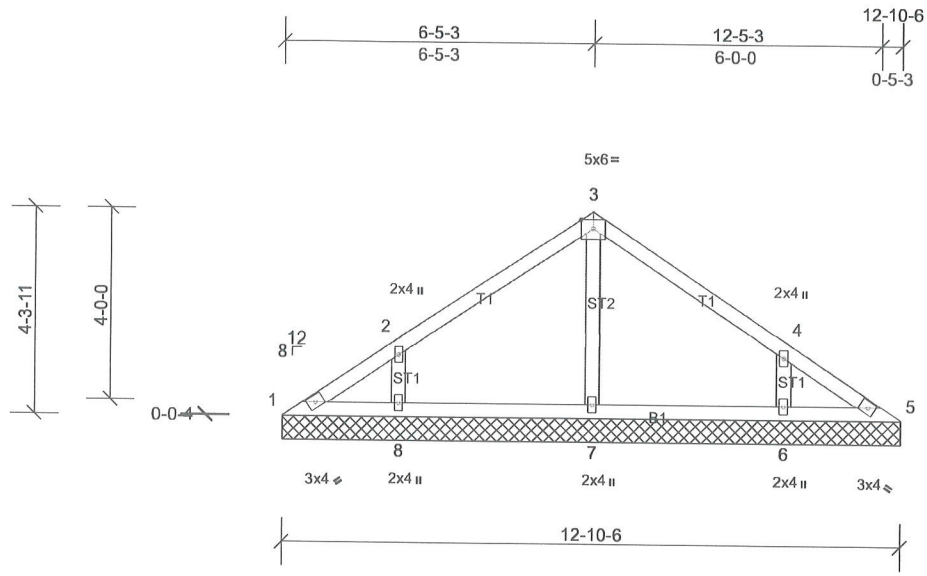


Scale = 1:45.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 49 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 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.

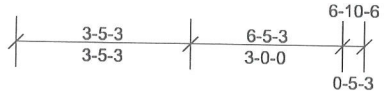
REACTIONS All bearings 12-10-6.
(lb) - Max Horiz 1=84 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 6, 8
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=316 (LC 18), 7=275 (LC 1), 8=318 (LC 17)

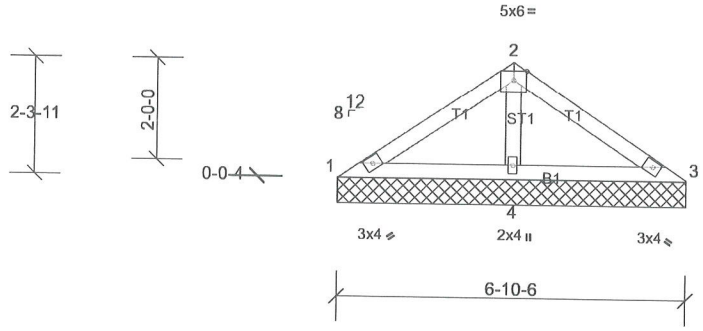
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

LOAD CASE(S) Standard

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 8, 6.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
4242230	BV4	Valley	1	1	Job Reference (optional)





Scale = 1:42.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 23 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-10-6 oc purlins.
BOT CHORD 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.

REACTIONS (lb/size) 1=47/6-10-6, (min. 0-1-8), 3=47/6-10-6, (min. 0-1-8), 4=455/6-10-6, (min. 0-1-8)
Max Horiz 1=-43 (LC 6)
Max Uplift 3=-6 (LC 11), 4=-23 (LC 10)
Max Grav 1=70 (LC 21), 3=70 (LC 22), 4=455 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-314/74

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3 and 23 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	C1	Common Supported Gable	1	1	Job Reference (optional)

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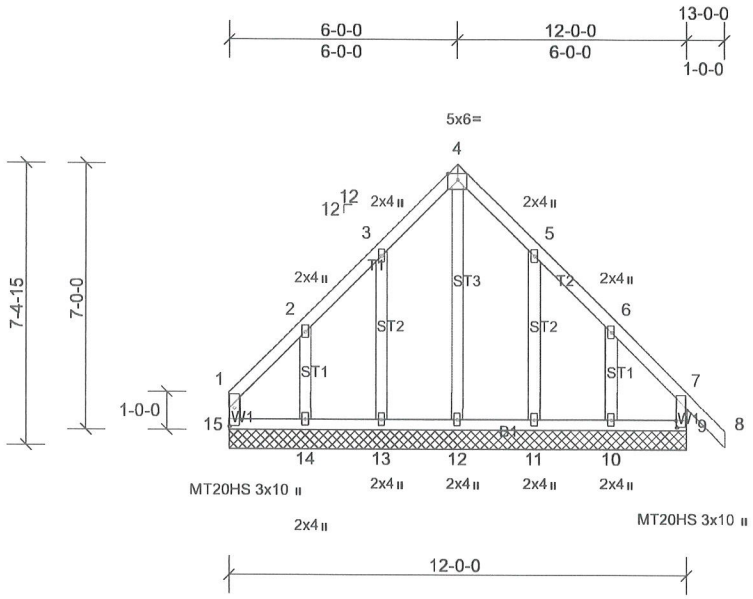

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Plate Offsets (X, Y): [9:0-2-4,0-0-4], [15:0-5-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 78 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 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 12-0-0.
(lb) - Max Horiz 15=-158 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 9, 11, 13, 15 except 10=-122 (LC 11), 14=-124 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 9, 10, 11, 12, 13, 14, 15

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates 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) 15, 9, 13, 11 except (jt=lb) 14=124, 10=122.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	C2	Common	2	1	Job Reference (optional)

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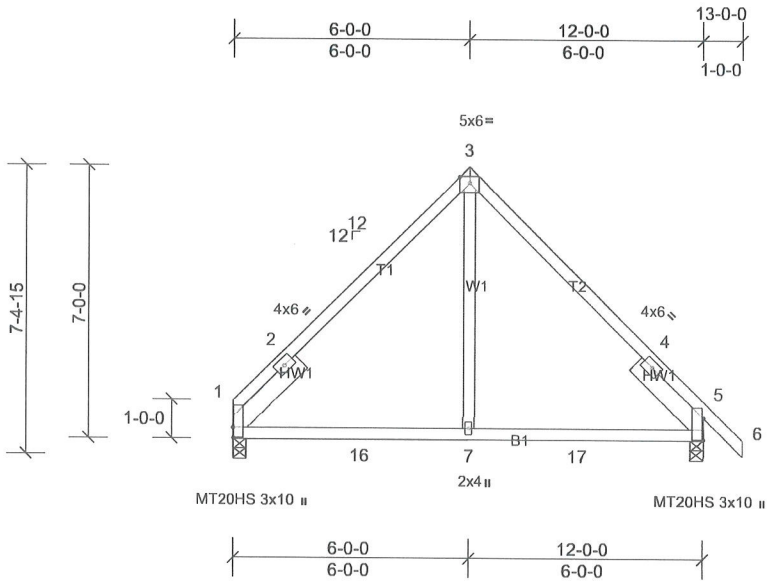

Scale = 1:55.8

Plate Offsets (X, Y): [1:0-3-4,0-0-2], [5:0-6-13,0-0-2]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	0.06	7-10	>999	240	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.07	7-10	>999	180	MT20	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.04	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 67 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x6 SP No.2 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 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 (lb/size) 1=478/0-4-0, (min. 0-1-8), 5=543/0-4-0, (min. 0-1-8)
Max Horiz 1=-136 (LC 6)
Max Uplift 1=-10 (LC 11), 5=-17 (LC 11)
Max Grav 1=512 (LC 18), 5=562 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-340/158, 2-3=-433/104, 3-4=-433/105
BOT CHORD 1-16=-169/339, 7-16=0/339, 7-17=0/339, 5-17=0/339
WEBS 3-7=-4/319

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 1 and 17 lb uplift at joint 5.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	C3	Common Girder	1	2	Job Reference (optional)

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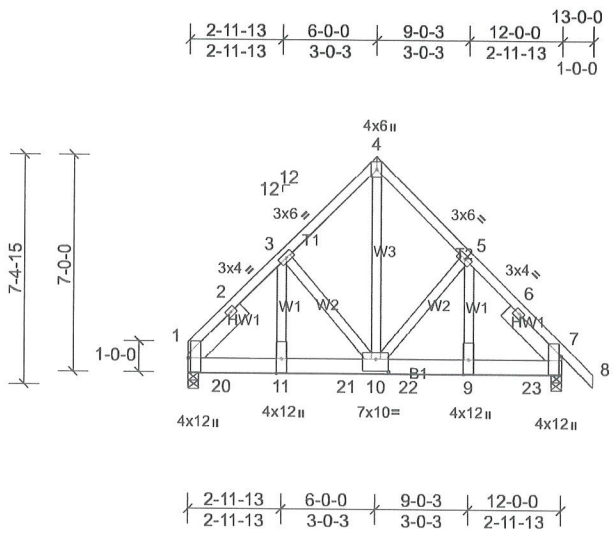

Scale = 1:70.2

Plate Offsets (X, Y): [1:0-5-8,Edge], [7:0-7-1,Edge], [10:0-5-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.04	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.07	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 198 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x6 SP No.2 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=4406/0-4-0, (min. 0-2-13), 7=4526/0-4-0, (min. 0-2-14)
Max Horiz 1=-136 (LC 4)
Max Grav 1=4810 (LC 2), 7=4926 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3239/0, 2-3=-4545/0, 3-4=-3307/0, 4-5=-3307/0, 5-6=-4544/0, 6-7=-2856/0
BOT CHORD 1-20=0/3134, 11-20=0/3134, 11-21=0/3134, 10-21=0/3134, 10-22=0/3099, 9-22=0/3099, 9-23=0/3099, 7-23=0/3099
WEBS 3-11=0/1808, 3-10=-1210/0, 4-10=0/4392, 5-10=-1202/0, 5-9=0/1810

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 0-6-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-11 2x4 - 2 rows staggered at 0-9-0 oc, Except member 5-9 2x4 - 2 rows staggered at 0-9-0 oc.
2) 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 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.33
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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1474 lb down at 1-0-12, 1474 lb down at 3-0-12, 1474 lb down at 5-0-12, 1474 lb down at 7-0-12, and 1474 lb down at 9-0-12, and 1475 lb down at 11-0-12 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=1.00
Uniform Loads (lb/ft)
Vert: 1-4=-60, 4-8=-60, 12-16=-20
Concentrated Loads (lb)
Vert: 11=-1319, 9=-1319, 20=-1319, 21=-1319, 22=-1319, 23=-1319

Job	Truss	Truss Type	Qty	Ply	
4242230	CV1	Valley	1	1	Job Reference (optional)

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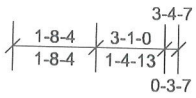

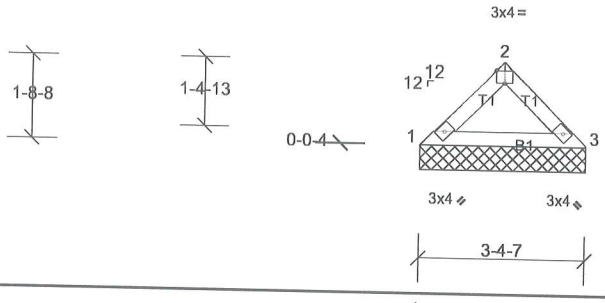

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Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.08	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	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 11 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 3-4-7 oc purlins.
BOT CHORD 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.

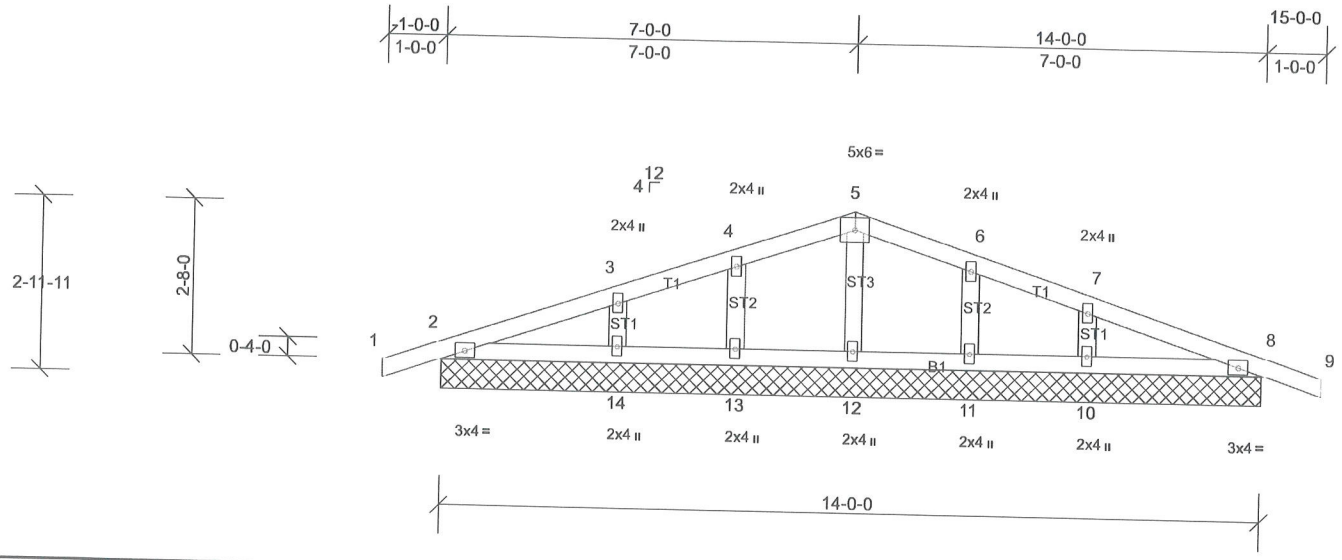
REACTIONS (lb/size) 1=135/3-4-7, (min. 0-1-8), 3=135/3-4-7, (min. 0-1-8)
Max Horiz 1=-31 (LC 6)
Max Uplift 1=-3 (LC 10), 3=-3 (LC 11)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 1 and 3 lb uplift at joint 3.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	D1	Common Supported Gable	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 56 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 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 14-0-0.
(lb) - Max Horiz 2=-37 (LC 15), 15=-37 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 10, 11, 13, 14, 15, 19
Max Grav All reactions 250 (lb) or less at joint (s) 2, 8, 10, 11, 12, 13, 14, 15, 19

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 8, 13, 14, 11, 10, 2, 8.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	D2	Common	4	1	Job Reference (optional)

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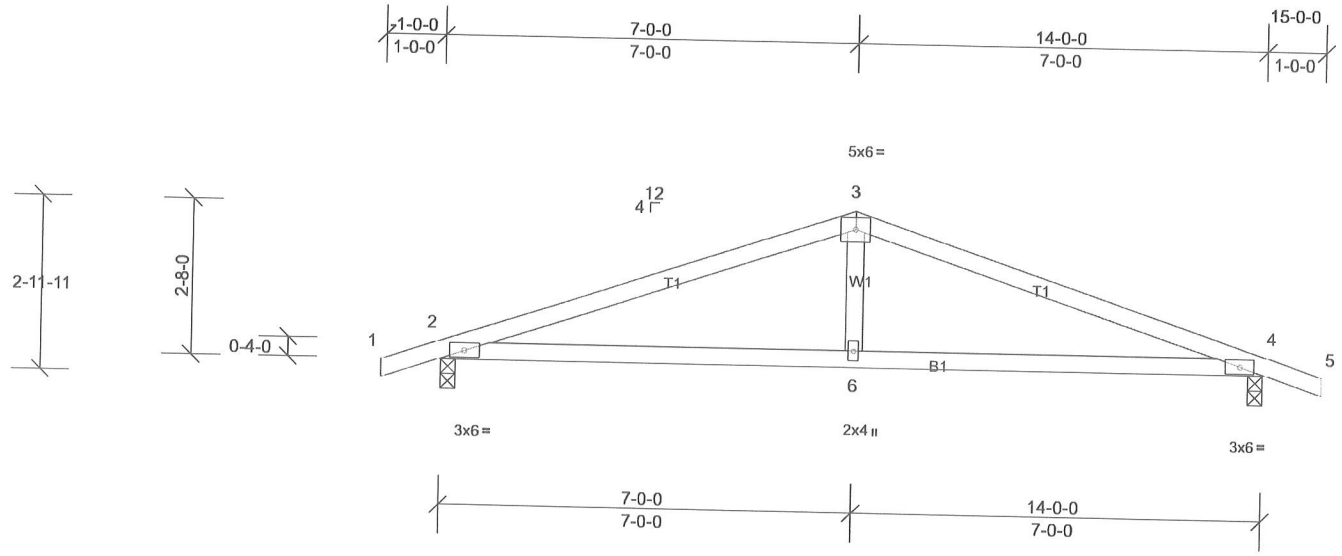


Scale = 1:37.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.65	Vert(LL)	-0.09	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.17	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 49 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins.
BOT CHORD 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.

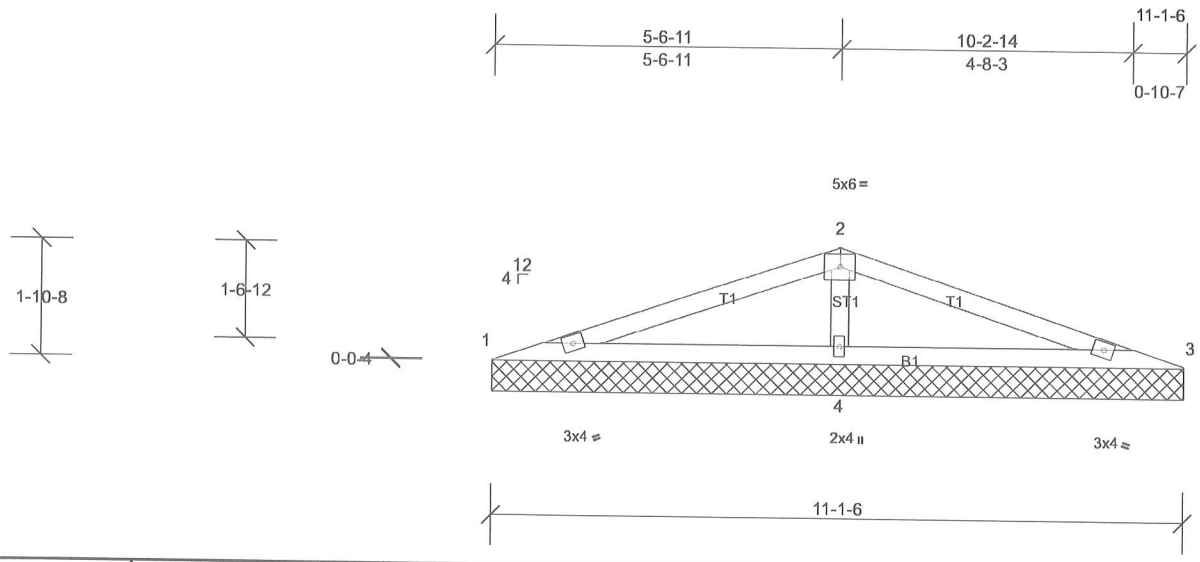
REACTIONS (lb/size) 2=620/0-3-0, (min. 0-1-8), 4=620/0-3-0, (min. 0-1-8)
Max Horiz 2=-37 (LC 15)
Max Uplift 2=-67 (LC 6), 4=-67 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1059/177, 3-4=-1059/177
BOT CHORD 2-6=-89/954, 4-6=-89/954
WEBS 3-6=0/326

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) 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 67 lb uplift at joint 2 and 67 lb uplift at joint 4.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	DV1	Valley	1	1	Job Reference (optional)



Scale = 1:34.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 33 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD 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.

REACTIONS (lb/size) 1=78/11-1-6, (min. 0-1-8), 3=78/11-1-6, (min. 0-1-8), 4=734/11-1-6, (min. 0-1-8)
Max Horiz 1=-24 (LC 11)
Max Uplift 1=-15 (LC 10), 3=-19 (LC 11), 4=-30 (LC 6)
Max Grav 1=114 (LC 21), 3=114 (LC 22), 4=734 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-177/446, 2-3=-87/446
BOT CHORD 1-4=-381/162, 3-4=-381/118
WEBS 2-4=-536/165

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 1, 19 lb uplift at joint 3 and 30 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	E1	Attic Supported Gable	1	1	Job Reference (optional)

Run: 8.63 S Jan 12 2023 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 09:24:56 Page: 1
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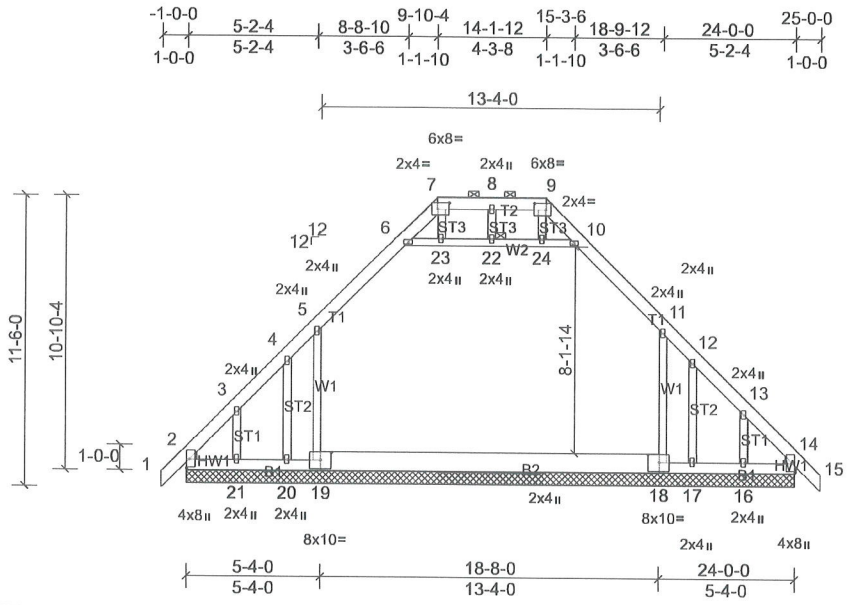

Scale = 1:85.9

Plate Offsets (X, Y): [7:0-5-8,0-3-0], [9:0-5-8,0-3-0], [18:0-5-0,0-3-8], [19:0-5-0,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 211 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x10 SP 2400F 2.0E or 2x10 SP DSS
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.3 Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 22

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

REACTIONS All bearings 24-0-0.
(lb) - Max Horiz 2=222 (LC 9), 25=222 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 14, 25, 29 except 16=-129 (LC 11), 17=-614 (LC 16), 20=-614 (LC 16), 21=-129 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 16, 17, 20, 21 except 2=585 (LC 1), 14=585 (LC 1), 18=1109 (LC 19), 19=1114 (LC 18), 25=585 (LC 1), 29=585 (LC 1)

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

TOP CHORD	2-3=-565/71, 3-4=-522/65, 4-5=-483/97, 5-6=-582/121, 6-7=-342/64, 9-10=-342/66, 10-11=-582/121, 11-12=-483/91, 12-13=-522/61, 13-14=-563/67
BOT CHORD	2-21=-143/401, 20-21=-42/400, 19-20=-42/400, 18-19=-38/395, 17-18=-34/396, 16-17=-34/396, 14-16=-34/396
WEBS	5-19=-287/164, 11-18=-287/159

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
9) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-23, 22-23, 22-24, 10-24
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 14, 2, 14 except (jt=lb) 20=614, 21=129, 17=614, 16=128.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	E2	Attic	9	1	Job Reference (optional)

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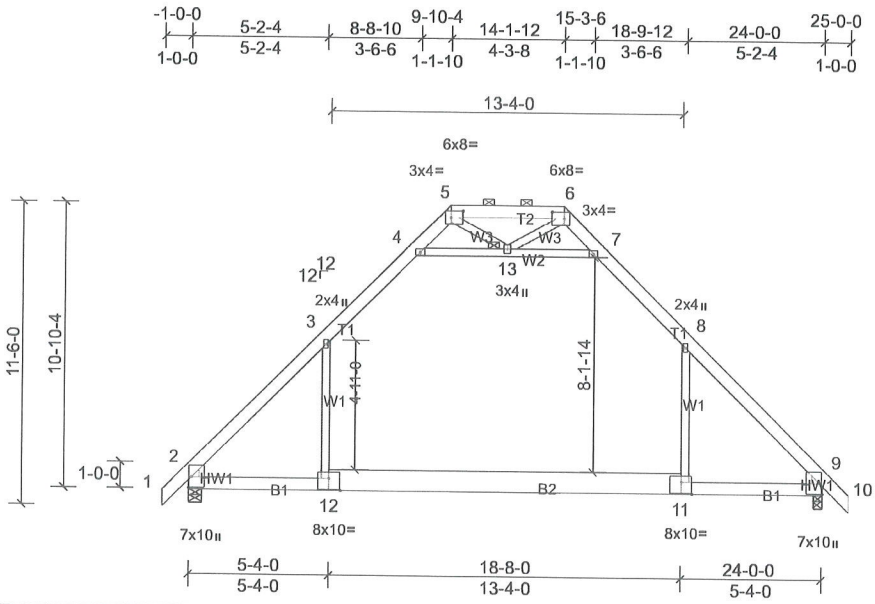

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Plate Offsets (X, Y): [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [11:0-5-0,Edge], [12:0-5-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.41	11-12	>699	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.62	11-12	>468	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.24	11-12	>664	360	Weight: 195 lb	FT = 20%

LUMBER
- TOP CHORD 2x6 SP 2400F 2.0E or 2x6 SP DSS *Except* T2:2x6 SP No.2
- BOT CHORD 2x6 SP No.2 *Except* B2:2x10 SP 2400F 2.0E or 2x10 SP DSS
- WEBS 2x4 SP No.3
- WEDGE Left: 2x4 SP No.3
  Right: 2x4 SP No.3

BRACING
- TOP CHORD Structural wood sheathing directly applied or 5-3-11 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-6.
- BOT CHORD Rigid ceiling directly applied or 8-0-15 oc bracing.
- JOINTS 1 Brace at Jt(s): 13

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

REACTIONS (lb/size) 2=1155/0-6-0, (min. 0-1-11), 9=1155/0-4-0, (min. 0-1-11)
Max Horiz 2=-223 (LC 8)
Max Grav 2=1425 (LC 2), 9=1425 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD 2-3=-1696/0, 3-4=-983/134, 4-5=-73/414, 5-6=-14/643, 6-7=-73/414, 7-8=-983/134, 8-9=-1696/0
- BOT CHORD 2-12=-88/1016, 11-12=0/1035, 9-11=0/1012
- WEBS 3-12=0/903, 8-11=0/903, 4-13=-1642/176, 7-13=-1641/176

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) 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) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-13, 7-13
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-12
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	E3	Attic Girder	1	2	Job Reference (optional)

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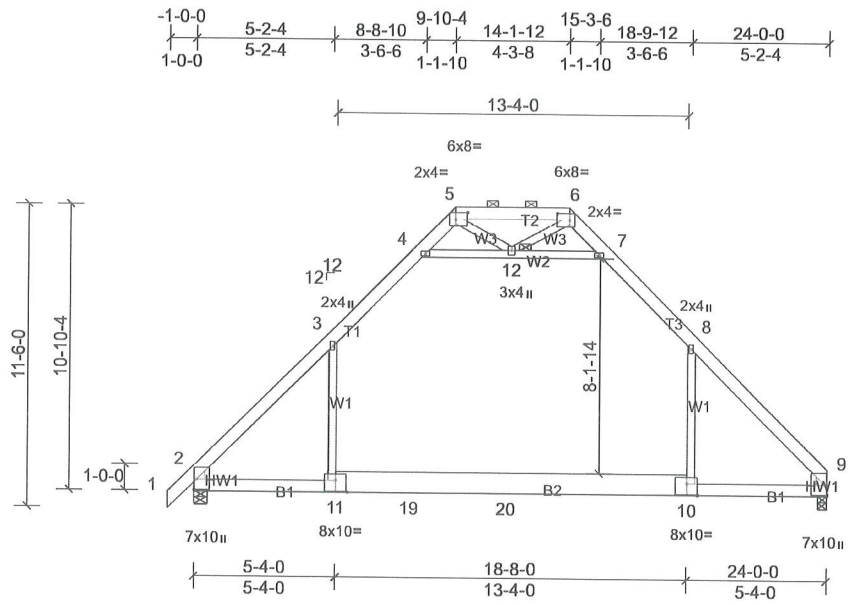

Scale = 1:82.5

Plate Offsets (X, Y): [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [10:0-5-0,Edge], [11:0-5-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.21	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.59	10-11	>491	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.12	10-11	>999	360	Weight: 384 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP 2400F 2.0E or 2x6 SP DSS *Except* T2:2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x10 SP 2400F 2.0E or 2x10 SP DSS
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.3 Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 12

REACTIONS (lb/size) 2=1857/0-6-0, (min. 0-1-8), 9=1593/0-4-0, (min. 0-1-8)
Max Horiz 2=216 (LC 5)
Max Grav 2=2126 (LC 2), 9=1873 (LC 2)

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

TOP CHORD	2-3=-2572/0, 3-4=-1320/0, 4-5=0/770, 5-6=0/1176, 6-7=0/790, 7-8=-1361/0, 8-9=-2529/0
BOT CHORD	2-11=0/1489, 11-19=0/1531, 19-20=0/1531, 10-20=0/1531, 9-10=0/1488
WEBS	3-11=0/1686, 8-10=0/1567, 4-12=-2649/0, 7-12=-2736/0

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.33
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) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-12, 7-12
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 10-11
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-70, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-70, 8-9=-60, 11-13=-20, 10-11=-30, 10-16=-20, 4-12=-10, 7-12=-10
Concentrated Loads (lb)
Vert: 19=-600, 20=-600

Job	Truss	Truss Type	Qty	Ply	
4242230	E4	Piggyback Base	6	1	Job Reference (optional)

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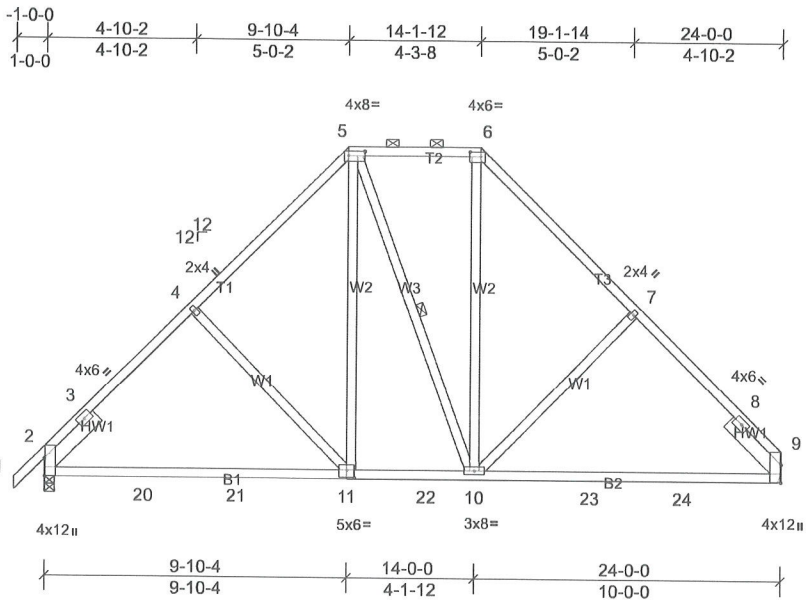

Scale = 1:71

Plate Offsets (X, Y): [2:0-7-1,Edge], [5:0-6-4,0-1-12], [6:0-4-4,0-1-12], [9:0-7-1,Edge], [11:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.18	10-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.36	10-14	>800	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 166 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x6 SP No.2 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-10

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

REACTIONS (lb/size) 2=1021/0-4-0, (min. 0-1-8), 9=959/ Mechanical, (min. 0-1-8)
Max Horiz 2=216 (LC 9)
Max Uplift 2=-20 (LC 10), 9=-5 (LC 11)
Max Grav 2=1024 (LC 2), 9=966 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-810/0, 3-4=-1021/157, 4-5=-895/205, 5-6=-558/201, 6-7=-885/204, 7-8=-898/158, 8-9=-820/0
BOT CHORD 2-20=-209/794, 20-21=-90/794, 11-21=-90/794, 11-22=-22/617, 10-22=-22/617, 10-23=-23/684, 23-24=-23/684, 9-24=-23/684
WEBS 5-11=-69/408, 6-10=-45/368, 4-11=-268/195, 7-10=-269/196

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) 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, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 9 and 20 lb uplift at joint 2.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	E5	Piggyback Base	5	1	Job Reference (optional)

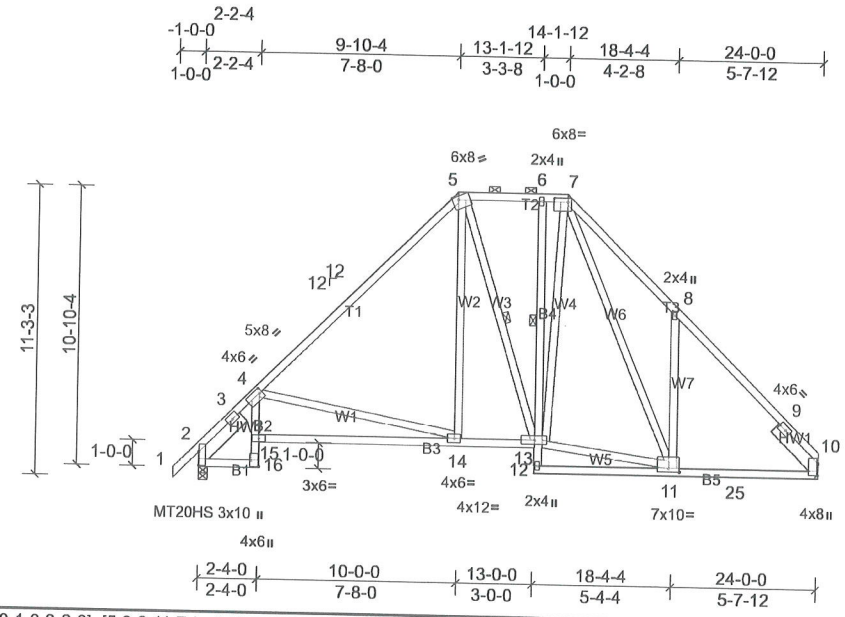

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Plate Offsets (X, Y): [2:0-6-9,0-0-2], [4:0-1-0,0-2-0], [5:0-2-11,Edge], [7:0-6-4,0-1-12], [10:0-5-9,0-0-2], [11:0-5-0,0-1-12], [16:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.12	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.28	14-15	>999	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 203 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS, B4:2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x6 SP No.2 -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 6-13
WEBS 1 Row at midpt 5-13

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

REACTIONS (lb/size) 2=1021/0-4-0, (min. 0-1-8), 10=959/ Mechanical, (min. 0-1-8)
Max Horiz 2=216 (LC 7)
Max Uplift 2=-20 (LC 10), 10=-5 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1134/115, 4-5=-1036/163, 5-6=-593/194, 6-7=-591/194, 7-8=-1051/355, 8-9=-1047/138, 9-10=-279/0
BOT CHORD 2-16=-156/759, 14-15=-299/1294, 13-14=-26/613, 11-25=0/675, 10-25=0/675
WEBS 4-14=-705/352, 5-14=0/406, 8-11=-344/286, 11-13=-1/520, 7-13=-87/290, 7-11=-300/453

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 10 and 20 lb uplift at joint 2.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	E6	Piggyback Base Supported Gable	1	1	Job Reference (optional)

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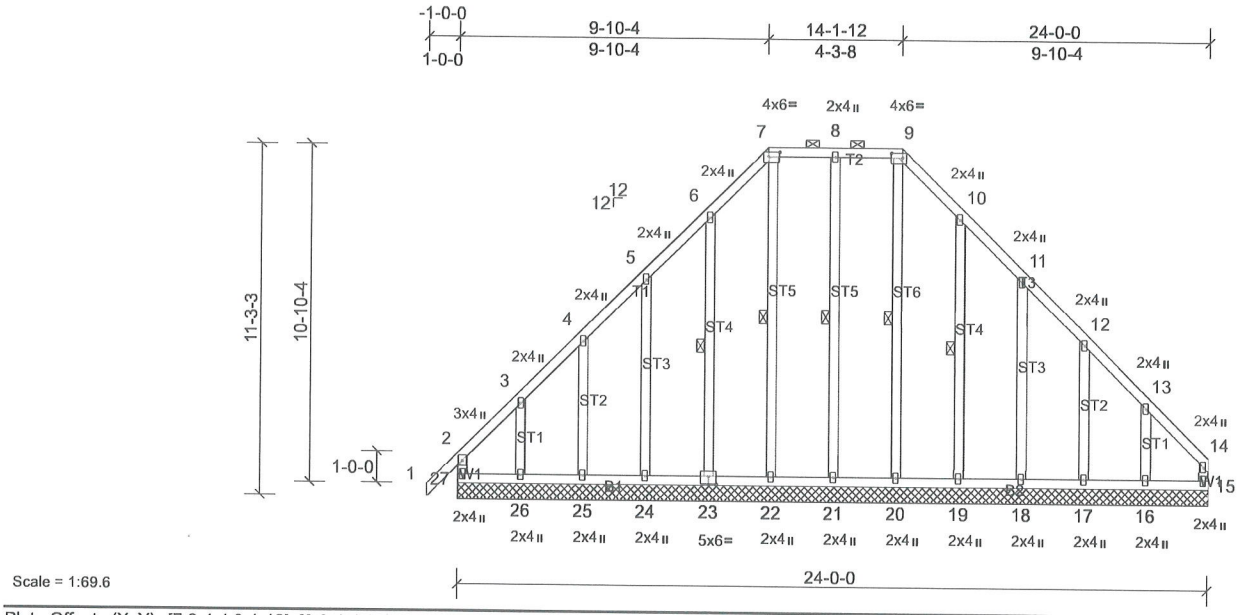

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Plate Offsets (X, Y): [7:0-4-4,0-1-12], [9:0-4-4,0-1-12], [23:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 199 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

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.): 7-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-21, 7-22, 6-23, 9-20, 10-19

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

REACTIONS All bearings 24-0-0.
(lb) - Max Horiz 27=238 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 15, 17, 18, 19, 21, 23, 24, 25 except 16=-151 (LC 11), 26=-161 (LC 10), 27=-133 (LC 6)
Max Grav All reactions 250 (lb) or less at joint (s) 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 except 27=251 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-278/315, 9-10=-278/315

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
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) 15, 21, 23, 24, 25, 19, 18, 17 except (jt=lb) 27=132, 26=160, 16=151.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	F1	Piggyback Base	2	1	Job Reference (optional)

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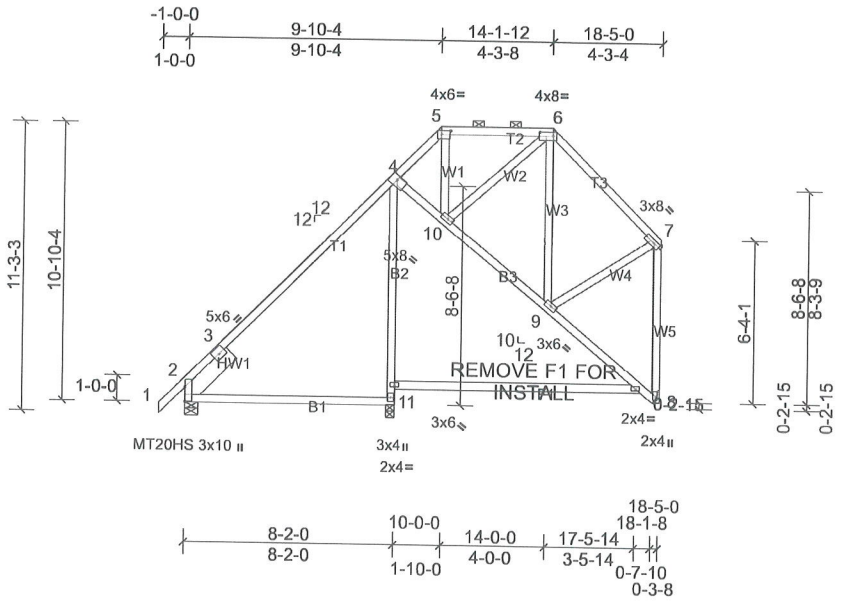

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Plate Offsets (X, Y): [2:0-6-13,0-0-2], [4:0-3-5,0-2-3], [5:0-4-4,0-1-12], [6:0-6-4,0-1-12], [7:0-3-7,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	0.23	11-16	>417	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.32	11-16	>300	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.12	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 143 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E or DSS -- 2-5-0

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.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-8-13 oc bracing: 4-11.

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

REACTIONS (lb/size) 2=339/0-6-0, (min. 0-1-8), 8=375/ Mechanical, (min. 0-1-8), 11=808/0-4-0, (min. 0-1-8)
Max Horiz 2=288 (LC 9)
Max Uplift 2=-119 (LC 6), 8=-59 (LC 6), 11=-257 (LC 7)
Max Grav 2=466 (LC 18), 8=391 (LC 18), 11=874 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-430/195, 3-4=-294/320, 6-7=-297/131, 7-8=-358/74
BOT CHORD 2-11=-264/237, 4-11=-759/275, 4-10=-145/283

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 2, 257 lb uplift at joint 11 and 59 lb uplift at joint 8.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	J2	Jack-Closed	2	1	Job Reference (optional)

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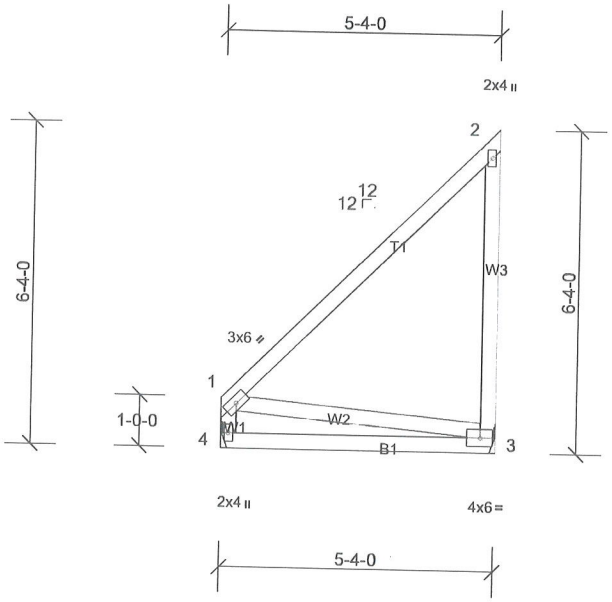

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.04	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.08	3-4	>786	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 36 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except end verticals.
BOT CHORD 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 (lb/size) 3=202/ Mechanical, (min. 0-1-8), 4=202/ Mechanical, (min. 0-1-8)
Max Horiz 4=180 (LC 7)
Max Uplift 3=-90 (LC 7)
Max Grav 3=247 (LC 17), 4=238 (LC 18)

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

NOTES
1) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
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 90 lb uplift at joint 3.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	J3	Monopitch	2	1	Job Reference (optional)

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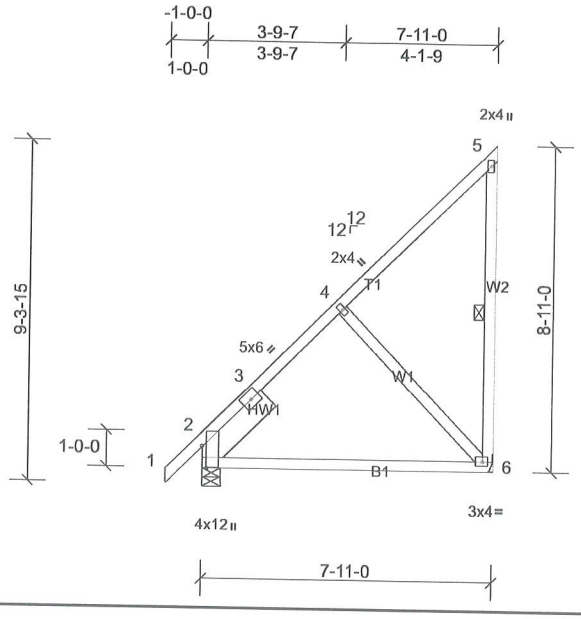

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Plate Offsets (X, Y): [2:0-7-1,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.10	6-9	>961	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.19	6-9	>486	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 59 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E or DSS -- 2-5-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-6

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

REACTIONS (lb/size) 2=375/0-6-0, (min. 0-1-8), 6=307/ Mechanical, (min. 0-1-8)
Max Horiz 2=269 (LC 9)
Max Uplift 6=-118 (LC 7)
Max Grav 2=395 (LC 18), 6=367 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-664/0
WEBS 4-6=-270/162

NOTES
1) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
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 118 lb uplift at joint 6.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	PB01	Roof Special Supported Gable	25	1	Job Reference (optional)

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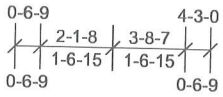

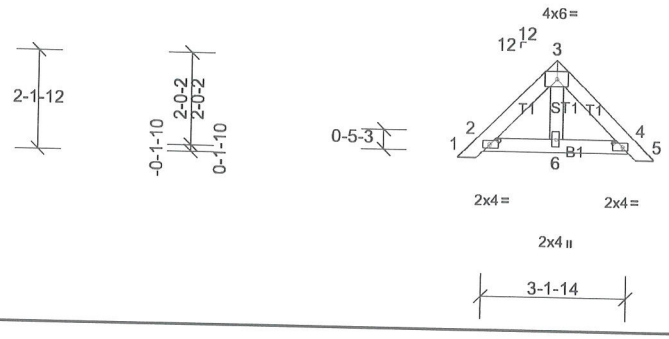

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Plate Offsets (X, Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 16 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins.
BOT CHORD 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.

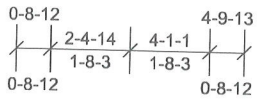
REACTIONS All bearings 3-1-14.
(lb) - Max Horiz 2=39 (LC 9), 7=39 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint (s) 2, 4, 6, 7, 10

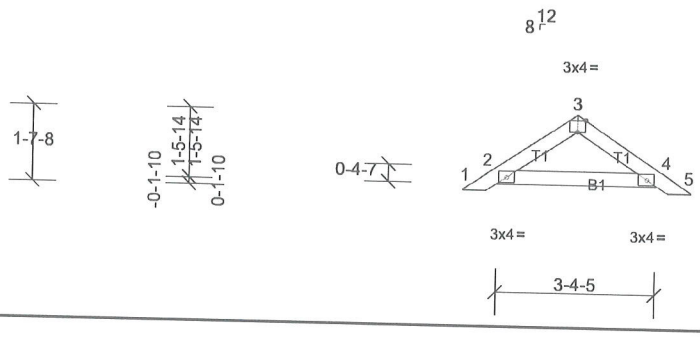
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 4, 2, 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
4242230	PB02	Piggyback	19	1	Job Reference (optional)





Scale = 1:46.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 14 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 4-10-9 oc purlins.
BOT CHORD 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 3-4-5.
(lb) - Max Horiz 2=-29 (LC 8), 6=-29 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 10
Max Grav All reactions 250 (lb) or less at joint (s) 2, 4, 6, 10

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=118mph (3-second gust) Vasd=93mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 4, 2, 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

1. Portal framing bolts right side small wing wall need to be in the center 1/3 2. Need to seal air barrier at stairs. 3. You need to seal the air barrier underneath the floor system in garage. 4. Need correct nails into the truss hangers 5. Missing baffles throughout the house 6. Missing nail plate master bedroom vent 7. Need a king stud, each side of master bath window 8. A king left side of rear window at LVL 9. Need all window stickers from the manufacturer 10. Need to secure tub shroud small bathroom 11. Need to hanger attic access 12. Need to fire stop hole at top plate front door switch switches 13. Missing air barrier upstairs, closet wall area 12/17/2024 3:34:30 PM This is the 2nd party of the rough in inspection. Need to have both notes completed for rough 14. E1 and E3 are in the wrong place . It should be a double E3 need letter 15. Need to fasten a double E per documents 16. E1-E3 trusses missing bracing 17. Missing j3 trusses and hangers 18. Rafters need to bear solid on ridge beam 19. F1 trusses need letter appears to be altered that gusset plate 20. B2 truss missing bracing at shower area 21. Floor joist under master water closet has been cut 22. Gas gauge broken no pressure on test 23. All LVL headers need to be fasten 12 inches on center 24. Need to house wrap front door area Note front and rear porch post not installed at the time of inspection