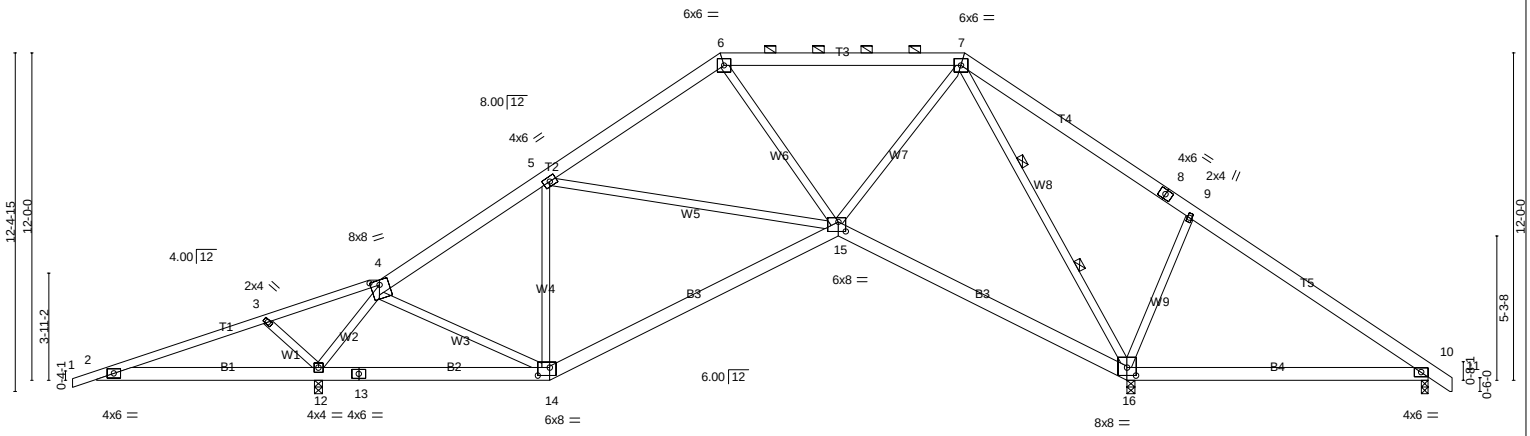
Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A1	PIGGYBACK BASE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2.0 s 5.20 Jul 24 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:34 2025 Page 1
ID:WfD3s?l6Jt?bYANr0?RqxFypd71-N_sDSLKtJdryNfVKZ95UbuKyBDqkhN1j3x8iVGyofDx

-0-10-8	6-3-7	9-7-8	10-4-9	16-7-8	22-10-8	31-10-2	40-1-0	48-10-0	49-8-8
0-10-8	6-3-7	3-4-1	0-9-1	6-2-15	6-3-0	8-11-10	8-2-15	8-9-0	0-10-8

Scale = 1:84.5



8-1-12	16-7-8	27-2-8	37-9-8	37-11-4	48-10-0
8-1-12	8-5-12	10-7-0	10-7-0	0-1-12	10-10-12

Plate Offsets (X,Y)-- [4:0-4-0,0-2-1], [14:0-5-4,0-3-8], [15:0-3-4,0-4-4], [16:0-4-0,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.13	16-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.22	16-19	>601	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.06	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.18	16-19	>753	240	Weight: 340 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 2 Rows at 1/3 pts 7-16

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

REACTIONS. (lb/size) 16=1719/0-3-8, 10=350/0-3-0, 12=1941/0-3-8
Max Horz 12=289(LC 11)
Max Uplift 16=-19(LC 13), 10=-185(LC 8), 12=-218(LC 8)
Max Grav 16=1719(LC 1), 10=406(LC 26), 12=1941(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-22=-873/883, 3-22=-864/940, 3-4=-956/1180, 4-5=-887/124, 5-23=-1128/192, 6-23=-934/230, 6-24=-923/184, 24-25=-923/184, 7-25=-923/184, 7-26=-30/363, 8-26=-73/304, 8-9=-83/303, 9-27=-89/220, 10-27=-163/182, 10-11=0/28
BOT CHORD 2-12=-838/898, 12-13=-249/633, 13-14=-249/633, 14-15=-170/975, 15-16=-83/602, 16-28=-114/97, 28-29=-114/97, 10-29=-114/97
WEBS 3-12=-366/224, 4-12=-1751/742, 4-14=-480/890, 5-14=-573/259, 5-15=-223/238, 6-15=0/286, 7-15=-42/858, 7-16=-1398/68, 9-16=-617/386

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-11-9, Interior(1) 3-11-9 to 22-11-5, Exterior(2) 22-11-5 to 27-9-7, Interior(1) 27-9-7 to 31-9-4, Exterior(2) 31-9-4 to 36-7-6, Interior(1) 36-7-6 to 49-8-1 zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 19 lb uplift at joint 16, 185 lb uplift at joint 10 and 218 lb uplift at joint 12.
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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A1	PIGGYBACK BASE	1	1	Job Reference (optional)

NOTES-

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
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

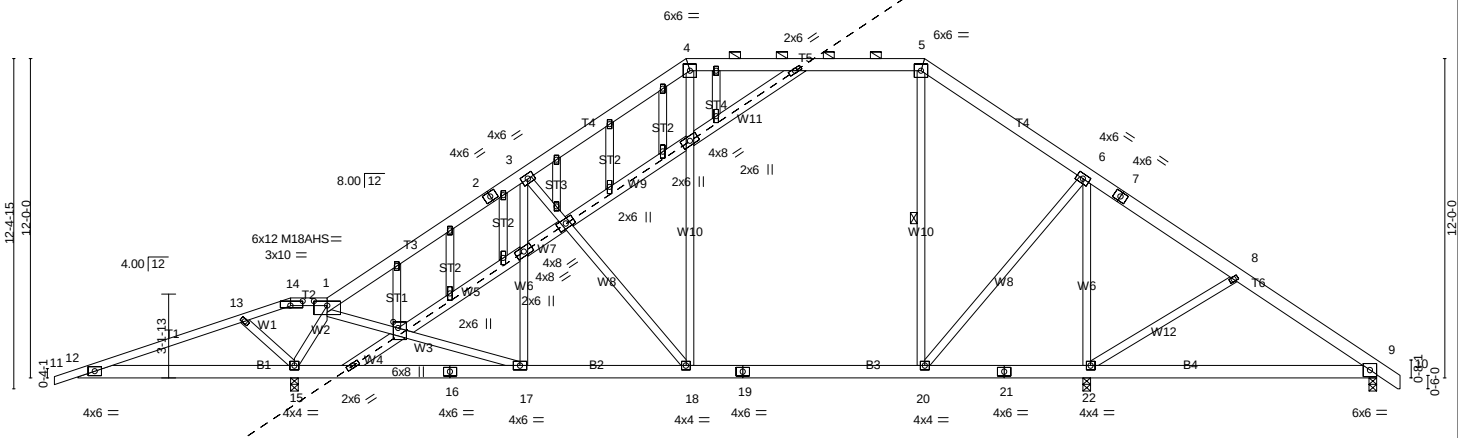
Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A1-STR	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2.0 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:36 2025 Page 1

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-JM_zt1L8rF5gdzfjha7ygJQ8K1QO9Iu0WFdpZ8yofDv

-0-10-8	6-3-7	9-4-10	16-9-6	22-10-8	31-10-2	37-11-4	43-5-8	48-10-0	49-8-8
0-10-8	6-3-7	3-1-3	7-4-12	6-1-2	8-11-10	6-1-2	5-6-4	5-4-8	0-10-8

Scale = 1:86.6



8-1-12	16-9-6	23-0-3	31-8-7	37-11-4	43-3-12	48-10-0
8-1-12	8-7-10	6-2-13	8-8-4	6-2-13	5-4-8	5-6-4

Plate Offsets (X,Y)-- [1:0-6-0,0-2-0], [9:0-0-1,0-0-0], [14:0-5-8,0-2-0], [24:0-2-12,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.13	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.19	18-20	>999	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.10	17-18	>999	240	Weight: 422 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T1,T2: 2x4 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except* W4,W5,W7,W9,W11: 2x6 SP No.1
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-8-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5, 1-14.
BOT CHORD	Rigid ceiling directly applied or 5-4-6 oc bracing.
WEBS	1 Row at midpt 5-20

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

REACTIONS. (lb/size) 15=3515/0-3-8 (req. 0-4-2), 22=885/0-3-8, 9=912/0-3-8
Max Horz 15=371(LC 26)
Max Uplift 15=-752(LC 8), 22=-649(LC 4), 9=-301(LC 24)
Max Grav 15=3515(LC 1), 22=1083(LC 34), 9=1217(LC 15)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1788/382, 2-3=-1604/408, 3-4=-1614/465, 5-6=-1630/491, 6-7=-1611/584, 7-8=-1735/576, 8-9=-1922/555, 9-10=0/28, 4-5=-1276/448, 11-12=0/17, 12-13=-564/1450, 13-14=-699/1787, 1-14=-692/1778
BOT CHORD	12-47=-1295/595, 47-48=-1295/595, 15-48=-1295/595, 15-49=-972/1058, 16-49=-972/1058, 16-17=-972/1058, 17-50=-442/1632, 18-50=-442/1632, 18-19=-350/1396, 19-20=-350/1396, 20-21=-476/1442, 21-22=-476/1442, 9-22=-420/1563
WEBS	1-15=-1986/525, 1-17=-304/1812, 3-17=-495/230, 6-22=-779/474, 8-22=-334/258, 4-18=-108/603, 5-20=-146/591, 6-20=-280/334, 3-18=-438/303, 13-15=-687/344

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) WARNING: Required bearing size at joint(s) 15 greater than input bearing size.

Continued on page 2

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 752 lb uplift at joint 15, 649 lb uplift at joint 22 and 301 lb uplift at joint 9.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 49 lb up at 4-0-12, 297 lb down and 57 lb up at 6-0-12, and 297 lb down and 68 lb up at 8-0-12, and 297 lb down and 68 lb up at 10-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 5-10=-60, 12-44=-20, 4-5=-60, 11-14=-60, 1-14=-60
   Concentrated Loads (lb)
      Vert: 15=-297(B) 47=-411(B) 48=-297(B) 49=-297(B)

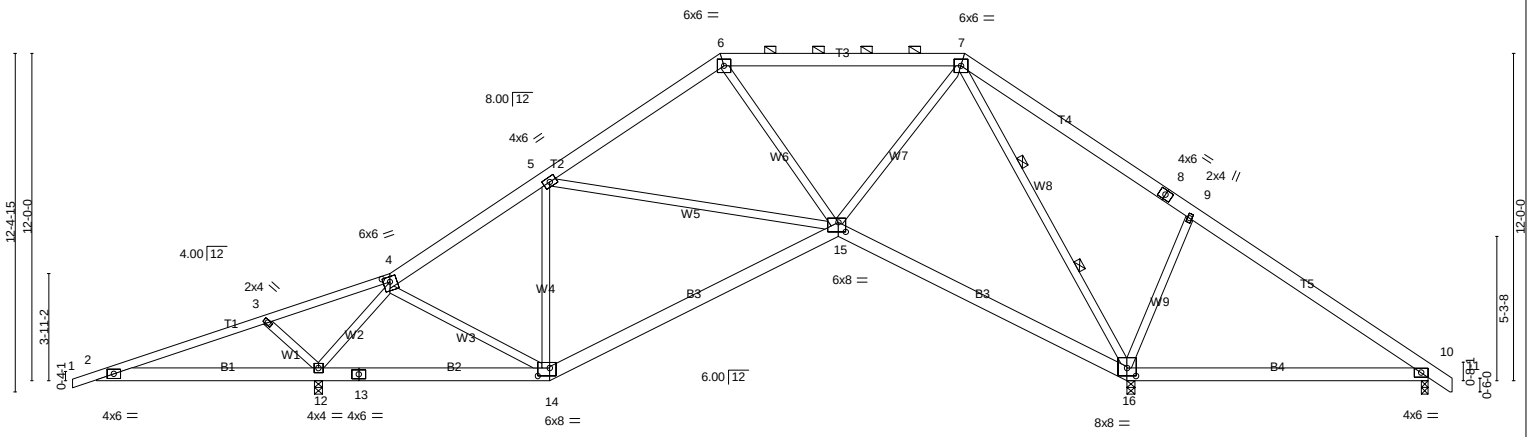
Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A2	PIGGYBACK BASE	8	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 24 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:37 2025 Page 1

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-nZYL4NMmcYDXE7EvEHeBDWySFRrRujl9lvMM6byofDu

-0-10-8	6-3-7	10-9-3	16-7-8	22-10-8	31-10-2	40-1-0	48-10-0	49-8-8
0-10-8	6-3-7	4-5-12	5-10-5	6-3-0	8-11-10	8-2-15	8-9-0	0-10-8

Scale = 1:84.5



8-1-12	16-7-8	27-2-8	37-9-8	37-11-4	48-10-0
8-1-12	8-5-12	10-7-0	10-7-0	0-1-12	10-10-12

Plate Offsets (X,Y)-- [4:0-3-0,0-2-4], [14:0-5-4,0-3-8], [15:0-3-4,0-4-4], [16:0-4-0,0-3-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.13	16-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.22	16-19	>601	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.07	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.18	16-19	>752	240	Weight: 340 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T1: 2x4 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	2 Rows at 1/3 pts 7-16

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

REACTIONS. (lb/size) 16=1722/0-3-8, 10=347/0-3-0, 12=1940/0-3-8
Max Horz 12=289(LC 11)
Max Uplift 16=-19(LC 13), 10=-184(LC 8), 12=-229(LC 8)
Max Grav 16=1722(LC 1), 10=405(LC 26), 12=1940(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/17, 2-22=-870/877, 3-22=-856/935, 3-4=-949/1183, 4-5=-885/126, 5-23=-1126/192, 6-23=-933/230 , 6-24=-921/184, 24-25=-921/184, 7-25=-921/184, 7-26=-28/366, 8-26=-70/303, 8-9=-81/302, 9-27=-87/219, 10-27=-161/181, 10-11=0/28
BOT CHORD	2-12=-832/896, 12-13=-206/607, 13-14=-206/607, 14-15=-170/968, 15-16=-82/600, 16-28=-117/95, 28-29=-117/95, 10-29=-117/95
WEBS	3-12=-364/216, 4-12=-1814/775, 4-14=-426/780, 5-14=-553/252, 5-15=-218/239, 6-15=0/285, 7-15=-42/856, 7-16=-1400/68, 9-16=-618/386

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-11-9, Interior(1) 3-11-9 to 22-11-5, Exterior(2) 22-11-5 to 27-9-7, Interior(1) 27-9-7 to 31-9-4, Exterior(2) 31-9-4 to 36-7-6, Interior(1) 36-7-6 to 49-8-1 zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 19 lb uplift at joint 16, 184 lb uplift at joint 10 and 229 lb uplift at joint 12.
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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A2	PIGGYBACK BASE	8	1	Job Reference (optional)

NOTES-

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

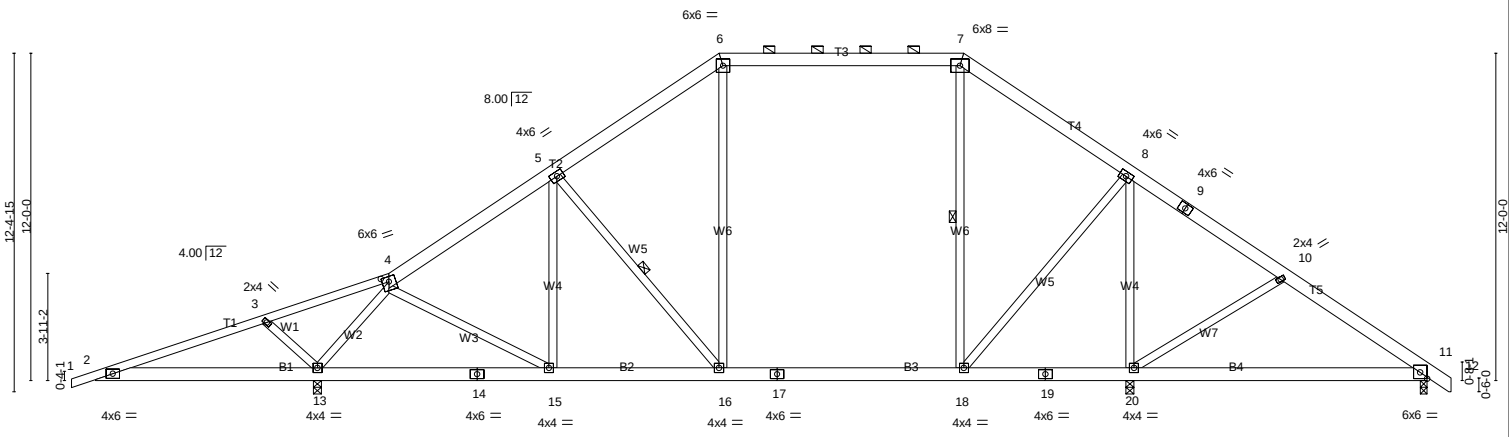
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A3	ROOF SPECIAL	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:39 2025 Page 1
ID:WfD3s?l6Jt?bYANr0?RqxFypd71-kxg6V3O08ATEUQOIMihfIx2omEVfMeaSCCrTATyofDs

-0-10-8	6-3-7	10-9-3	16-9-6	22-10-8	31-10-2	37-11-4	43-5-8	48-10-0	49-8-8
0-10-8	6-3-7	4-5-12	6-0-3	6-1-2	8-11-10	6-1-2	5-6-4	5-4-8	0-10-8

Scale = 1:84.5



8-1-12	16-9-6	23-0-3	31-8-7	37-11-4	48-10-0
8-1-12	8-7-10	6-2-13	8-8-4	6-2-13	10-10-12

Plate Offsets (X,Y)-- [4:0-3-0,0-2-4], [11:Edge,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.13	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.20	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	20-25	>999	240	Weight: 349 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-18, 5-16

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

REACTIONS. (lb/size) 13=2197/0-3-8, 20=786/0-3-8, 11=1026/0-3-0
Max Horz 13=289(LC 11)
Max Uplift 13=-185(LC 12), 20=-474(LC 8), 11=-169(LC 9)
Max Grav 13=2229(LC 2), 20=986(LC 20), 11=1173(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-26=-871/871, 3-26=-856/929, 3-4=-949/1176, 4-5=-1719/140, 5-27=-1602/291, 6-27=-1503/328, 7-28=-1455/338, 8-28=-1609/301, 8-9=-1531/337, 9-10=-1634/312, 10-29=-1717/343, 11-29=-1833/317, 11-12=0/28, 6-31=-1273/345, 31-32=-1273/345, 7-32=-1273/345
BOT CHORD 2-13=-826/896, 13-14=-242/876, 14-15=-242/876, 15-30=-202/1543, 16-30=-202/1543, 16-17=-157/1359, 17-18=-157/1359, 18-19=-257/1340, 19-20=-257/1340, 11-20=-219/1484
WEBS 3-13=-363/214, 4-13=-2221/740, 4-15=-405/935, 5-15=-312/339, 10-20=-380/296, 6-16=-5/546, 7-18=-39/503, 8-20=-700/323, 8-18=-167/287, 5-16=-328/140

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-11-9, Interior(1) 3-11-9 to 22-11-5, Exterior(2) 22-11-5 to 27-9-7, Interior(1) 27-9-7 to 31-9-4, Exterior(2) 31-9-4 to 36-7-6, Interior(1) 36-7-6 to 49-8-1 zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 185 lb uplift at joint 13, 474 lb uplift at joint 20 and 169 lb uplift at joint 11.
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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A3	ROOF SPECIAL	5	1	Job Reference (optional)

NOTES-

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
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	Peyton & Amberly Home
250306-A	A4	ROOF SPECIAL	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:40 2025 Page 1
ID:WfD3s?I6Jt?bYANr0?RqxFypd71-C8EUjPOevTb55azUwPCur9azLerv570bRsb1iwyofDr

-0-10-8	6-3-7	9-6-8	10-1-14	16-9-6	22-10-8	31-10-2	37-11-4	43-5-8	48-10-0	49-8-8
0-10-8	6-3-7	3-3-1	0-7-6	6-7-8	6-1-2	8-11-10	6-1-2	5-6-4	5-4-8	0-10-8

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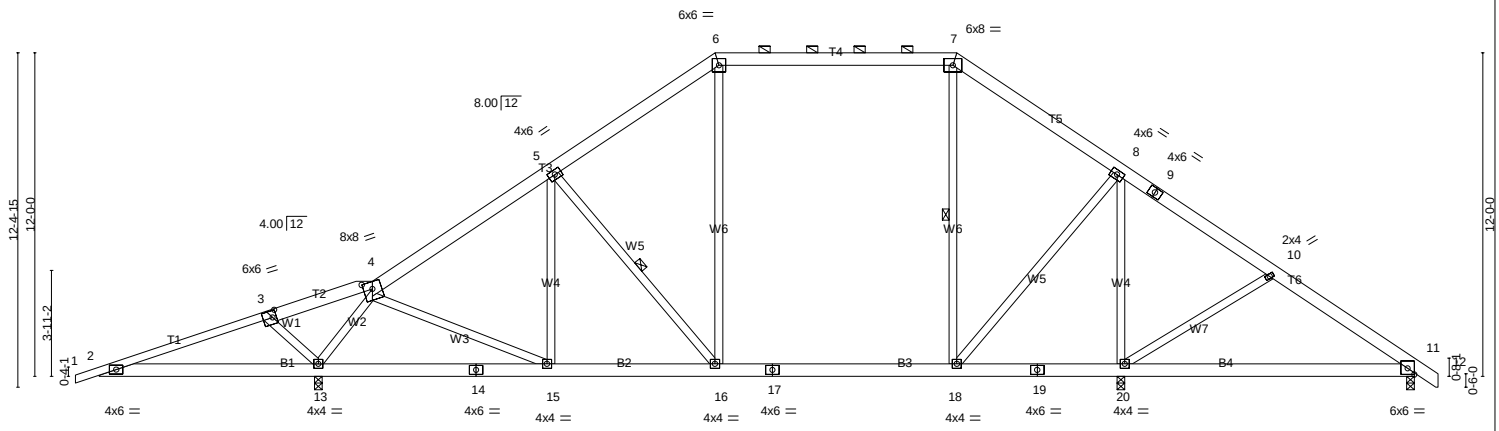

8-1-12	16-9-6	23-0-3	31-8-7	37-11-4	43-3-12	48-10-0
8-1-12	8-7-10	6-2-13	8-8-4	6-2-13	5-4-8	5-6-4

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.13	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.20	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	20-25	>999	240	Weight: 353 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-18, 5-16

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

REACTIONS. (lb/size) 13=2197/0-3-8, 20=786/0-3-8, 11=1026/0-3-8
Max Horz 13=289(LC 11)
Max Uplift 13=-185(LC 12), 20=-480(LC 8), 11=-168(LC 9)
Max Grav 13=2229(LC 2), 20=986(LC 20), 11=1178(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-26=-866/875, 3-26=-851/935, 3-4=-952/1160, 4-5=-1743/138, 5-27=-1610/292, 6-27=-1510/329, 7-28=-1461/338, 8-28=-1615/301, 8-9=-1519/336, 9-10=-1643/327, 10-29=-1726/343, 11-29=-1842/316, 11-12=0/28, 6-31=-1278/344, 31-32=-1278/344, 7-32=-1278/344
BOT CHORD 2-13=-830/890, 13-14=-249/768, 14-15=-249/768, 15-30=-202/1554, 16-30=-202/1554, 16-17=-157/1365, 17-18=-157/1365, 18-19=-256/1347, 19-20=-256/1347, 11-20=-218/1491
WEBS 4-13=-2080/665, 4-15=-492/1129, 5-15=-323/343, 8-20=-699/328, 10-20=-380/296, 6-16=-7/553, 7-18=-38/506, 8-18=-171/286, 5-16=-338/142, 3-13=-394/253

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-11-9, Interior(1) 3-11-9 to 22-11-5, Exterior(2) 22-11-5 to 27-9-7, Interior(1) 27-9-7 to 31-9-4, Exterior(2) 31-9-4 to 36-7-6, Interior(1) 36-7-6 to 49-8-1 zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 185 lb uplift at joint 13, 480 lb uplift at joint 20 and 168 lb uplift at joint 11.
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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A4	ROOF SPECIAL	1	1	Job Reference (optional)

NOTES-

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
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	Peyton & Amberly Home
250306-A	A4-STR	GABLE	1	1	Job Reference (optional)

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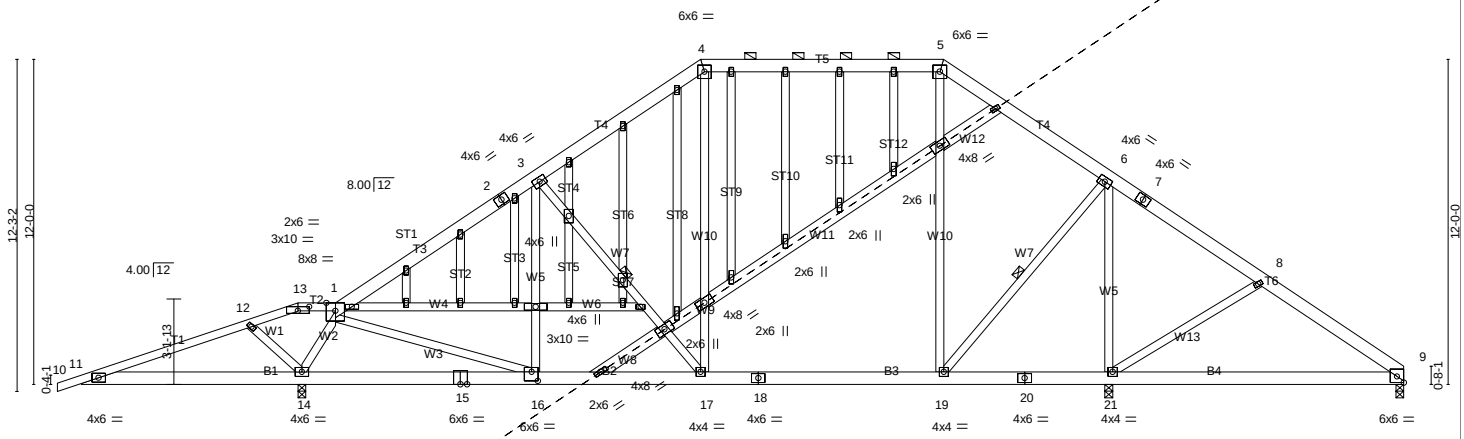
ID:WfD3s?I6Jt?bYANr0?RqxFypd71-8WLE74QvR5rpLu7t1qEMwagCkST2Z1luuA47noyofDp

-0-10-8	6-3-7	9-4-10	16-9-6	22-10-8	31-10-2	37-11-4	43-5-8	48-10-0
0-10-8	6-3-7	3-1-3	7-4-12	6-1-2	8-11-10	6-1-2	5-6-4	5-4-8

Scale = 1:85.1



8-1-12	16-9-6	23-0-3	31-8-7	37-11-4	43-3-12	48-10-0
8-1-12	8-7-10	6-2-13	8-8-4	6-2-13	5-4-8	5-6-4

Plate Offsets (X,Y)-- [9:Edge,0-2-12], [13:0-5-0,0-1-13], [16:0-2-12,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.13	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.26	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.13	16-17	>999	240	Weight: 480 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T1,T2: 2x4 SP No.1
BOT CHORD	2x6 SP No.1 *Except* B1,B4: 2x6 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* W8,W9,W11,W12: 2x6 SP No.1
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins, except 2-0-0 oc purlins (5-9-0 max.): 4-5, 1-13.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-19, 3-17

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

REACTIONS. (lb/size) 14=4648/0-3-8 (req. 0-3-14), 21=344/0-3-8, 9=1459/0-3-8
Max Horz 14=287(LC 5)
Max Uplift 14=-625(LC 8), 21=-531(LC 23), 9=-183(LC 8)
Max Grav 14=4648(LC 1), 21=1129(LC 16), 9=1459(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-2277/323, 2-3=-2058/349, 3-4=-1781/324, 5-6=-1753/343, 6-7=-1901/479, 7-8=-1950/445, 8-9=-2194/401, 4-5=-1389/312, 10-11=0/17, 11-12=-195/1326, 12-13=-248/1632, 1-13=-242/1619
BOT CHORD	11-57=-1187/228, 57-58=-1187/228, 14-58=-1187/228, 14-59=-497/529, 59-60=-497/529, 15-60=-497/529, 15-61=-497/529, 16-61=-497/529, 16-62=-406/1809, 17-62=-406/1809, 17-18=-271/1389, 18-19=-271/1389, 19-20=-389/1592, 20-21=-389/1592, 9-21=-306/1785
WEBS	1-14=-2844/420, 1-16=-204/2353, 3-16=-326/530, 6-21=-644/533, 8-21=-355/163, 4-17=-91/567, 5-19=-110/523, 6-19=-330/225, 3-17=-670/283, 12-14=-615/165

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) WARNING: Required bearing size at joint(s) 14 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 625 lb uplift at joint 14, 531 lb uplift at joint 21 and 183 lb uplift at joint 9.

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Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	A4-STR	GABLE	1	1	Job Reference (optional)

NOTES-

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.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 49 lb up at 4-0-12, 297 lb down and 57 lb up at 6-0-12, 297 lb down and 68 lb up at 8-0-12, 297 lb down and 68 lb up at 10-0-12, 297 lb down and 68 lb up at 12-0-12, 297 lb down and 68 lb up at 14-0-12, and 297 lb down and 68 lb up at 16-0-12, and 297 lb down and 68 lb up at 18-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 5-9=-60, 11-54=-20, 4-5=-60, 10-13=-60, 1-13=-60
   Concentrated Loads (lb)
      Vert: 15=-297(F) 14=-297(F) 57=-411(F) 58=-297(F) 59=-297(F) 60=-297(F) 61=-297(F) 62=-297(F)

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	B1	COMMON	5	1	Job Reference (optional)

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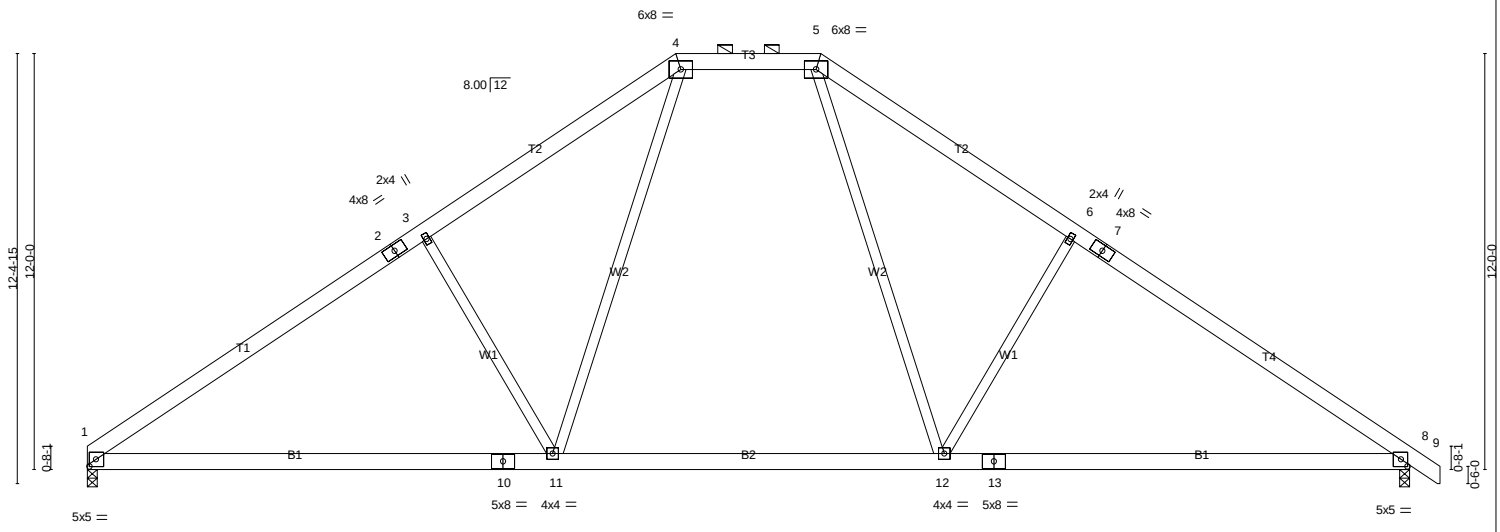
ID:WfD3s?l6Jt?bYANr0?RqxFypd71-cjvdLQRXCOzgy2h3bYlbSnCVMrotIUR27qphJFyofDo

9-9-9	16-11-14	19-1-0	21-2-2	28-4-7	38-2-0	39-0-8
9-9-9	7-2-6	2-1-2	2-1-2	7-2-6	9-9-9	0-10-8

Scale = 1:66.5



9-9-9	13-7-0	19-1-0	24-7-0	28-4-7	38-2-0
9-9-9	3-9-7	5-6-0	5-6-0	3-9-7	9-9-9

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.29	11-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.49	11-16	>938	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.14	11-16	>999	240	Weight: 254 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=1526/0-3-8, 8=1577/0-3-8
Max Horz 1=-282(LC 8)
Max Uplift 1=-73(LC 12), 8=-85(LC 13)
Max Grav 1=1829(LC 19), 8=1877(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-20=-2573/465, 2-20=-2491/495, 2-3=-2344/500, 3-21=-2382/525, 4-21=-2240/570, 5-22=-2239/563, 6-22=-2381/518, 6-7=-2343/494, 7-23=-2502/489, 8-23=-2572/453, 8-9=0/28, 4-5=-1540/489
BOT CHORD 1-24=-235/2267, 24-25=-235/2267, 10-25=-235/2267, 10-11=-235/2267, 11-26=-33/1620, 26-27=-33/1620, 12-27=-33/1620, 12-13=-242/2059, 13-28=-242/2059, 28-29=-242/2059, 8-29=-242/2059
WEBS 6-12=-606/331, 3-11=-606/332, 4-11=-151/1178, 5-12=-149/1175

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 17-0-12, Exterior(2) 17-0-12 to 25-6-1, Interior(1) 25-6-1 to 39-0-1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 73 lb uplift at joint 1 and 85 lb uplift at joint 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.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	B1	COMMON	5	1	Job Reference (optional)

NOTES-

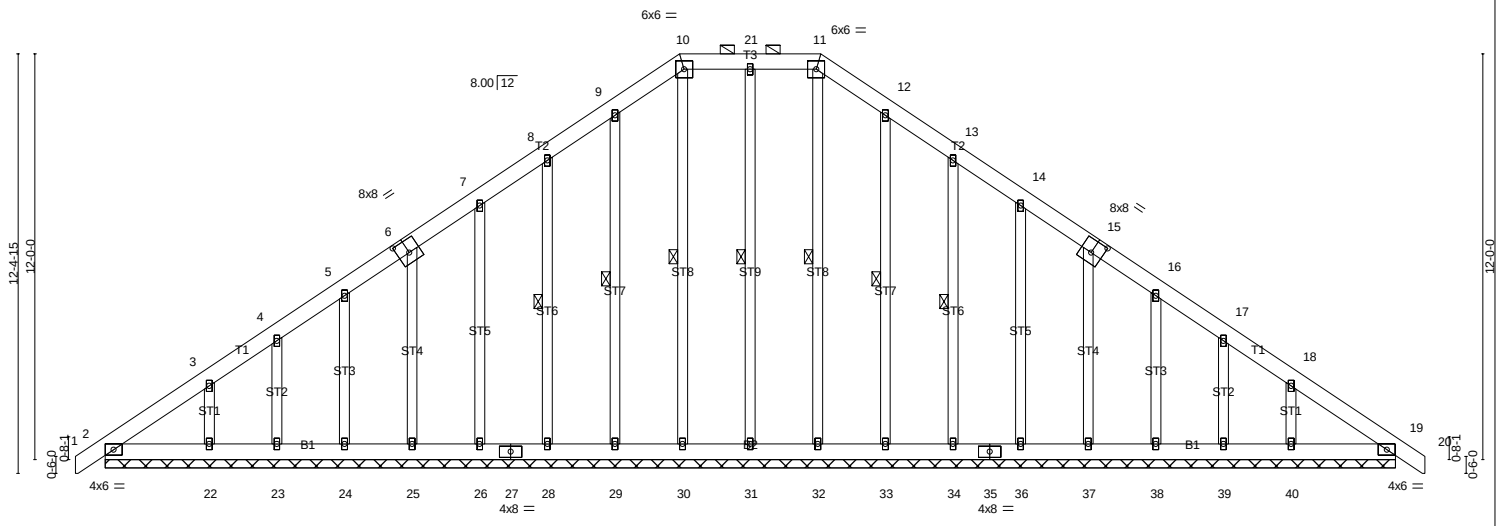
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	B1GE	GABLE	1	1	Job Reference (optional)

-0-10-8 | 16-11-14 | 19-1-0 | 21-2-2 | 38-2-0 | 39-0-8
0-10-8 | 16-11-14 | 2-1-2 | 2-1-2 | 16-11-14 | 0-10-8

Scale = 1:68.2



13-7-0 | 24-7-0 | 38-2-0
13-7-0 | 11-0-0 | 13-7-0

Plate Offsets (X,Y)-- [6:0-4-0,0-4-8], [15:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	0.00	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 371 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 10-11.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 21-31, 10-30, 9-29, 8-28, 11-32, 12-33, 13-34

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

REACTIONS. (lb/size) 2=182/38-2-0, 19=182/38-2-0, 31=164/38-2-0, 30=140/38-2-0, 29=161/38-2-0, 28=160/38-2-0, 26=168/38-2-0, 25=158/38-2-0, 24=155/38-2-0, 23=136/38-2-0, 22=236/38-2-0, 32=140/38-2-0, 33=161/38-2-0, 34=160/38-2-0, 36=168/38-2-0, 37=158/38-2-0, 38=155/38-2-0, 39=136/38-2-0, 40=236/38-2-0
Max Horz 2=-358(LC 10)
Max Uplift 2=-97(LC 8), 19=-14(LC 9), 31=-42(LC 9), 30=-19(LC 9), 29=-67(LC 12), 28=-95(LC 12), 26=-93(LC 12), 25=-88(LC 12), 24=-78(LC 12), 23=-76(LC 12), 22=-146(LC 12), 33=-60(LC 13), 34=-97(LC 13), 36=-94(LC 13), 37=-88(LC 13), 38=-78(LC 13), 39=-76(LC 13), 40=-141(LC 13)
Max Grav 2=237(LC 20), 19=182(LC 1), 31=164(LC 1), 30=180(LC 22), 29=180(LC 19), 28=178(LC 19), 26=185(LC 19), 25=175(LC 19), 24=170(LC 19), 23=150(LC 19), 22=272(LC 19), 32=159(LC 22), 33=172(LC 20), 34=180(LC 20), 36=185(LC 20), 37=175(LC 20), 38=170(LC 20), 39=150(LC 20), 40=267(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-332/289, 3-4=-239/232, 4-5=-210/212, 5-6=-192/207, 6-7=-170/221, 7-8=-195/266, 8-9=-259/312, 9-10=-305/354, 11-12=-305/354, 12-13=-259/298, 13-14=-196/223, 14-15=-134/149, 15-16=-77/83, 16-17=-93/74, 17-18=-126/91, 18-19=-234/161, 19-20=0/21, 10-21=-275/327, 11-21=-275/327
BOT CHORD 2-22=-155/251, 22-23=-155/251, 23-24=-155/251, 24-25=-155/251, 25-26=-161/252, 26-27=-161/252, 27-28=-161/252, 28-29=-161/252, 29-30=-161/252, 30-31=-161/252, 31-32=-161/252, 32-33=-161/252, 33-34=-161/252, 34-35=-161/252, 35-36=-161/252, 36-37=-161/252, 37-38=-155/248, 38-39=-155/248, 39-40=-155/248, 19-40=-155/248
WEBS 21-31=-124/66, 10-30=-140/50, 9-29=-140/91, 8-28=-155/119, 7-26=-155/117, 6-25=-146/112, 5-24=-136/102, 4-23=-130/101, 3-22=-223/169, 11-32=-119/39, 12-33=-132/84, 13-34=-155/121, 14-36=-155/117, 15-37=-146/112, 16-38=-136/102, 17-39=-130/101, 18-40=-223/165

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	B1GE	GABLE	1	1	Job Reference (optional)

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2, 14 lb uplift at joint 19, 42 lb uplift at joint 31, 19 lb uplift at joint 30, 67 lb uplift at joint 29, 95 lb uplift at joint 28, 93 lb uplift at joint 26, 88 lb uplift at joint 25, 78 lb uplift at joint 24, 76 lb uplift at joint 23, 146 lb uplift at joint 22, 60 lb uplift at joint 33, 97 lb uplift at joint 34, 94 lb uplift at joint 36, 88 lb uplift at joint 37, 78 lb uplift at joint 38, 76 lb uplift at joint 39 and 141 lb uplift at joint 40.
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	Peyton & Amberly Home
250306-A	C1	COMMON	1	1	Job Reference (optional)

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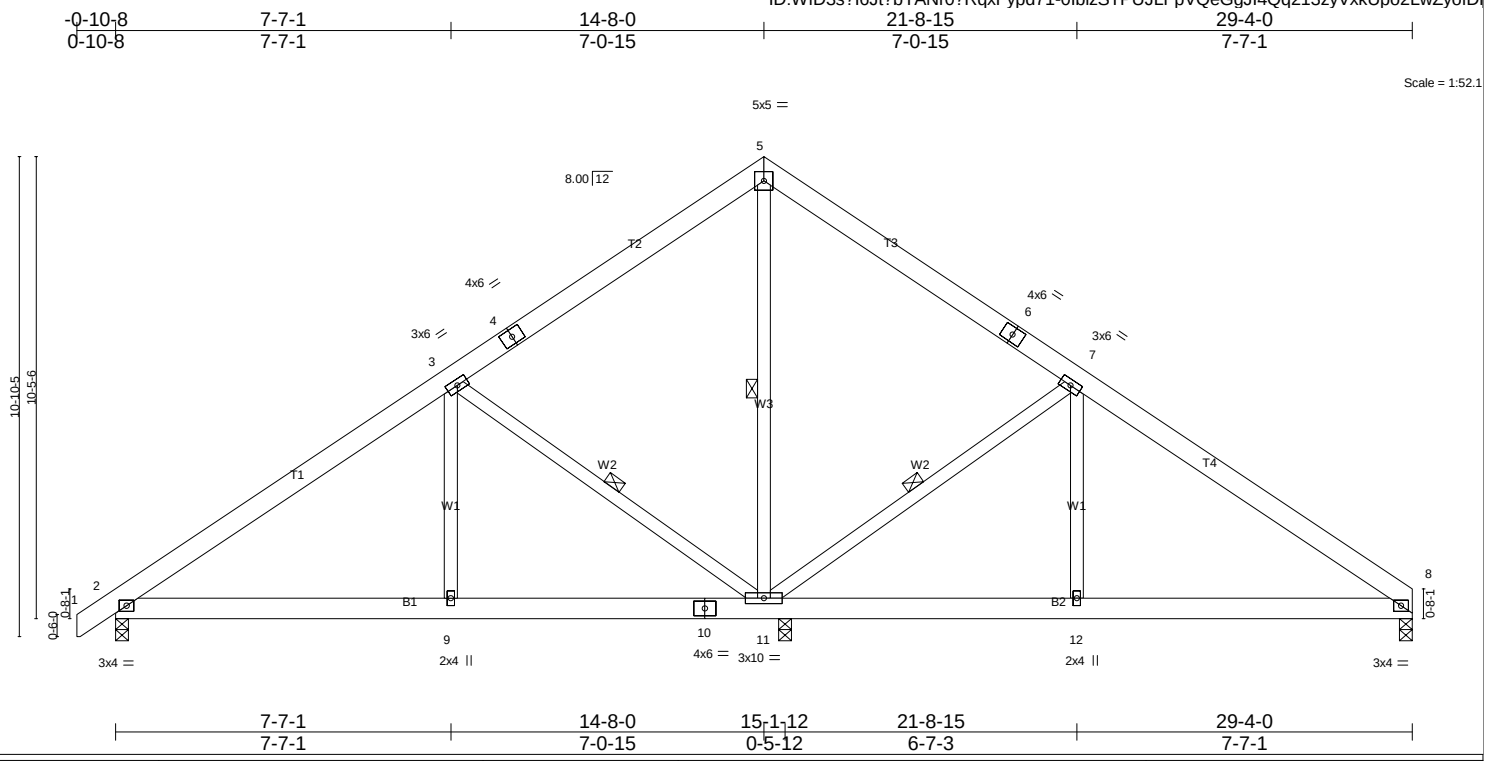
ID:WfD3s?I6Jt?bYANr0?RqxFypd71-0IblzSTPUJLFpVQeGgJI4Qq213zyVxkUpo2LwZyofDl



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.02	12-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.04	12-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	12-18	>999	240	Weight: 208 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-11, 7-11, 3-11

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

REACTIONS. (lb/size) 2=565/0-3-8, 11=1318/0-3-8, 8=513/0-3-8
Max Horz 2=243(LC 9)
Max Uplift 2=-42(LC 12), 11=-62(LC 12), 8=-51(LC 13)
Max Grav 2=579(LC 23), 11=1318(LC 1), 8=527(LC 24)

FORCES. (lb) - Maximum Compression/Maximum Tension

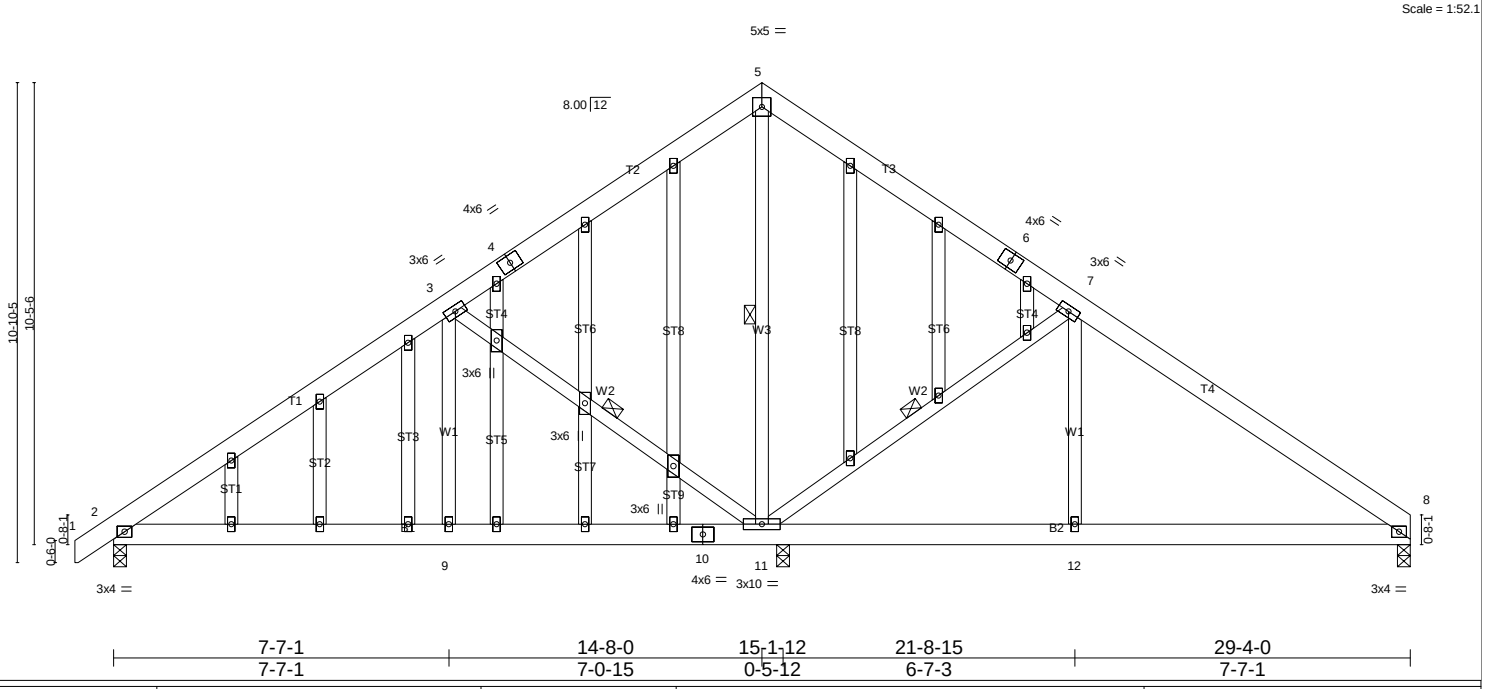
TOP CHORD	1-2=0/28, 2-19=-562/113, 3-19=-484/140, 3-4=-67/103, 4-20=-31/117, 5-20=-6/221, 5-21=-6/205, 6-21=-20/118, 6-7=-53/104, 7-22=-434/146, 8-22=-566/119
BOT CHORD	2-9=-120/490, 9-10=-120/490, 10-11=-120/490, 11-12=0/412, 8-12=0/412
WEBS	5-11=-490/53, 7-11=-692/240, 7-12=0/312, 3-11=-693/239, 3-9=0/311

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-1 to 3-6-12, Interior(1) 3-6-12 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 29-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 42 lb uplift at joint 2, 62 lb uplift at joint 11 and 51 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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	C1-STR	GABLE	1	1	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.02	12-39	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.04	12-39	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	9-36	>999	240	Weight: 269 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-11, 7-11, 3-11

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

REACTIONS. (lb/size) 2=565/0-3-8, 11=1318/0-3-8, 8=513/0-3-8
Max Horz 2=304(LC 9)
Max Uplift 2=-127(LC 12), 11=-247(LC 12), 8=-137(LC 13)
Max Grav 2=579(LC 23), 11=1318(LC 1), 8=527(LC 24)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-40=-562/113, 3-40=-484/140, 3-4=-78/138, 4-41=-30/151, 5-41=-14/251, 5-42=-6/218, 6-42=-20/118, 6-7=-53/104, 7-43=-443/172, 8-43=-566/145
BOT CHORD 2-9=-172/526, 9-10=-172/526, 10-11=-172/526, 11-12=-10/412, 8-12=-10/412
WEBS 5-11=-490/73, 7-11=-692/342, 7-12=0/312, 3-11=-693/341, 3-9=0/311

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 2, 247 lb uplift at joint 11 and 137 lb uplift at joint 8.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	C2	COMMON	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:48 2025 Page 1
ID:WfD3s?I6Jt?bYANr0?RqxFypd71-zgjWO8Uf0xbz3pa1O5Lm9rwO5seezpcnH6XS_SyofDj

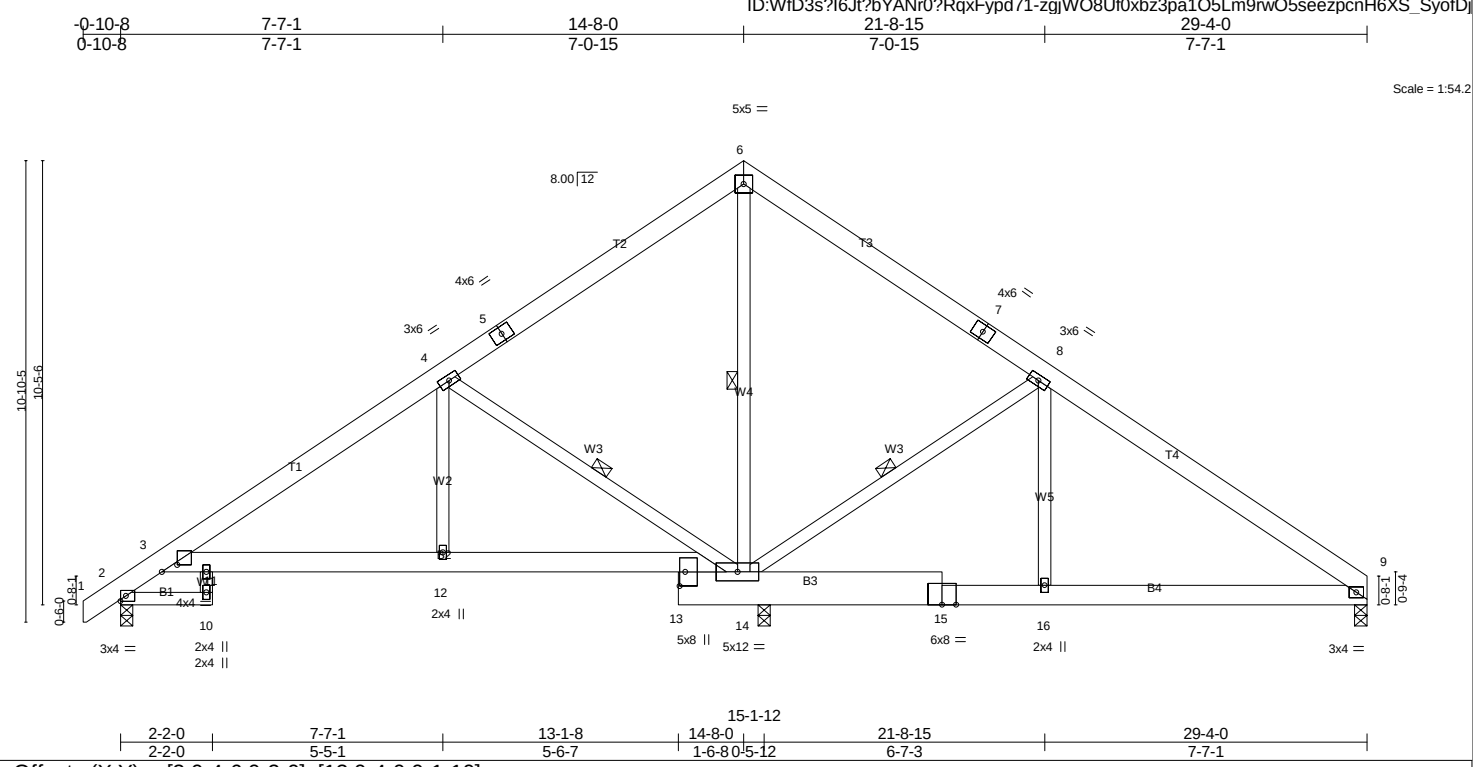


Plate Offsets (X,Y)-- [3:0-4-6,0-2-0], [13:0-4-0,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.03	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.07	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	11-12	>999	240	Weight: 220 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B1: 2x4 SP No.1, B3: 2x10 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-14, 8-14, 4-14

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

REACTIONS. (lb/size) 2=398/0-3-8, 14=1652/0-3-8, 9=347/0-3-8
Max Horz 2=243(LC 9)
Max Uplift 2=-35(LC 13), 14=-144(LC 12), 9=-86(LC 8)
Max Grav 2=406(LC 23), 14=1652(LC 1), 9=448(LC 24)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-320/192, 3-26=-287/78, 4-26=-251/114, 4-5=-104/395, 5-27=-86/449, 6-27=-75/571, 6-28=-21/531, 7-28=-34/375, 7-8=-51/355, 8-29=-236/201, 9-29=-425/175
BOT CHORD 2-10=0/0, 3-11=-78/238, 11-12=-78/238, 12-13=-78/238, 13-14=-92/205, 14-15=-87/298, 15-16=-90/296, 9-16=-90/296
WEBS 6-14=-838/132, 8-14=-696/253, 8-16=0/289, 4-14=-697/234, 4-12=0/299, 10-11=-7/55

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-1 to 3-6-12, Interior(1) 3-6-12 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 29-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 35 lb uplift at joint 2, 144 lb uplift at joint 14 and 86 lb uplift at joint 9.
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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	C3	COMMON	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:49 2025 Page 1

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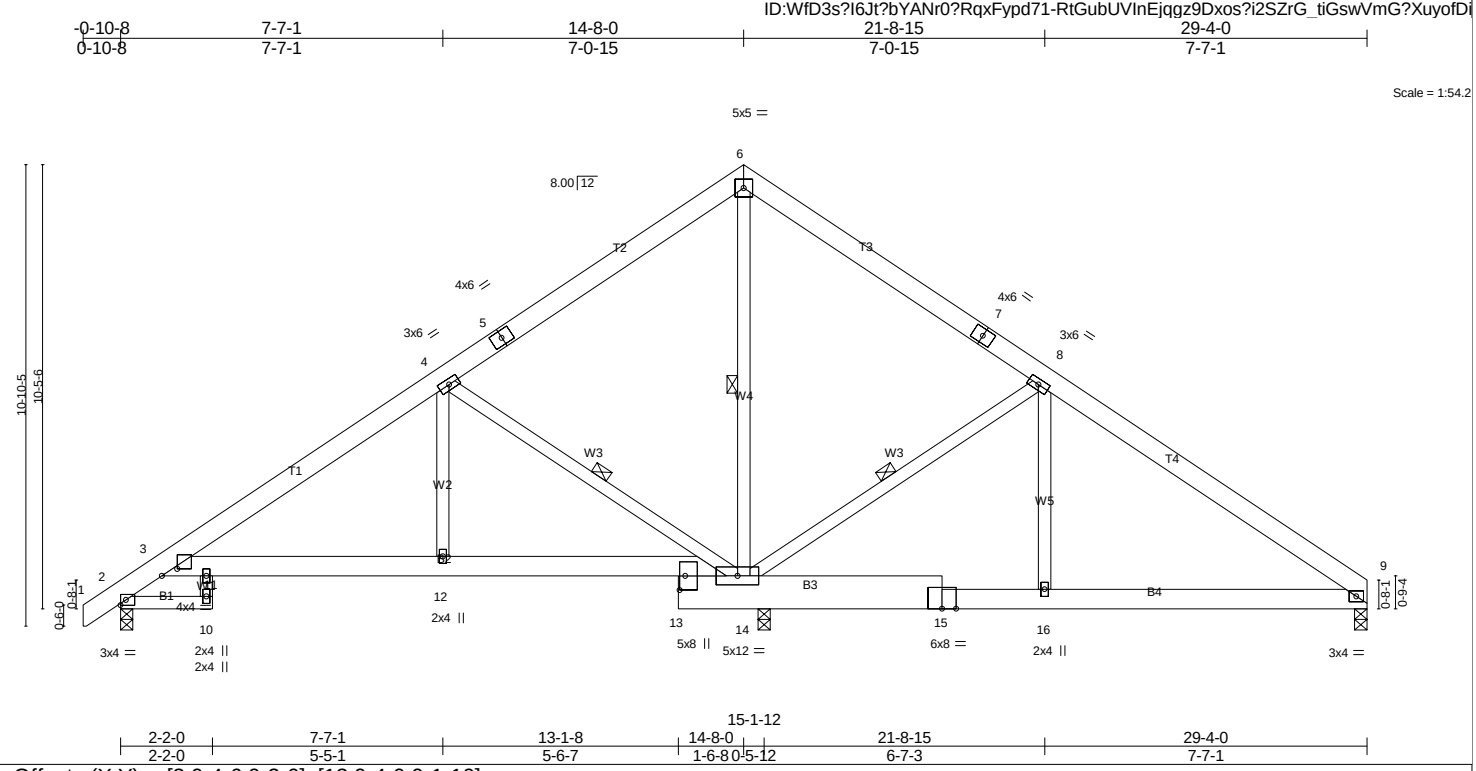


Plate Offsets (X,Y)-- [3:0-4-6,0-2-0], [13:0-4-0,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.03	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.07	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	11-12	>999	240	Weight: 220 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B1: 2x4 SP No.1, B3: 2x10 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-14, 8-14, 4-14

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

REACTIONS. (lb/size) 2=398/0-3-8, 14=1652/0-3-8, 9=347/0-3-8
Max Horz 2=243(LC 9)
Max Uplift 2=-35(LC 13), 14=-144(LC 12), 9=-86(LC 8)
Max Grav 2=406(LC 23), 14=1652(LC 1), 9=448(LC 24)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-320/192, 3-26=-287/78, 4-26=-251/114, 4-5=-104/395, 5-27=-86/449, 6-27=-75/571, 6-28=-21/531, 7-28=-34/375, 7-8=-51/355, 8-29=-236/201, 9-29=-425/175
BOT CHORD 2-10=0/0, 3-11=-78/238, 11-12=-78/238, 12-13=-78/238, 13-14=-92/205, 14-15=-87/298, 15-16=-90/296, 9-16=-90/296
WEBS 6-14=-838/132, 8-14=-696/253, 8-16=0/289, 4-14=-697/234, 4-12=0/299, 10-11=-7/55

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-1 to 3-6-12, Interior(1) 3-6-12 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 29-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 35 lb uplift at joint 2, 144 lb uplift at joint 14 and 86 lb uplift at joint 9.
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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	C4	Common	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:50 2025 Page 1

ID:WfD3s?l6Jt?bYANr0?RqxFypd71-v3qGppWwYYsgI6kPVWNEFG?klgJdRkU4kQ0Y3LyofDh

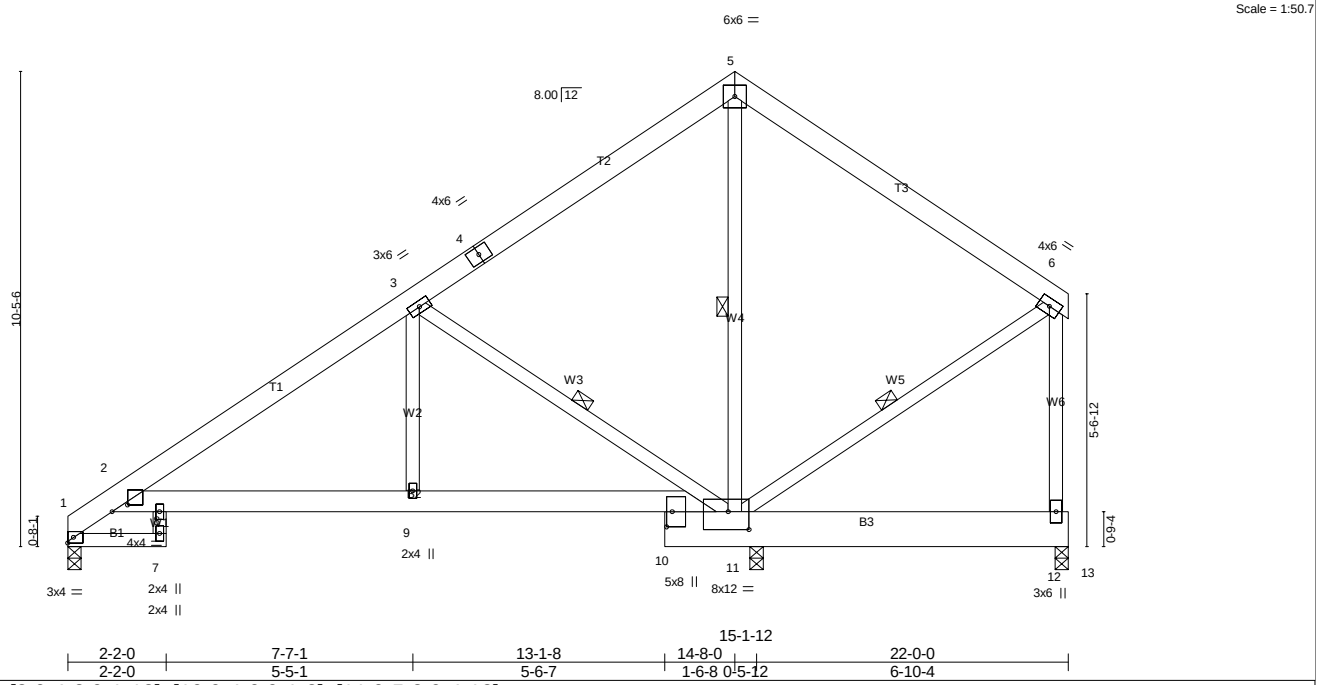


Plate Offsets (X,Y)-- [2:0-4-2,0-1-12], [10:0-4-0,0-1-8], [11:0-5-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.04	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.08	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	8-9	>999	240	Weight: 184 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B1: 2x4 SP No.1, B3: 2x10 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-11, 5-11, 6-11

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

REACTIONS. (lb/size) 1=392/0-3-8, 11=1468/0-3-8, 12=-117/0-3-8
Max Horz 1=229(LC 9)
Max Uplift 11=-258(LC 12), 12=-271(LC 23)
Max Grav 1=392(LC 1), 11=1518(LC 19), 12=122(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-290/73, 2-20=-349/9, 3-20=-290/44, 3-4=-118/295, 4-21=-100/349, 5-21=-89/471, 5-22=-66/446, 22-23=-73/334, 6-23=-91/324, 6-12=-84/313
BOT CHORD 1-7=0/0, 2-8=-80/288, 8-9=-80/288, 9-10=-80/288, 10-11=-95/251, 11-12=-11/17, 12-13=0/0
WEBS 3-9=0/302, 3-11=-719/254, 5-11=-762/268, 6-11=-437/192, 7-8=-14/62

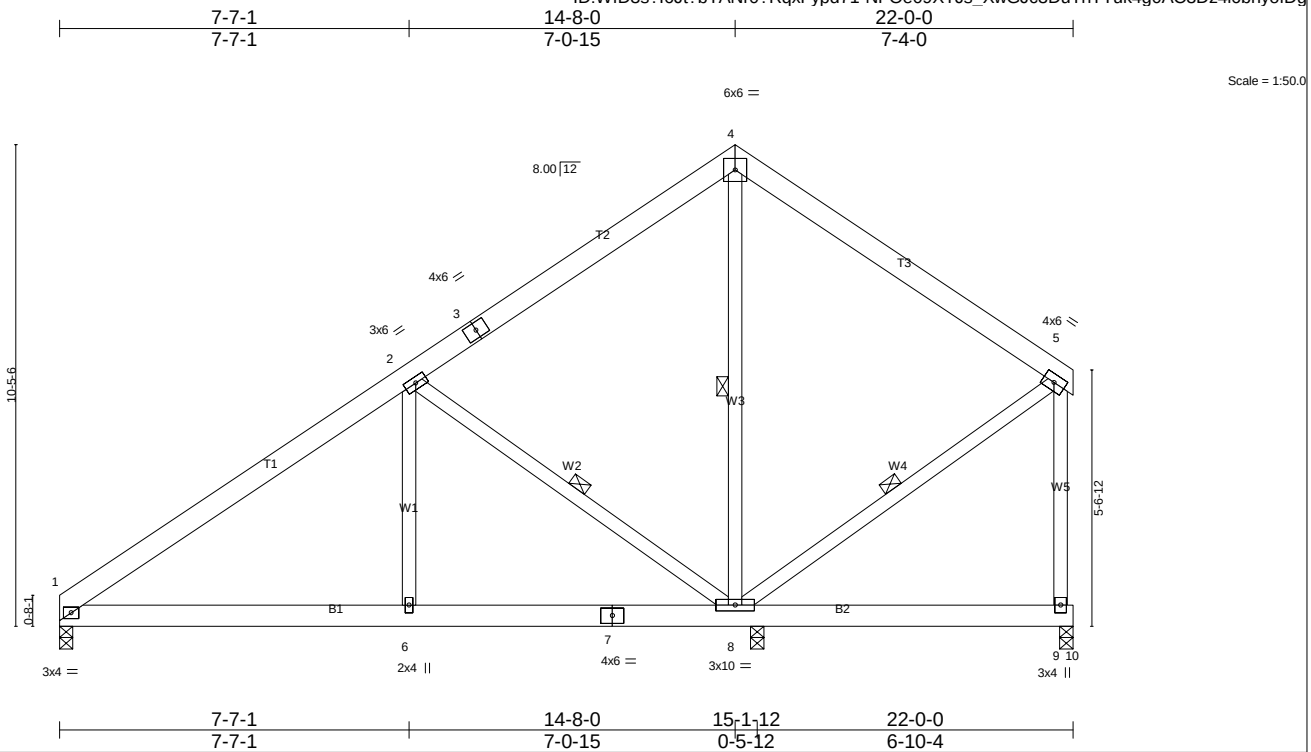
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 21-8-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 258 lb uplift at joint 11 and 271 lb uplift at joint 12.
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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	C5	Common	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:51 2025 Page 1

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-NFOe09XYJs_XwGJc3DuTnTYuk4g0AC3Dz4l6bnyofDg



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.02	6-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.04	6-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	6-13	>999	240	Weight: 168 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-8, 4-8, 5-8

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

REACTIONS. (lb/size) 1=564/0-3-8, 9=242/0-3-8, 8=937/0-3-8
Max Horz 1=229(LC 9)
Max Uplift 1=-11(LC 12), 9=-27(LC 13), 8=-86(LC 12)
Max Grav 1=564(LC 1), 9=270(LC 24), 8=937(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-626/90, 2-14=-520/116, 2-3=-151/74, 3-15=-76/87, 4-15=-52/141, 4-16=-21/132, 16-17=-34/68, 5-17=-101/65, 5-9=-203/105
BOT CHORD 1-6=-156/518, 6-7=-156/518, 7-8=-156/518, 8-9=-8/20, 9-10=0/0
WEBS 2-6=0/303, 2-8=-676/236, 4-8=-434/136, 5-8=-86/53

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 21-8-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 11 lb uplift at joint 1, 27 lb uplift at joint 9 and 86 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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	C6	COMMON	2	1	Job Reference (optional)

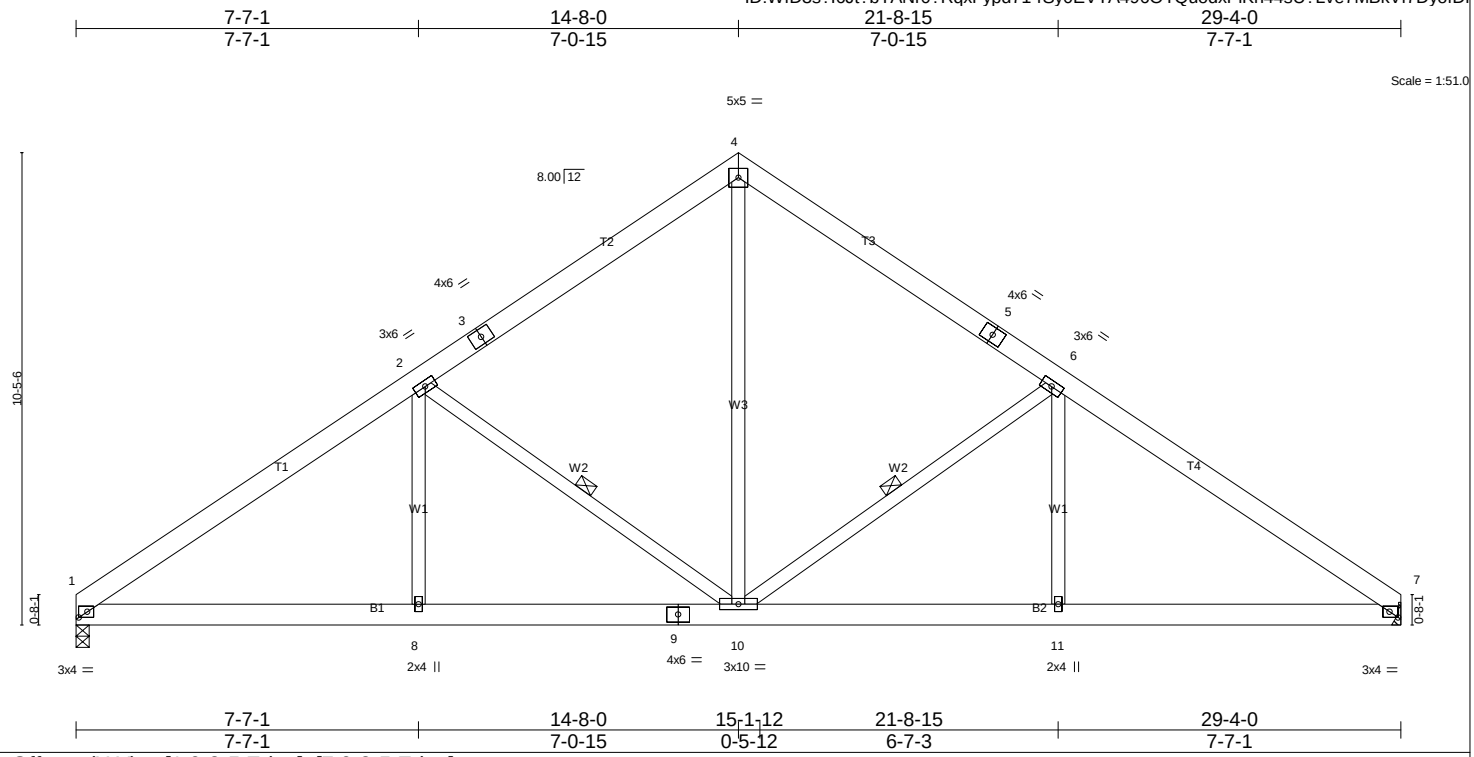


Plate Offsets (X,Y)-- [1:0-2-5,Edge], [7:0-2-5,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.03	10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.08	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	8-14	>999	240	Weight: 205 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-10, 2-10

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

REACTIONS. (lb/size) 1=1173/0-3-8, 7=1173/Mechanical
Max Horz 1=234(LC 9)
Max Uplift1=-62(LC 12), 7=-62(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=-1704/330, 2-18=-1575/356, 2-3=-1196/319, 3-19=-1166/332, 4-19=-1154/362, 4-20=-1154/362, 5-20=-1166/332, 5-6=-1196/319, 6-21=-1575/356, 7-21=-1704/330
BOT CHORD 1-8=-169/1364, 8-9=-169/1364, 9-10=-169/1364, 10-11=-169/1330, 7-11=-169/1330
WEBS 4-10=-184/905, 6-10=-649/232, 6-11=0/297, 2-10=-649/232, 2-8=0/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 29-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 1 and 62 lb uplift at joint 7.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	D1	ATTIC	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:53 2025 Page 1
ID:WfD3s?l6Jt?bYANr0?RqxFypd71-JeWPRrYorTEF9aS_AexxsudAstI5e_3WQOEDgfyofDe

-0-11-0	3-11-12	7-4-12	9-1-7	12-2-8	15-3-9	17-0-4	20-5-4	24-5-0	25-4-0
0-11-0	3-11-12	3-5-0	1-8-11	3-1-1	3-1-1	1-8-11	3-5-0	3-11-12	0-11-0

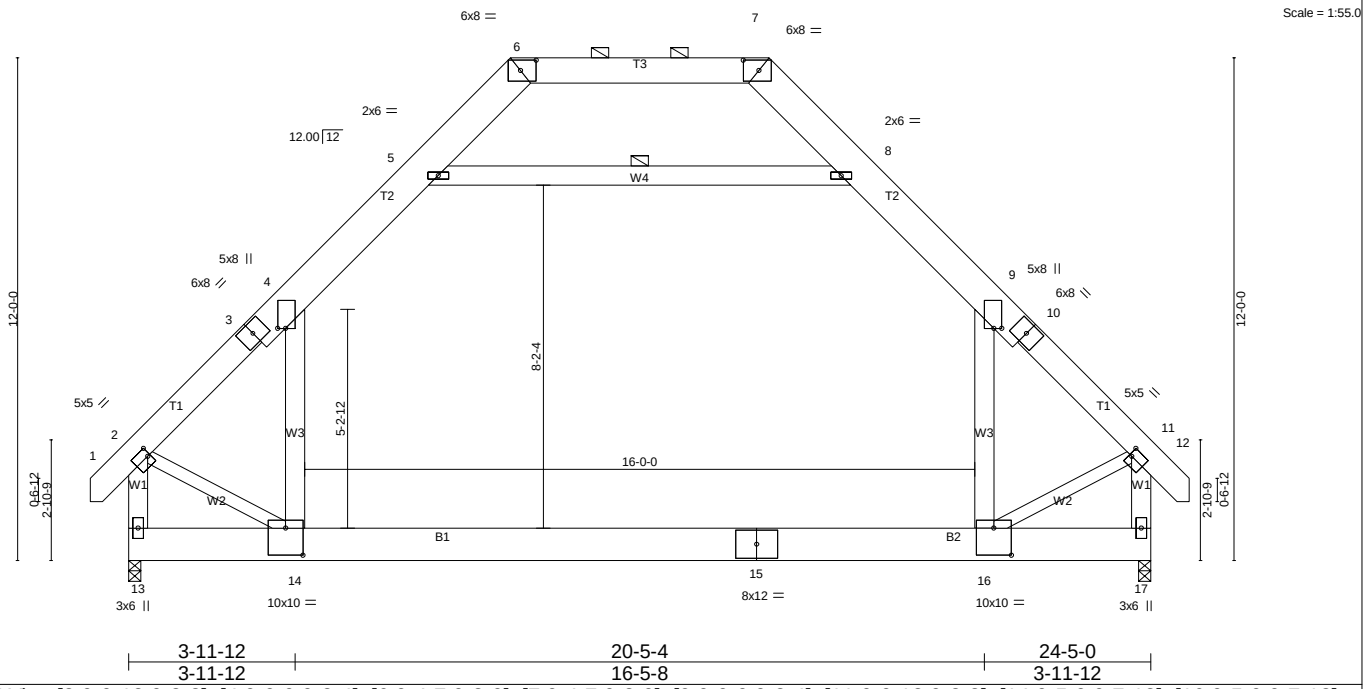


Plate Offsets (X,Y)-- [2:0-0-12,0-2-8], [4:0-0-0,0-2-4], [6:0-4-7,0-3-0], [7:0-4-7,0-3-0], [9:0-0-0,0-2-4], [11:0-0-12,0-2-8], [14:0-5-0,0-7-12], [16:0-5-0,0-7-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.29	14-16	>997	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.44	14-16	>650	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	14-16	>999	240	Weight: 287 lb	FT = 25%

LUMBER-
TOP CHORD 2x8 SP No.1 *Except* T2: 2x10 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except* W2: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-8

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

REACTIONS. (lb/size) 13=1407/0-3-8, 17=1407/0-3-8
Max Horz 13=-401(LC 10)
Max Grav 13=1771(LC 2), 17=1771(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-1907/0, 3-4=-1776/0, 4-5=-1210/207, 5-6=-312/277, 7-8=-312/278, 8-9=-1210/207, 9-10=-1775/0, 10-11=-1906/0, 11-12=0/42, 2-13=-2247/0, 11-17=-2248/0, 6-7=-122/372
BOT CHORD 13-14=-368/431, 14-15=0/1223, 15-16=0/1223, 16-17=-44/118
WEBS 5-8=-1442/65, 4-14=0/1050, 9-16=0/1050, 2-14=0/1337, 11-16=0/1339

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-9-4 to 3-7-9, Exterior(2) 3-7-9 to 9-4-6, Corner(3) 9-4-6 to 13-9-2, Exterior(2) 13-9-2 to 15-0-10, Corner(3) 15-0-10 to 19-5-7, Exterior(2) 19-5-7 to 25-2-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-14, 9-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
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.

Continued on page 2

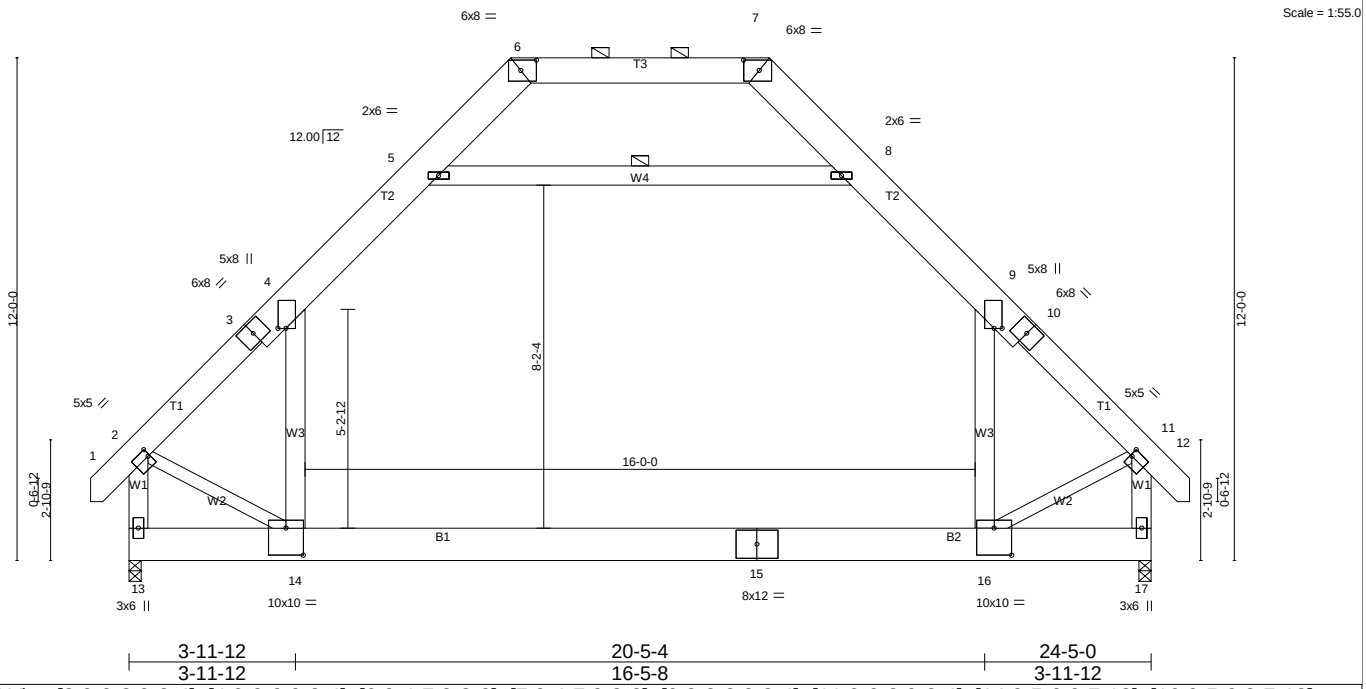
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	D2	ATTIC	8	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:56:54 2025 Page 1

ID:WfD3s?l6Jt?bYANr0?RqxFypd71-nq4nfBZQcnM6nk1AkMSAP69LpHePNROff2_mC6yofDd

-0-11-0	3-11-12	7-4-12	9-1-7	12-2-8	15-3-9	17-0-4	20-5-4	24-5-0	25-4-0
0-11-0	3-11-12	3-5-0	1-8-11	3-1-1	3-1-1	1-8-11	3-5-0	3-11-12	0-11-0



3-11-12	20-5-4	24-5-0
3-11-12	16-5-8	3-11-12

Plate Offsets (X,Y)-- [2:0-0-8,0-2-4], [4:0-0-0,0-2-4], [6:0-4-7,0-3-0], [7:0-4-7,0-3-0], [9:0-0-0,0-2-4], [11:0-0-8,0-2-4], [14:0-5-0,0-7-12], [16:0-5-0,0-7-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.29	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.44	14-16	>657	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.05	14-16	>999	240	Weight: 287 lb	FT = 25%

LUMBER-

TOP CHORD	2x8 SP No.1 *Except* T2: 2x10 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x6 SP No.1 *Except* W2: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-8

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

REACTIONS. (lb/size) 13=1407/0-3-8, 17=1407/0-3-8
Max Horz 13=-320(LC 10)
Max Grav 13=1771(LC 2), 17=1771(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/42, 2-3=-1924/0, 3-18=-1793/0, 4-18=-1780/0, 4-19=-1209/129, 5-19=-1077/174, 5-6=-321/236, 7-8=-321/237, 8-20=-1077/174, 9-20=-1209/129, 9-21=-1779/0, 10-21=-1792/0, 10-11=-1923/0, 11-12=0/42, 2-13=-2259/0, 11-17=-2260/0, 6-22=-135/363, 22-23=-135/363, 7-23=-135/363
BOT CHORD	13-14=-283/368, 14-15=0/1215, 15-16=0/1215, 16-17=-32/136
WEBS	5-8=-1432/5, 4-14=0/1061, 9-16=0/1061, 2-14=0/1311, 11-16=0/1314

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-4 to 3-7-9, Interior(1) 3-7-9 to 9-4-6, Exterior(2) 9-4-6 to 13-9-2, Interior(1) 13-9-2 to 15-0-10, Exterior(2) 15-0-10 to 19-5-7, Interior(1) 19-5-7 to 25-2-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-14, 9-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	D2	ATTIC	8	1	Job Reference (optional)

NOTES-

11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	D3	ATTIC	2	2	Job Reference (optional)

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-G0e9sXa2N4UzPucNI3zPyJiTzhxy6vZpuijJkYyofDc

-0-11-0	3-11-12	7-4-12	9-1-7	12-2-8	15-3-9	17-0-4	20-5-4	24-5-0	25-4-0
0-11-0	3-11-12	3-5-0	1-8-11	3-1-1	3-1-1	1-8-11	3-5-0	3-11-12	0-11-0

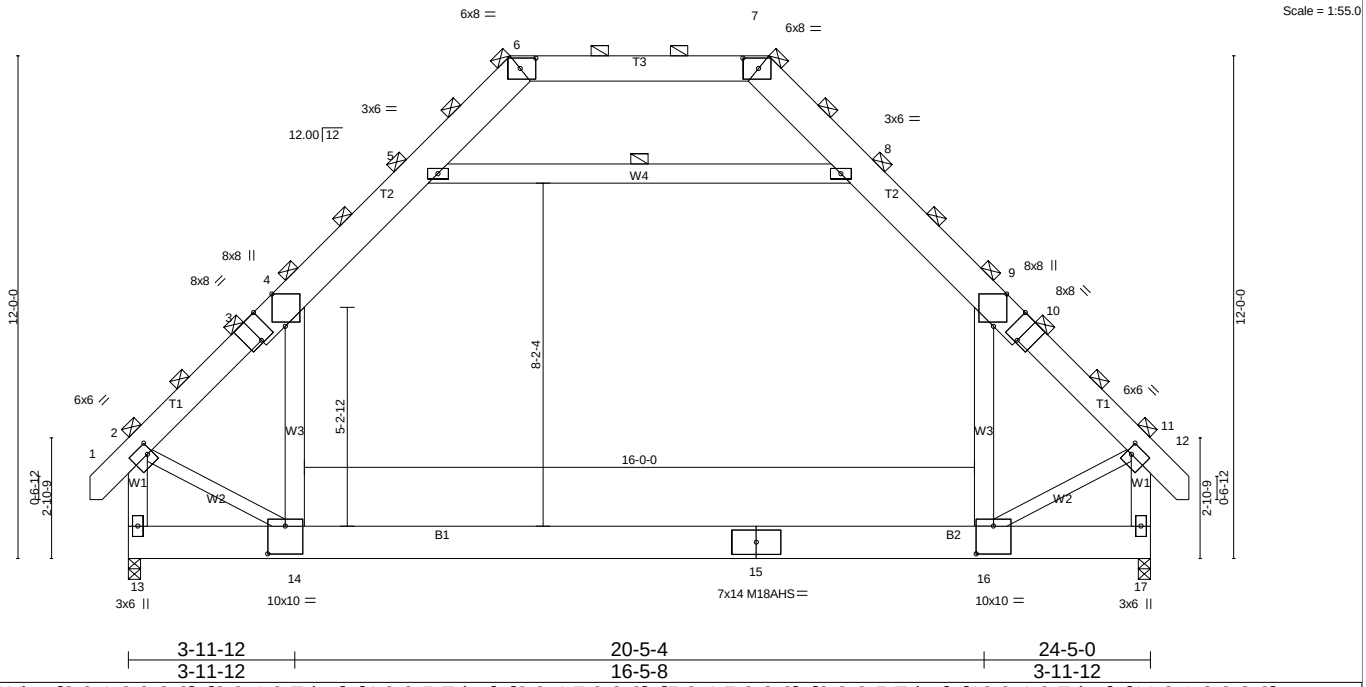


Plate Offsets (X,Y)-- [2:0-1-8,0-3-0], [3:0-4-0,Edge], [4:0-9-5,Edge], [6:0-4-7,0-3-0], [7:0-4-7,0-3-0], [9:0-9-5,Edge], [10:0-4-0,Edge], [11:0-1-8,0-3-0], [14:0-5-0,0-8-0], [16:0-5-0,0-8-0]

LOADING (psf)		SPACING-	5-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.36	14-16	>798	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.55	14-16	>520	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	14-16	>999	240	Weight: 574 lb	FT = 25%

LUMBER-

TOP CHORD	2x8 SP No.1 *Except* T2: 2x10 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x6 SP No.1 *Except* W2: 2x4 SP No.2

BRACING-

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-8

REACTIONS. (lb/size) 13=3518/0-3-8, 17=3518/0-3-8
Max Horz 13=-800(LC 10)
Max Grav 13=4428(LC 2), 17=4428(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/106, 2-3=-4802/0, 3-18=-4474/0, 4-18=-4442/0, 4-19=-3025/322, 5-19=-2695/435, 5-6=-779/580, 7-8=-779/580, 8-20=-2695/434, 9-20=-3025/321, 9-21=-4441/0, 10-21=-4473/0, 10-11=-4800/0, 11-12=0/106, 2-13=-5655/0, 11-17=-5656/0, 6-22=-305/929, 22-23=-305/929, 7-23=-305/929
BOT CHORD	13-14=-717/879, 14-15=0/3040, 15-16=0/3040, 16-17=-76/288
WEBS	5-8=-3605/28, 4-14=0/2625, 9-16=0/2625, 2-14=0/3321, 11-16=0/3325

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-4 to 3-7-9, Interior(1) 3-7-9 to 9-4-6, Exterior(2) 9-4-6 to 13-9-2, Interior(1) 13-9-2 to 15-0-10, Exterior(2) 15-0-10 to 19-5-7, Interior(1) 19-5-7 to 25-2-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	D3	ATTIC	2	2	Job Reference (optional)

NOTES-

8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (10.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-14, 9-16
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
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) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	E1	COMMON	1	1	Job Reference (optional)

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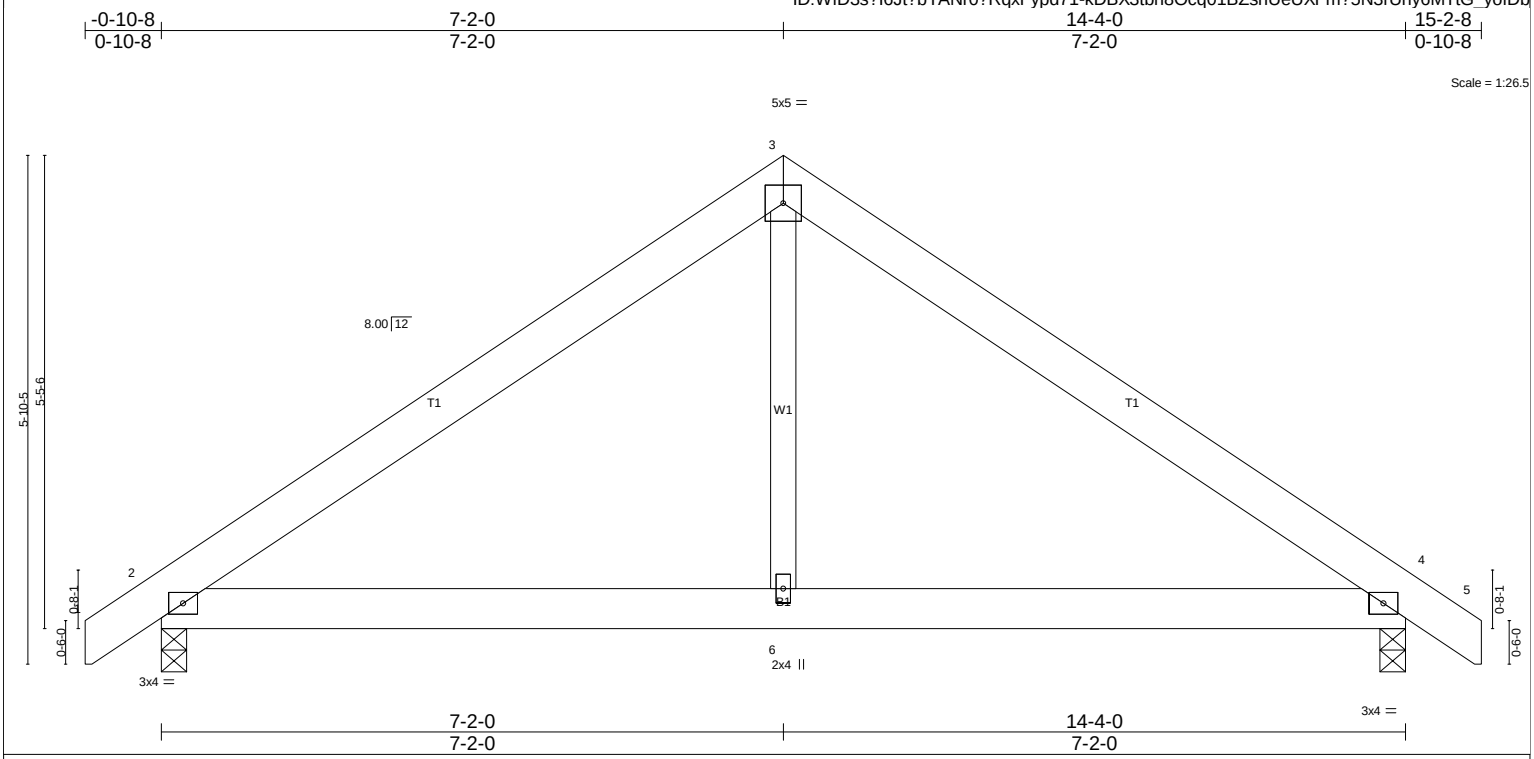
ID:WfD3s?I6Jt?bYANr0?RqxFypd71-kDBX3tbh8Ocq01BZsnUeUXFm?5N3rUny6MTtG_yofDb



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.02	6-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	6-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	6-9	>999	240	Weight: 87 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

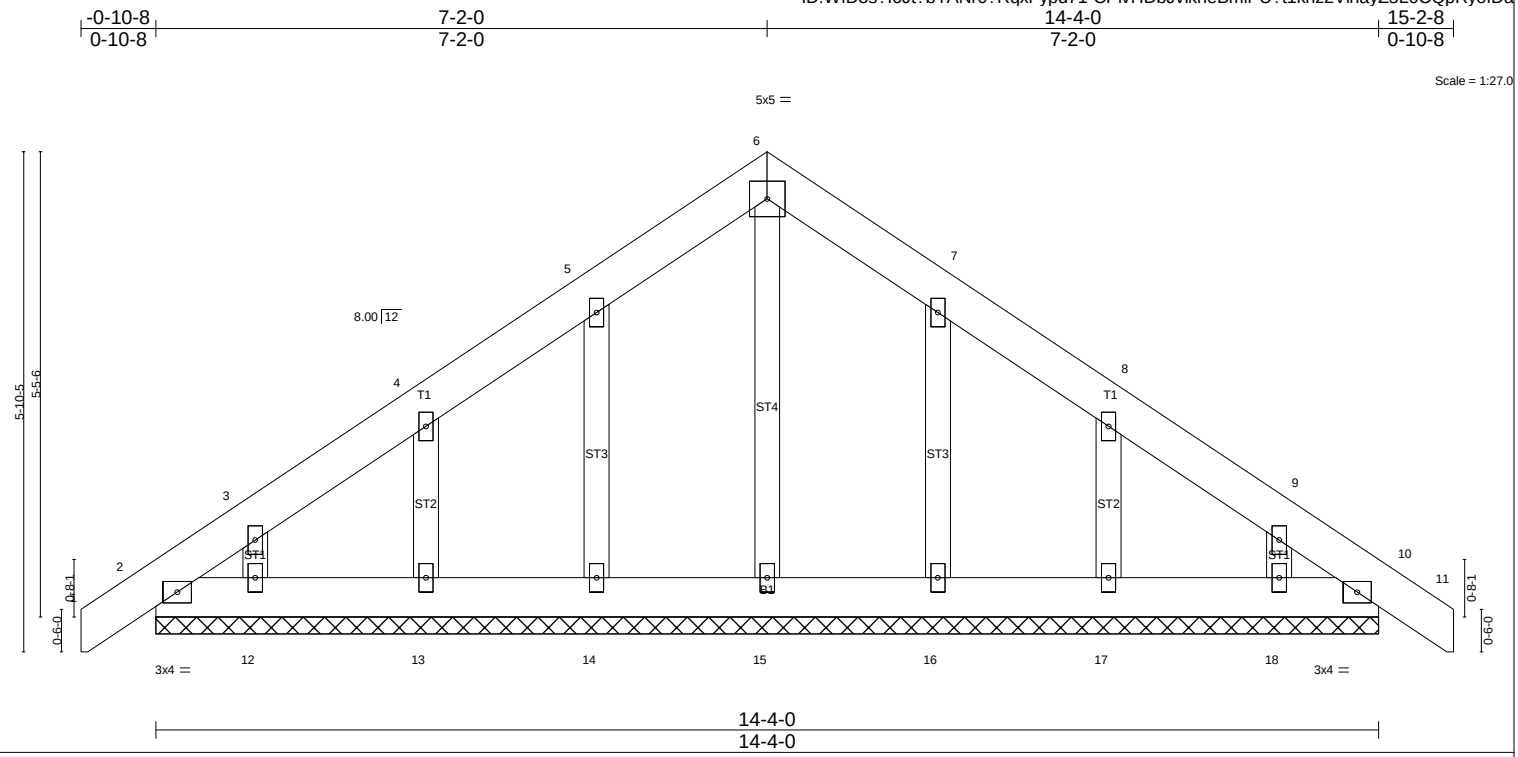
REACTIONS. (lb/size) 2=624/0-3-8, 4=624/0-3-8
Max Horz 2=128(LC 11)
Max Uplift2=-42(LC 12), 4=-42(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-13=-684/157, 13-14=-592/162, 3-14=-592/187, 3-15=-592/187, 15-16=-592/162, 4-16=-684/158, 4-5=0/28
BOT CHORD 2-6=-8/486, 4-6=-8/486
WEBS 3-6=0/323

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-1 to 3-6-12, Interior(1) 3-6-12 to 7-2-0, Exterior(2) 7-2-0 to 11-6-13, Interior(1) 11-6-13 to 15-2-1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 42 lb uplift at joint 2 and 42 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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	E1GE	GABLE	1	1	Job Reference (optional)



LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 103 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

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.

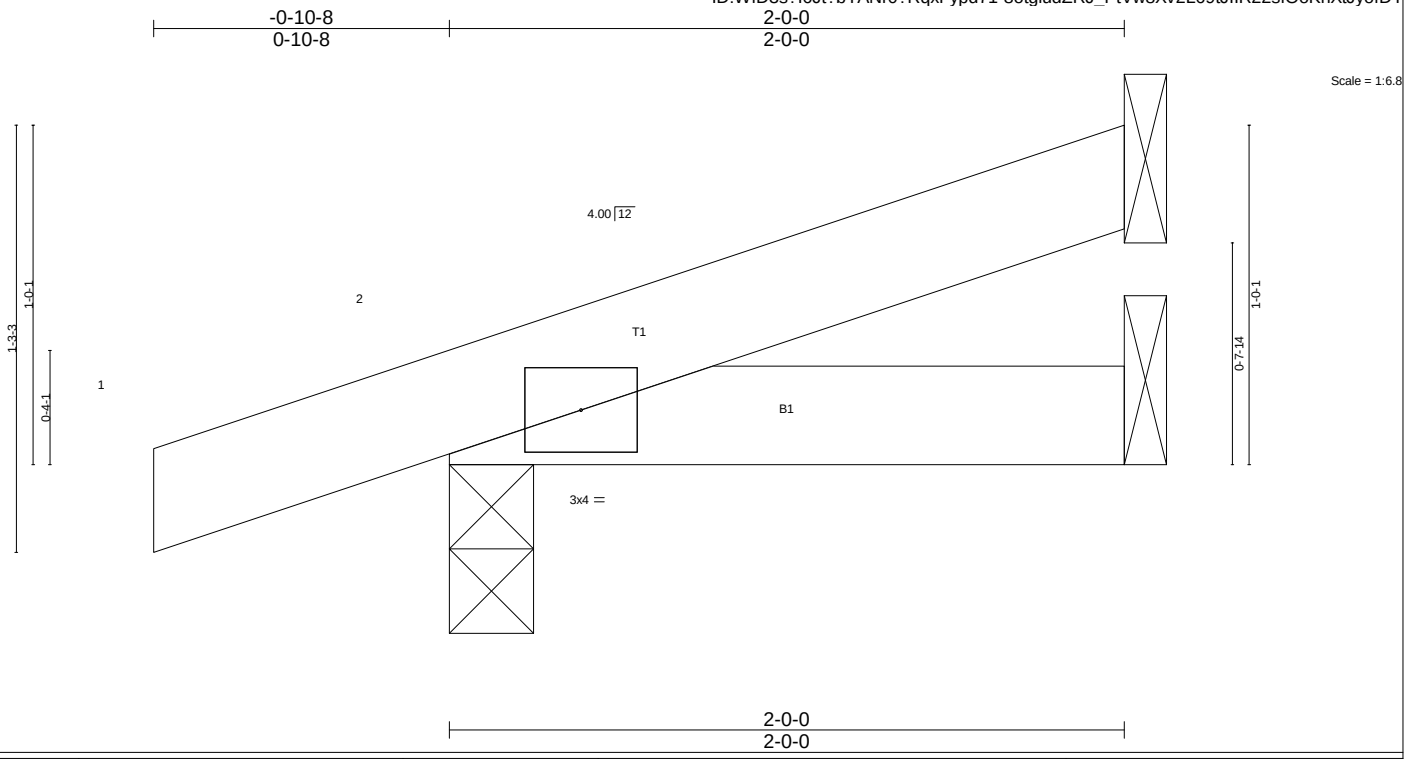
REACTIONS. (lb/size) 2=119/14-4-0, 10=119/14-4-0, 15=120/14-4-0, 14=162/14-4-0, 13=167/14-4-0, 12=115/14-4-0, 16=162/14-4-0, 17=167/14-4-0, 18=115/14-4-0
Max Horz 2=-160(LC 10)
Max Uplift 2=-46(LC 8), 10=-14(LC 9), 14=-81(LC 12), 13=-96(LC 12), 12=-80(LC 12), 16=-77(LC 13), 17=-97(LC 13), 18=-76(LC 13)
Max Grav 2=131(LC 20), 10=119(LC 1), 15=140(LC 22), 14=182(LC 19), 13=184(LC 19), 12=141(LC 19), 16=178(LC 20), 17=185(LC 20), 18=136(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-147/114, 3-4=-115/90, 4-5=-101/96, 5-6=-132/138, 6-7=-132/138, 7-8=-77/72, 8-9=-76/38, 9-10=-111/75, 10-11=0/21
BOT CHORD 2-12=-69/121, 12-13=-69/121, 13-14=-69/121, 14-15=-69/121, 15-16=-69/121, 16-17=-69/121, 17-18=-69/121, 10-18=-69/121
WEBS 6-15=-99/15, 5-14=-142/105, 4-13=-158/120, 3-12=-135/101, 7-16=-140/101, 8-17=-158/121, 9-18=-136/97

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 46 lb uplift at joint 2, 14 lb uplift at joint 10, 81 lb uplift at joint 14, 96 lb uplift at joint 13, 80 lb uplift at joint 12, 77 lb uplift at joint 16, 97 lb uplift at joint 17 and 76 lb uplift at joint 18.
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	Peyton & Amberly Home
250306-A	J02	Jack-Open	2	1	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.00	7	>999	240	Weight: 8 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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.

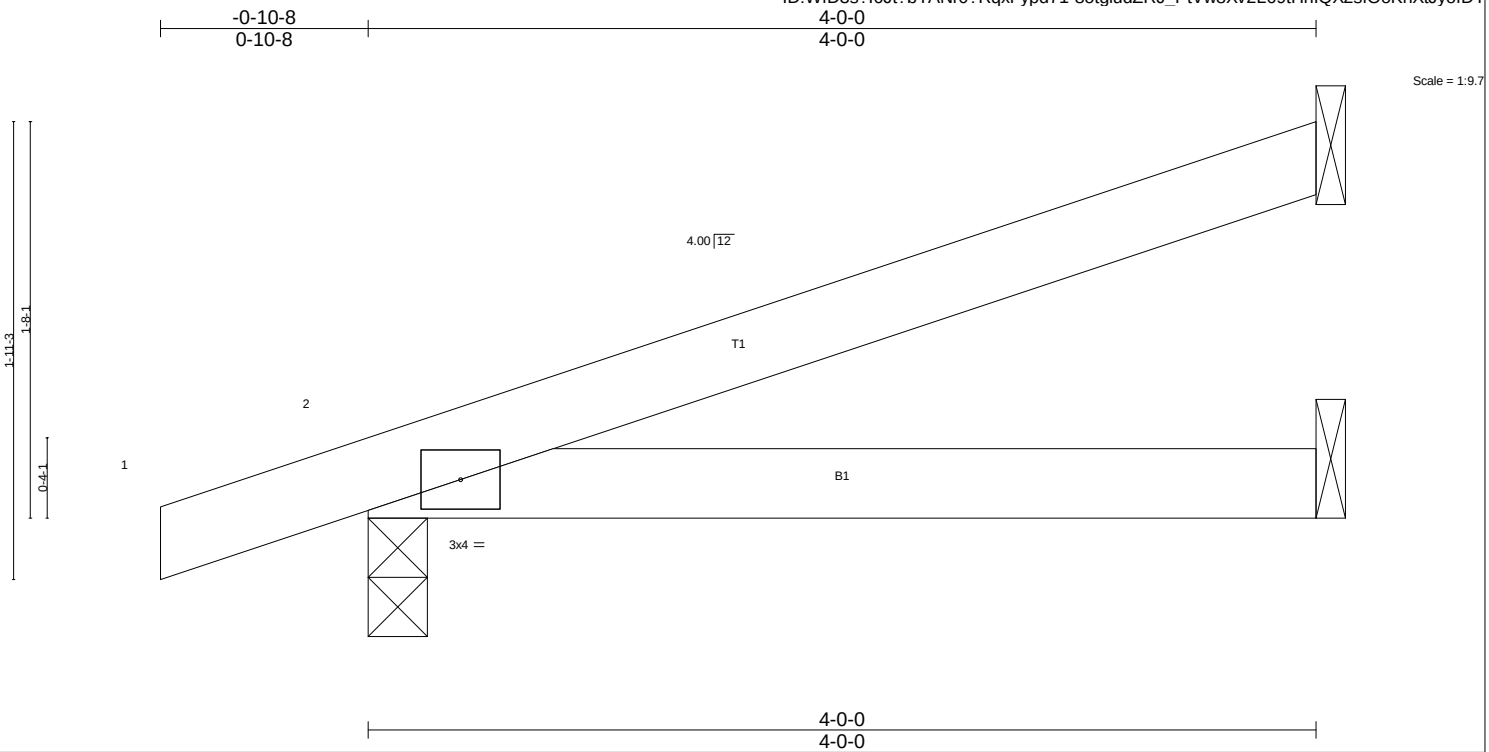
REACTIONS. (lb/size) 3=43/Mechanical, 2=144/0-3-0, 4=25/Mechanical
Max Horz 2=36(LC 8)
Max Uplift 3=-13(LC 12), 2=-44(LC 8)
Max Grav 3=43(LC 1), 2=144(LC 1), 4=33(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-3=-17/12
BOT CHORD 2-4=0/0

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 13 lb uplift at joint 3 and 44 lb uplift at joint 2.
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	Peyton & Amberly Home
250306-A	J04	Jack-Open	4	1	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.01	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.01	4-7	>999	240	Weight: 14 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

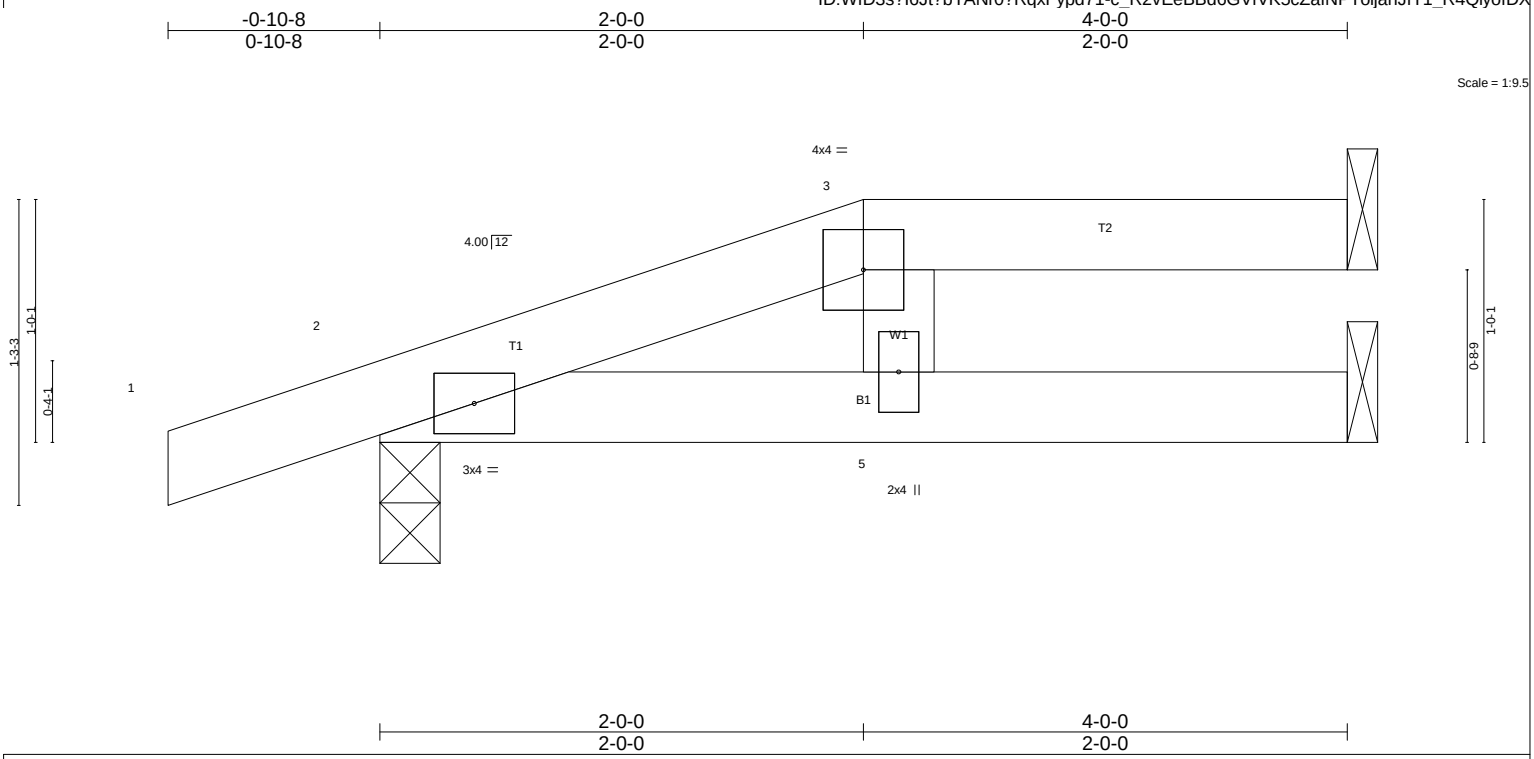
REACTIONS. (lb/size) 3=100/Mechanical, 2=216/0-3-0, 4=51/Mechanical
Max Horz 2=57(LC 8)
Max Uplift 3=-33(LC 12), 2=-45(LC 8)
Max Grav 3=100(LC 1), 2=216(LC 1), 4=70(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-8=-43/16, 3-8=-33/26
BOT CHORD 2-4=0/0

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 3-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 33 lb uplift at joint 3 and 45 lb uplift at joint 2.
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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	J04A	Half Hip Girder	2	1	Job Reference (optional)



LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	-0.02	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.03	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.01	5	>999	240	Weight: 14 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except
2-0-0 oc purlins: 3-4.
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) 4=58/Mechanical, 2=219/0-3-0, 6=97/Mechanical
Max Horz 2=36(LC 23)
Max Uplift 4=-20(LC 4), 2=-50(LC 4)
Max Grav 4=58(LC 1), 2=219(LC 1), 6=99(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-3=-24/4, 3-4=0/0
BOT CHORD 2-5=-7/29, 5-6=0/0
WEBS 3-5=-143/33

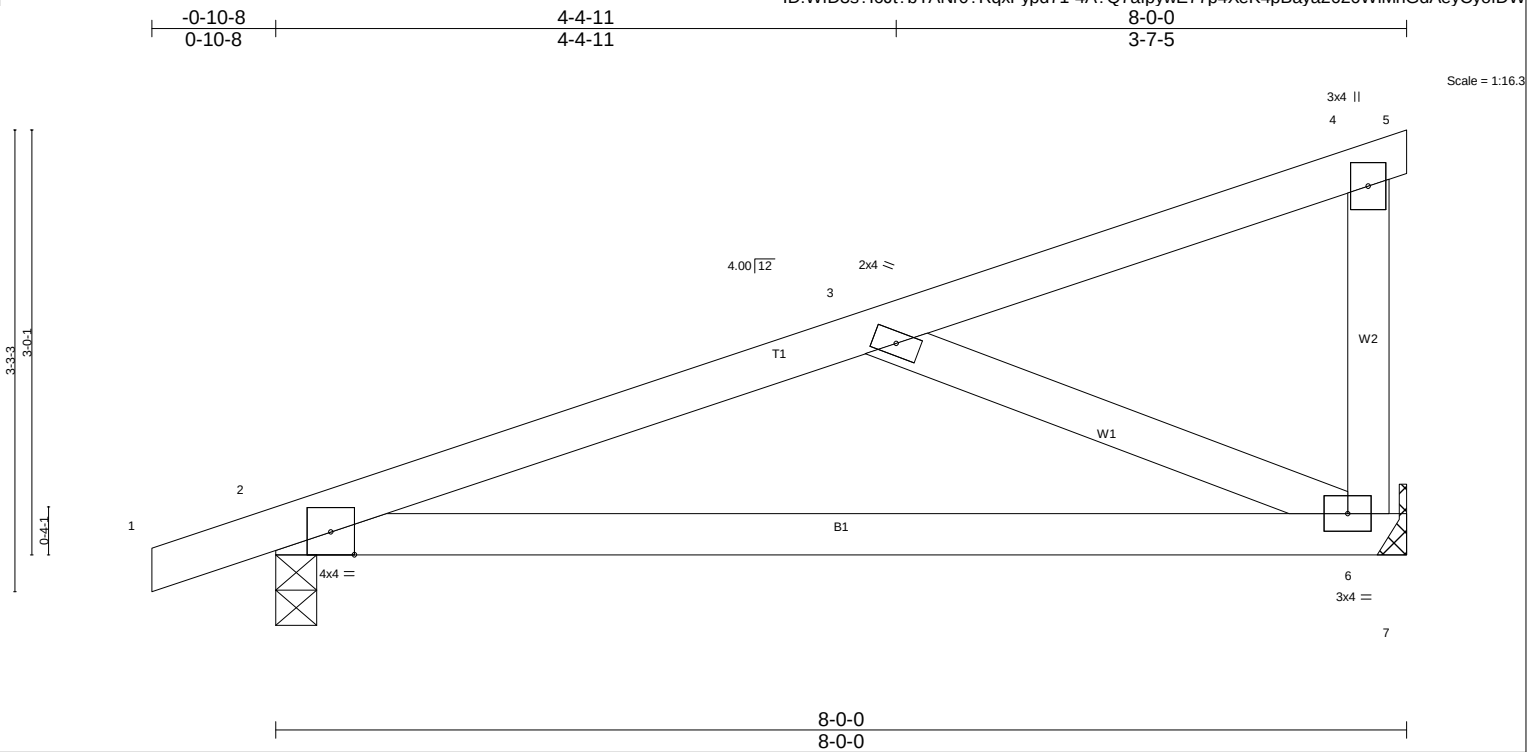
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 4 and 50 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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 18 lb down and 17 lb up at 2-0-0 on top chord, and 7 lb down at 2-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2
LOAD CASE(S) Standard

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-4=-60, 6-7=-20
   Concentrated Loads (lb)
      Vert: 5=-7(F)

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	J08	MONO TRUSS	8	1	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.08	6-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.17	6-10	>533	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	6-10	>999	240	Weight: 35 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=364/0-3-8, 6=317/Mechanical
Max Horz 2=100(LC 8)
Max Uplift2=-52(LC 8), 6=-48(LC 12)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-11=-450/187, 11-12=-438/192, 3-12=-399/199, 3-4=-47/16, 4-5=-2/0, 4-6=-79/103
BOT CHORD 2-6=-299/424, 6-7=0/0
WEBS 3-6=-457/323

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 8-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 2 and 48 lb uplift at joint 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.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	J08A	Half Hip	2	1	Job Reference (optional)

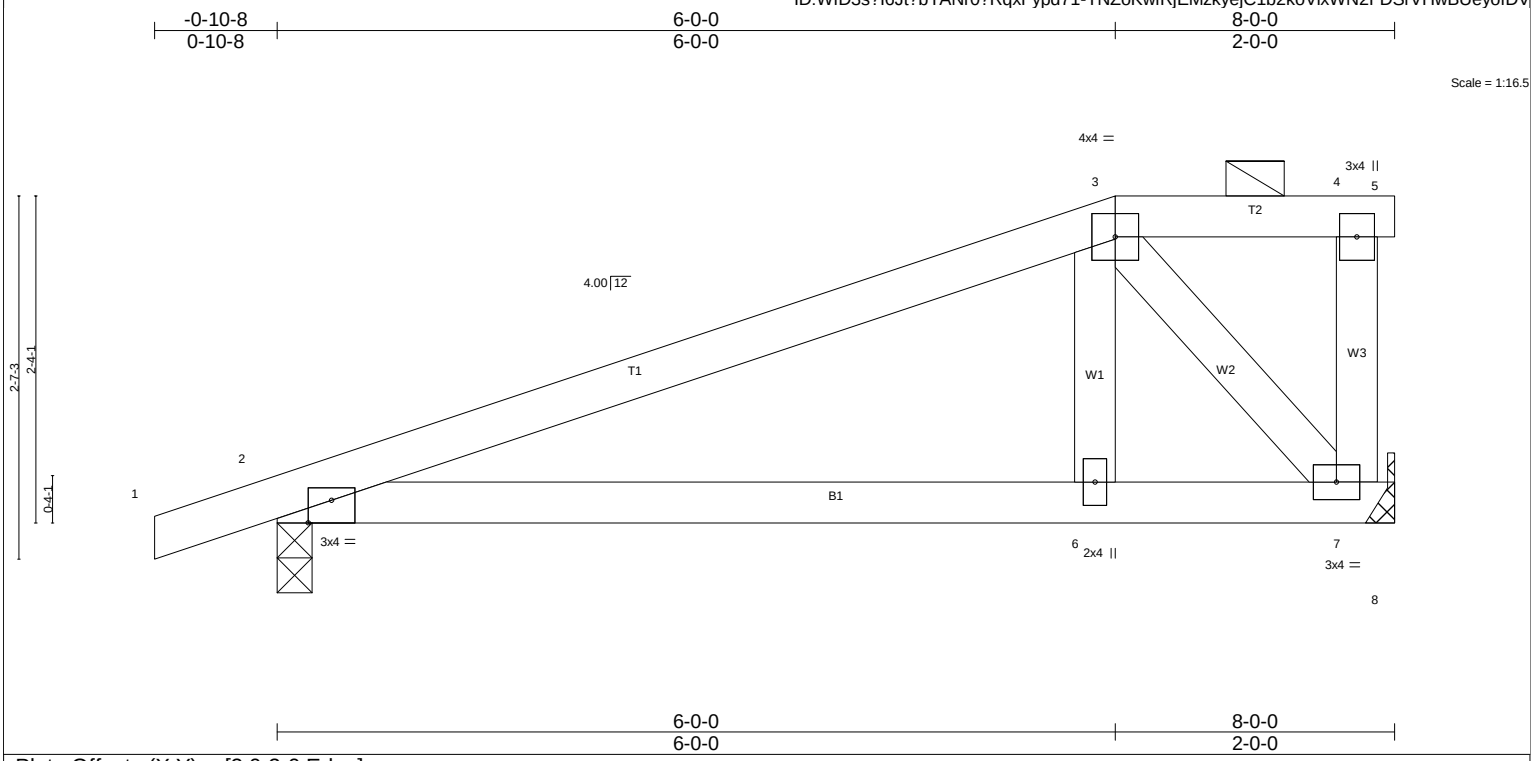


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.04	6-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.08	6-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.05	6-11	>999	240	Weight: 34 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 3-5.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=364/0-3-0, 7=317/Mechanical
Max Horz 2=79(LC 8)
Max Uplift2=-58(LC 8), 7=-37(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-12=-317/89, 3-12=-275/97, 3-4=0/0, 4-5=0/0, 4-7=-58/60
BOT CHORD 2-6=-136/261, 6-7=-135/249, 7-8=0/0
WEBS 3-6=-18/232, 3-7=-385/209

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 6-0-0, Exterior(2) 6-0-0 to 8-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 2 and 37 lb uplift at joint 7.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
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	Peyton & Amberly Home
250306-A	J08B	Half Hip Girder	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Technical Support 2020 s 5.20 Jul 10 2025 Print: 25.2.0 s Jul 24 2025 MiTek Industries, Inc. Tue Aug 12 08:57:03 2025 Page 1
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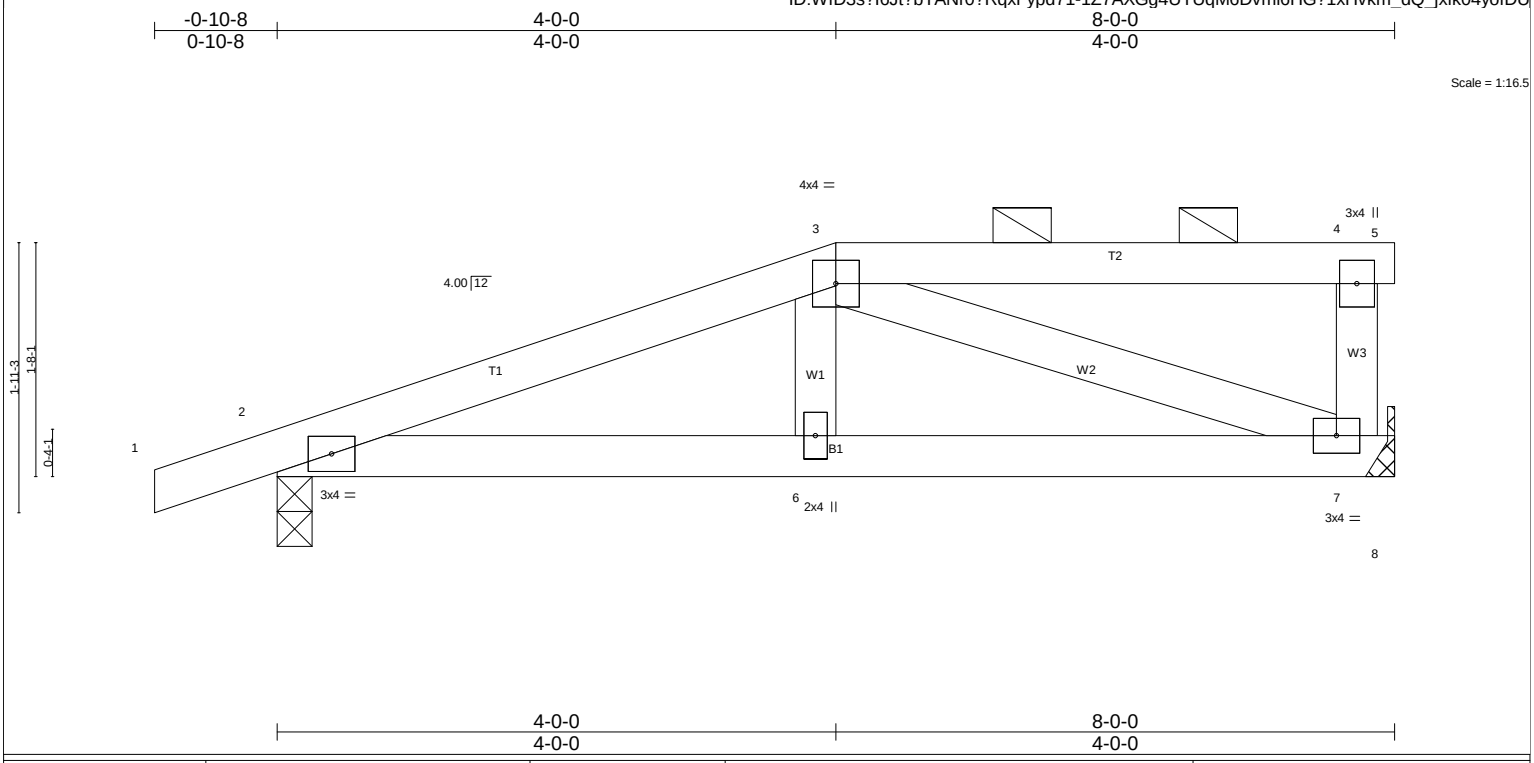


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.02	6-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.03	6-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.01	6-11	>999	240	Weight: 34 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-5.
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=472/0-3-0, 7=431/Mechanical
Max Horz 2=58(LC 4)
Max Uplift2=-47(LC 4), 7=-29(LC 4)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-3=-741/9, 3-12=-0/0, 4-12=-0/0, 4-5=0/0, 4-7=-140/49
BOT CHORD 2-13=-20/681, 6-13=-20/681, 6-14=-27/659, 7-14=-27/659, 7-8=0/0
WEBS 3-6=0/261, 3-7=-703/29

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 2 and 29 lb uplift at joint 7.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 59 lb down and 46 lb up at 4-0-0, and 45 lb down and 46 lb up at 6-0-12 on top chord, and 77 lb down at 2-0-12, and 31 lb down at 4-0-12, and 31 lb down at 6-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	J08B	Half Hip Girder	2	1	Job Reference (optional)

LOAD CASE(S) Standard

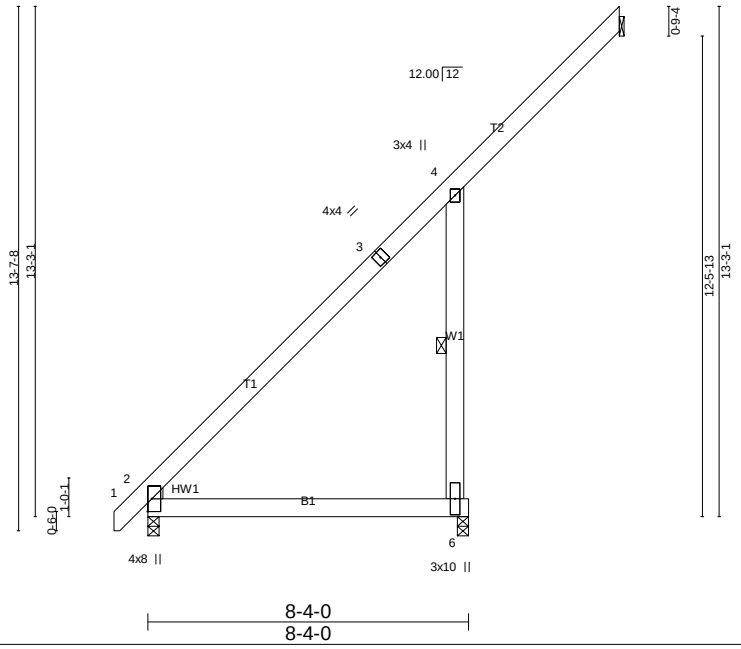
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-4=-60, 4-5=-20, 8-9=-20
   Concentrated Loads (lb)
      Vert: 6=-31(F) 3=-40(F) 12=-40(F) 13=-77(F) 14=-31(F)

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	M1	MONOPITCH	2	1	Job Reference (optional)

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-VlgZlchiFrch_Go5KSdWpDa6?J3Yj7u7ybPIZXyofDT

-0-10-8 8-4-0 12-3-0
0-10-8 8-4-0 3-11-0

Scale = 1:59.8



8-4-0
8-4-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.07	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.12	6-9	>812	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.06	6-9	>999	240	Weight: 83 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-6

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

REACTIONS. (lb/size) 5=53/Mechanical, 2=331/0-3-8, 6=554/0-3-8
Max Horz 2=418(LC 12)
Max Uplift 5=-50(LC 12), 6=-393(LC 12)
Max Grav 5=55(LC 19), 2=411(LC 21), 6=813(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-10=-530/483, 3-10=-509/485, 3-4=-478/547, 4-5=-141/53, 4-6=-775/555
BOT CHORD 2-11=0/0, 6-11=0/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-10 to 3-7-3, Interior(1) 3-7-3 to 12-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 5 and 393 lb uplift at joint 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.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	M1GR	Monopitch Girder	1	2	Job Reference (optional)

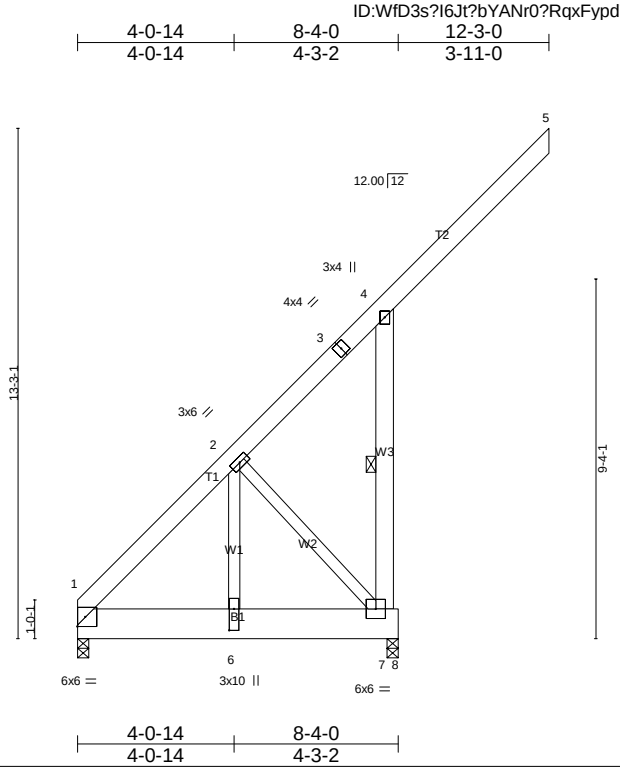


Plate Offsets (X,Y)-- [6:0-6-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.02	6-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.01	6-11	>999	240	Weight: 212 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except*
W3: 2x6 SP No.1

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 4-7

REACTIONS. (lb/size) 1=1564/0-3-8, 7=1645/0-3-8
Max Horz 1=370(LC 8)
Max Uplift1=-55(LC 4), 7=-509(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1342/117, 2-3=-435/203, 3-4=-405/243, 4-5=-181/0, 4-7=-557/517
BOT CHORD 1-12=-107/898, 6-12=-107/898, 6-13=-107/898, 7-13=-107/898, 7-8=0/0
WEBS 2-6=-144/1842, 2-7=-1346/160

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: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs 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=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 1 and 509 lb uplift at joint 7.
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) 1153 lb down and 82 lb up at 2-5-4, and 1153 lb down and 82 lb up at 4-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2
LOAD CASE(S) Standard

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-5=-60, 8-9=-20
   Concentrated Loads (lb)
      Vert: 12=-1153(F) 13=-1153(F)

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	M2	ROOF TRUSS	2	1	Job Reference (optional)

ID:WfD3s?l6Jt?bYANr0?RqxFypd71-R8oJAliynTtPDayURtg_uefO47eHB_kQPvuPdPyofDR

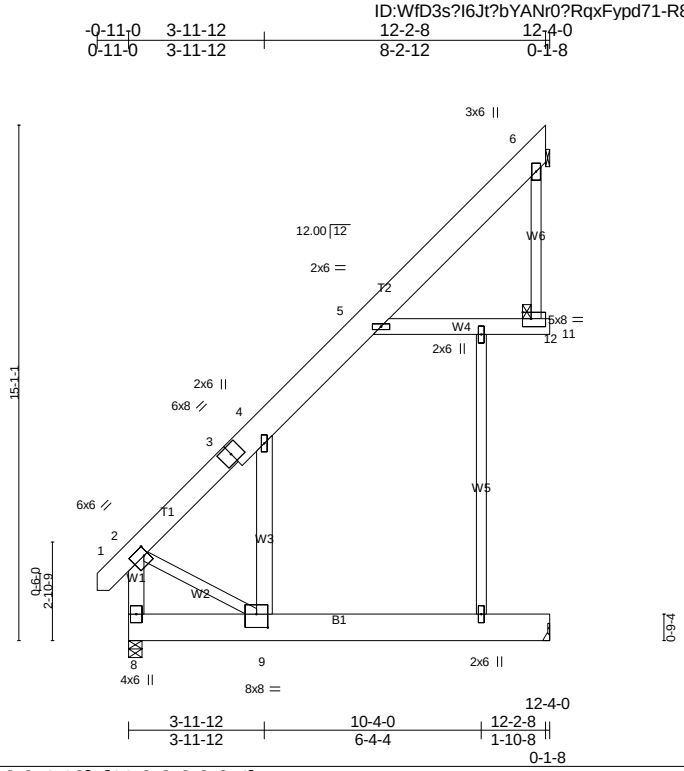


Plate Offsets (X,Y)-- [2:0-1-8,0-3-0], [9:0-4-0,0-4-12], [11:0-3-0,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.13	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.25	9-10	>575	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.13	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.14	9-10	>998	240	Weight: 171 lb	FT = 25%

LUMBER-

TOP CHORD 2x10 SP No.1 *Except* T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except* W3,W1,W4: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 11

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

REACTIONS. (lb/size) 7=386/Mechanical, 8=652/0-4-12, 10=301/Mechanical
Max Horz 8=391(LC 12)
Max Uplift 7=-154(LC 12)
Max Grav 7=499(LC 19), 8=762(LC 21), 10=613(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/41, 2-3=-505/332, 3-4=-482/353, 4-5=-333/266, 5-6=-229/359, 6-7=-158/412, 6-11=0/50, 2-8=-580/342
BOT CHORD 8-9=-597/720, 9-10=0/0
WEBS 4-9=-246/220, 2-9=-843/699, 5-11=-5/10, 11-12=0/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-14 to 3-11-4, Interior(1) 3-11-4 to 12-1-12 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 7.
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) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-4=-60, 4-5=-80(F=-20), 5-6=-60, 6-7=-60, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-50, 2-4=-50, 4-5=-70(F=-20), 5-6=-50, 6-7=-50, 8-9=-20, 9-10=-100(F=-80), 5-11=-20(F)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-4=-20, 4-5=-40(F=-20), 5-6=-20, 6-7=-20, 8-9=-40, 9-10=-60(F=-20), 5-11=-20(F)
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=58, 2-4=34, 4-5=7(F=-20), 5-6=27, 6-7=27, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
   Horz: 1-2=-70, 2-4=-46, 4-6=-39, 6-7=-39, 2-8=26
5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=20, 2-4=27, 4-5=7(F=-20), 5-6=27, 6-7=27, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
   Horz: 1-2=-32, 2-6=-39, 6-7=-39, 2-8=-43
6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=11, 2-4=-58, 4-5=-78(F=-20), 5-6=-58, 6-7=-58, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)
   Horz: 1-2=-31, 2-6=38, 6-7=38, 2-8=-30
7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-51, 2-4=-58, 4-5=-78(F=-20), 5-6=-58, 6-7=-58, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)
   Horz: 1-2=31, 2-6=38, 6-7=38, 2-8=40
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=2, 2-4=-13, 4-5=-33(F=-20), 5-6=-13, 6-7=-13, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
   Horz: 1-2=-14, 2-6=1, 6-7=1, 2-8=14
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=4, 2-4=11, 4-5=-9(F=-20), 5-6=11, 6-7=11, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
   Horz: 1-2=-16, 2-6=-23, 6-7=-23, 2-8=-21
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-28, 2-4=-35, 4-5=-55(F=-20), 5-6=-35, 6-7=-35, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)
    Horz: 1-2=8, 2-6=15, 6-7=15, 2-8=28
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-4, 2-4=-11, 4-5=-31(F=-20), 5-6=-11, 6-7=-11, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)
    Horz: 1-2=-16, 2-6=-9, 6-7=-9, 2-8=-7
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=14, 2-4=21, 4-5=1(F=-20), 5-6=21, 6-7=21, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
    Horz: 1-2=-26, 2-6=-33, 6-7=-33, 2-8=8
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=2, 2-4=9, 4-5=-11(F=-20), 5-6=9, 6-7=9, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
    Horz: 1-2=-14, 2-6=-21, 6-7=-21, 2-8=-18
14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=14, 2-4=21, 4-5=1(F=-20), 5-6=21, 6-7=21, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
    Horz: 1-2=-26, 2-6=-33, 6-7=-33, 2-8=8
15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=2, 2-4=9, 4-5=-11(F=-20), 5-6=9, 6-7=9, 8-9=-12, 9-10=-32(F=-20), 5-11=-20(F)
    Horz: 1-2=-14, 2-6=-21, 6-7=-21, 2-8=-18
16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=6, 2-4=-1, 4-5=-21(F=-20), 5-6=-1, 6-7=-1, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)
    Horz: 1-2=-26, 2-6=-19, 6-7=-19, 2-8=22
17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-6, 2-4=-13, 4-5=-33(F=-20), 5-6=-13, 6-7=-13, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)
    Horz: 1-2=-14, 2-6=-7, 6-7=-7, 2-8=-4
18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
    Uniform Loads (plf)
    Vert: 1-2=-20, 2-4=-20, 4-5=-40(F=-20), 5-6=-20, 6-7=-20, 8-9=-20, 9-10=-120(F=-100), 5-11=-20(F)
19) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=-56, 2-4=-61, 4-5=-81(F=-20), 5-6=-61, 6-7=-61, 8-9=-20, 9-10=-100(F=-80), 5-11=-20(F)
Horz: 1-2=6, 2-6=11, 6-7=11, 2-8=21

20) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-38, 2-4=-43, 4-5=-63(F=-20), 5-6=-43, 6-7=-43, 8-9=-20, 9-10=-100(F=-80), 5-11=-20(F)
Horz: 1-2=-12, 2-6=-7, 6-7=-7, 2-8=-5

21) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-31, 2-4=-36, 4-5=-56(F=-20), 5-6=-36, 6-7=-36, 8-9=-20, 9-10=-100(F=-80), 5-11=-20(F)
Horz: 1-2=-19, 2-6=-14, 6-7=-14, 2-8=16

22) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-4=-45, 4-5=-65(F=-20), 5-6=-45, 6-7=-45, 8-9=-20, 9-10=-100(F=-80), 5-11=-20(F)
Horz: 1-2=-10, 2-6=-5, 6-7=-5, 2-8=-3

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-4=-60, 4-5=-80(F=-20), 5-6=-60, 6-7=-60, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)

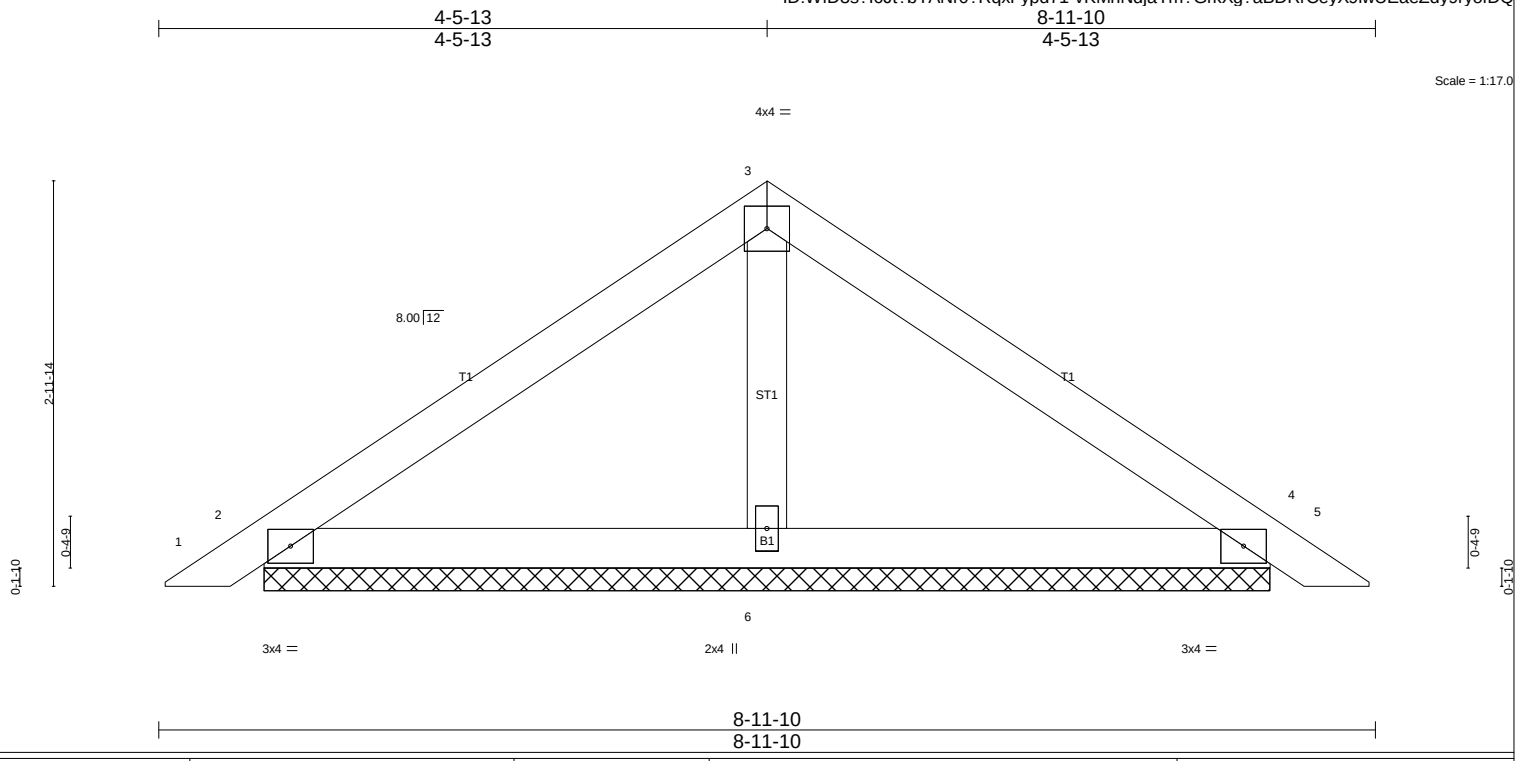
24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-4=-20, 4-5=-40(F=-20), 5-6=-20, 6-7=-20, 8-9=-20, 9-10=-40(F=-20), 5-11=-20(F)

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-4=-50, 4-5=-70(F=-20), 5-6=-50, 6-7=-50, 8-9=-20, 9-10=-100(F=-80), 5-11=-20(F)

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-4=-20, 4-5=-40(F=-20), 5-6=-20, 6-7=-20, 8-9=-20, 9-10=-100(F=-80), 5-11=-20(F)

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	PB1	PIGGYBACK	15	1	Job Reference (optional)

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-vKMhNdjaYm?GrkXg?aBDRrCeyX9iwUEaeZdy9ryofDQ



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 30 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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.

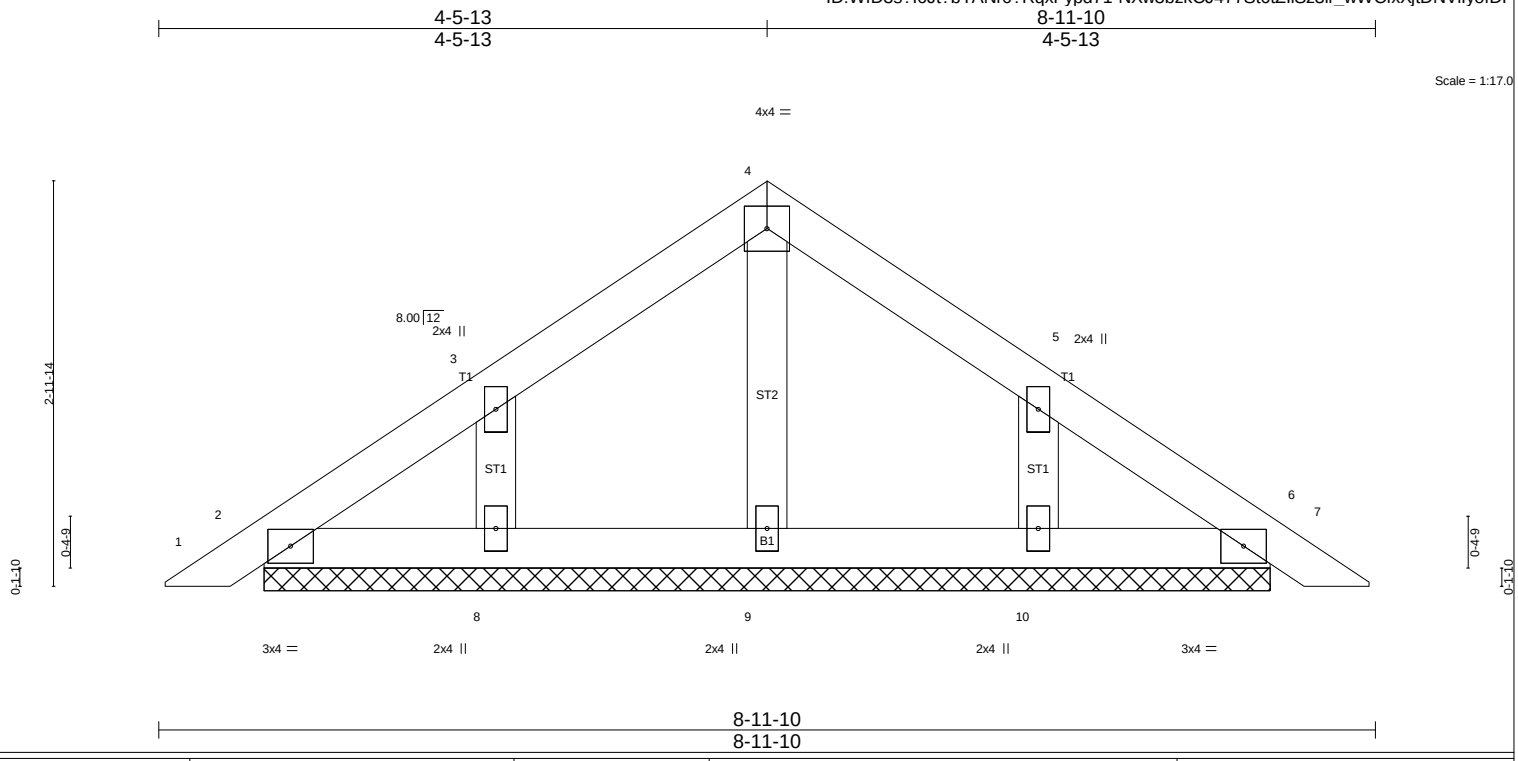
REACTIONS. (lb/size) 2=193/7-5-0, 4=193/7-5-0, 6=267/7-5-0
Max Horz 2=-67(LC 10)
Max Uplift2=-34(LC 12), 4=-40(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-100/64, 3-4=-91/64, 4-5=0/14
BOT CHORD 2-6=-13/45, 4-6=-13/45
WEBS 3-6=-174/79

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 34 lb uplift at joint 2 and 40 lb uplift at joint 4.
6) Non Standard bearing condition. Review required.
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) 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	Peyton & Amberly Home
250306-A	PB1GE	GABLE	2	1	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 33 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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) 2=94/7-5-0, 6=94/7-5-0, 9=116/7-5-0, 8=174/7-5-0, 10=174/7-5-0
Max Horz 2=-84(LC 10)
Max Uplift 2=-17(LC 13), 6=-12(LC 13), 8=-102(LC 12), 10=-101(LC 13)
Max Grav 2=94(LC 1), 6=94(LC 1), 9=116(LC 1), 8=195(LC 19), 10=194(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-73/60, 3-4=-80/79, 4-5=-79/78, 5-6=-50/33, 6-7=0/14
BOT CHORD 2-8=-33/58, 8-9=-33/58, 9-10=-33/58, 6-10=-33/58
WEBS 4-9=-77/0, 3-8=-181/135, 5-10=-182/135

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 2, 12 lb uplift at joint 6, 102 lb uplift at joint 8 and 101 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) 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	Peyton & Amberly Home
250306-A	PB2	PIGGYBACK	5	1	Job Reference (optional)

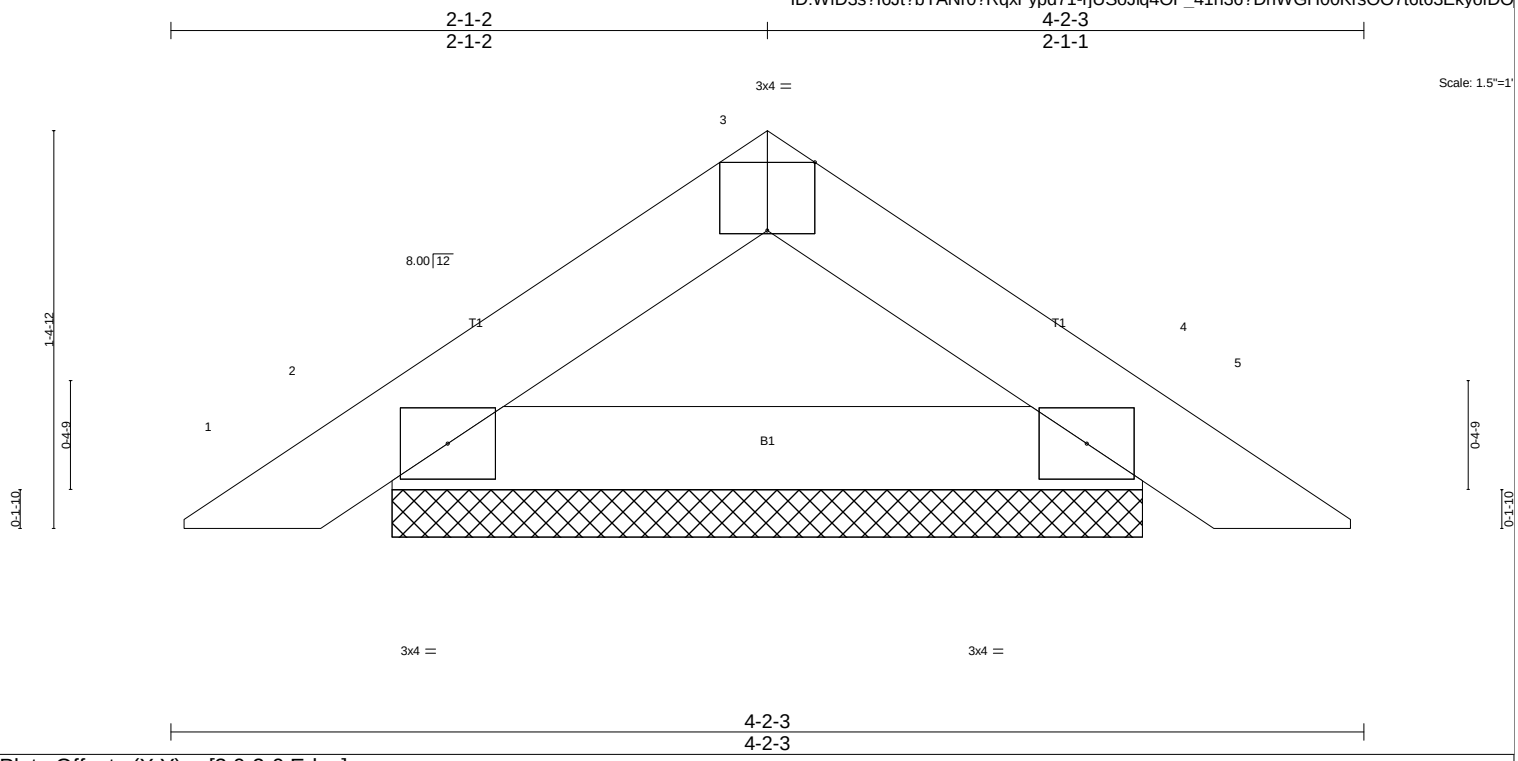


Plate Offsets (X,Y)-- [3:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 11 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-3 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.

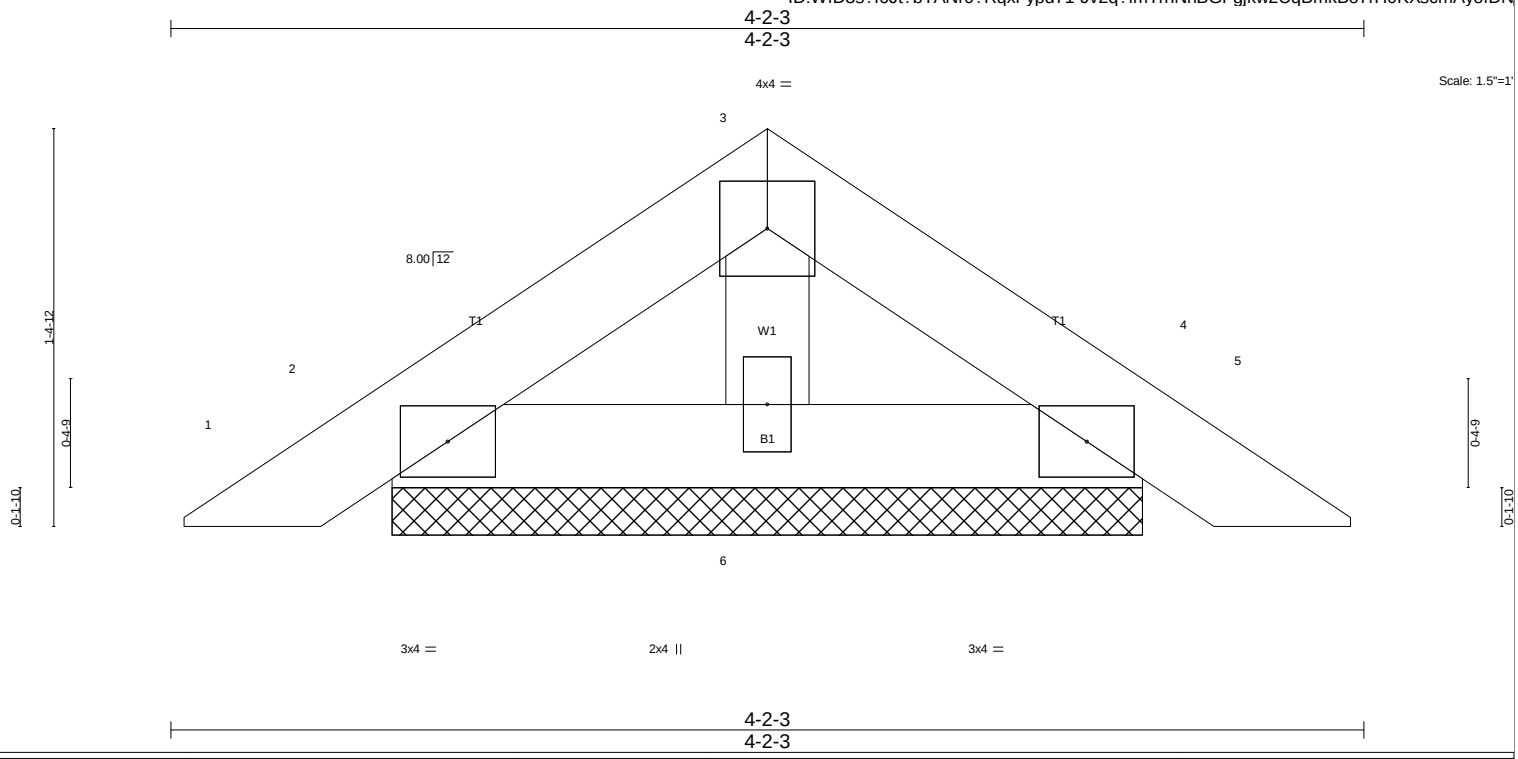
REACTIONS. (lb/size) 2=135/2-7-9, 4=135/2-7-9
Max Horz 2=-29(LC 10)
Max Uplift2=-13(LC 12), 4=-13(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-85/43, 3-4=-85/43, 4-5=0/14
BOT CHORD 2-4=-1/53

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 13 lb uplift at joint 2 and 13 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.
8) 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	Peyton & Amberly Home
250306-A	PB2GE	PIGGYBACK	1	1	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 12 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-3 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=91/2-7-9, 4=91/2-7-9, 6=87/2-7-9
Max Horz 2=-36(LC 10)
Max Uplift2=-36(LC 12), 4=-41(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-42/27, 3-4=-38/29, 4-5=0/14
BOT CHORD 2-6=-9/27, 4-6=-9/27
WEBS 3-6=-56/19

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 36 lb uplift at joint 2 and 41 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.
8) 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	Peyton & Amberly Home
250306-A	PB3	PIGGYBACK	8	1	Job Reference (optional)

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-o5bCD?m5c?ViJLqSEQF9bhNLA8XVsIQ9ZBbAIdyofDM

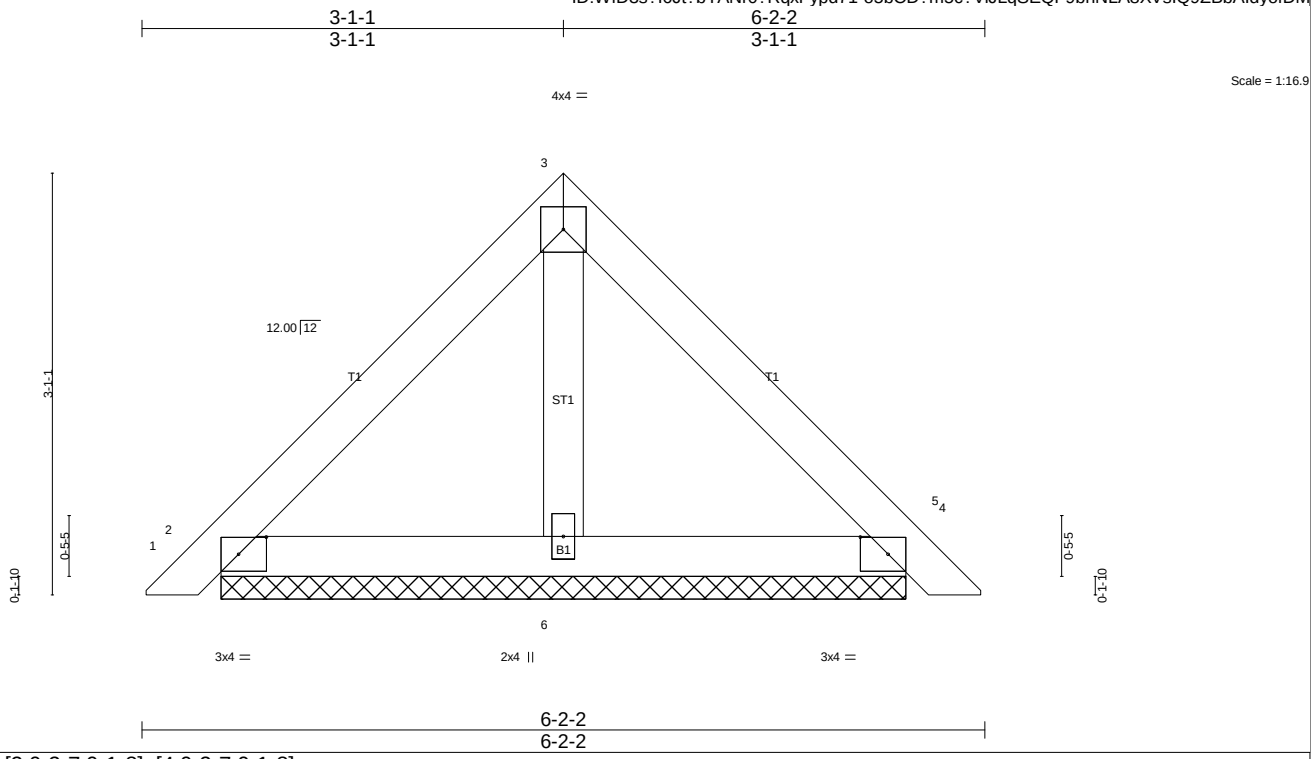


Plate Offsets (X,Y)-- [2:0-2-7,0-1-8], [4:0-2-7,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 24 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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) 2=145/5-0-4, 4=145/5-0-4, 6=153/5-0-4
Max Horz 2=-69(LC 10)
Max Uplift 2=-24(LC 13), 4=-28(LC 13)
Max Grav 2=145(LC 1), 4=145(LC 1), 6=156(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/13, 2-3=-94/54, 3-4=-84/55, 4-5=0/13
BOT CHORD 2-6=-24/56, 4-6=-24/56
WEBS 3-6=-91/34

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 24 lb uplift at joint 2 and 28 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.
8) 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	Peyton & Amberly Home
250306-A	PB3GE	GABLE	1	1	Job Reference (optional)

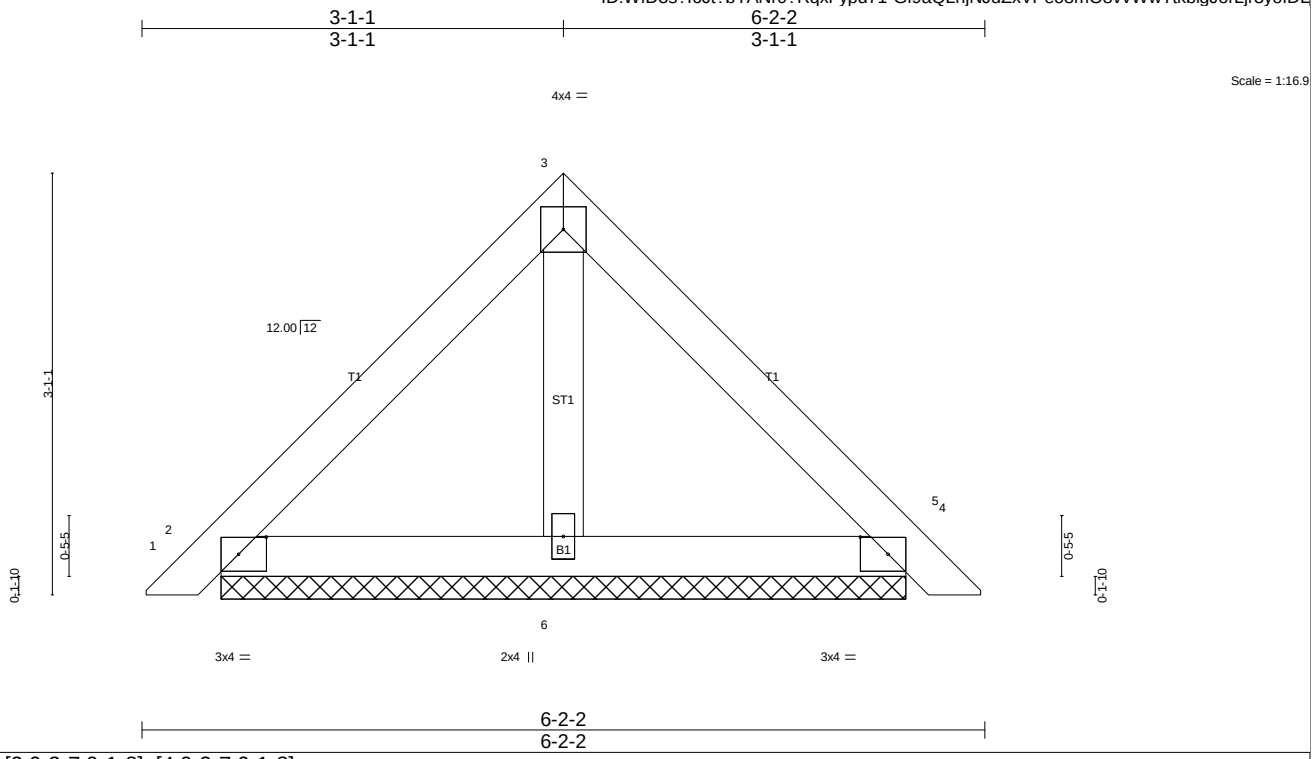


Plate Offsets (X,Y)-- [2:0-2-7,0-1-8], [4:0-2-7,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 24 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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) 2=145/5-0-4, 4=145/5-0-4, 6=153/5-0-4
Max Horz 2=-86(LC 10)
Max Uplift 2=-49(LC 13), 4=-55(LC 13)
Max Grav 2=145(LC 1), 4=145(LC 1), 6=156(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/13, 2-3=-99/63, 3-4=-85/55, 4-5=0/13
BOT CHORD 2-6=-27/61, 4-6=-27/61
WEBS 3-6=-91/34

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 2 and 55 lb uplift at joint 4.
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) 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	Peyton & Amberly Home
250306-A	PB4	PIGGYBACK	2	2	Job Reference (optional)

ID:WfD3s?I6Jt?bYANr0?RqxFypd71-kUjyehoL7clQZf_qLrldg6SiwxD0KB0S1V4GNVyofDK

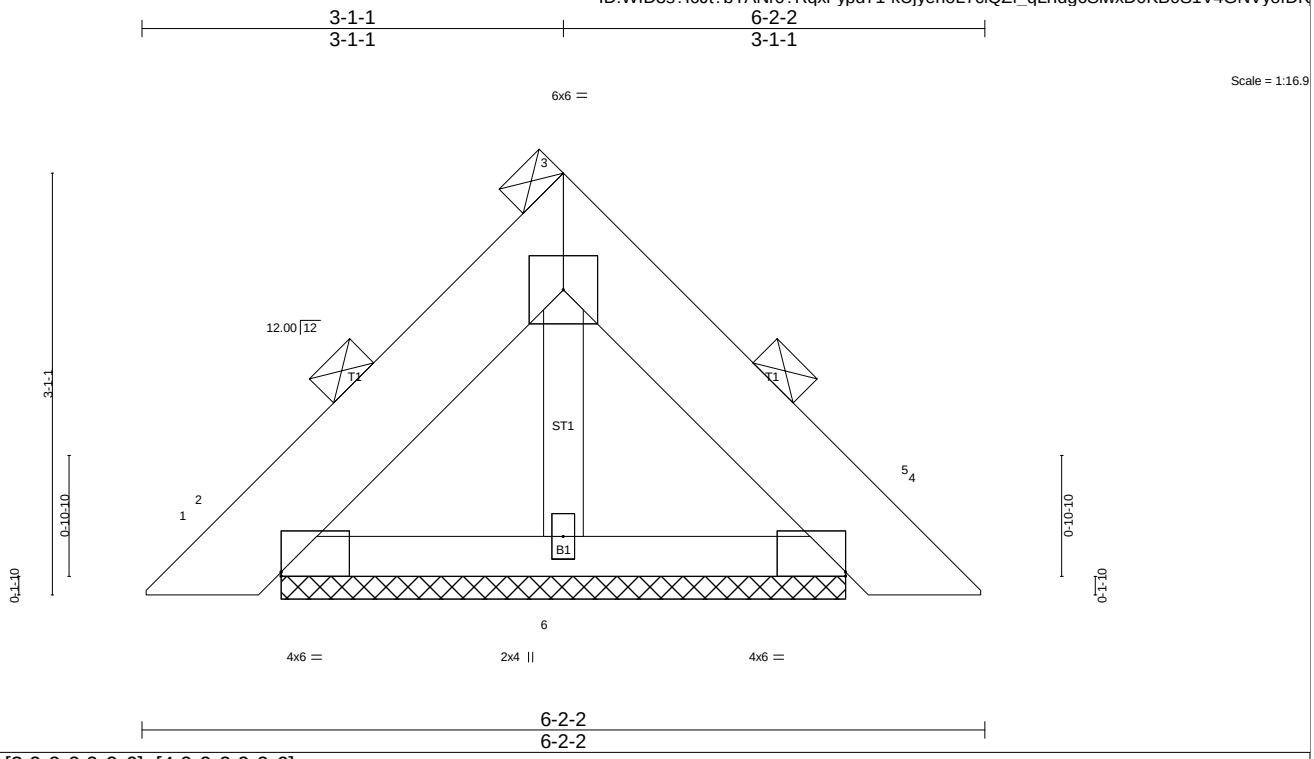


Plate Offsets (X,Y)-- [2:0-0-0,0-0-6], [4:0-0-0,0-0-6]

LOADING (psf)		SPACING-	5-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 71 lb	FT = 25%

LUMBER-
TOP CHORD 2x8 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=371/4-1-10, 4=371/4-1-10, 6=258/4-1-10
Max Horz 2=-159(LC 10)
Max Uplift 2=-67(LC 13), 4=-77(LC 13)
Max Grav 2=371(LC 1), 4=371(LC 1), 6=301(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-250/134, 3-4=-230/139, 4-5=0/36
BOT CHORD 2-6=-44/124, 4-6=-44/124
WEBS 3-6=-133/13

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords 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=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 67 lb uplift at joint 2 and 77 lb uplift at joint 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	Peyton & Amberly Home
250306-A	VG1	GABLE	1	1	Job Reference (optional)

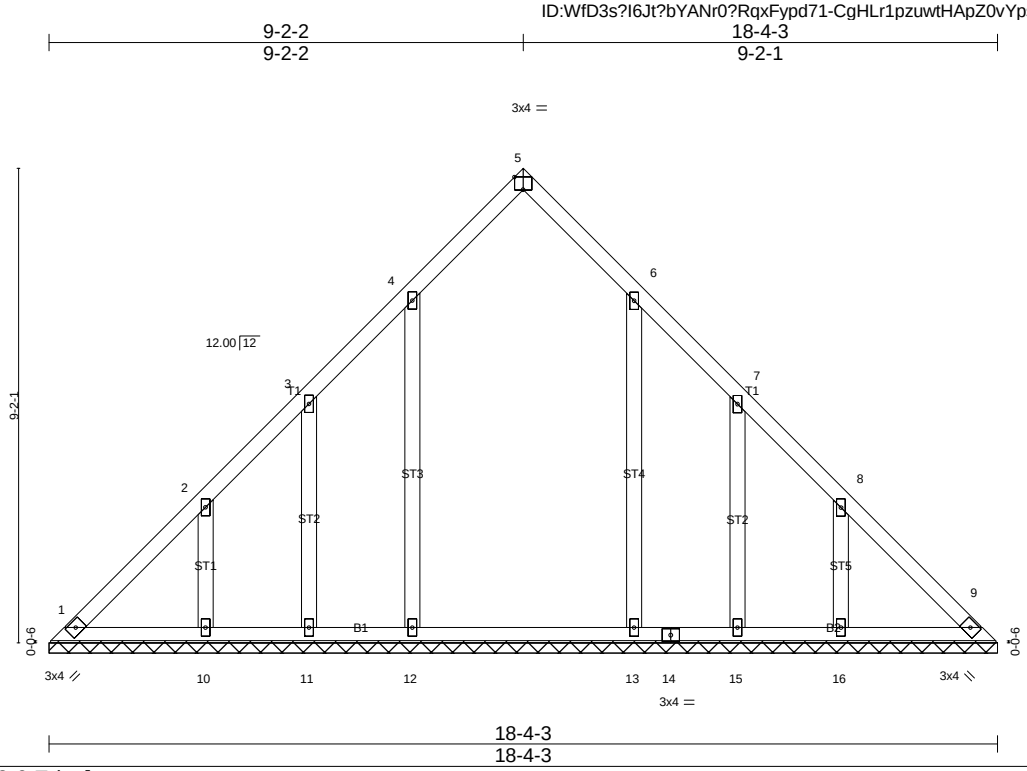


Plate Offsets (X,Y)-- [5:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 104 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=144/18-4-3, 9=144/18-4-3, 12=214/18-4-3, 11=121/18-4-3, 10=228/18-4-3, 13=214/18-4-3, 15=121/18-4-3, 16=227/18-4-3
Max Horz 1=-264(LC 8)
Max Uplift 1=-48(LC 10), 9=-43(LC 11), 12=-122(LC 12), 11=-135(LC 12), 10=-191(LC 12), 13=-117(LC 13), 15=-138(LC 13), 16=-190(LC 13)
Max Grav 1=265(LC 12), 9=262(LC 13), 12=383(LC 19), 11=121(LC 23), 10=281(LC 19), 13=378(LC 20), 15=121(LC 24), 16=280(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-413/271, 2-3=-240/124, 3-4=-156/64, 4-5=-131/65, 5-6=-131/63, 6-7=-152/55, 7-8=-236/125, 8-9=-409/271
BOT CHORD 1-10=-220/338, 10-11=-220/338, 11-12=-220/338, 12-13=-220/338, 13-14=-220/338, 14-15=-220/338, 15-16=-220/338, 9-16=-220/338
WEBS 4-12=-190/167, 3-11=-172/152, 2-10=-248/213, 6-13=-190/162, 7-15=-172/155, 8-16=-247/213

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 5-0-6, Interior(1) 5-0-6 to 9-2-2, Exterior(2) 9-2-2 to 13-3-14, Interior(1) 13-3-14 to 17-11-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 48 lb uplift at joint 1, 43 lb uplift at joint 9, 122 lb uplift at joint 12, 135 lb uplift at joint 11, 191 lb uplift at joint 10, 117 lb uplift at joint 13, 138 lb uplift at joint 15 and 190 lb uplift at joint 16.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	VG1	GABLE	1	1	Job Reference (optional)

NOTES-

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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Peyton & Amberly Home
250306-A	VG2	VALLEY	1	1	Job Reference (optional)

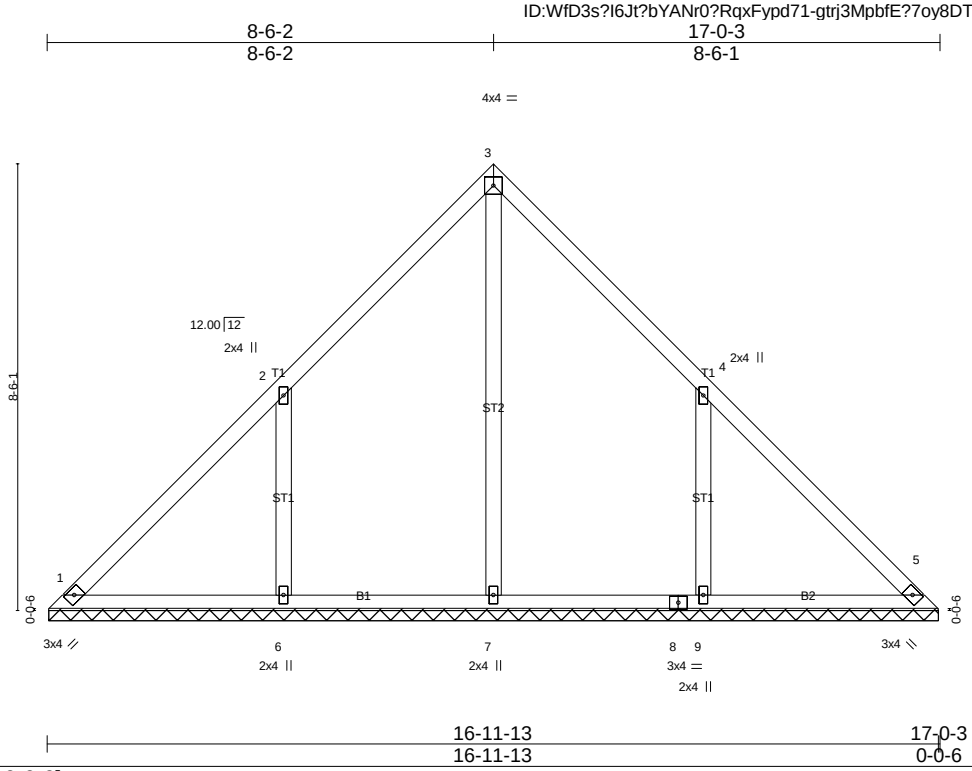


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 83 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=168/16-11-7, 5=168/16-11-7, 7=195/16-11-7, 6=387/16-11-7, 9=387/16-11-7
Max Horz 1=196(LC 11)
Max Uplift 1=-25(LC 8), 6=-205(LC 12), 9=-205(LC 13)
Max Grav 1=196(LC 20), 5=172(LC 19), 7=416(LC 22), 6=532(LC 19), 9=531(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-200/151, 2-10=-150/156, 2-3=-197/176, 3-4=-197/175, 4-11=-112/115, 5-11=-166/109
BOT CHORD 1-6=-121/157, 6-7=-121/157, 7-8=-121/157, 8-9=-121/157, 5-9=-121/157
WEBS 3-7=-139/38, 2-6=-440/329, 4-9=-440/329

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-6-2, Interior(1) 4-6-2 to 8-6-2, Exterior(2) 8-6-2 to 12-10-14, Interior(1) 12-10-14 to 16-7-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 25 lb uplift at joint 1, 205 lb uplift at joint 6 and 205 lb uplift at joint 9.
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	Peyton & Amberly Home
250306-A	VG3	VALLEY	1	1	Job Reference (optional)

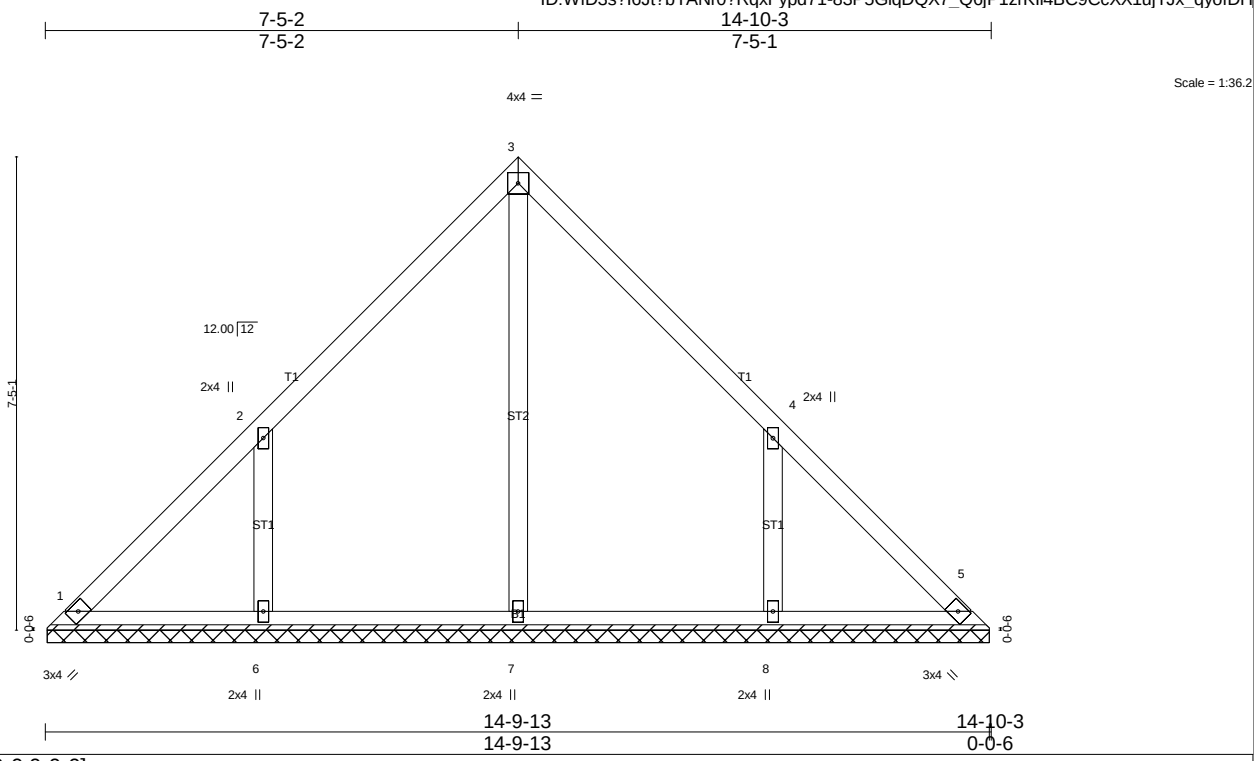


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 70 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=129/14-9-7, 5=129/14-9-7, 7=215/14-9-7, 6=329/14-9-7, 8=329/14-9-7
Max Horz 1=-170(LC 8)
Max Uplift 1=-32(LC 8), 5=-4(LC 9), 6=-178(LC 12), 8=-178(LC 13)
Max Grav 1=158(LC 20), 5=137(LC 19), 7=410(LC 22), 6=439(LC 19), 8=438(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-177/130, 2-9=-145/136, 2-10=-175/124, 3-10=-145/155, 3-11=-145/155, 4-11=-175/124, 4-12=-113/98, 5-12=-147/92
BOT CHORD 1-6=-92/130, 6-13=-92/130, 7-13=-92/130, 7-14=-92/130, 8-14=-92/130, 5-8=-92/130
WEBS 3-7=-136/0, 2-6=-386/301, 4-8=-386/301

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 7-5-2, Exterior(2) 7-5-2 to 11-9-14, Interior(1) 11-9-14 to 14-5-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 32 lb uplift at joint 1, 4 lb uplift at joint 5, 178 lb uplift at joint 6 and 178 lb uplift at joint 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	Peyton & Amberly Home
250306-A	VG4	VALLEY	1	1	Job Reference (optional)

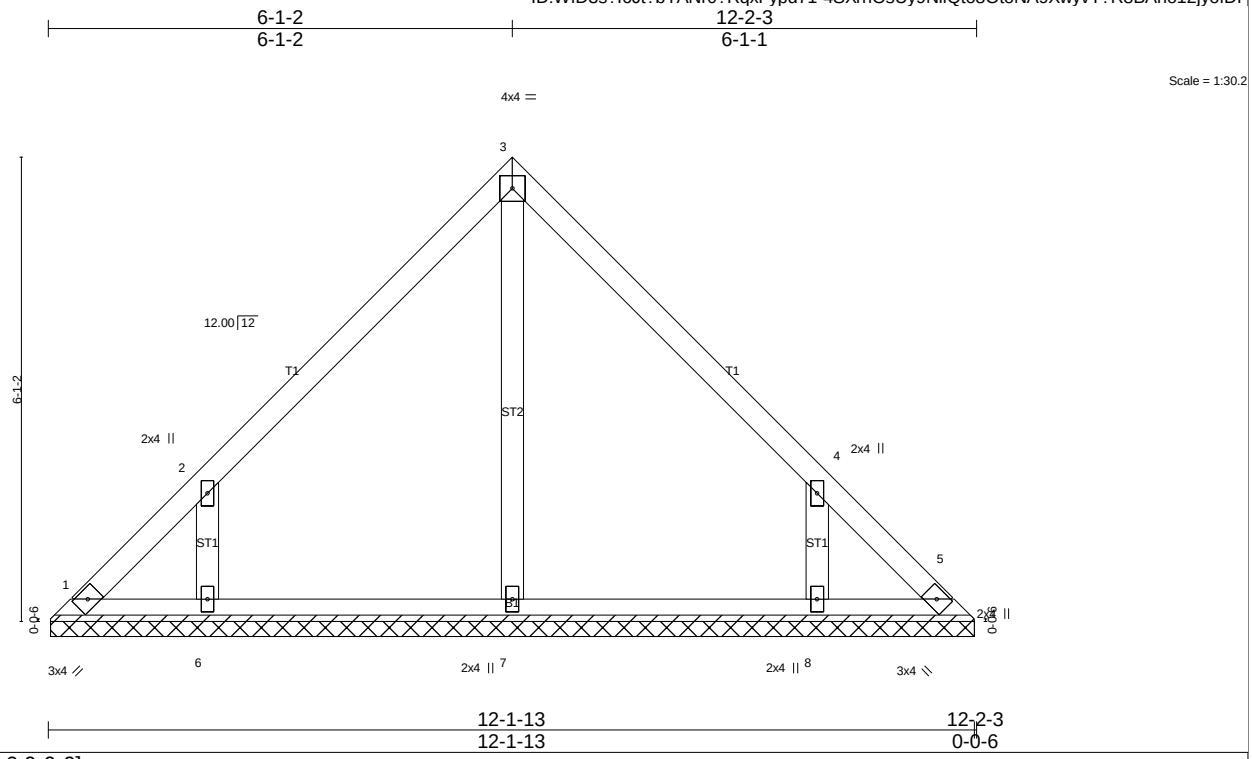


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 55 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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.

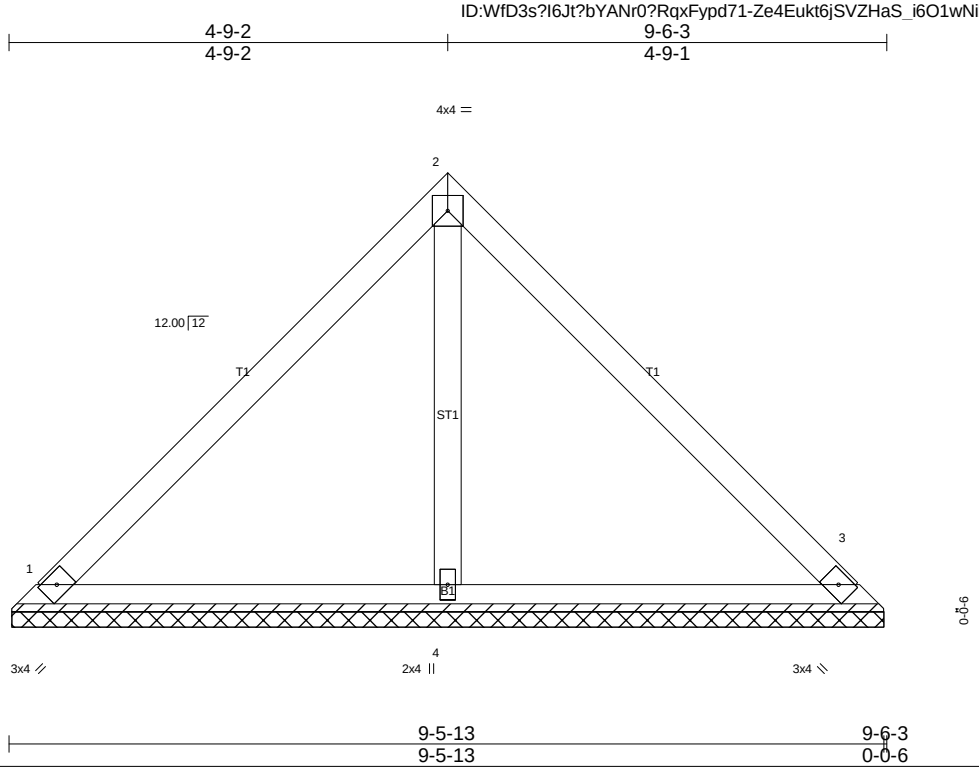
REACTIONS. (lb/size) 1=60/12-1-7, 5=60/12-1-7, 7=224/12-1-7, 6=287/12-1-7, 8=287/12-1-7
Max Horz 1=-138(LC 8)
Max Uplift 1=-60(LC 10), 5=-37(LC 11), 6=-160(LC 12), 8=-160(LC 13)
Max Grav 1=112(LC 9), 5=91(LC 19), 7=224(LC 1), 6=338(LC 19), 8=338(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-156/117, 2-9=-143/123, 2-10=-165/111, 3-10=-113/127, 3-11=-113/127, 4-11=-152/111, 4-12=-127/101, 5-12=-141/95
BOT CHORD 1-6=-60/98, 6-7=-60/98, 7-8=-60/98, 5-8=-60/98
WEBS 3-7=-138/0, 2-6=-355/294, 4-8=-355/294

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 6-1-2, Exterior(2) 6-1-2 to 10-5-14, Interior(1) 10-5-14 to 11-9-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 60 lb uplift at joint 1, 37 lb uplift at joint 5, 160 lb uplift at joint 6 and 160 lb uplift at joint 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	Peyton & Amberly Home
250306-A	VG5	VALLEY	1	1	Job Reference (optional)



LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 39 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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.

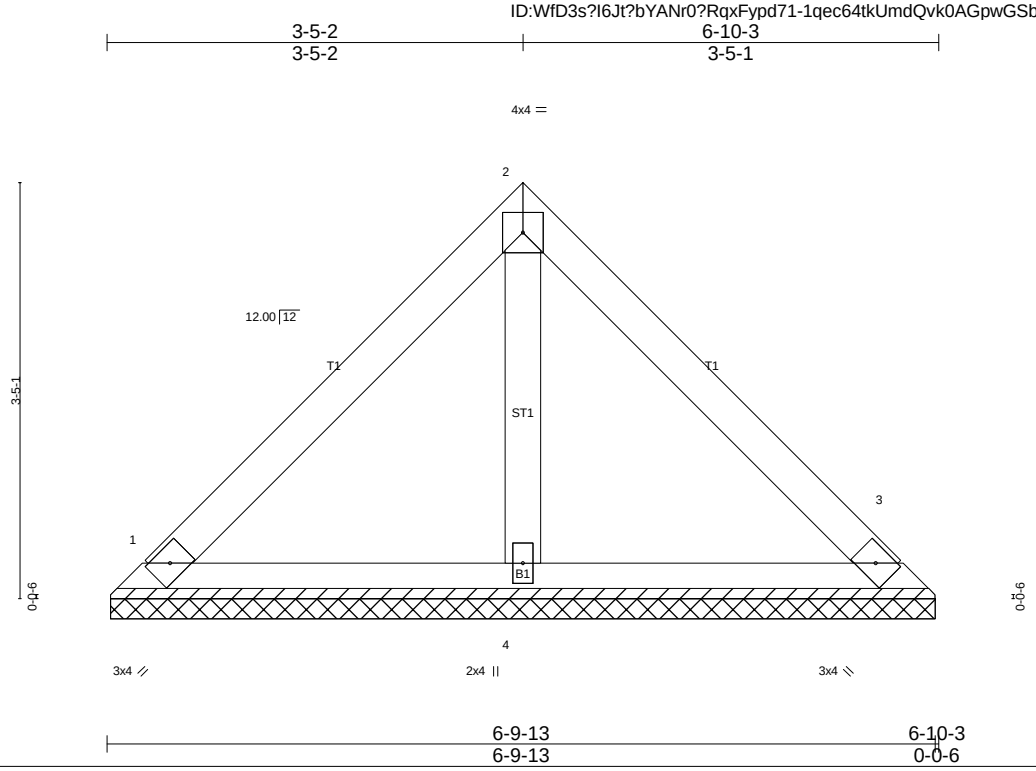
REACTIONS. (lb/size) 1=200/9-5-7, 3=200/9-5-7, 4=305/9-5-7
Max Horz 1=-106(LC 8)
Max Uplift1=-26(LC 13), 3=-26(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-176/87, 2-3=-165/87
BOT CHORD 1-4=-27/77, 3-4=-27/77
WEBS 2-4=-173/72

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 26 lb uplift at joint 1 and 26 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	Peyton & Amberly Home
250306-A	VG6	VALLEY	1	1	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	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	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 27 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=150/6-9-7, 3=150/6-9-7, 4=192/6-9-7
Max Horz 1=74(LC 9)
Max Uplift1=-27(LC 13), 3=-27(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-112/59, 2-3=-101/59
BOT CHORD 1-4=-21/50, 3-4=-21/50
WEBS 2-4=-115/48

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 27 lb uplift at joint 1 and 27 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	Peyton & Amberly Home
250306-A	VG7	VALLEY	1	1	Job Reference (optional)

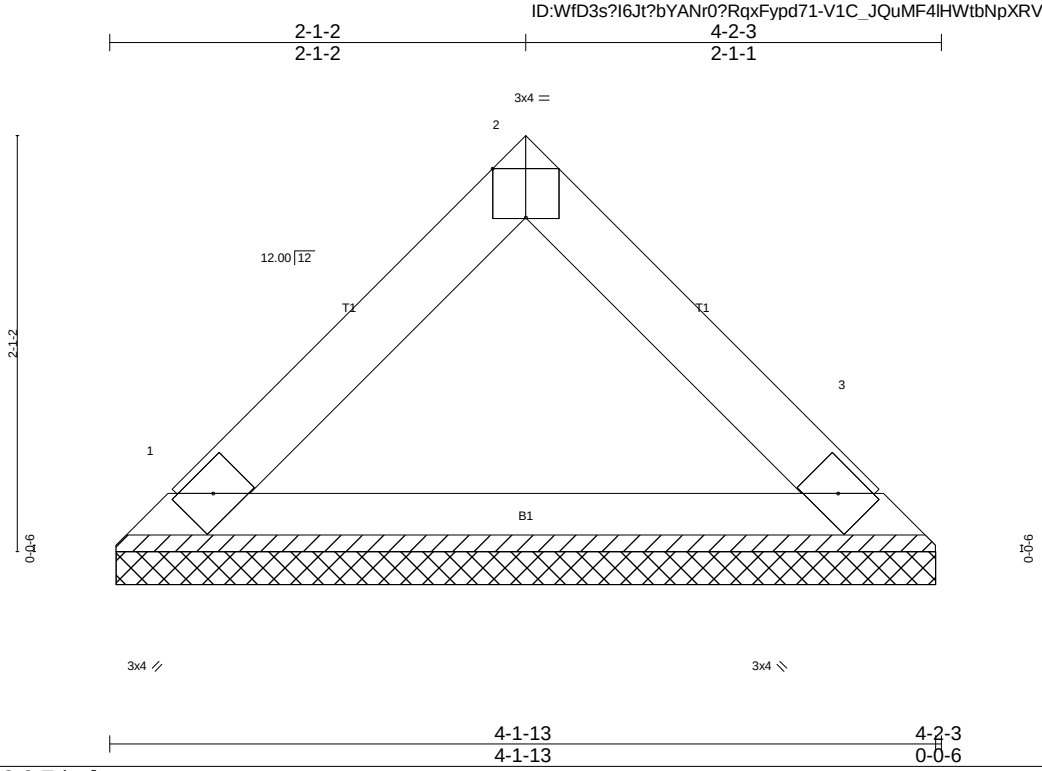


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 14 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-3 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=139/4-1-7, 3=139/4-1-7
Max Horz 1=-42(LC 8)
Max Uplift1=-5(LC 12), 3=-5(LC 12)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-103/55, 2-3=-103/55
BOT CHORD 1-3=-10/59

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 5 lb uplift at joint 1 and 5 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