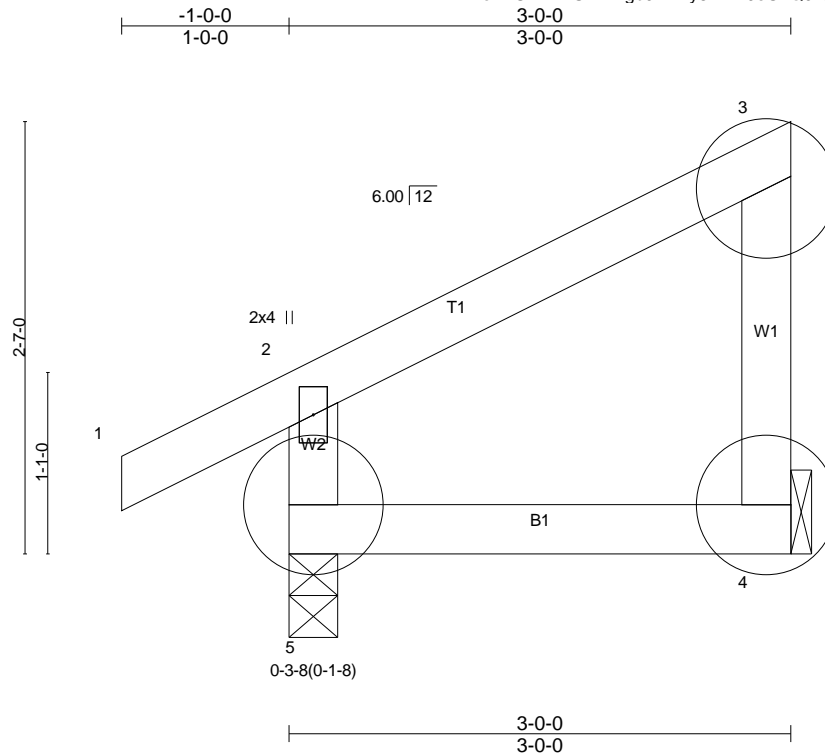


Job 18030341-MASTER M1	Truss	Truss Type MONO TRUSS	Qty 3	Ply 1	Cali
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84 Components, Dunn, NC 28334

Job Reference (optional)

8:300 s Jun 26 2019 MiTek Industries, Inc. Mon Dec 2 15:52:03 2019 Page 1
ID:2okNGRrr?KSPRIXgb91IA?y8hTY-9eG?Q0k818t3FmsztlyCVM20218IT5?tKYoVwWqYcZaa



Scale = 1:13.8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) -0.00 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.00 4 n/a n/a		
	Code IRC2015/TPI2014			Weight: 15 lb	FT = 20%

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

BRACING-
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
 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) 5=192/0-3-8 (min. 0-1-8), 4=94/Mechanical
 Max Horz 5=80(LC 9)
 Max Uplift 5=-22(LC 12), 4=-25(LC 9)

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

JOINT STRESS INDEX
 2 = 0.49, 3 = 0.35, 4 = 0.32 and 5 = 0.73

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCCL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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 100 lb uplift at joint(s) 5, 4.
 - 6) Following joints to be plated by qualified designer: Joint(s) 3, 4, 5, not plated.
 - 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.

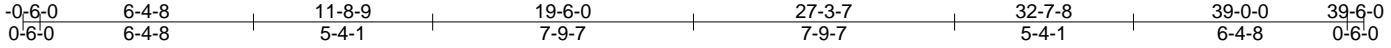
LOAD CASE(S) Standard

Job 18030341-MASTERT1	Truss COMMON	Truss Type COMMON	Qty 13	Ply 1	Cali
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84 Components, Dunn, NC 28334

Job Reference (optional)

8.300 s Jun 26 2019 MITek Industries, Inc. Mon Dec 2 15:52:06 2019 Page 1
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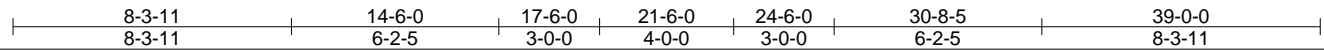
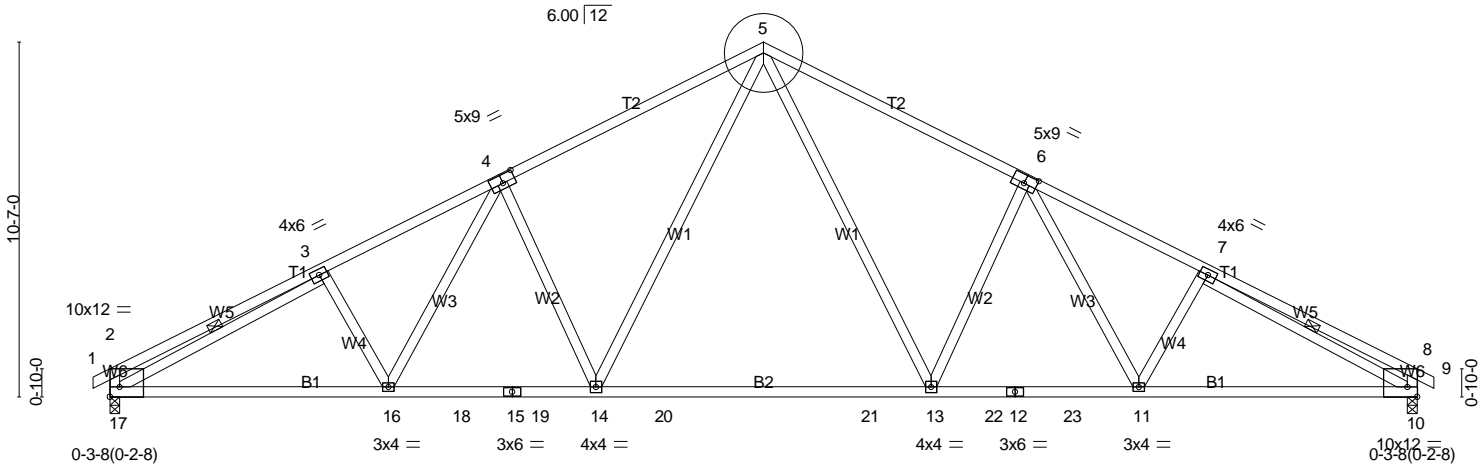


Plate Offsets (X, Y)-- [2:Edge,0-3-8], [2:0-1-12,0-0-14], [4:0-4-8,0-3-0], [6:0-4-8,0-3-0], [8:0-1-12,0-0-14], [10:Edge,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.94	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.80	Vert(LL) -0.37 13-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.57	Vert(CT) -0.69 13-14 >675 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.12 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 231 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied.
B2: 2x4 SP No.1	WEBS 1 Row at midpt 3-17, 7-10
WEBS 2x4 SP No.3	

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

REACTIONS. (lb/size) 17=1587/0-3-8 (min. 0-2-8), 10=1587/0-3-8 (min. 0-2-8)
Max Horz 17=126(LC 12)
Max Uplift 17=95(LC 12), 10=95(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=820/199, 3-4=2450/468, 4-5=2174/485, 5-6=2174/485, 6-7=2450/468, 7-8=820/199, 2-17=575/185, 8-10=575/185
BOT CHORD 16-17=307/2189, 16-18=219/2047, 15-18=219/2047, 15-19=219/2047, 14-19=219/2047, 14-20=70/1508, 20-21=70/1508, 13-21=70/1508, 13-22=219/2047, 12-22=219/2047, 12-23=219/2047, 11-23=219/2047, 10-11=306/2189
WEBS 5-13=125/842, 6-13=563/234, 6-11=43/284, 5-14=125/842, 4-14=563/234, 4-16=43/284, 3-17=1829/257, 7-10=1829/257

JOINT STRESS INDEX
2 = 0.83, 2 = 0.84, 3 = 0.61, 4 = 0.55, 5 = 0.00, 6 = 0.55, 7 = 0.61, 8 = 0.83, 10 = 0.84, 10 = 0.84, 11 = 0.39, 12 = 0.78, 13 = 0.46, 14 = 0.46, 15 = 0.78, 16 = 0.39 and 17 = 0.84

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 10.
 - 6) Following joints to be plated by qualified designer: Joint(s) 5, not plated.
 - 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 18030341-MASTERT1A	Truss ROOF TRUSS	Truss Type ROOF TRUSS	Qty 6	Ply 1	Cali
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84 Components, Dunn, NC 28334

8.300 s Jun 26 2019 MiTek Industries, Inc. Mon Dec 2 15:52:08 2019 Page 1

ID:2okNGRrr?KSPRIXgb91IA?y8htY-Vb3uTkoHsgVLLYkxgFYNCPIfo2dO8AacUqVGbdyCza5

0-6-0	6-4-8	11-8-9	17-6-0	19-6-0	21-6-0	27-3-7	32-7-8	39-0-0	39-6-0
0-6-0	6-4-8	5-4-1	5-9-7	2-0-0	2-0-0	5-9-7	5-4-1	6-4-8	0-6-0

Scale = 1:74.2

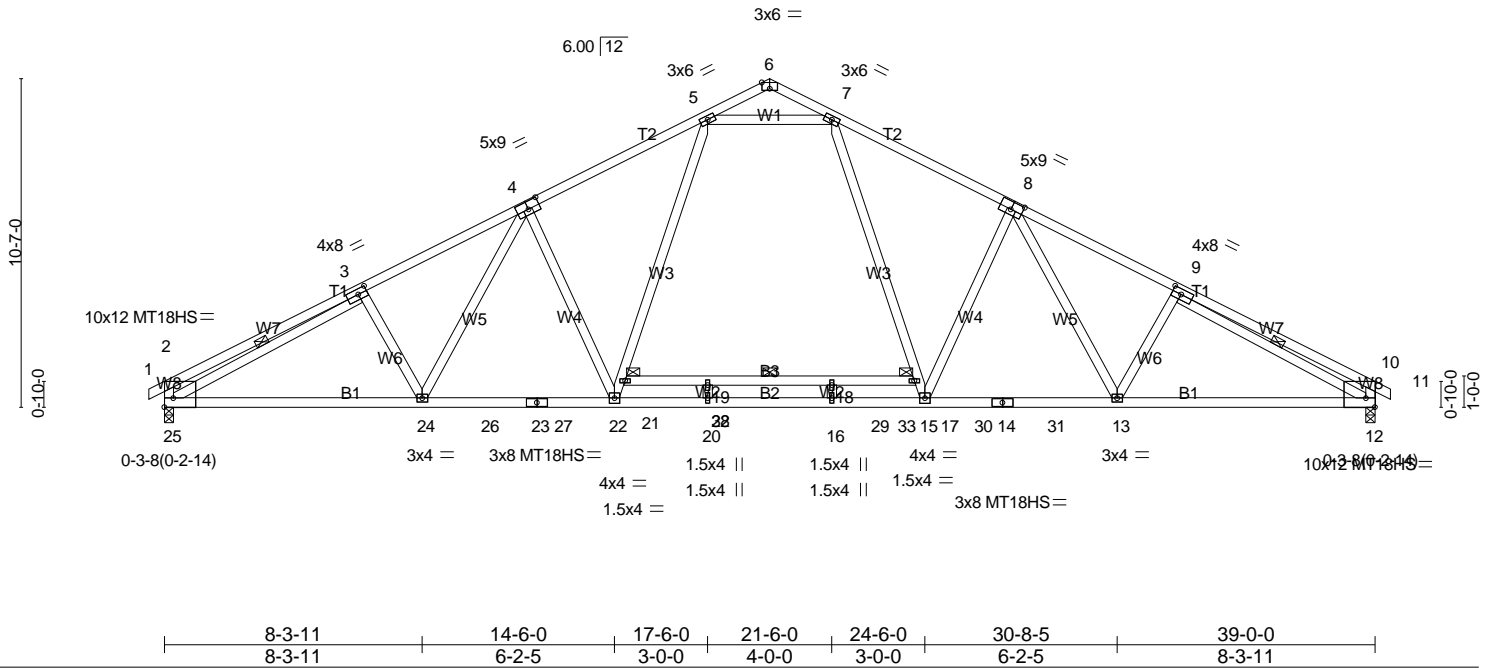


Plate Offsets (X,Y)--	[2:Edge,0-3-8], [2:0-1-12,0-0-14], [3:0-3-8,0-2-0], [4:0-4-8,0-3-0], [6:0-3-0,Edge], [8:0-4-8,0-3-0], [9:0-3-8,0-2-0], [10:0-1-12,0-0-14], [12:Edge,0-3-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.97	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.98	Vert(LL) -0.52 16-20 >886 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.81	Vert(CT) -1.06 16-20 >436 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.14 12 n/a n/a		
	Code IRC2015/TPI2014			Weight: 247 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
WEBS 2x4 SP No.3	6-0-0 oc bracing: 17-21
	WEBS 1 Row at midpt 3-25, 9-12

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

REACTIONS. (lb/size) 25=1758/0-3-8 (min. 0-2-14), 12=1758/0-3-8 (min. 0-2-14)
 Max Horz25=126(LC 16)
 Max Grav25=1835(LC 2), 12=1835(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-866/142, 3-4=-2994/219, 4-5=-2783/176, 7-8=-2783/176, 8-9=-2994/219, 9-10=-866/142,
 2-25=-594/155, 10-12=-594/155
 BOT CHORD 24-25=95/2652, 24-26=0/2568, 23-26=0/2568, 23-27=0/2568, 22-27=0/2568, 22-28=0/2172,
 20-28=0/2172, 16-20=0/2172, 16-29=0/2172, 15-29=0/2172, 15-30=0/2568, 14-30=0/2568, 14-31=0/2568,
 13-31=0/2568, 12-13=-93/2652
 WEBS 7-17=0/1064, 15-17=-12/908, 8-15=-552/249, 8-13=-107/257, 21-22=-12/908, 5-21=0/1064,
 4-22=-552/249, 4-24=-107/257, 3-25=-2285/66, 9-12=-2285/66, 5-7=-2090/264

JOINT STRESS INDEX
 2 = 0.52, 2 = 0.56, 3 = 0.78, 4 = 0.52, 5 = 0.75, 6 = 0.13, 7 = 0.75, 8 = 0.52, 9 = 0.78, 10 = 0.52, 12 = 0.56, 12 = 0.56, 13 = 0.39, 14 = 0.68, 15 = 0.52, 16 = 0.37, 17 = 0.37, 18 = 0.37, 19 = 0.37, 20 = 0.37,
 21 = 0.37, 22 = 0.52, 23 = 0.68, 24 = 0.39 and 25 = 0.56

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 150.0lb AC unit load placed on the bottom chord, 19-6-0 from left end, supported at two points, 4-0-0 apart.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 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.
 - 9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

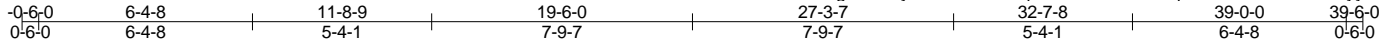
LOAD CASE(S) Standard

Job 18030341-MASTERT1GE	Truss 1	Truss Type GABLE	Qty 1	Ply 1	Cali
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84 Components, Dunn, NC 28334

8.300 s Jun 26 2019 MITek Industries, Inc. Mon Dec 2 15:52:11 2019 Page 1

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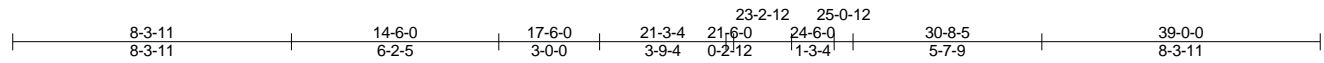
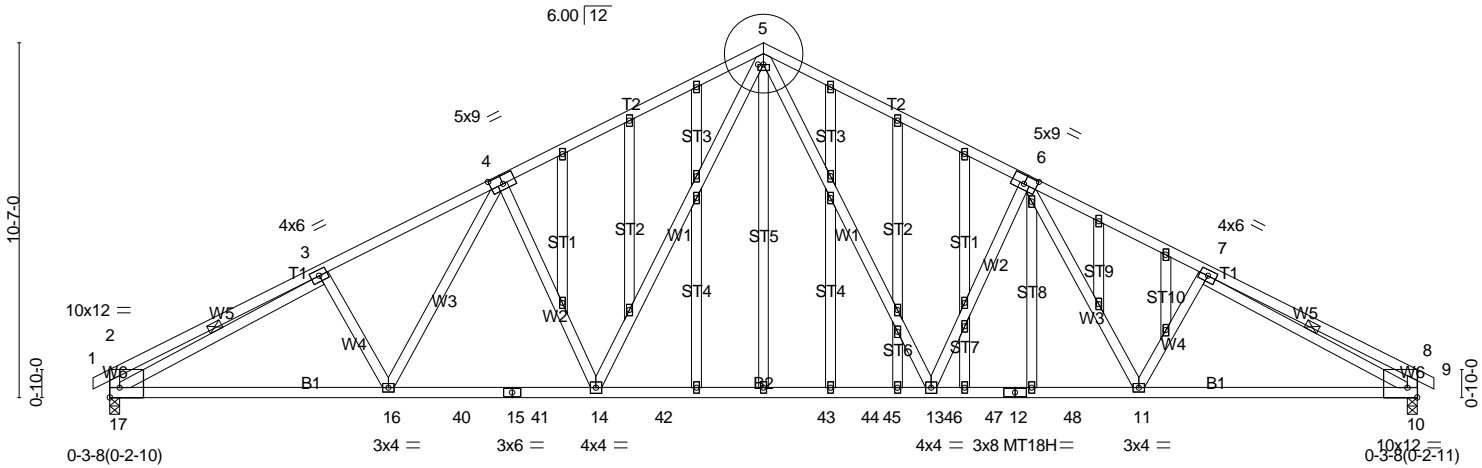


Plate Offsets (X, Y)-- [2:Edge,0-3-8], [2:0-1-12,0-0-14], [4:0-4-8,0-0-3-0], [5:0-2-0,0-0-0], [6:0-4-8,0-0-3-0], [8:0-1-12,0-0-14], [10:Edge,0-3-8]

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 0.99	Vert(LL)	-0.44	13-14	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.99	Vert(CT)	-0.83	13-14	>559	MT18H	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.13	10	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS						
								Weight: 327 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied.
B2: 2x4 SP No.1	WEBS 1 Row at midht 3-17, 7-10
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

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

REACTIONS. (lb/size) 17=1677/0-3-8 (min. 0-2-10), 10=1719/0-3-8 (min. 0-2-11)
 Max Horz 17=126(LC 39)
 Max Uplift 17=-141(LC 12), 10=-162(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-851/215, 3-4=-2610/554, 4-5=-2338/583, 5-6=-2416/630, 6-7=-2690/595, 7-8=-866/222, 2-17=-590/193, 8-10=-597/196
 BOT CHORD 16-17=-382/2335, 16-40=-304/2188, 15-40=-304/2188, 15-41=-304/2188, 14-41=-304/2188, 14-42=-152/1645, 42-43=-152/1645, 43-44=-152/1645, 44-45=-152/1645, 13-45=-152/1645, 13-46=-343/2255, 46-47=-343/2255, 12-47=-343/2255, 12-48=-343/2255, 11-48=-343/2255, 10-11=-415/2404
 WEBS 5-13=-233/1023, 6-13=-538/250, 6-11=-72/255, 5-14=-138/864, 4-14=-546/245, 4-16=-62/262, 3-17=-1947/328, 7-10=-2003/361

JOINT STRESS INDEX
 2 = 0.85, 2 = 0.88, 3 = 0.65, 4 = 0.58, 5 = 0.00, 5 = 0.55, 6 = 0.57, 6 = 0.27, 7 = 0.67, 8 = 0.87, 10 = 0.89, 10 = 0.89, 11 = 0.39, 12 = 0.42, 13 = 0.56, 14 = 0.47, 15 = 0.84, 16 = 0.39, 17 = 0.88, 18 = 0.27, 19 = 0.27, 19 = 0.27, 20 = 0.27, 21 = 0.27, 22 = 0.27, 23 = 0.27, 24 = 0.27, 25 = 0.27, 26 = 0.27, 27 = 0.27, 28 = 0.27, 28 = 0.27, 29 = 0.27, 30 = 0.27, 31 = 0.27, 31 = 0.27, 32 = 0.27, 33 = 0.27, 34 = 0.27, 34 = 0.27, 35 = 0.27, 36 = 0.27, 37 = 0.27, 38 = 0.27 and 39 = 0.27

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 17=141, 10=162.
 - Following joints to be plated by qualified designer: Joint(s) 5, not plated.
 - 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.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 74 lb down and 45 lb up at 21-3-4, and 74 lb down and 45 lb up at 23-2-12, and 74 lb down and 45 lb up at 25-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 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 18030341-MASTER	Truss T1GE	Truss Type GABLE	Qty 1	Ply 1	Cali
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84 Components, Dunn, NC 28334

Job Reference (optional)

8.300 s Jun 26 2019 MiTek Industries, Inc. Mon Dec 2 15:52:11 2019 Page 2
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LOAD CASE(S) Standard

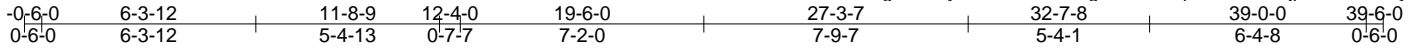
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-60, 2-5=-60, 5-8=-60, 8-9=-60, 10-17=-20

Concentrated Loads (lb)

Vert: 43=-74(F) 45=-74(F) 46=-74(F)



Scale = 1:67.8

6-3-12	12-4-0	14-6-0	24-6-0	30-8-5	39-0-0
6-3-12	6-0-4	2-2-0	10-0-0	6-2-5	8-3-11

Plate Offsets (X,Y)-- [4:0-4-8,0-3-0], [6:0-4-8,0-3-0], [8:0-1-12,0-0-14], [10:Edge,0-3-8], [15:0-5-0,0-2-4], [16:0-4-0,0-3-10], [17:0-2-12,0-0-10], [17:0-3-8,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.94	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.97	Vert(LL) -0.40 13-14 >999 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.72	Vert(CT) -0.77 13-14 >604 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.22 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 238 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied.
B3,B4: 2x4 SP No.1	WEBS 1 Row at midpt 3-15, 7-10
WEBS 2x4 SP No.3 *Except*	
W10: 2x6 SP No.2, W9: 2x4 SP No.2	

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

REACTIONS. (lb/size) 17=1589/0-3-8 (min. 0-2-8), 10=1584/0-3-8 (min. 0-2-8)
 Max Horz 17=-125(LC 17)
 Max Uplift 17=-96(LC 12), 10=-95(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-4164/623, 3-4=-2254/441, 4-5=-2101/482, 5-6=-2123/484, 6-7=-2433/467, 7-8=-825/201, 2-17=-1680/339, 8-10=-577/186
 BOT CHORD 16-17=-243/746, 15-16=-484/3645, 14-15=-219/2001, 14-18=-68/1464, 18-19=-68/1464, 13-19=-68/1464, 13-20=-218/2003, 12-20=-218/2003, 12-21=-218/2003, 11-21=-218/2003, 10-11=-305/2184
 WEBS 3-16=-120/1568, 3-15=-1828/293, 4-14=-561/239, 5-14=-121/785, 5-13=-127/840, 6-13=-563/233, 6-11=-42/285, 2-16=-309/2952, 7-10=-1783/254

JOINT STRESS INDEX
 2 = 0.91, 3 = 0.57, 4 = 0.58, 5 = 0.76, 6 = 0.55, 7 = 0.60, 8 = 0.82, 10 = 0.85, 10 = 0.85, 11 = 0.39, 12 = 0.77, 13 = 0.46, 14 = 0.60, 15 = 0.52, 16 = 0.79, 17 = 0.55 and 17 = 0.91

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 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) 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 18030341-MASTERT1VGE	Truss 11-8-9	Truss Type GABLE	Qty 1	Ply 1	Cali
84 Components, Dunn, NC 28334		Job Reference (optional)			

8.300 s Jun 26 2019 MiTek Industries, Inc. Mon Dec 2 15:52:16 2019 Page 1
ID:2okNGRrr?KSPRIXgb91IA?y8hTY-G8Yv8Tulz8WDJmLT8xhFX54FMHaM0yInJ4SisAyCzzZ

-0-6-0	11-8-9	19-6-0	39-0-0	39-6-0
0-6-0	11-8-9	7-9-7	19-6-0	0-6-0

Scale = 1:68.6

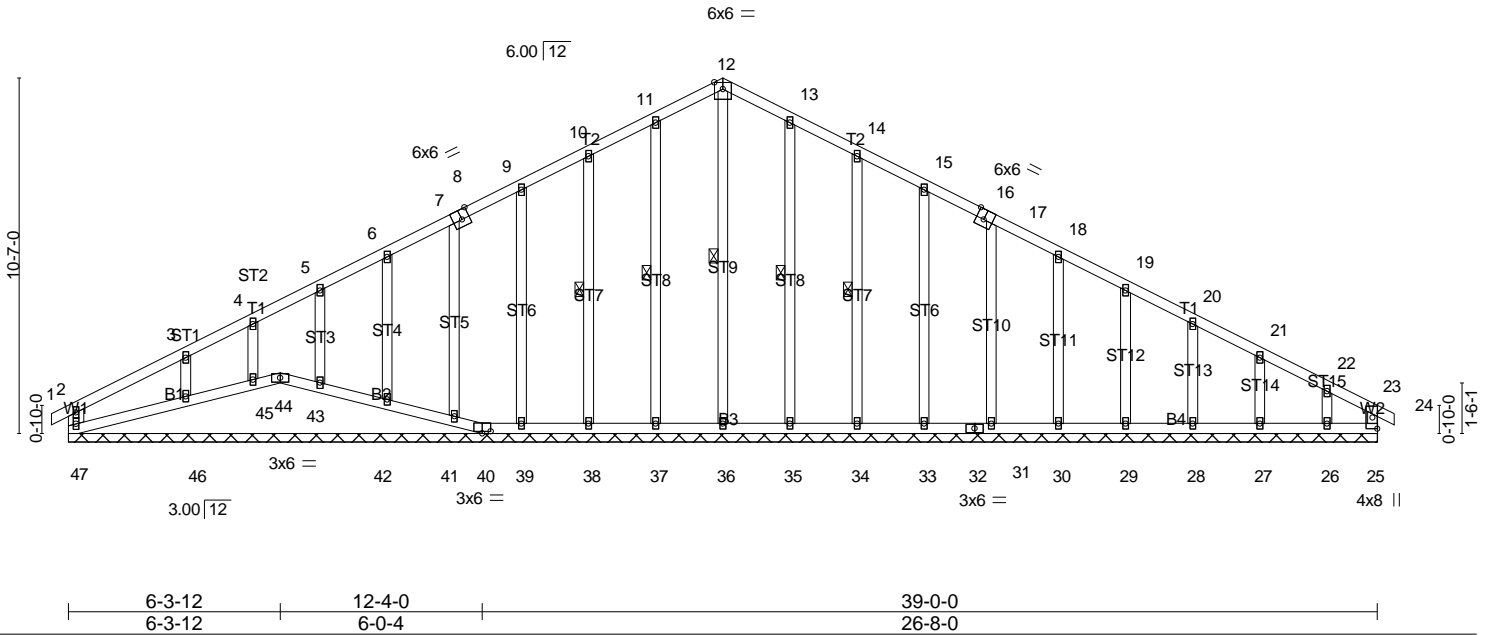


Plate Offsets (X,Y)--	[7:0-1-15,0-0-0], [8:0-2-12,Edge], [8:0-0-0-1-12], [16:0-2-12,Edge], [16:0-0-0-1-12], [17:0-1-15,0-0-0], [23:0-0-14,0-1-12], [25:0-0-0-1-12], [40:0-3-0-0-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) -0.00 23 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Vert(CT) 0.00 23 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.01 25 n/a n/a		
	Code IRC2015/TPI2014			Weight: 269 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x6 SP No.2 *Except*	WEBS 1 Row at midpt 12-36, 11-37, 10-38, 13-35, 14-34
OTHERS 2x4 SP No.3	

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

REACTIONS. All bearings 39-0-0.
(lb) - Max Horz 47=125(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 47, 44, 40, 25, 37, 38, 39, 41, 42, 43, 45, 35, 34, 33, 31, 30, 29, 28, 27, 26 except 46=102(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 47, 44, 40, 25, 36, 37, 38, 39, 41, 42, 43, 45, 46, 35, 34, 33, 31, 30, 29, 28, 27, 26

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=120/273, 11-12=133/309, 12-13=133/309, 13-14=120/273

JOINT STRESS INDEX
2 = 0.37, 3 = 0.27, 4 = 0.27, 5 = 0.27, 6 = 0.27, 7 = 0.29, 8 = 0.11, 8 = 0.29, 9 = 0.27, 10 = 0.27, 11 = 0.27, 12 = 0.12, 13 = 0.27, 14 = 0.27, 15 = 0.27, 16 = 0.11, 16 = 0.29, 17 = 0.29, 18 = 0.27, 19 = 0.27, 20 = 0.27, 21 = 0.27, 22 = 0.27, 23 = 0.16, 25 = 0.15, 25 = 0.16, 26 = 0.27, 27 = 0.27, 28 = 0.27, 29 = 0.27, 30 = 0.27, 31 = 0.27, 32 = 0.12, 33 = 0.27, 34 = 0.27, 35 = 0.27, 36 = 0.27, 37 = 0.27, 38 = 0.27, 39 = 0.27, 40 = 0.13, 41 = 0.27, 42 = 0.27, 43 = 0.27, 44 = 0.14, 45 = 0.27, 46 = 0.27 and 47 = 0.33

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 47, 44, 40, 25, 37, 38, 39, 41, 42, 43, 45, 35, 34, 33, 31, 30, 29, 28, 27, 26 except (j=lb) 46=102.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 44, 41, 42, 43, 45, 46.
 - 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.

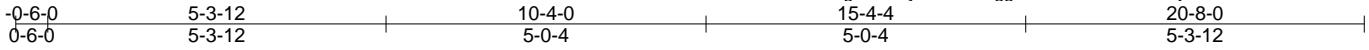
LOAD CASE(S) Standard

Job 18030341-MASTERT2	Truss Common	Truss Type Common	Qty 1	Ply 1	Cali
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84 Components, Dunn, NC 28334

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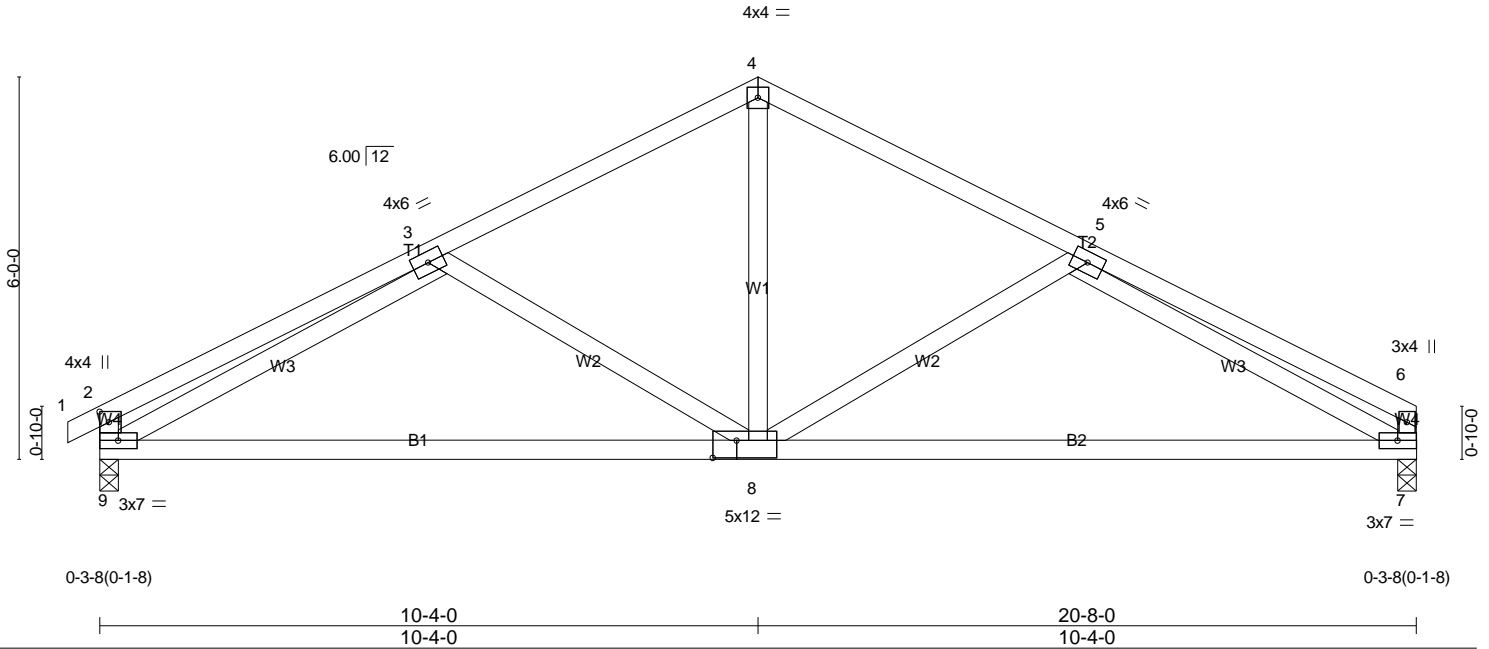


Plate Offsets (X,Y)-- [2-0-2-0,0-1-12], [8-0-4-8,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.55	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.76	Vert(LL) -0.19 8-9 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.60	Vert(CT) -0.38 8-9 >644 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 7 n/a n/a		
	Code IRC2015/TPI2014			Weight: 110 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-7-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 9=854/0-3-8 (min. 0-1-8), 7=814/0-3-8 (min. 0-1-8)
 Max Horz 9=76(LC 9)
 Max Uplift 9=54(LC 12), 7=44(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=444/92, 3-4=944/187, 4-5=945/187, 5-6=377/50, 2-9=356/116, 6-7=276/69
 BOT CHORD 8-9=175/996, 7-8=175/1002
 WEBS 4-8=43/530, 5-8=290/179, 3-8=284/177, 3-9=775/175, 5-7=850/218

JOINT STRESS INDEX
 2 = 0.49, 3 = 0.25, 4 = 0.52, 5 = 0.25, 6 = 0.50, 7 = 0.58, 8 = 0.78 and 9 = 0.58

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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 18030341-MASTERT2GE	Truss T2GE	Truss Type Common	Qty 1	Ply 1	Cali
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84 Components, Dunn, NC 28334

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0-6-0	10-4-0	20-8-0	21-2-0
0-6-0	10-4-0	10-4-0	0-6-0

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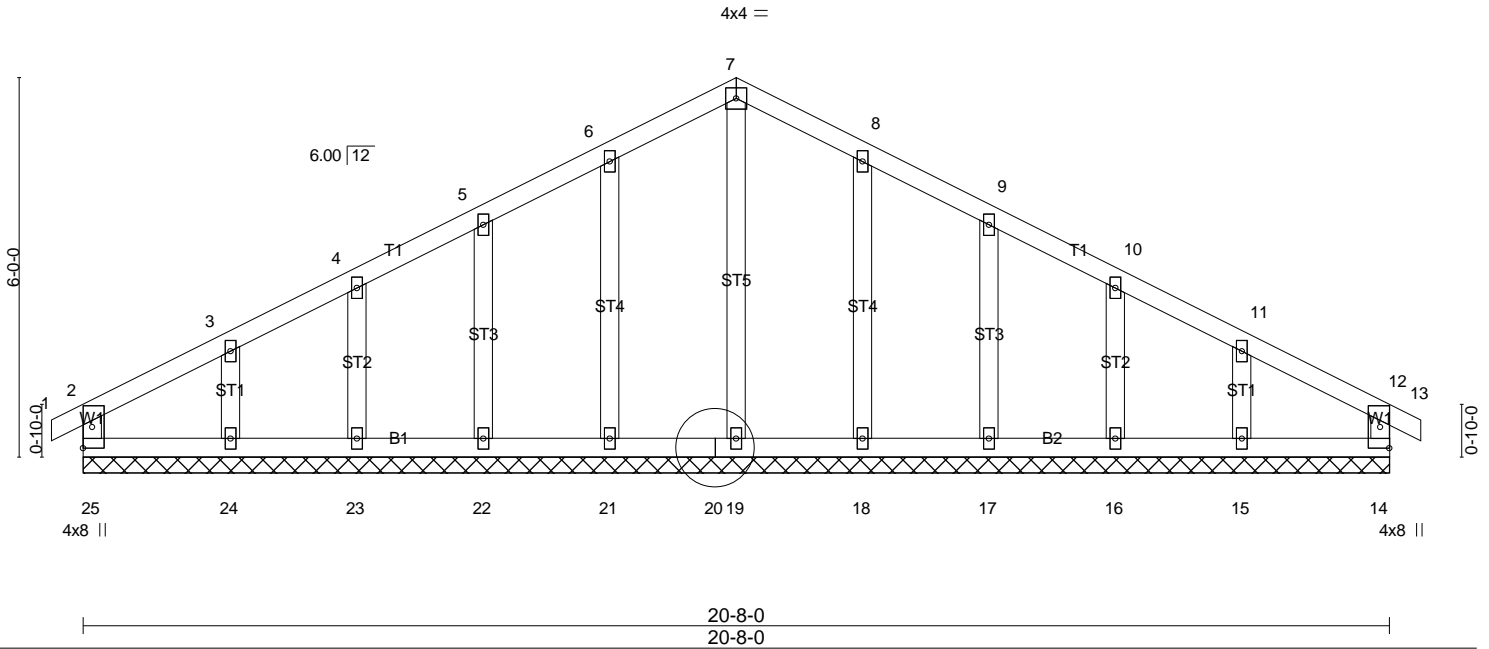


Plate Offsets (X,Y)-- [2:0-0-14,0-1-12], [12:0-0-14,0-1-12], [14:0-0-0,0-1-12], [25:0-0-0,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.05	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) 0.00 12 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) 0.00 12 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 14 n/a n/a		
	Code IRC2015/TPI2014			Weight: 111 lb	FT = 20%

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

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

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

REACTIONS. All bearings 20-8-0.
 (lb) - Max Horz 25=75(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 25, 14, 21, 22, 23, 24, 18, 17, 16, 15
 Max Grav All reactions 250 lb or less at joint(s) 25, 14, 19, 21, 22, 23, 24, 18, 17, 16, 15

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

JOINT STRESS INDEX

2 = 0.11, 3 = 0.27, 4 = 0.27, 5 = 0.27, 6 = 0.27, 7 = 0.22, 8 = 0.27, 9 = 0.27, 10 = 0.27, 11 = 0.27, 12 = 0.11, 14 = 0.15, 14 = 0.15, 15 = 0.27, 16 = 0.27, 17 = 0.27, 18 = 0.27, 19 = 0.27, 20 = 0.18, 21 = 0.27, 22 = 0.27, 23 = 0.27, 24 = 0.27, 25 = 0.15 and 25 = 0.15

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 14, 21, 22, 23, 24, 18, 17, 16, 15.
- Following joints to be plated by qualified designer: Joint(s) 20, not plated.
- 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 18030341-MASTER3	Truss	Truss Type Common	Qty 1	Ply 1	Cali
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8.300 s Jun 26 2019 MiTek Industries, Inc. Mon Dec 2 15:52:22 2019 Page 1
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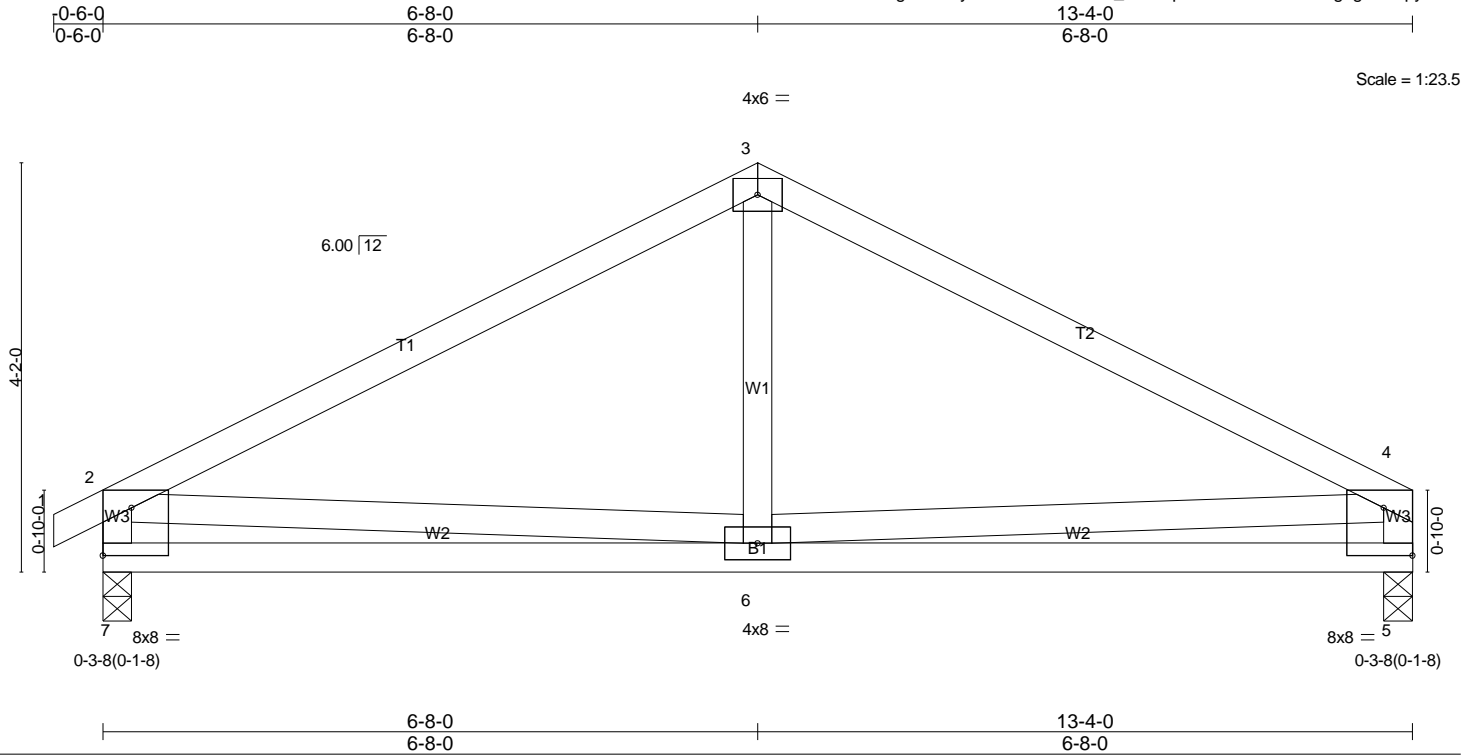


Plate Offsets (X,Y)-- [5:Edge,0-5-13], [5:0-1-12,0-0-0], [7:0-1-12,0-0-0], [7:Edge,0-5-13]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	Vert(LL) -0.04	6-7	>999	240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.40	Vert(CT) -0.08	6-7	>999	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.10	Horz(CT) 0.01	5	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 68 lb	FT = 20%
	Code IRC2015/TPI2014							

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 7=561/0-3-8 (min. 0-1-8), 5=521/0-3-8 (min. 0-1-8)
Max Horz 7=57(LC 11)
Max Uplift 7=-38(LC 12), 5=-28(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=646/135, 3-4=641/132, 2-7=504/165, 4-5=463/135
BOT CHORD 6-7=-192/415, 5-6=-103/291
WEBS 3-6=0/262

JOINT STRESS INDEX
2 = 0.58, 3 = 0.48, 4 = 0.37, 5 = 0.26, 5 = 0.37, 6 = 0.13, 7 = 0.27 and 7 = 0.58

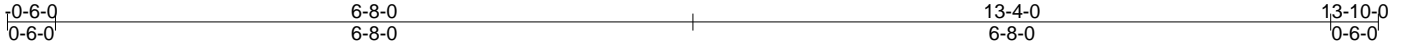
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.
 - 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 18030341-MASTER T3GE	Truss Common	Truss Type Common	Qty 1	Ply 1	Cali
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8,300 s Jun 26 2019 MiTek Industries, Inc. Mon Dec 2 15:52:24 2019 Page 1
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Scale: 1/2"=1'

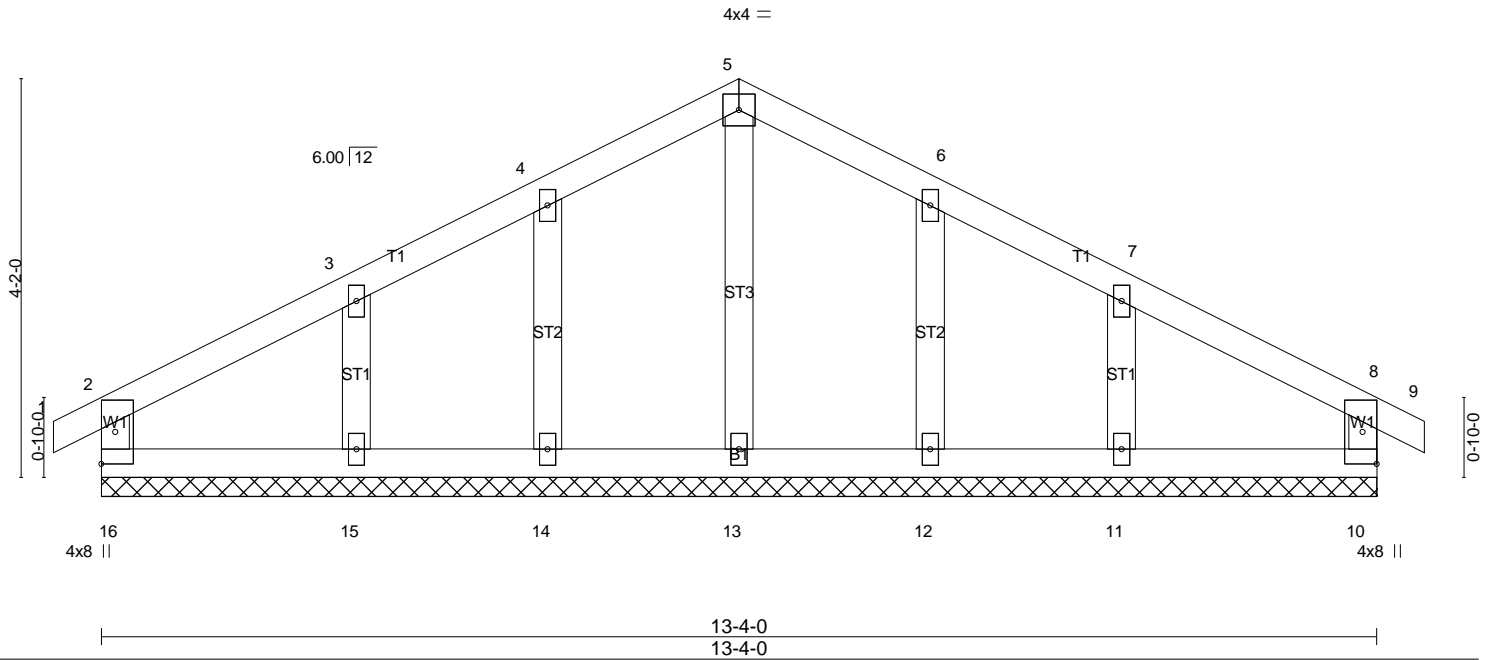


Plate Offsets (X, Y)-- [2:0-0-14,0-1-12], [8:0-0-14,0-1-12], [10:0-0-0,0-1-12], [16:0-0-0,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.05	Vert(LL) 0.00 8 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Vert(CT) 0.00 9 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 63 lb	FT = 20%

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

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

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

REACTIONS. All bearings 13-4-0.
 (lb) - Max Horz 16=56(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 14, 15, 12, 11
 Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 14, 15, 12, 11

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

JOINT STRESS INDEX

2 = 0.07, 3 = 0.05, 4 = 0.05, 5 = 0.08, 6 = 0.05, 7 = 0.05, 8 = 0.06, 10 = 0.05, 10 = 0.06, 11 = 0.05, 12 = 0.04, 13 = 0.03, 14 = 0.04, 15 = 0.05, 16 = 0.06 and 16 = 0.07

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10, 14, 15, 12, 11.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard