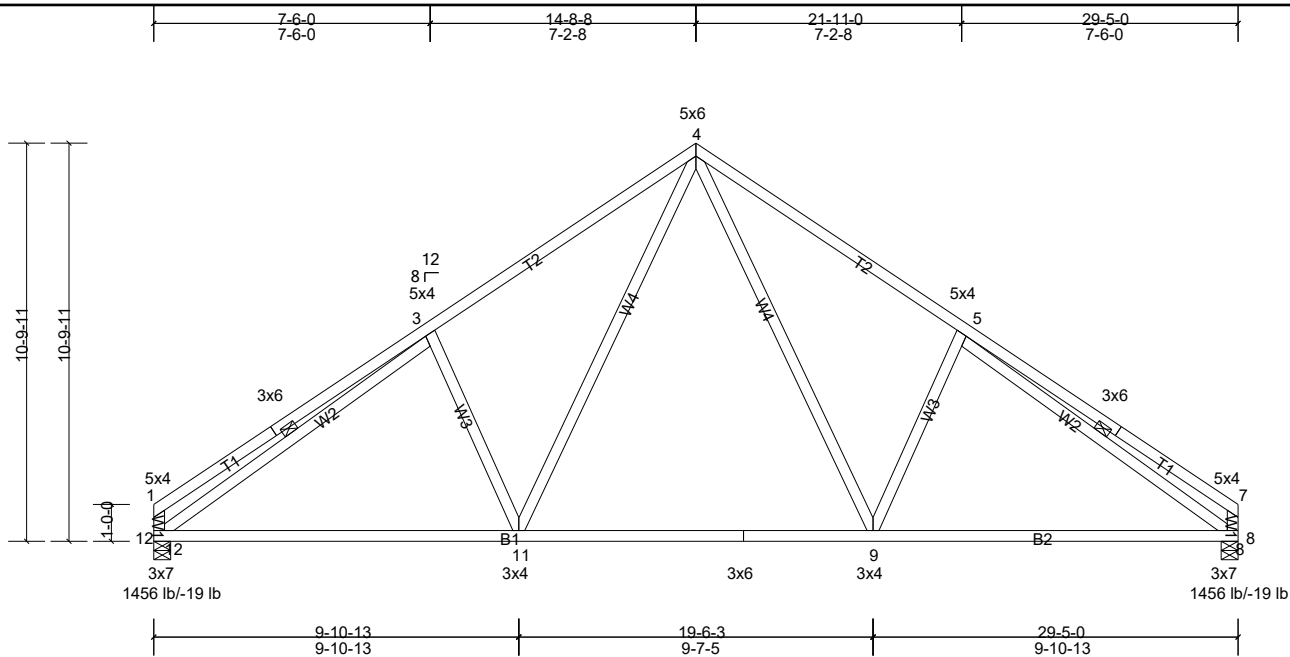


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A1	Truss	4	1	



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A2	Truss	2	1	

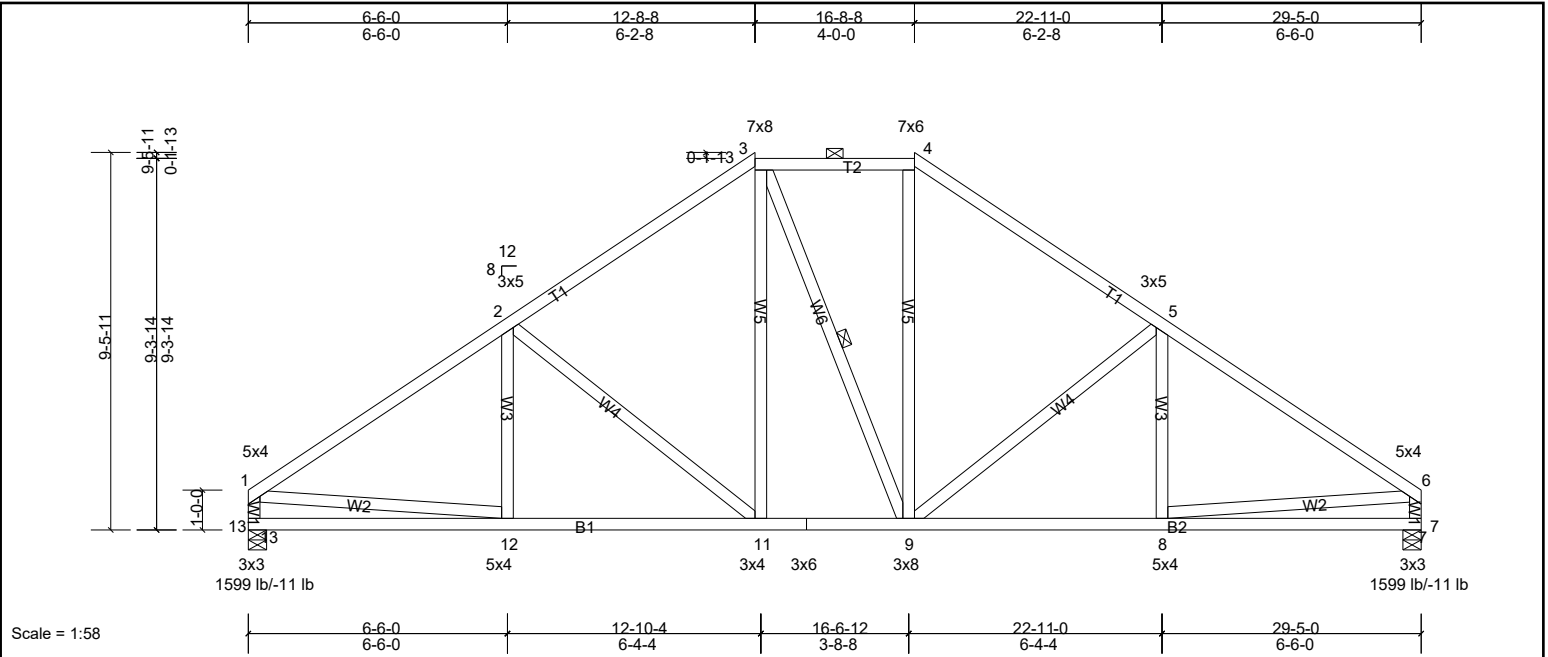


Plate Offsets (X, Y): [1:0-2-8,0-3-4], [3:0-2-12,Edge], [4:0-3-5,Edge], [6:0-2-8,0-3-4]															
Loading		(psf)	Spacing		2-0-0	CSI	DEFL		in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)		30.0	Plate Grip DOL		1.15	TC	0.92	Vert(LL)	-0.09	11-12	>999	240	MT20	244/190	
Snow (Ps/Pg)		19.3/25.0	Lumber DOL		1.15	BC	0.52	Vert(CT)	-0.16	11-12	>999	180			
TCDL		10.0	Rep Stress Incr		YES	WB	0.75	Horz(CT)	0.05	7	n/a	n/a			
BCLL		0.0 *	Code		IRC2015/TPI2014	Matrix-MSH									
BCDL		10.0												Weight: 193 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end
BOT CHORD	2x4 SP No.2		verticals, and 2-0-0 oc purlins (4-11-8 max.): 3-4.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size)	WEBS	1 Row at midpt
	7=1143/0-5-8, (min. 0-1-14), 13=1143/0-5-8, (min. 0-1-14)		3-9
	Max Horiz 13=-183 (LC 10)		
	Max Uplift 7=-11 (LC 15), 13=-11 (LC 14)		
	Max Grav 7=1599 (LC 36), 13=1599 (LC 36)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-14=-2174/100, 2-14=-2050/131, 2-15=-1683/148, 15-16=-1476/182, 3-16=-1325/184, 3-4=-1244/189, 4-17=-1326/184, 17-18=-1478/182, 5-18=-1684/148, 5-19=-2049/131, 6-19=-2173/100, 1-13=-1535/104, 6-7=-1535/104		
BOT CHORD	12-13=-165/378, 11-12=-49/1705, 10-11=0/1243, 9-10=0/1243, 8-9=-17/1705, 7-8=-39/275		
WEBS	2-11=-599/134, 3-11=-26/467, 4-9=-11/468, 5-9=-597/134, 1-12=0/1442, 6-8=0/1440		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 13 and 11 lb uplift at joint 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.
 - 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
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (lb/ft)	
Vert: 1-3=-59, 3-4=-59, 4-6=-58, 7-13=-20	

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A3	Truss	2	1	

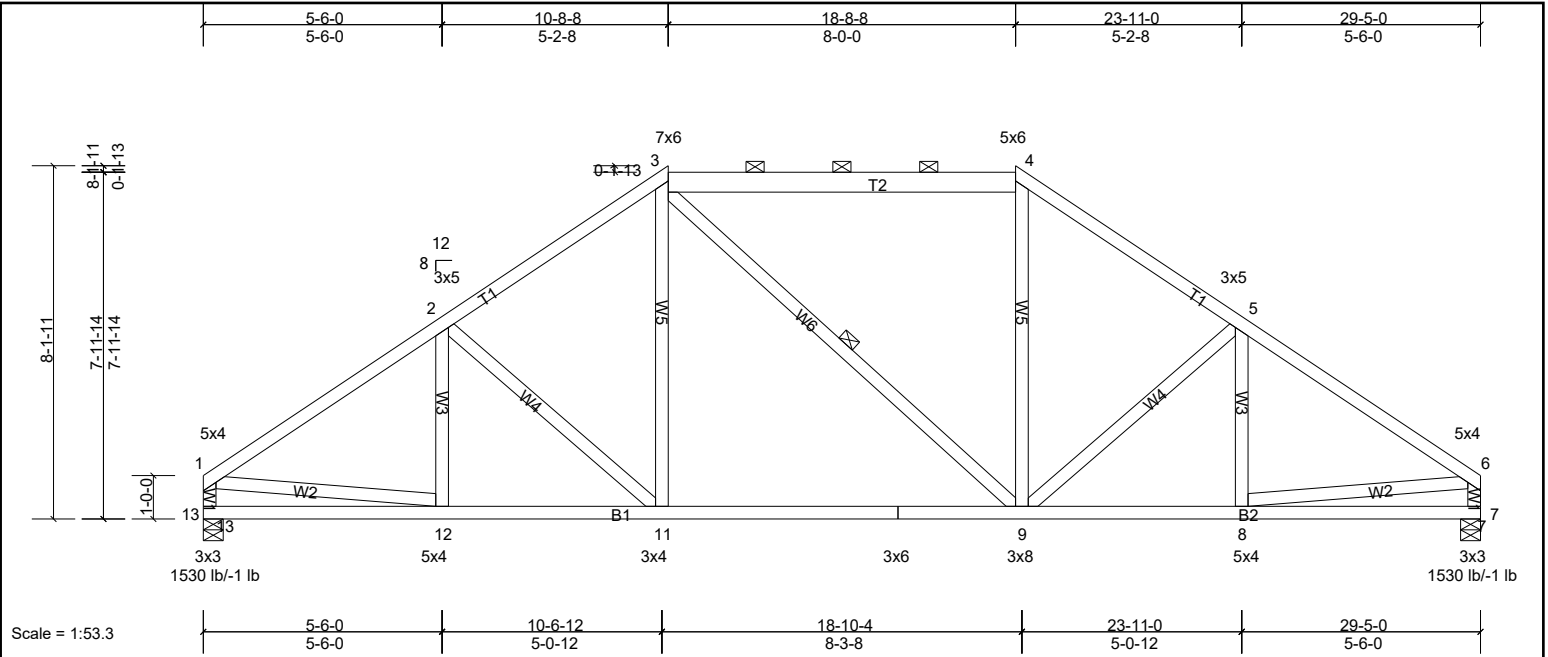


Plate Offsets (X, Y):		[1:0-1-4, 0-2-0], [6:0-1-4, 0-2-0]	
Loading	(psf)	Spacing	2-0-0
TCLL (roof)	30.0	Plate Grip DOL	1.15
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15
TCDL	10.0	Rep Stress Incr	YES
BCLL	0.0 *	Code	IRC2015/TPI2014
BCDL	10.0		
		CSI	TC 0.94
		BC 0.71	WB 0.55
		Matrix-MSH	
		DEFL	in (loc) l/defl L/d
		Vert(LL)	-0.14 9-11 >999 240
		Vert(CT)	-0.28 9-11 >999 180
		Horz(CT)	0.05 7 n/a n/a
		PLATES	MT20
		GRIP	244/190
		Weight: 187 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T2:2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-4-0 oc purlins, except end
BOT CHORD	2x4 SP No.2		verticals, and 2-0-0 oc purlins (2-2-0 max.): 3-4.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size) 7=1143/0-5-8, (min. 0-1-13), 13=1143/0-5-8, (min. 0-1-13)	WEBS	1 Row at midpt 3-9
	Max Horiz 13=157 (LC 11)		
	Max Uplift 7=-1 (LC 15), 13=-1 (LC 14)		
	Max Grav 7=1530 (LC 36), 13=1530 (LC 36)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-14=-1994/116, 2-14=-1716/136, 2-3=-1674/178, 3-15=-1297/180, 15-16=-1297/180, 4-16=-1297/180, 4-5=-1674/178, 5-17=-1715/136, 6-17=-1994/116, 1-13=-1470/106, 6-7=-1470/106		
BOT CHORD	12-13=-140/329, 11-12=-32/1543, 11-18=0/1296, 10-18=0/1296, 9-10=0/1296, 8-9=-32/1543		
WEBS	2-11=-428/123, 3-11=0/518, 4-9=0/447, 5-9=-427/123, 1-12=-19/1321, 6-8=-19/1320		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 13 and 1 lb uplift at joint 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.
 - 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

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

Uniform Loads (lb/ft)

Vert: 1-3=-59, 3-4=-59, 4-6=-59, 7-13=-20

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A4	Truss	2	1	

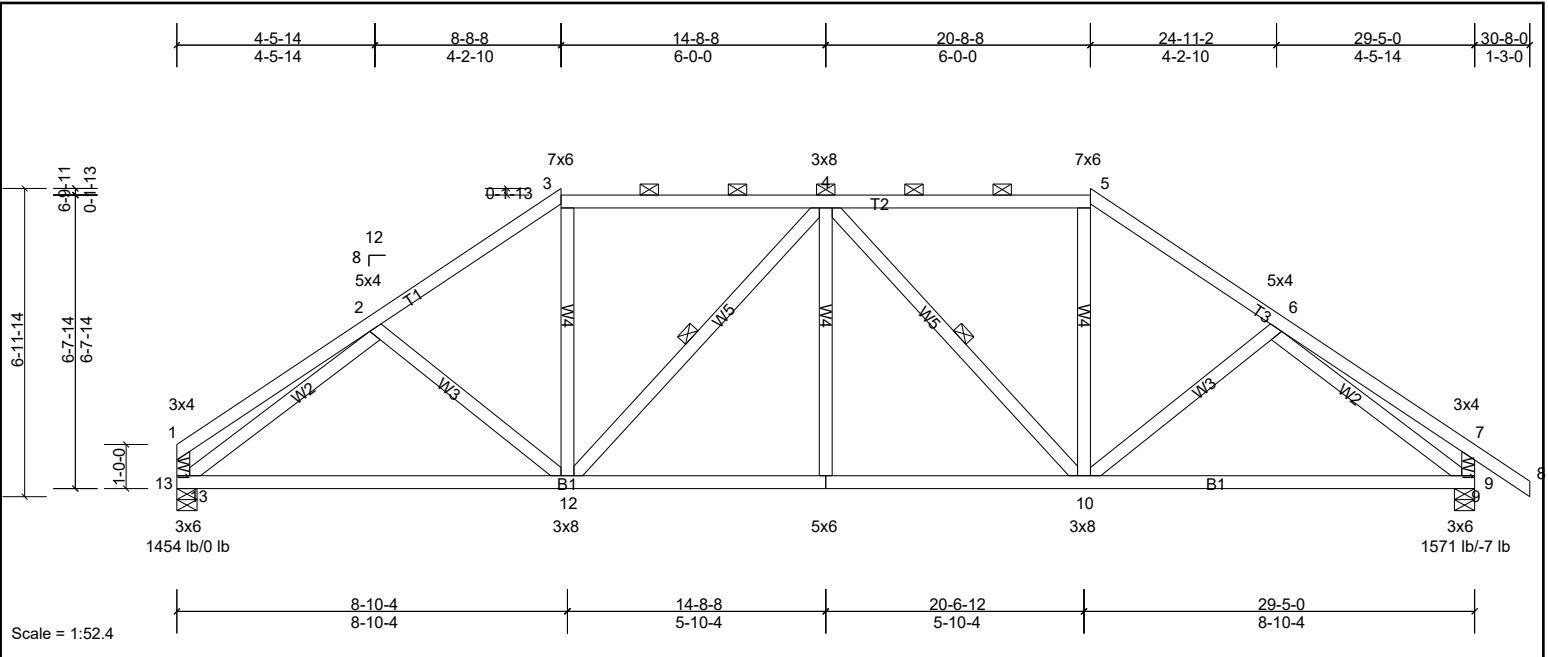


Plate Offsets (X, Y): [3:0-3-5,Edge], [5:0-3-5,Edge], [11:0-3-0,0-3-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.15	9-10	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.31	9-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.07	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 181 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-1-6 oc purlins, except end
BOT CHORD	2x4 SP No.2		verticals, and 2-0-0 oc purlins (2-2-0 max.): 3-5.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size)	WEBS	1 Row at midpt
	9=1227/0-5-8, (min. 0-1-14), 13=1141/0-5-8, (min. 0-1-11)		4-12, 4-10
	Max Horiz 13=-143 (LC 10)		
	Max Uplift 9=-7 (LC 15)		
	Max Grav 9=1571 (LC 2), 13=1454 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-14=-395/25, 2-14=-280/41, 2-3=-1765/166, 3-15=-1412/164, 4-15=-1414/164, 4-16=-1409/163, 5-16=-1407/163, 5-6=-1757/164, 6-17=-285/52, 7-17=-387/26, 1-13=-360/44, 7-9=-521/99		
BOT CHORD	12-13=-63/1468, 12-18=-21/1729, 11-18=-21/1729, 11-19=-21/1729, 10-19=-21/1729, 9-10=-19/1447		
WEBS	3-12=-3/544, 4-12=-570/107, 4-11=0/252, 4-10=-573/106, 5-10=-1/535, 2-13=-1628/130, 6-9=-1604/115		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 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.
 - 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
1)	Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (lb/ft)
	Vert: 1-3=-59, 3-5=-59, 5-7=-59, 7-8=-59, 9-13=-20

Job 19050112	Truss A5L	Truss Type Truss	Qty 1	Ply 2	Job Reference (optional)
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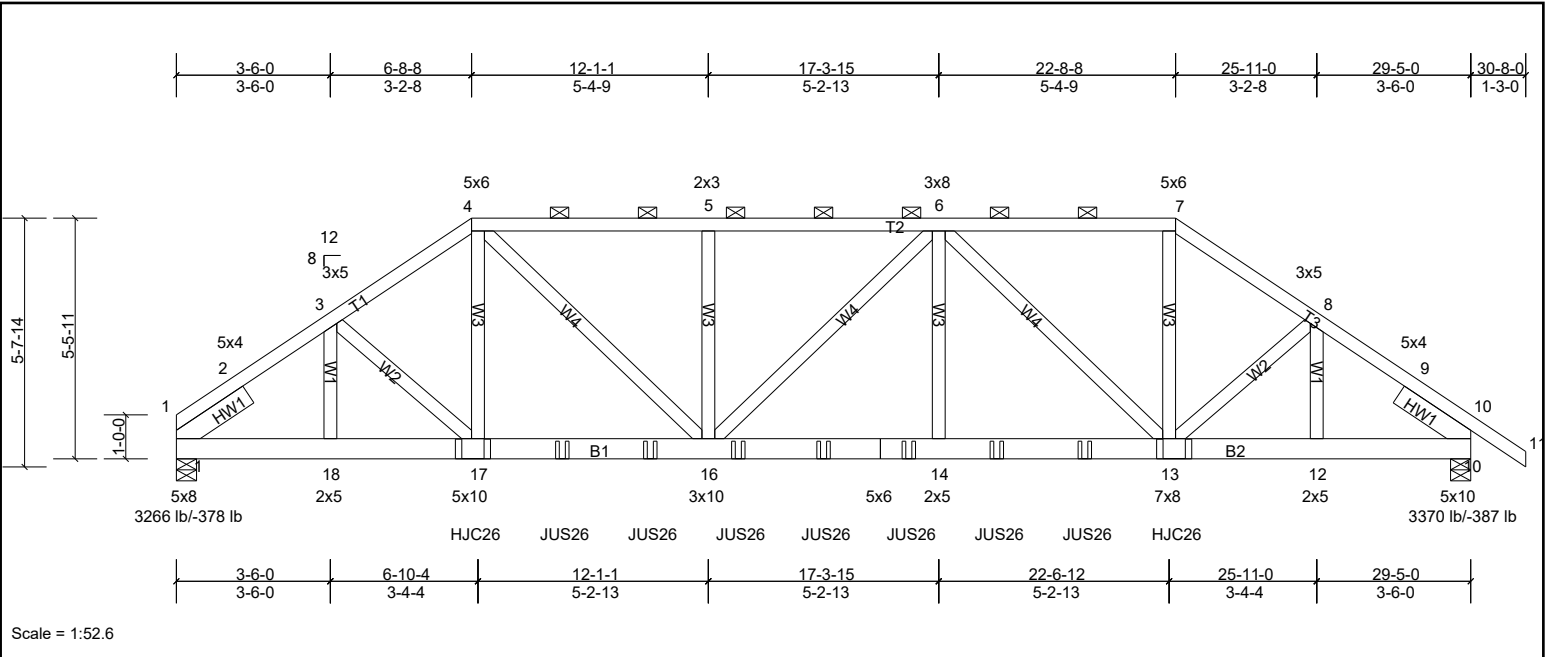


Plate Offsets (X, Y): [4:0-4-12,Edge], [10:0-6-13,0-0-8], [13:0-4-0,0-4-12]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.14 14-16	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.23 14-16	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.06 10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0									Weight: 413 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-11-7 oc purlins, except
BOT CHORD	2x6 SP No.2		2-0-0 oc purlins (5-0-8 max.): 4-7.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER	Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0		
REACTIONS	(lb/size)		
	1=2567/0-5-8, (min. 0-1-15), 10=2643/0-5-8, (min. 0-2-0)		
	Max Horiz 1=-98 (LC 56)		
	Max Uplift 1=-378 (LC 9), 10=-387 (LC 13)		
	Max Grav 1=3266 (LC 2), 10=3370 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-2395/278, 2-3=-4335/558, 3-4=-4767/684, 4-27=-5339/770, 5-27=-5339/770, 5-6=-5339/770, 6-28=-3995/590, 7-28=-3995/590, 7-8=-4755/683, 8-9=-4313/559, 9-10=-1940/242		
BOT CHORD	1-18=-498/3461, 17-18=-498/3461, 17-29=-589/3965, 29-30=-589/3965, 16-30=-589/3965, 16-31=-750/5340, 31-32=-750/5340, 15-32=-750/5340, 14-33=-750/5340, 14-34=-750/5340, 34-35=-750/5340, 13-35=-750/5340, 12-13=-407/3439, 10-12=-407/3439		
WEBS	3-18=-680/137, 3-17=-234/769, 4-17=-189/956, 4-16=-321/1965, 5-16=-582/108, 6-14=-99/872, 6-13=-1947/319, 7-13=-315/2245, 8-13=-214/773, 8-12=-689/135		

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section.
Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 1 and 387 lb uplift at joint 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.

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A5L	Truss	1	2	

- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 15-11-4 oc max. starting at 6-8-14 from the left end to 22-8-2 to connect truss(es) J1 (1 ply 2x4 SP), J6L (1 ply 2x4 SP), J1 (1 ply 2x4 SP), J6L (1 ply 2x4 SP) to back face of bottom chord.
- 16) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 8-9-4 from the left end to 20-7-12 to connect truss(es) J1 (1 ply 2x4 SP) to back face of bottom chord.
- 17) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)

Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (lb/ft)
- Vert: 1-4=-59, 4-7=-59, 7-11=-59, 19-23=-20
- Concentrated Loads (lb)
- Vert: 17=-633, 13=-633, 29=-223, 30=-223, 31=-223, 32=-223, 33=-223, 34=-223, 35=-223

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A6L	Truss	1	2	

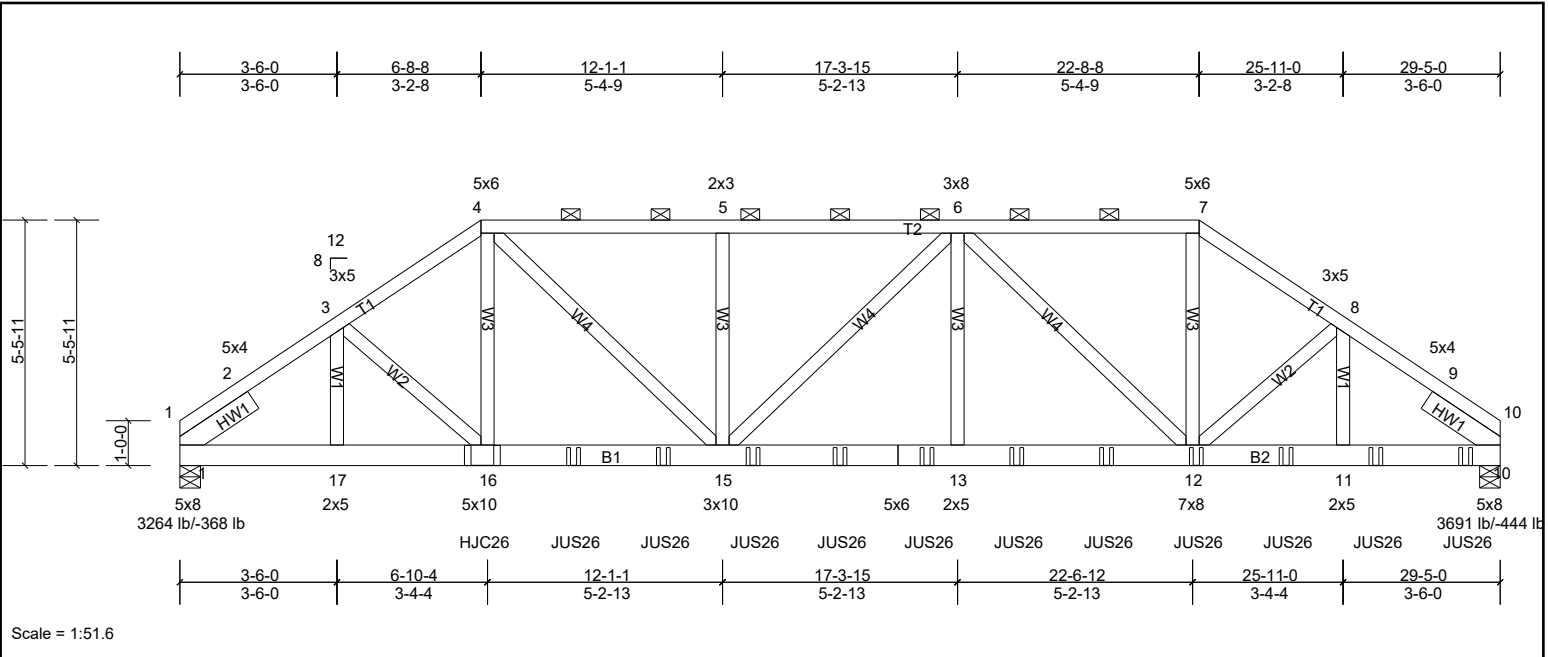


Plate Offsets (X, Y):		[4:0-4-12,Edge], [12:0-4-0,0-4-12]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.14	13-15	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.23	13-15	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.06	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 409 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-10-7 oc purlins, except
BOT CHORD	2x6 SP No.2		2-0-0 oc purlins (5-0-10 max.): 4-7.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER	Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0		
REACTIONS			
(lb/size)	1=2558/0-5-8, (min. 0-1-15), 10=2875/0-5-8, (min. 0-2-3)		
Max Horiz	1=87 (LC 9)		
Max Uplift	1=-368 (LC 9), 10=-444 (LC 8)		
Max Grav	1=3264 (LC 2), 10=3691 (LC 2)		
FORCES			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	1-2=-2394/269, 2-3=-4331/542, 3-4=-4765/667, 4-26=-5314/743, 5-26=-5314/743, 5-6=-5314/743, 6-27=-3874/535, 7-27=-3874/535, 7-8=-4613/618, 8-9=-4560/575, 9-10=-2226/273		
BOT CHORD	1-17=-492/3458, 16-17=-492/3458, 16-28=-581/3964, 28-29=-581/3964, 15-29=-581/3964, 15-30=-714/5259, 30-31=-714/5259, 14-31=-714/5259, 14-32=-714/5259, 13-32=-714/5259, 13-33=-714/5259, 33-34=-714/5259, 12-34=-714/5259, 12-35=-433/3649, 11-35=-433/3649, 11-36=-433/3649, 10-36=-433/3649		
WEBS	3-17=-683/135, 3-16=-232/770, 4-16=-192/978, 4-15=-304/1931, 5-15=-582/108, 6-13=-96/855, 6-12=-2004/336, 7-12=-279/2166, 8-12=-178/351		

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section.
Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TC LL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 368 lb uplift at joint 1 and 444 lb uplift at joint 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	
19050112	A6L	Truss	1	2	Job Reference (optional)

- 14) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 6-8-14 from the left end to connect truss(es) J2 (1 ply 2x4 SP), J6L (1 ply 2x4 SP) to front face of bottom chord.
- 15) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 8-9-4 from the left end to 28-7-12 to connect truss(es) J2 (1 ply 2x4 SP), J1 (1 ply 2x4 SP) to front face of bottom chord.
- 16) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)

Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (lb/ft)
- Vert: 1-4=-59, 4-7=-59, 7-10=-59, 18-22=-20
- Concentrated Loads (lb)
- Vert: 16=-642, 12=-223, 24=-225, 28=-232, 29=-232, 30=-232, 31=-223, 32=-223, 33=-223, 34=-223, 35=-223, 36=-223

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A7	Truss	5	1	

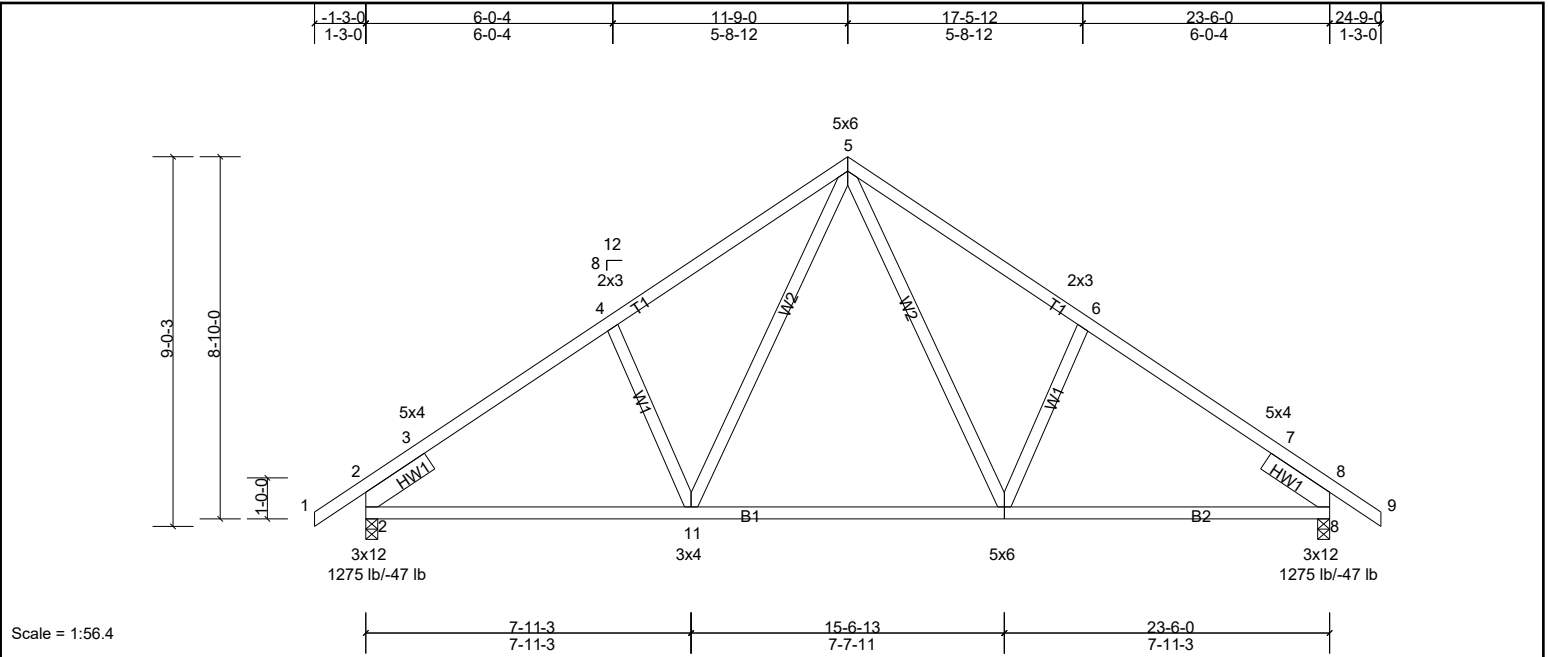


Plate Offsets (X, Y): [2:0-7-13,Edge], [8:0-7-13,Edge], [10:0-3-0,0-3-0]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	PLATES
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.24	10-11	MT20
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.35	10-11	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.07	8	
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH				n/a	
BCDL	10.0							n/a	
									Weight: 132 lb FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
SLIDER	Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0		
REACTIONS	(lb/size)		
	2=996/0-3-8, (min. 0-1-8), 8=996/0-3-8, (min. 0-1-8)		
	Max Horiz 2=-175 (LC 10)		
	Max Uplift 2=-47 (LC 12), 8=-47 (LC 13)		
	Max Grav 2=1275 (LC 2), 8=1275 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-361/188, 3-4=-1488/133, 4-5=-1341/201, 5-6=-1341/201, 6-7=-1488/133		
BOT CHORD	2-11=-158/1182, 11-20=0/825, 20-21=0/825, 10-21=0/825, 8-10=0/1139		
WEBS	5-10=-90/559, 6-10=-369/183, 5-11=-90/559, 4-11=-369/183		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been checked for uniform snow load only, except as noted.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 2 and 47 lb uplift at joint 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	
19050112	A8G	Truss	1	1	Job Reference (optional)

Run: 8.31 S May 22 2019 Print: 8.310 S May 22 2019 MiTek Industries, Inc. Mon Sep 16 08:34:58 Page: 1
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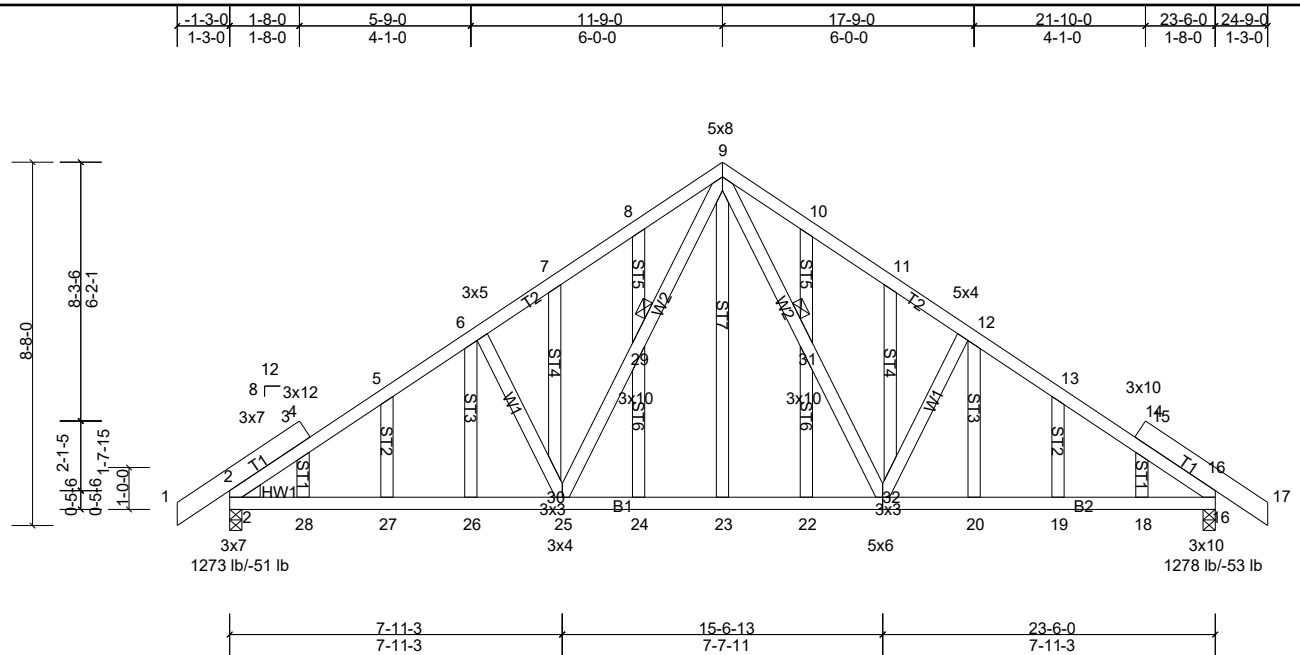


Plate Offsets (X, Y): [2:0-2-4,0-0-4], [2:0-2-8,0-5-8], [9:0-2-0,0-2-8], [15:0-9-3,0-1-0], [21:0-3-0,0-3-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.07	27	>999	240	MT20	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.12	27	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	16	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 199 lb	FT = 20%

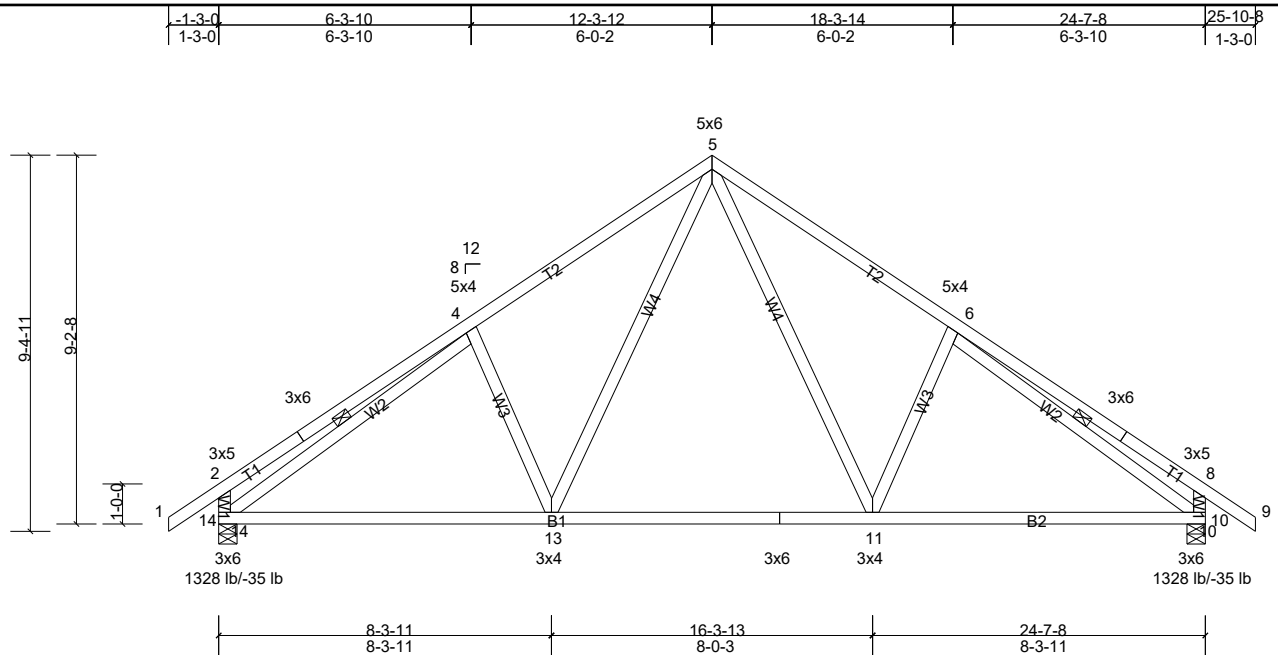
LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T2:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-1-15 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3	JOINTS	1 Brace at Jt(s): 29, 31
OTHERS	2x4 SP No.3		
WEDGE	Left: 2x4 SP No.2		
REACTIONS	(lb/size)		
	2=994/0-3-8, (min. 0-1-8), 16=998/0-3-8, (min. 0-1-8)		
	Max Horiz 2=-165 (LC 10)		
	Max Uplift 2=-51 (LC 12), 16=-53 (LC 13)		
	Max Grav 2=1273 (LC 2), 16=1278 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1578/73, 3-4=-1303/64, 4-5=-1608/100, 5-6=-1606/142, 6-7=-1435/156, 7-8=-1420/197, 8-9=-1377/239, 9-10=-1329/231, 10-11=-1413/198, 11-12=-1428/156, 12-13=-1588/141, 13-14=-1617/99, 14-15=-1286/63, 15-16=-1615/74		
BOT CHORD	2-28=-64/1379, 27-28=-59/1338, 26-27=-59/1338, 25-26=-59/1338, 24-25=0/889, 23-24=0/889, 22-23=0/892, 21-22=0/892, 20-21=-1/1321, 19-20=-1/1321, 18-19=-1/1321, 16-18=-1/1321		
WEBS	9-31=-127/562, 21-31=-131/581, 21-32=-513/151, 12-32=-387/98, 25-29=-123/582, 9-29=-135/631, 6-30=-413/86, 25-30=-537/143		

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) TCOLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 5) This truss has been checked for uniform snow load only, except as noted.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x3 MT20 unless otherwise indicated.
- 8) Gable studs spaced at 2'-0" oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0" x 6'-0" tall by 2'-0" x 6'-0" wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 16 and 51 lb uplift at joint 2.
- 12) 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
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A9	Truss	5	1	



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.21	11-13	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.28	11-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.04	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 152 lb	FT = 20%

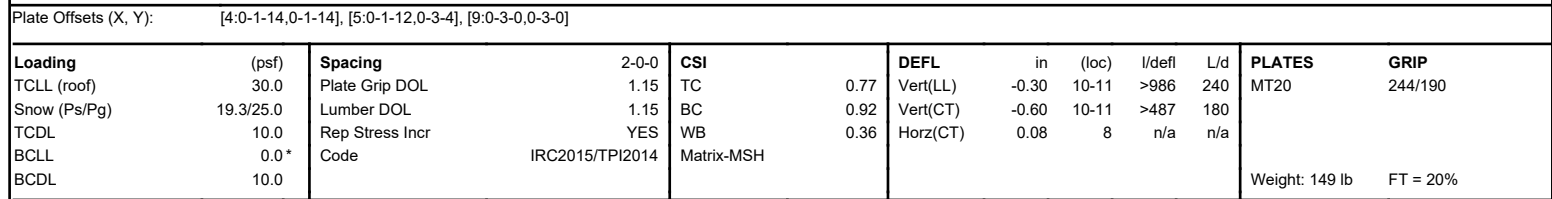
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-10-3 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 4-14, 6-10
REACTIONS	(lb/size)		
	10=1037/0-5-8, (min. 0-1-9), 14=1037/0-5-8, (min. 0-1-9)		
	Max Horiz 14=197 (LC 11)		
	Max Uplift 10=-35 (LC 13), 14=-35 (LC 12)		
	Max Grav 10=1328 (LC 2), 14=1328 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-488/96, 3-4=-339/123, 4-5=-1406/186, 5-6=-1406/186, 6-7=-339/123, 7-8=-488/96, 2-14=-545/147, 8-10=-545/147		
BOT CHORD	13-14=-55/1234, 13-15=0/854, 12-15=0/854, 12-16=0/854, 11-16=0/854, 10-11=0/1184		
WEBS	5-11=-76/596, 6-11=-371/188, 5-13=-76/596, 4-13=-371/188, 4-14=-1133/0, 6-10=-1133/0		

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-00-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 14 and 35 lb uplift at joint 10.
- 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

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REACTIONS	(lb/size)	8=958/ Mechanical, (min. 0-1-8), 11=1045/0-5-8, (min. 0-1-12)
	Max Horiz	11=154 (LC 11)
	Max Uplift	8=-8 (LC 15), 11=-27 (LC 14)
	Max Grav	8=1385 (LC 37), 11=1503 (LC 37)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-545/47, 3-17=-1404/106, 4-17=-1384/140, 4-18=-1044/146, 5-18=-1044/146, 5-6=-1395/142, 6-7=-1748/144, 7-8=-683/0, 2-11=-595/100
BOT CHORD	10-11=-73/1319, 9-10=0/1039, 8-9=-48/1349
WEBS	3-10=-359/155, 4-10=0/380, 5-9=-17/343, 6-9=-398/141, 3-11=-1274/100

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) ** TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
- 4) Roof design snow load has been reduced to account for slope.
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 8 and 27 lb uplift at joint 11.
- 12) 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.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-59, 2-4=-59, 4-5=-59, 5-8=-59, 11-12=-20

Job	Truss	Truss Type	Qty	Ply	
19050112	A11	Truss	1	1	Job Reference (optional)

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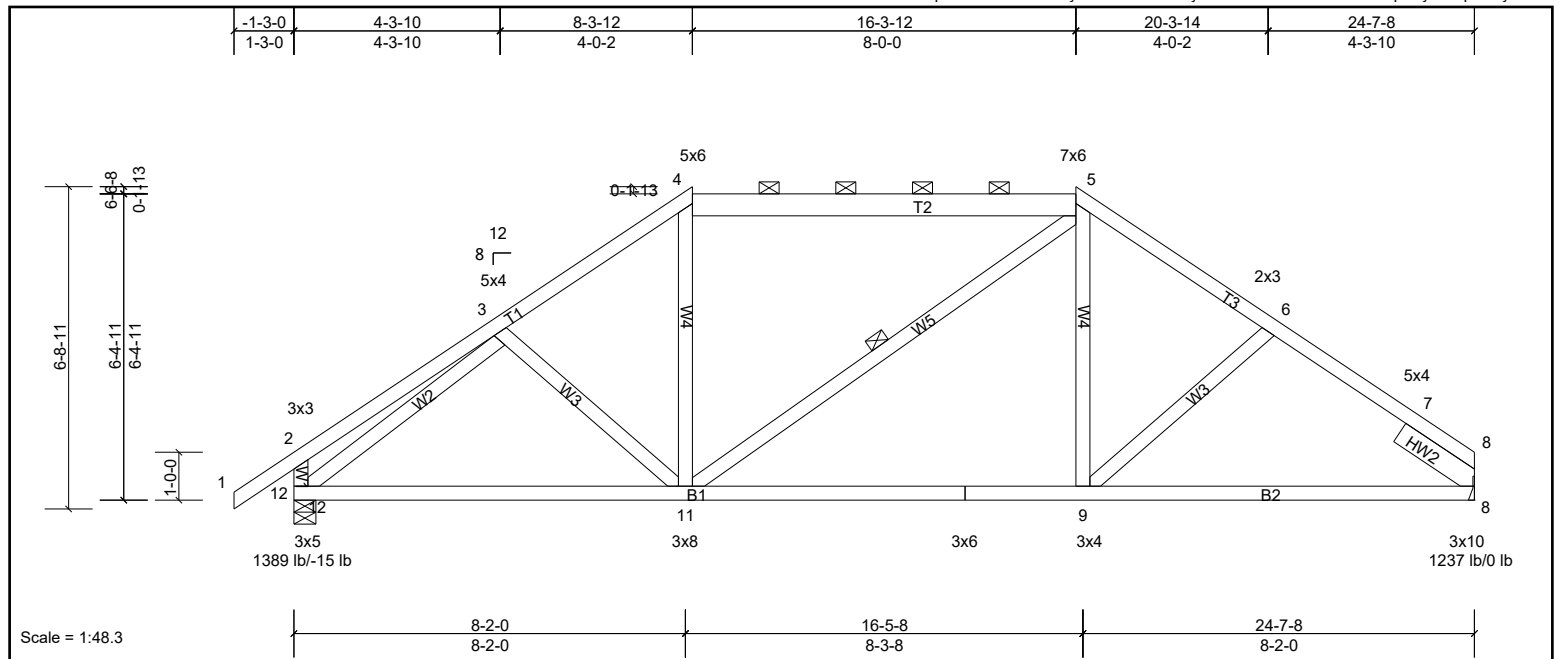


Plate Offsets (X, Y): [8:0-7-13,Edge]															
Loading		(psf)	Spacing		2-0-0	CSI	DEFL			in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		30.0	Plate Grip DOL		1.15	TC	0.91	Vert(LL)	-0.09	11-12	>999	240	MT20	244/190	
Snow (Ps/Pg)		19.3/25.0	Lumber DOL		1.15	BC	0.70	Vert(CT)	-0.19	11-12	>999	180			
TCDL		10.0	Rep Stress Incr		YES	WB	0.74	Horz(CT)	0.07	8	n/a	n/a			
BCLL		0.0 *	Code		IRC2015/TPI2014	Matrix-MSH									
BCDL		10.0												Weight: 147 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T2:2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-10-0 oc purlins, except end
BOT CHORD	2x4 SP No.2		verticals, and 2-0-0 oc purlins (2-2-0 max.); 4-5.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER	Right 2x6 SP No.2 -- 1-11-0	WEBS	1 Row at midpt 5-11
REACTIONS			
	(lb/size 8=958/ Mechanical, (min. 0-1-8), 12=1045/0-5-8, (min. 0-1-10)		
	Max Horiz 12=128 (LC 11)		
	Max Uplift 12=-15 (LC 14)		
	Max Grav 8=1237 (LC 37), 12=1389 (LC 37)		
FORCES			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-17=-331/36, 3-4=-1419/137, 4-18=-1117/143, 18-19=-1117/143, 5-19=-1117/143, 5-6=-1393/138, 6-20=-1505/134, 7-20=-1570/115, 7-8=-255/104, 2-12=-484/103		
BOT CHORD	11-12=-54/1175, 10-11=0/1126, 9-10=0/1126, 8-9=-52/1206		
WEBS	4-11=0/326, 5-9=0/314, 3-12=-1313/75		

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) ** TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - 4) Roof design snow load has been reduced to account for slope.
 - 5) Unbalanced snow loads have been considered for this design.
 - 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - 7) Provide adequate drainage to prevent water ponding.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
 - 10) Refer to girder(s) for truss to truss connections.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 12.
 - 12) 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.
 - 13) 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
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-.59, 2-4=-.59, 4-5=-.59, 5-8=-.59, 12-13=-.20

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A12L	Truss	1	2	

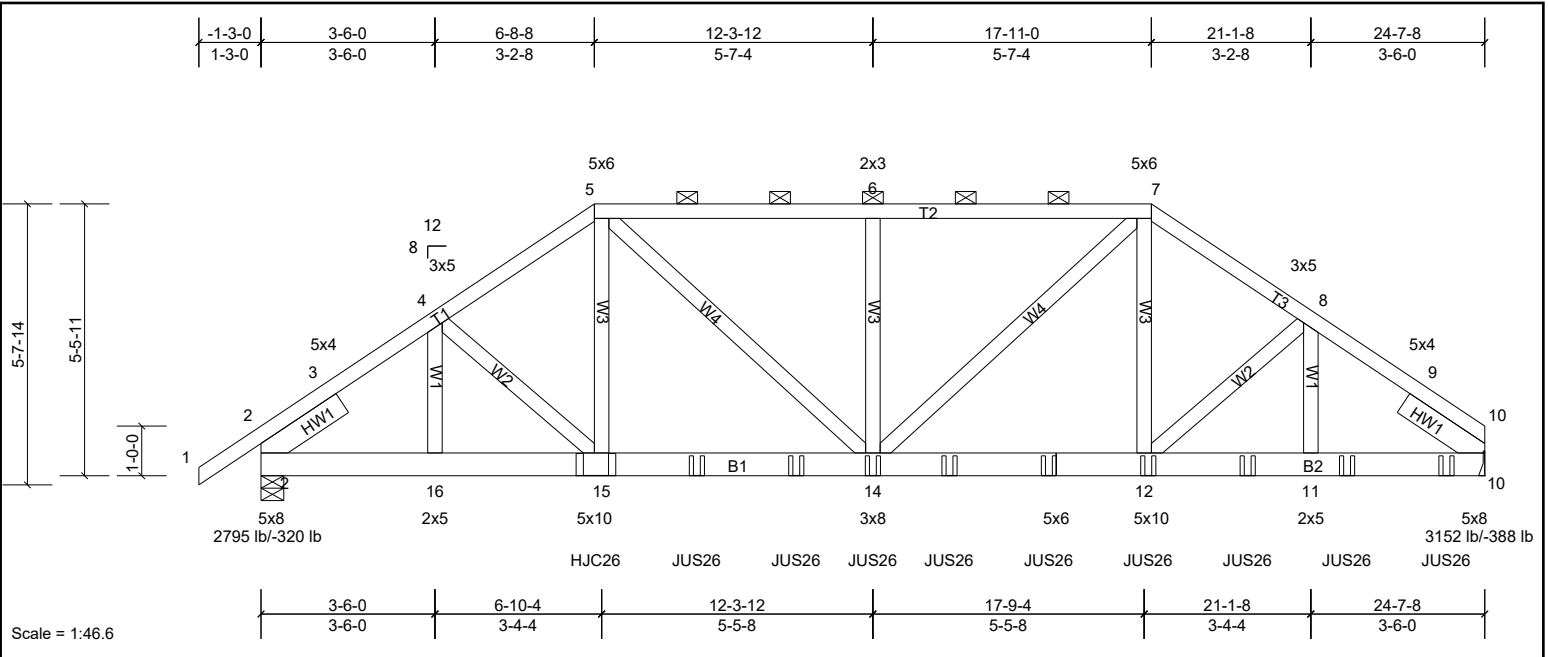


Plate Offsets (X, Y):		[5:0-4-12,Edge], [7:0-4-12,Edge]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.09	14-15	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.14	14-15	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.04	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 343 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-8-5 oc purlins, except
BOT CHORD	2x6 SP No.2		2-0-0 oc purlins (5-11-12 max.): 5-7.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER	Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0		
REACTIONS			
(lb/size)	2=2192/0-5-8, (min. 0-1-10), 10=2459/ Mechanical, (min. 0-1-8)		
Max Horiz	2=98 (LC 9)		
Max Uplift	2=320 (LC 12), 10=388 (LC 13)		
Max Grav	2=2795 (LC 2), 10=3152 (LC 2)		
FORCES			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	2-25=-1943/206, 3-25=-1556/180, 3-4=-3514/433, 4-5=-3849/527, 5-26=-3995/542, 6-26=-3995/542, 6-27=-3995/542, 7-27=-3995/542, 7-8=-3762/494, 8-9=-3812/481, 9-10=-1899/230		
BOT CHORD	2-16=-394/2799, 15-16=-394/2799, 15-28=-465/3201, 28-29=-465/3201, 14-29=-465/3201, 14-30=-374/3126, 13-30=-374/3126, 12-13=-374/3126, 12-31=-345/3050, 11-31=-345/3050, 11-32=-345/3050, 10-32=-345/3050		
WEBS	4-16=-571/116, 4-15=-222/618, 5-15=-194/1034, 5-14=-200/1158, 6-14=-670/129, 7-14=-239/1262, 7-12=-150/916		

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section.
Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps= varies (min. roof snow=19.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 388 lb uplift at joint 10 and 320 lb uplift at joint 2.

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A12L	Truss	1	2	

- 14) 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.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 6-8-14 from the left end to connect truss(es) J1 (1 ply 2x4 SP), J6L (1 ply 2x4 SP) to back face of bottom chord.
- 17) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 8-9-4 from the left end to 23-10-4 to connect truss(es) J1 (1 ply 2x4 SP) to back face of bottom chord.
- 18) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)Standard

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

Uniform Loads (lb/ft)

Vert: 1-5=-59, 5-7=-59, 7-10=-59, 17-21=-20

Concentrated Loads (lb)

Vert: 13=-223, 15=-636, 14=-223, 12=-223, 19=-225, 28=-223, 29=-223, 30=-223, 31=-223, 32=-223

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A13G	Truss	1	1	

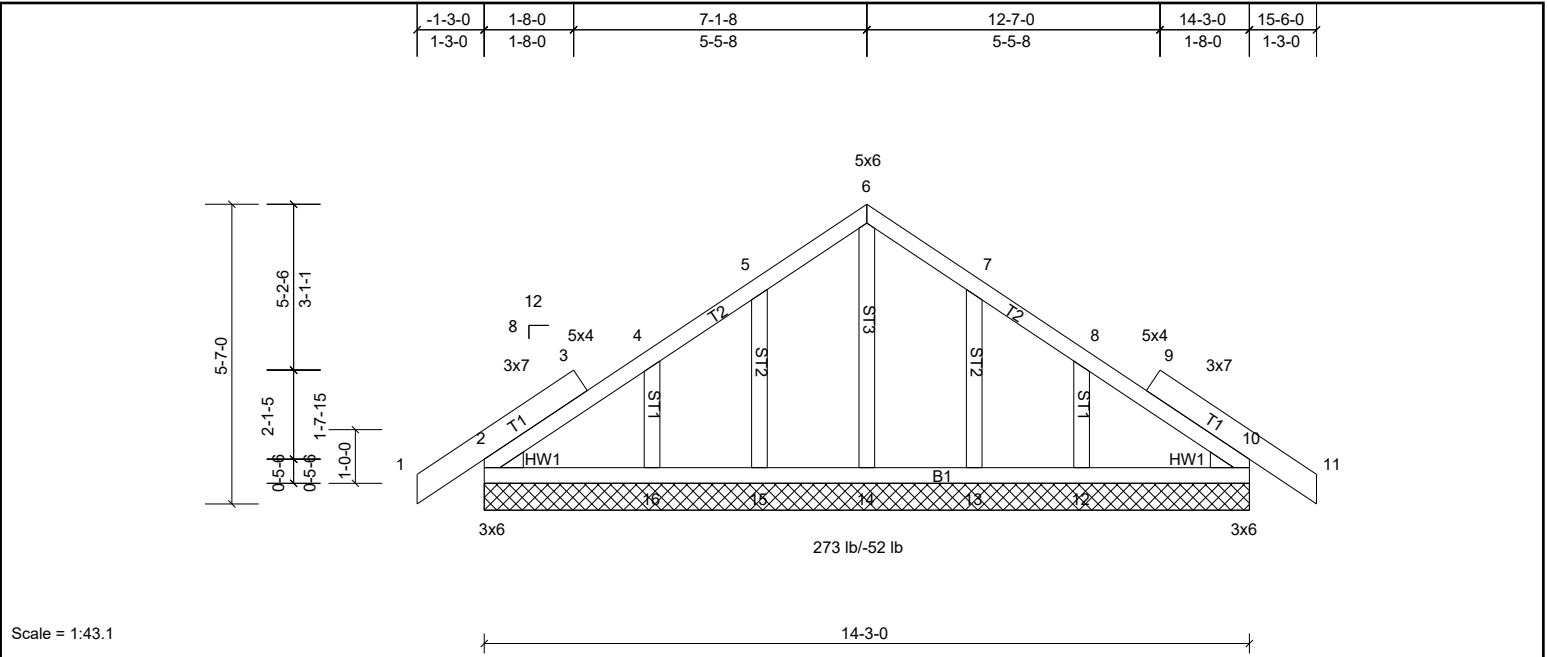


Plate Offsets (X, Y): [2:0-2-8,0-5-8], [10:Edge,0-3-8], [10:0-2-8,0-2-0]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	PLATES
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	MT20
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	GRIP
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	10	244/190
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH					
BCDL	10.0								Weight: 89 lb FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T2:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3		
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		
REACTIONS	All bearings 14-3-0. (lb) - Max Horiz 2=99 (LC 11) Max Uplift All uplift 100 (lb) or less at joint(s) 10, 12, 13, 15, 16 Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15 except 2=261 (LC 2), 10=261 (LC 2), 12=273 (LC 2), 16=273 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
NOTES	1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss only. 4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 5) Roof design snow load has been reduced to account for slope. 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads. 7) All plates are 1.5x3 MT20 unless otherwise indicated. 8) Gable requires continuous bottom chord bearing. 9) Gable studs spaced at 2-0-0 oc. 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 11) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members. 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 16, 13, 12, 10. 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 10. 14) 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	Job Reference (optional)
19050112	A15L	Truss	1	2	

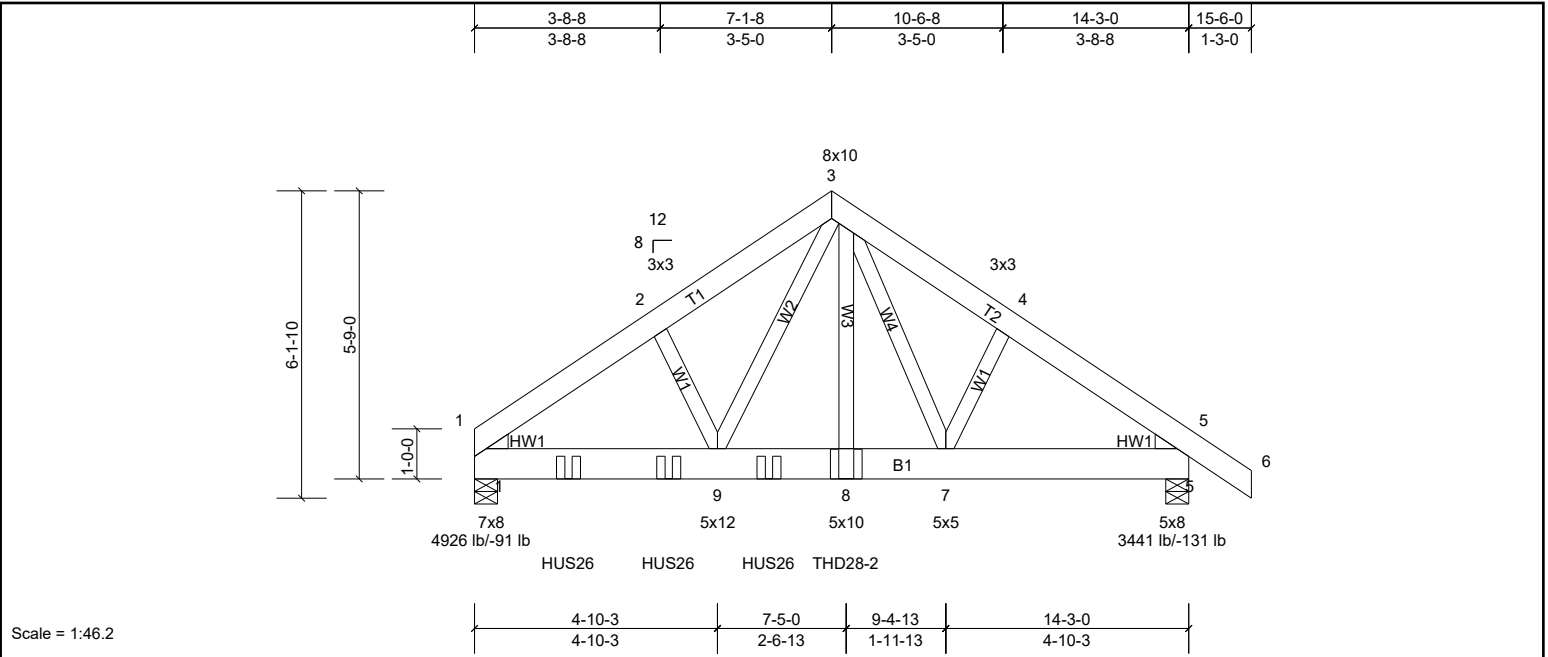


Plate Offsets (X, Y): [1:Edge,0-3-5], [3:0-3-0,0-1-12], [5:Edge,0-0-13], [8:0-6-4,0-2-8]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.05	8-9	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.08	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.03	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 238 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x8 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		
REACTIONS	(lb/size)	1=4395/0-5-8, (min. 0-2-15), 5=2996/0-5-8, (min. 0-2-0)	
	Max Horiz	1=-103 (LC 6)	
	Max Uplift	1=-91 (LC 10), 5=-131 (LC 11)	
	Max Grav	1=4926 (LC 2), 5=3441 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-6082/112, 2-3=-5914/154, 3-4=-4742/230, 4-5=-4922/191		
BOT CHORD	1-16=-101/4898, 16-17=-101/4898, 9-17=-101/4898, 9-18=-79/3885, 8-18=-79/3885, 7-8=-89/4072, 5-7=-109/3899		
WEBS	4-7=-193/287, 3-9=0/2613, 3-8=-179/3324, 3-7=-426/112		
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: 2x8 - 2 rows staggered at 0-7-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-8 2x4 - 2 rows staggered at 0-7-0 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60			
5) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10			
6) Roof design snow load has been reduced to account for slope.			
7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.			
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.			
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.			
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 1 and 131 lb uplift at joint 5.			
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) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-8 from the left end to 5-10-8 to connect truss(es) A9 (1 ply 2x4 SP), A10 (1 ply 2x4 SP), A11 (1 ply 2x4 SP) to back face of bottom chord.			

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	A15L	Truss	1	2	

- 13) Use USP THD28-2 (With 28-16d nails into Girder & 16-10d nails into Truss) or equivalent at 7-5-0 from the left end to connect truss(es) A12L (2 ply 2x6 SP) to back face of bottom chord.
- 14) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (lb/ft)
- Vert: 1-3=-59, 3-6=-59, 10-13=-20
- Concentrated Loads (lb)
- Vert: 8=-2601, 16=-1017, 17=-1365, 18=-1217

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	B1G	Truss	1	1	

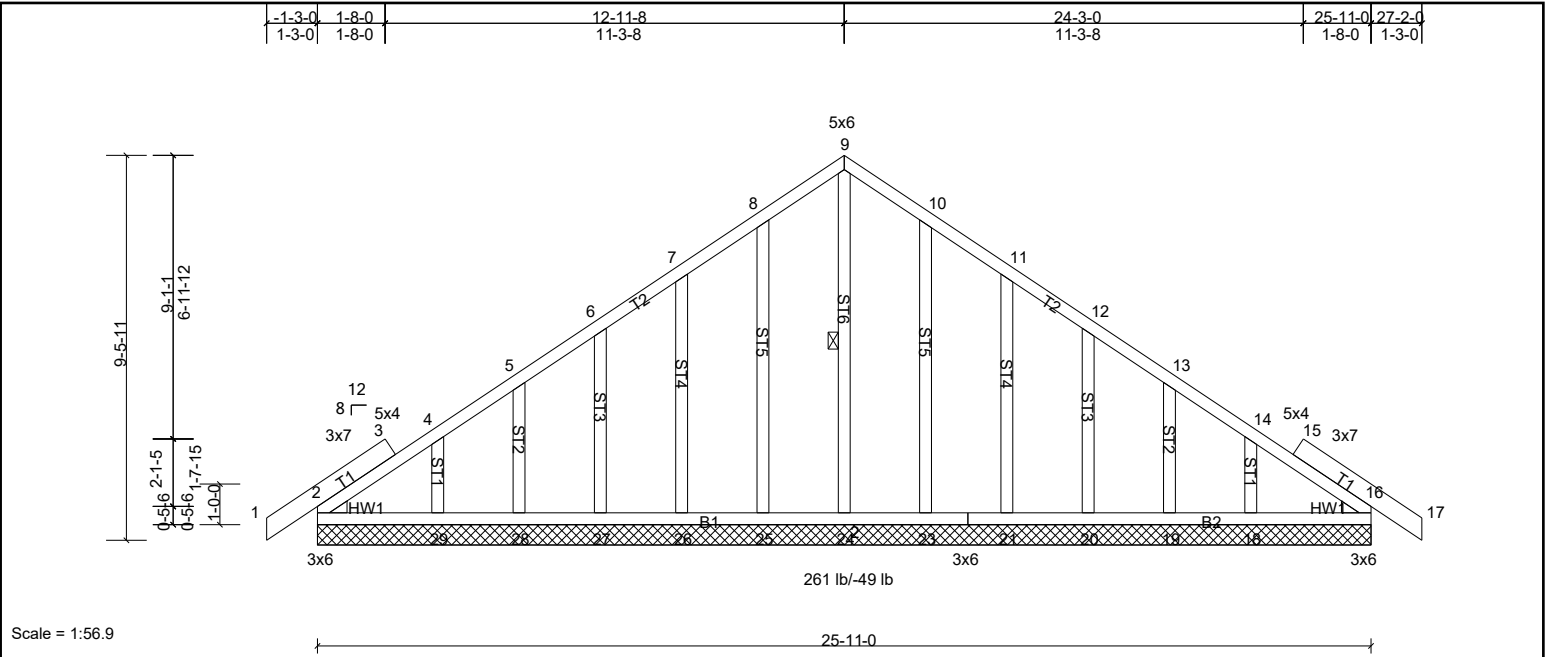


Plate Offsets (X, Y): [2:0-2-8,0-5-8], [16:Edge,0-3-8], [16:0-2-8,0-2-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	16	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 184 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T2:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 9-24
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		
REACTIONS	All bearings 25-11-0. (lb) - Max Horiz 2=175 (LC 11) Max Uplift All uplift 100 (lb) or less at joint(s) 18, 19, 20, 21, 23, 25, 26, 27, 28, 29 Max Grav All reactions 250 (lb) or less at joint(s) 19, 20, 21, 23, 24, 25, 26, 27, 28 except 2=261 (LC 2), 16=261 (LC 2), 18=259 (LC 29), 29=259 (LC 28)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
NOTES	1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss only. 4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 5) Roof design snow load has been reduced to account for slope. 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads. 7) All plates are 2x3 MT20 unless otherwise indicated. 8) Gable requires continuous bottom chord bearing. 9) Gable studs spaced at 2-0-0 oc. 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 29, 23, 21, 20, 19, 18. 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 16, 2. 14) 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	Job Reference (optional)
19050112	B2	Truss	7	1	

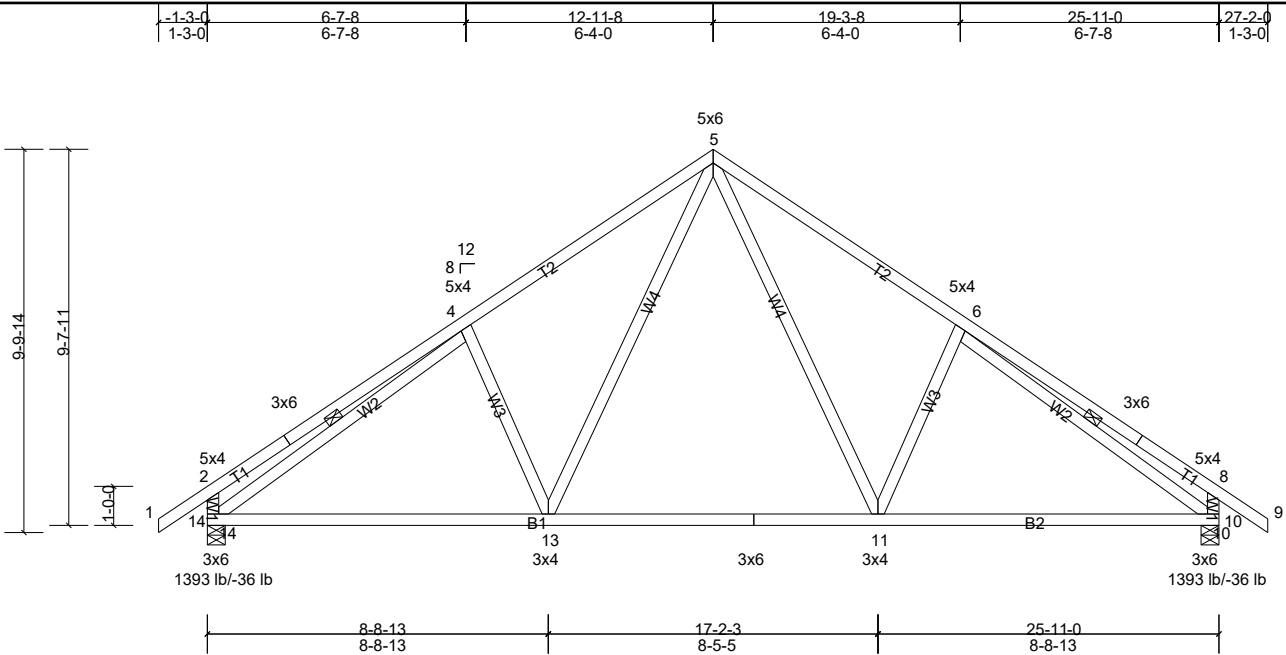


Plate Offsets (X, Y): [2:0-2-0,0-1-12], [8:0-2-0,0-1-12]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.26	11-13	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.34	11-13	>907	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.05	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 160 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-3-12 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 4-14, 6-10
REACTIONS	(lb/size)		
	10=1087/0-5-8, (min. 0-1-10), 14=1087/0-5-8, (min. 0-1-10)		
	Max Horiz 14=-205 (LC 10)		
	Max Uplift 10=-36 (LC 13), 14=-36 (LC 12)		
	Max Grav 10=1393 (LC 2), 14=1393 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-539/103, 3-4=-373/133, 4-5=-1491/196, 5-6=-1491/196, 6-7=-373/133, 7-8=-539/103, 2-14=-582/154, 8-10=-582/154		
BOT CHORD	13-14=-59/1314, 13-15=0/906, 12-15=0/906, 12-16=0/906, 11-16=0/906, 10-11=0/1260		
WEBS	5-11=-80/638, 6-11=-397/198, 5-13=-80/638, 4-13=-397/198, 4-14=-1188/0, 6-10=-1188/0		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Roof design snow load has been reduced to account for slope.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 14 and 36 lb uplift at joint 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	B3G	Truss	1	1	

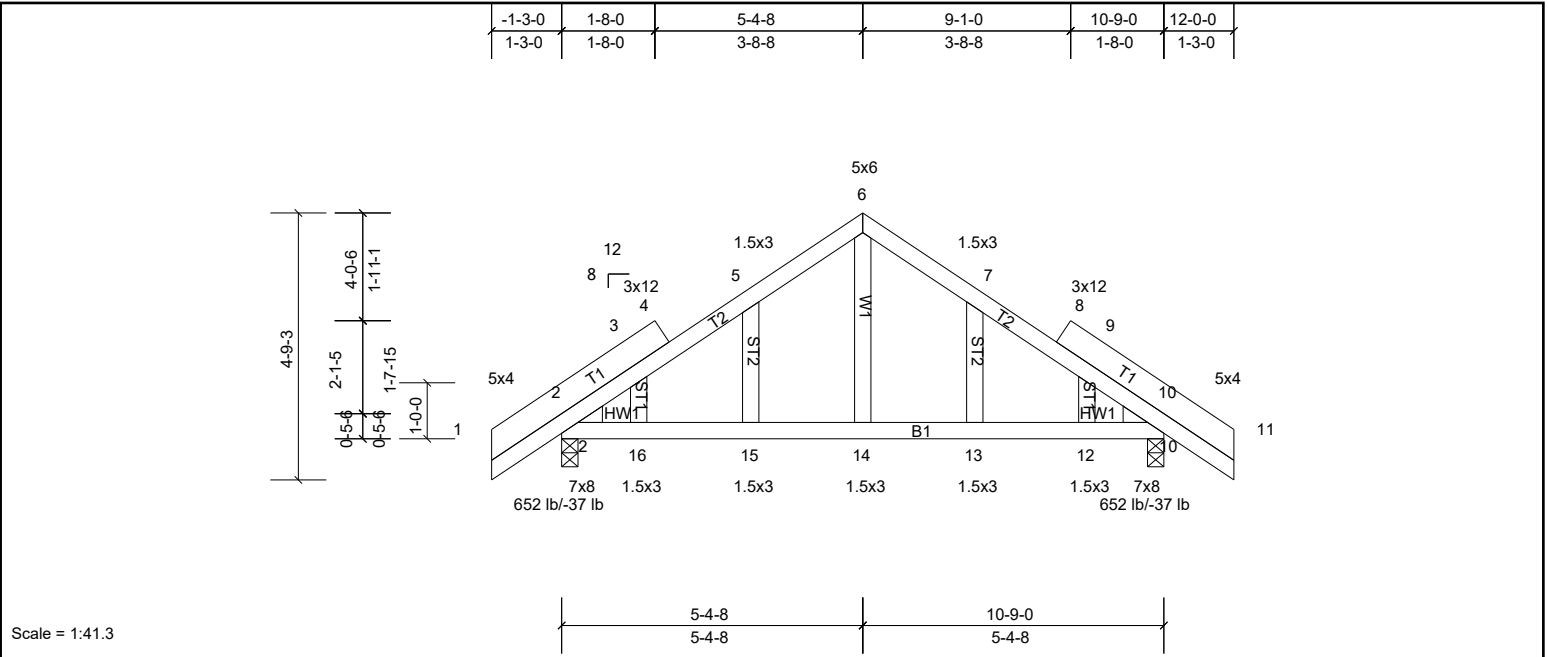
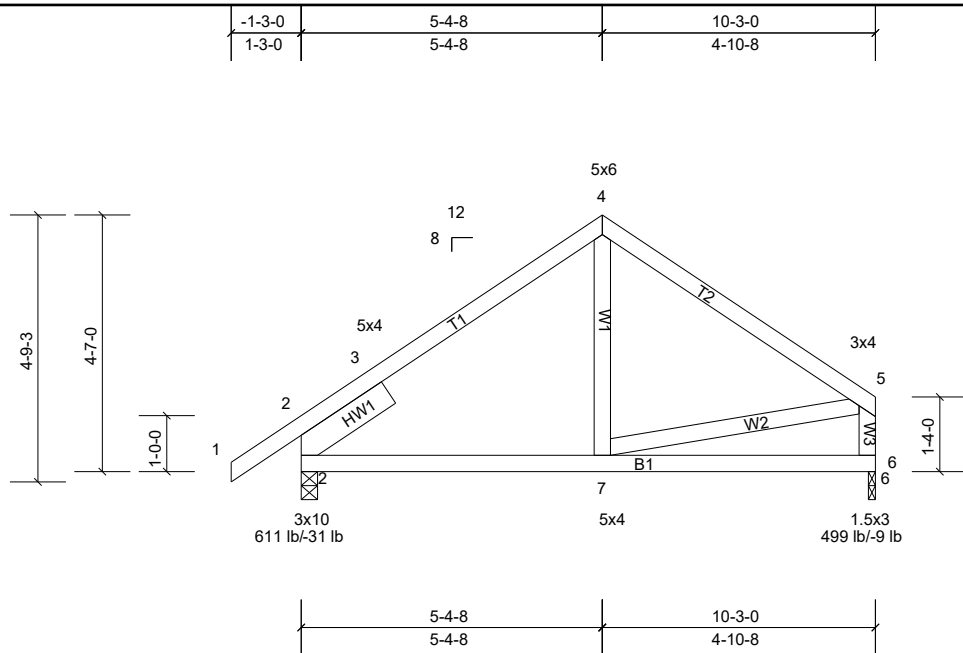


Plate Offsets (X, Y):		[2:Edge,0-2-8], [10:Edge,0-2-8]	
Loading	(psf)	Spacing	2-0-0
TCLL (roof)	30.0	Plate Grip DOL	1.15
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15
TCDL	10.0	Rep Stress Incr	YES
BCLL	0.0 *	Code	IRC2015/TPI2014
BCDL	10.0		
		CSI	
		TC	0.35
		BC	0.51
		WB	0.13
		Matrix-MSH	
		DEFL	
		Vert(LL)	in (loc) l/defl L/d
		Vert(CT)	-0.05 15-16 >999 240
		Horz(CT)	-0.07 15-16 >999 180
			-0.01 10 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 73 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T2:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		
REACTIONS	(lb/size)		
	2=506/0-3-8, (min. 0-1-8), 10=506/0-3-8, (min. 0-1-8)		
	Max Horiz 2=-88 (LC 10)		
	Max Uplift 2=-37 (LC 12), 10=-37 (LC 13)		
	Max Grav 2=652 (LC 2), 10=652 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-594/27, 3-4=-540/30, 4-5=-538/40, 5-6=-548/89, 6-7=-548/89, 7-8=-538/40, 8-9=-539/30, 9-10=-594/27		
BOT CHORD	2-16=0/477, 15-16=0/455, 14-15=0/455, 13-14=0/455, 12-13=0/455, 10-12=0/477		
WEBS	6-14=-35/324		
NOTES			
1)	Unbalanced roof live loads have been considered for this design.		
2)	Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60		
3)	Truss designed for wind loads in the plane of the truss only.		
4)	TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10		
5)	This truss has been checked for uniform snow load only, except as noted.		
6)	This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.		
7)	Gable studs spaced at 2-0-0 oc.		
8)	This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.		
9)	* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.		
10)	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 2 and 37 lb uplift at joint 10.		
11)	This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.		
LOAD CASE(S)	Standard		

Job	Truss	Truss Type	Qty	Ply	
19050112	B4	Truss	2	1	Job Reference (optional)

Run: 8.31 S May 22 2019 Print: 8.310 S May 22 2019 MiTek Industries, Inc. Mon Sep 16 08:35:01 Page: 1
ID:vftq08VDIIyUwBQznTyMaiziY2H-PjzTgeKfy_dJaCxWdiDMqhD41nQTYISkTAJ1I4yd7G8



Scale = 1:41.3

Plate Offsets (X, Y):	[2:0-2-12,0-0-4], [5:0-2-8,0-0-8]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.02	7-10	>999	240	MT20	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.04	7-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.02	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 55 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	2x4 SP No.3		
SLIDER	Left 2x6 SP No.2 -- 1-11-0		
REACTIONS	(lb/size)	2=474/0-3-8, (min. 0-1-8), 6=392/0-1-8, (min. 0-1-8)	
	Max Horiz	2=103 (LC 11)	
	Max Uplift	2=-31 (LC 12), 6=-9 (LC 13)	
	Max Grav	2=611 (LC 2), 6=499 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	3-4=-394/72, 4-5=-498/72, 5-6=-460/67		
BOT CHORD	2-7=-97/328		
WEBS	5-7=-14/256		

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) This truss has been checked for uniform snow load only, except as noted.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 2 and 9 lb uplift at joint 6.
- 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.

LOAD CASE(S)	Standard
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	J1	Truss	27	1	

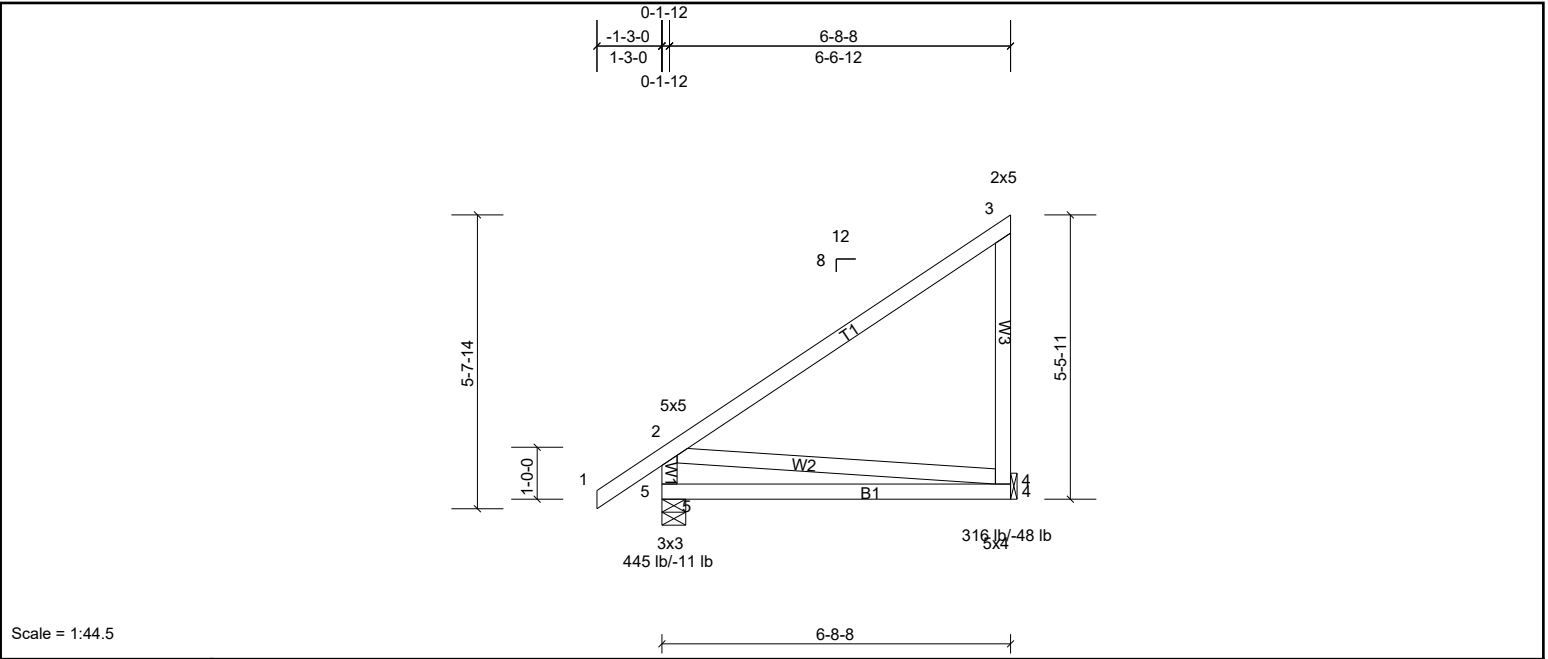
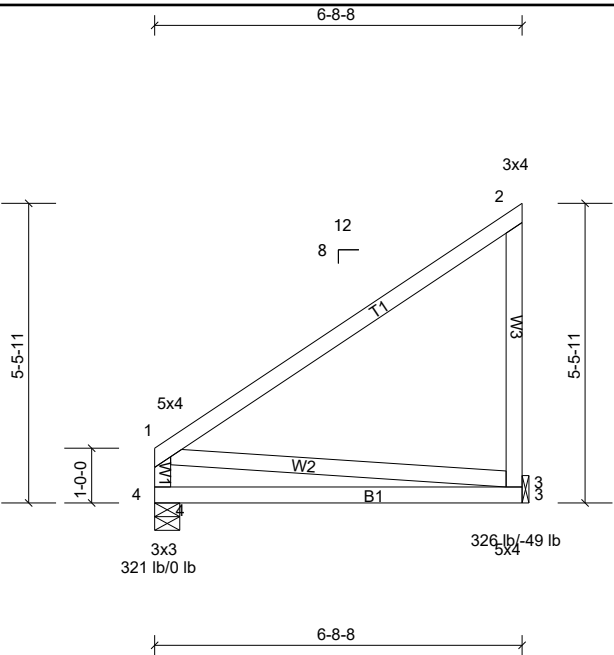


Plate Offsets (X, Y): [2:0-1-8,0-1-12]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.06	4-5	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.12	4-5	>642	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 42 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. Rigid ceiling directly applied or 10-0-0 oc bracing.	
BOT CHORD	2x4 SP No.2		BOT CHORD		
WEBS	2x4 SP No.3				
REACTIONS	(lb/size)	4=243/ Mechanical, (min. 0-1-8), 5=342/0-5-8, (min. 0-1-8)			
	Max Horiz	5=160 (LC 9)			
	Max Uplift	4=48 (LC 12), 5=-11 (LC 12)			
	Max Grav	4=316 (LC 24), 5=445 (LC 2)			
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
TOP CHORD	2-5=-380/113				
BOT CHORD	4-5=-163/410				
WEBS	2-4=-374/188				

- NOTES**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 5 and 48 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.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	J2	Truss	4	1	

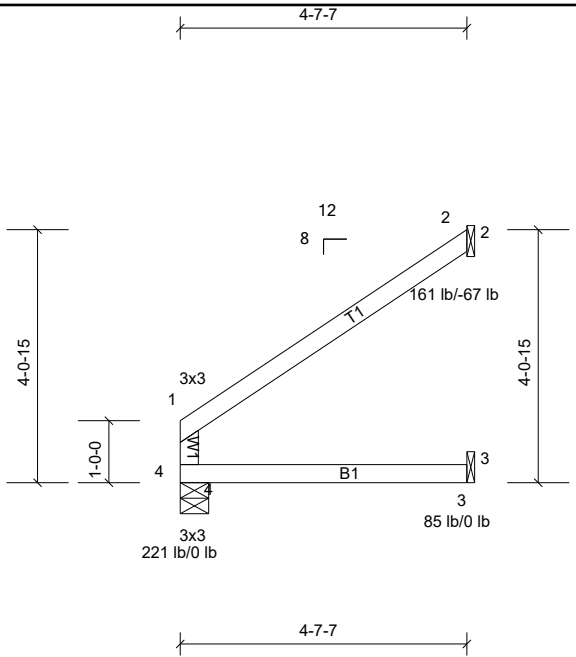


Scale = 1:42.2									
Plate Offsets (X, Y): [1:Edge,0-1-12]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	PLATES
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.06	3-4	GRIP
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.12	3-4	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	3	
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH					
BCDL	10.0								Weight: 39 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	2x4 SP No.3		
REACTIONS	(lb/size)		
	3=252/ Mechanical, (min. 0-1-8), 4=252/0-5-8, (min. 0-1-8)		
	Max Horiz 4=148 (LC 9)		
	Max Uplift 3=49 (LC 12)		
	Max Grav 3=326 (LC 23), 4=321 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-4=-257/60		
BOT CHORD	3-4=-136/336		
WEBS	1-3=-294/134		

- NOTES**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3.
 - 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

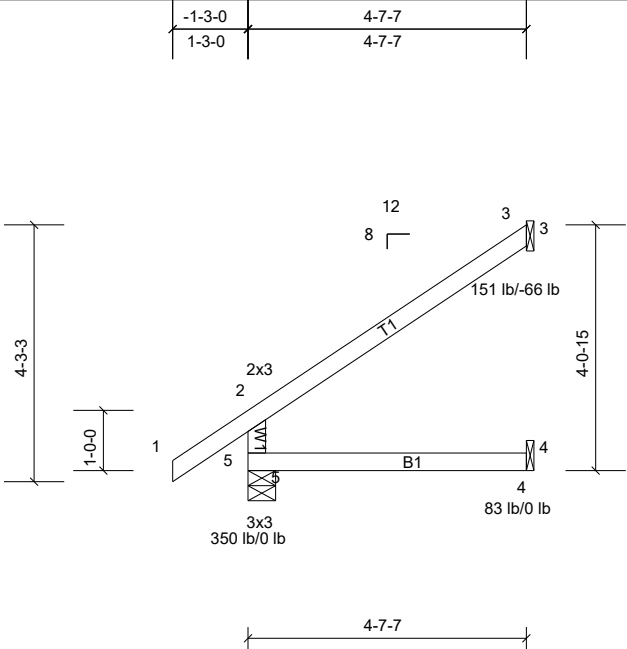
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	J3	Truss	1	1	



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	0.02	3-4	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.04	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 16 lb	FT = 20%

LUMBER			BRACING		
TOP CHORD	2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 4-7-7 oc purlins, except end verticals.	
BOT CHORD	2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
WEBS	2x4 SP No.3				
REACTIONS	(lb/size)	2=119/ Mechanical, (min. 0-1-8), 3=54/ Mechanical, (min. 0-1-8), 4=173/0-5-8, (min. 0-1-8)			
	Max Horiz	4=81 (LC 12)			
	Max Uplift	2=-67 (LC 12)			
	Max Grav	2=161 (LC 2), 3=85 (LC 5), 4=221 (LC 2)			
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
NOTES					
1)	Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60				
2)	TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10				
3)	Roof design snow load has been reduced to account for slope.				
4)	This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.				
5)	* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.				
6)	Refer to girder(s) for truss to truss connections.				
7)	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 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.				
LOAD CASE(S)					
	Standard				

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	J4	Truss	7	1	



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.04	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 18 lb	FT = 20%

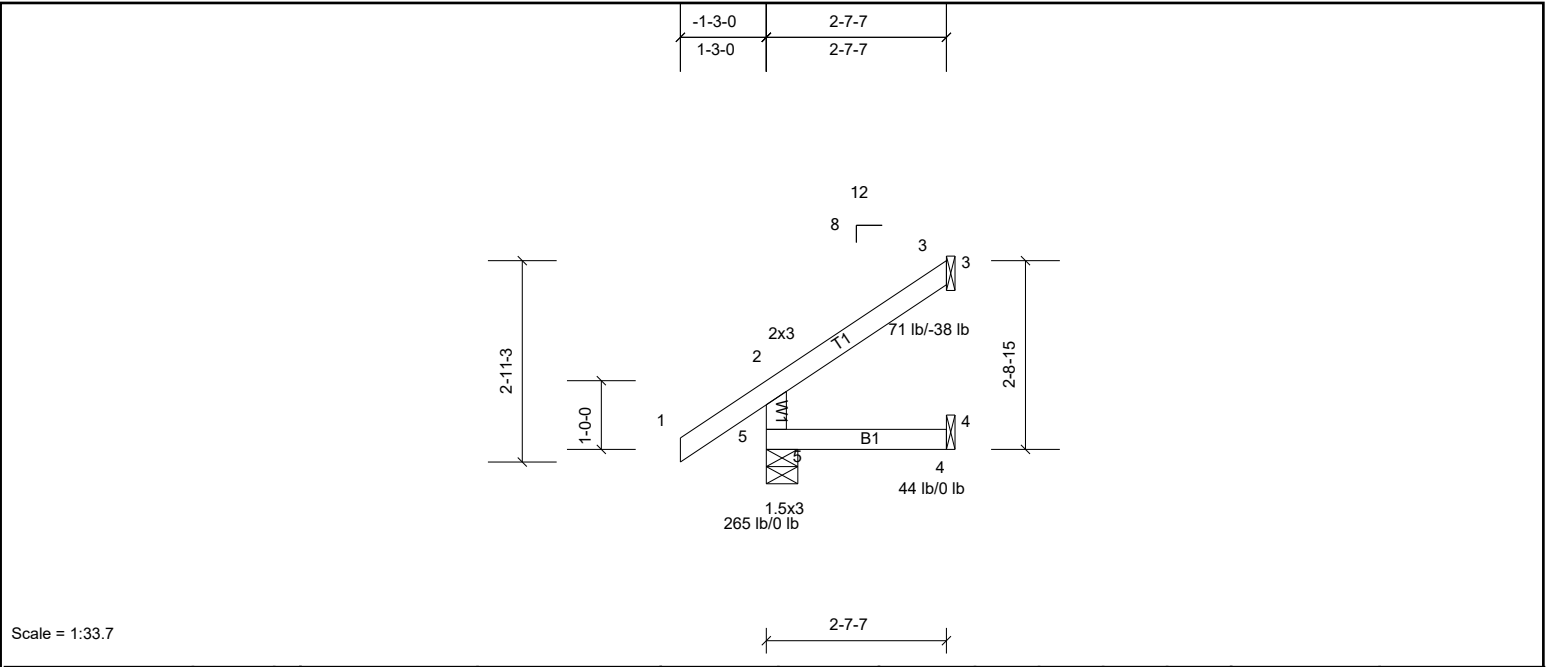
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-7-7 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS	(lb/size)	3=112/ Mechanical, (min. 0-1-8), 4=49/ Mechanical, (min. 0-1-8), 5=268/0-5-8, (min. 0-1-8) Max Horiz 5=105 (LC 12) Max Uplift 3=-66 (LC 12) Max Grav 3=151 (LC 2), 4=83 (LC 5), 5=350 (LC 2)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-5=-313/71	

- NOTES**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - 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 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 3.
 - 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

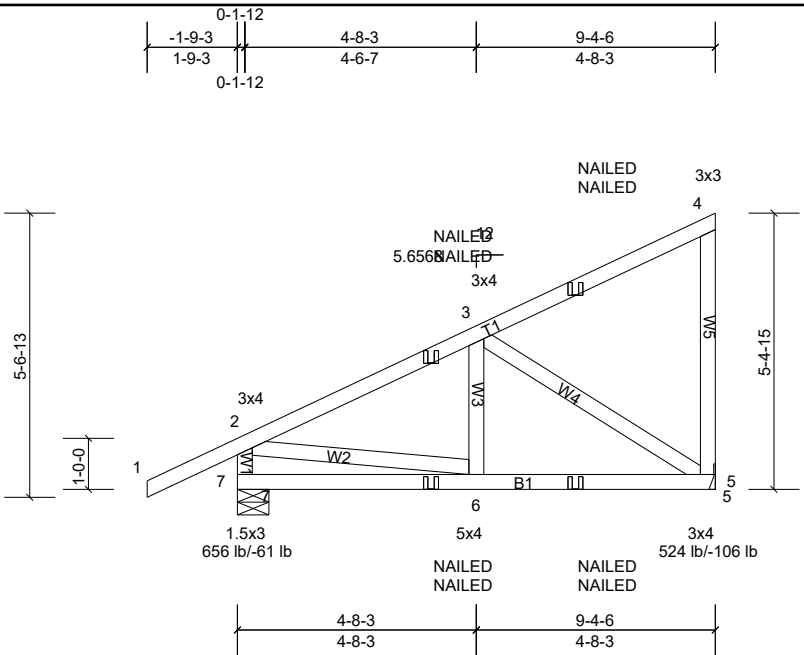
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	J5	Truss	8	1	



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 12 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2'-7'-7" oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10'-0'-0" oc bracing.
WEBS	2x4 SP No.3		
REACTIONS	(lb/size)		
	3=51/ Mechanical, (min. 0'-1'-8), 4=20/ Mechanical, (min. 0'-1'-8), 5=200/0'-5'-8, (min. 0'-1'-8)		
	Max Horiz	5=65 (LC 12)	
	Max Uplift	3=-38 (LC 12)	
	Max Grav	3=71 (LC 24), 4=44 (LC 5), 5=265 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
NOTES			
1)	Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60		
2)	TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10		
3)	Roof design snow load has been reduced to account for slope.		
4)	This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.		
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 0.0psf on the bottom chord in all areas where a rectangle 0'-00" tall by 0'-00" wide will fit between the bottom chord and any other members.		
7)	Refer to girder(s) for truss to truss connections.		
8)	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 3.		
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	Job Reference (optional)
19050112	J6L	Truss	4	1	



Scale = 1:45.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.02	5-6	>999	240	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.04	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 58 lb	FT = 20%

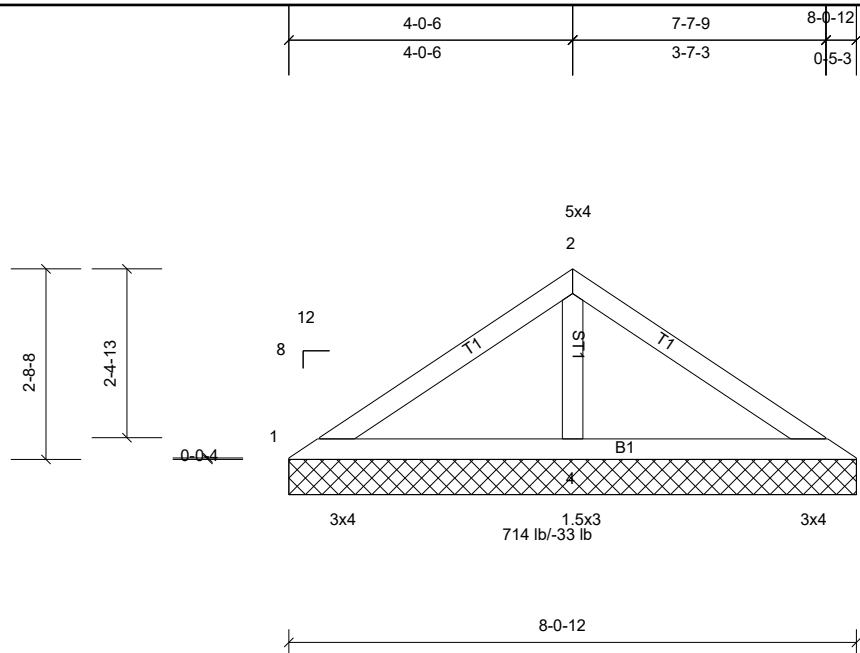
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3		
REACTIONS	(lb/size)		
	5=414/ Mechanical, (min. 0-1-8), 7=507/0-7-6, (min. 0-1-8)		
	Max Horiz 7=169 (LC 11)		
	Max Uplift 5=-106 (LC 9), 7=-61 (LC 12)		
	Max Grav 5=524 (LC 2), 7=656 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-7=-618/83, 2-8=-601/83, 3-8=-464/62		
BOT CHORD	6-12=-130/464, 5-12=-130/464		
WEBS	2-6=-77/477, 3-5=-532/124		

- NOTES**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 7 and 106 lb uplift at joint 5.
 - 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) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.

- LOAD CASE(S)** Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (lb/ft)
- Vert: 1-2=-59, 2-4=-59, 5-7=-20
- Concentrated Loads (lb)
- Vert: 10=-58, 11=2, 12=-40

Job	Truss	Truss Type	Qty	Ply	
19050112	V2	Truss	3	1	Job Reference (optional)

Run: 8.31 S May 22 2019 Print: 8.310 S May 22 2019 MiTek Industries, Inc. Mon Sep 16 08:35:02 Page: 1
ID:vftq08VDIIyUwBQznTyMaizlY2H-tvXrt_KHJIIACMwIBQbNvIHyBIOHIPuhq3aqWyd7G7



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 28 lb	FT = 20%

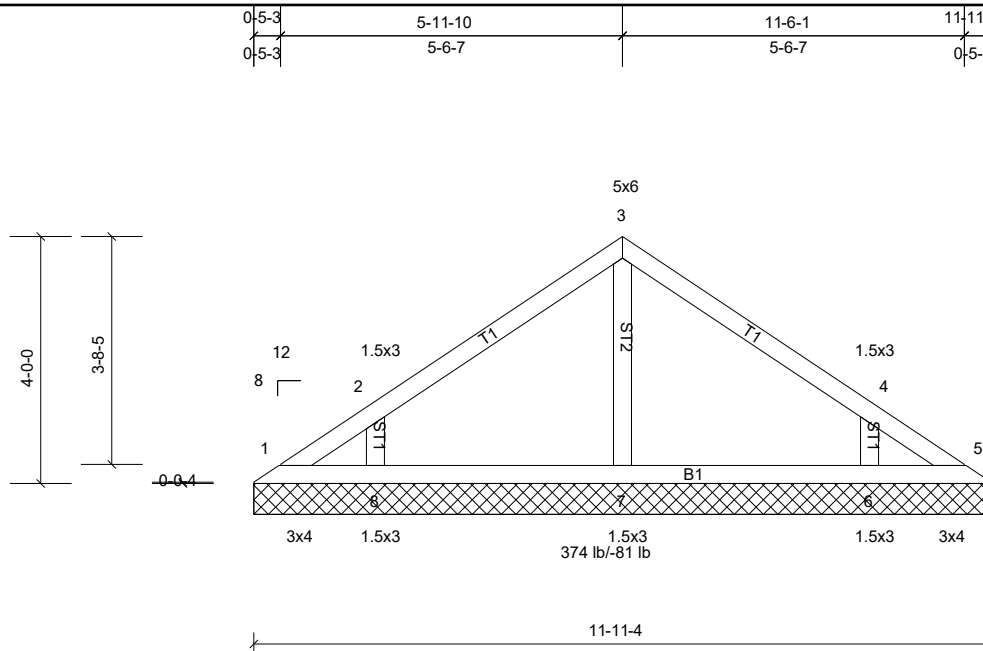
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 8-1-8 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3		
REACTIONS	(lb/size)	1=36/8-0-12, (min. 0-1-8), 3=36/8-0-12, (min. 0-1-8), 4=560/8-0-12, (min. 0-1-8)	
	Max Horiz	1=-51 (LC 8)	
	Max Uplift	1=-28 (LC 28), 3=-28 (LC 27), 4=-33 (LC 12)	
	Max Grav	1=93 (LC 27), 3=93 (LC 28), 4=714 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-85/319, 2-3=-49/319		
WEBS	2-4=-529/98		

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 4) This truss has been checked for uniform snow load only, except as noted.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 28 lb uplift at joint 3 and 33 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.

LOAD CASE(S)	Standard
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Job	Truss	Truss Type	Qty	Ply	
19050112	V3	Truss	1	1	Job Reference (optional)

Run: 8.31 S May 22 2019 Print: 8.310 S May 22 2019 MiTek Industries, Inc. Mon Sep 16 08:35:02 Page: 1
ID:vftq08VDIIYUwBQznTyMaizlY2H-tvXrt_KHJIIACMWiBQbNvIlIGBoaHlAuhq3aqWyd7G7

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LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		
REACTIONS			
	All bearings 11-11-4.		
(lb) - Max Horiz	1=-71 (LC 8)		
Max Uplift	All uplift 100 (lb) or less at joint(s) 1, 5, 6, 8		
Max Grav	All reactions 250 (lb) or less at joint(s) 1, 5 except 6=374 (LC 28), 7=327 (LC 2), 8=374 (LC 27)		
FORCES			
WEBS	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-8=-320/126, 4-6=-320/126		

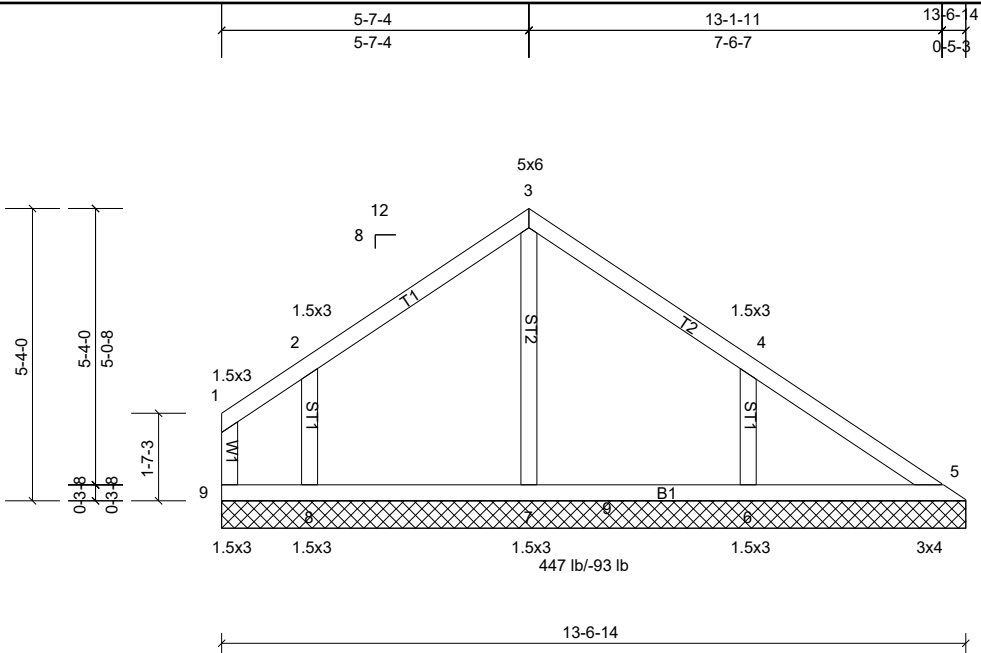
- NOTES**

 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Roof design snow load has been reduced to account for slope.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

LOAD CASE(S)	Standard
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	V4	Truss	1	1	



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 59 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 6-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		

REACTIONS	All bearings 13-6-14.
(lb) - Max Horiz	9=-111 (LC 10)
Max Uplift	All uplift 100 (lb) or less at joint(s) 5, 6, 8, 9
Max Grav	All reactions 250 (lb) or less at joint(s) 5, 9 except 6=447 (LC 28), 7=370 (LC 2), 8=378 (LC 27)

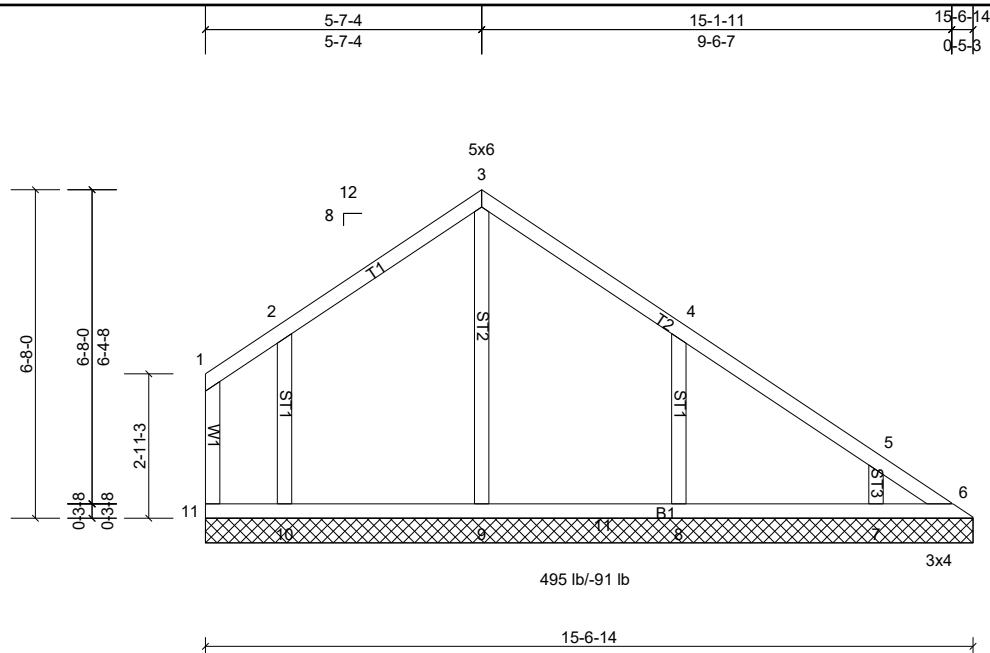
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	3-7=-291/2, 2-8=-312/127, 4-6=-351/134

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Roof design snow load has been reduced to account for slope.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 5, 8, 6.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
19050112	V5	Truss	1	1	Job Reference (optional)

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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 6-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		

REACTIONS	All bearings 15-6-14.
(lb) - Max Horiz	11=-150 (LC 8)
Max Uplift	All uplift 100 (lb) or less at joint(s) 6, 7, 8, 10, 11
Max Grav	All reactions 250 (lb) or less at joint(s) 6, 11 except 7=327 (LC 2), 8=480 (LC 24), 9=495 (LC 24), 10=438 (LC 23)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	3-9=-293/22, 2-10=-310/124, 4-8=-358/140, 5-7=-264/105

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 4) Roof design snow load has been reduced to account for slope.
 - 5) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 6, 10, 8, 7.
 - 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.

LOAD CASE(S)	Standard
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Job	Truss	Truss Type	Qty	Ply	
19050112	V6	Truss	1	1	Job Reference (optional)

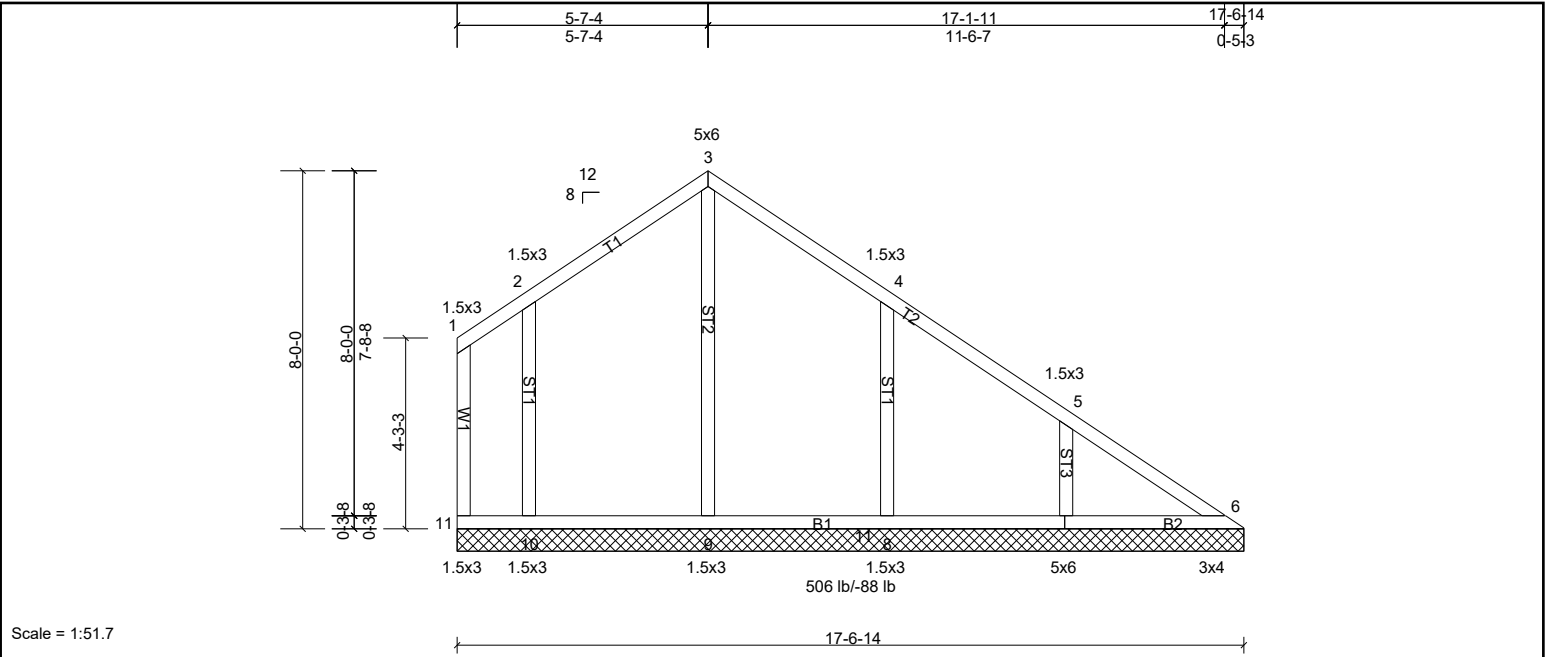
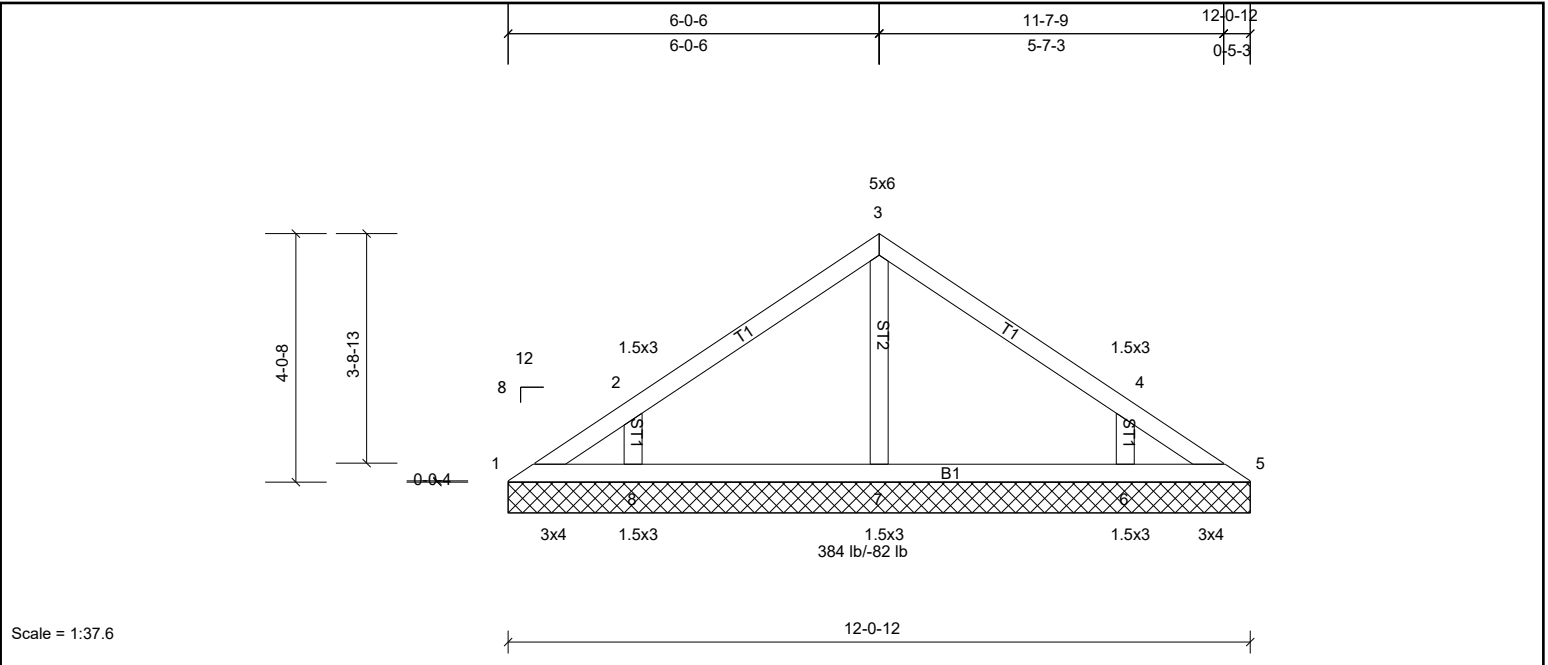


Plate Offsets (X, Y): [7:0-3-0,0-3-0]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	PLATES
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	MT20
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	GRIP
TCDL	10.0	Rep Stress Incr	YES	WB	0.34	Horiz(TL)	0.01	6	244/190
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-SH					
BCDL	10.0								Weight: 91 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 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 6-7.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		
REACTIONS	All bearings 17-6-14.		
(lb) - Max Horiz	11=-190 (LC 10)		
Max Uplift	All uplift 100 (lb) or less at joint(s) 6, 7, 8, 10, 11		
Max Grav	All reactions 250 (lb) or less at joint(s) 6, 11 except 7=413 (LC 2), 8=462 (LC 24), 9=506 (LC 24), 10=434 (LC 23)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
WEBS	3-9=-296/35, 2-10=-308/125, 4-8=-348/137, 5-7=-314/120		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Roof design snow load has been reduced to account for slope.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 6, 10, 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	Job Reference (optional)
19050112	V7	Truss	1	1	



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999	
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a	
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0									Weight: 45 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		
REACTIONS	All bearings 12-0-12.		
	(lb) - Max Horiz 1=-78 (LC 8)		
	Max Uplift All uplift 100 (lb) or less at joint(s) 1, 6, 8		
	Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=384 (LC 28), 7=321 (LC 2), 8=384 (LC 27)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
WEBS	2-8=-335/137, 4-6=-335/137		

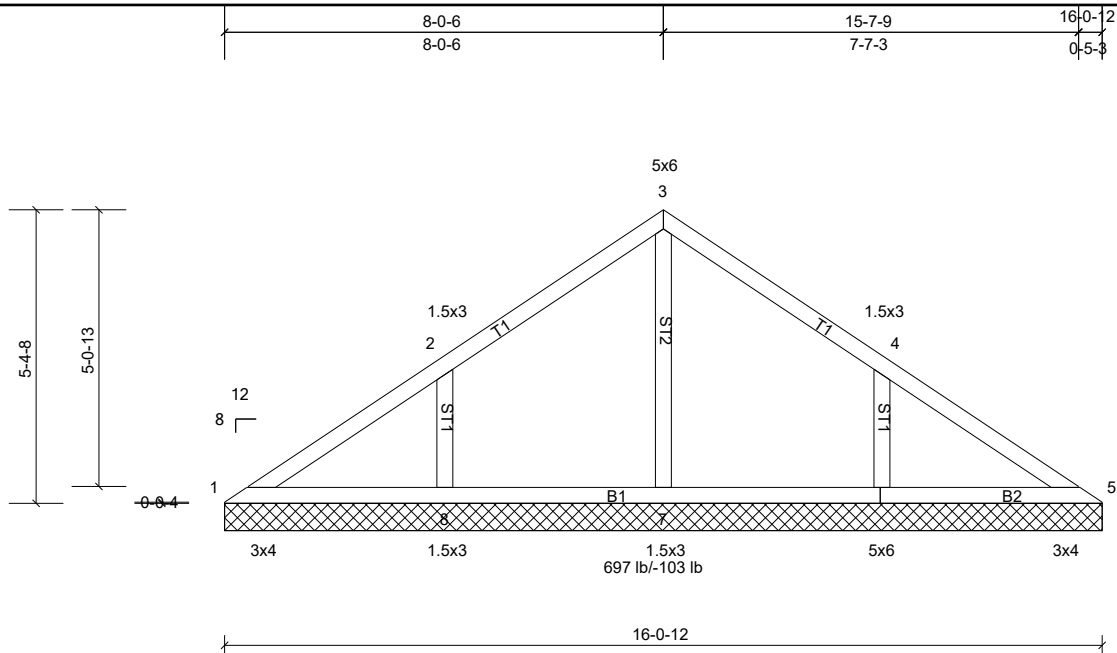
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- This truss has been checked for uniform snow load only, except as noted.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 6.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
19050112	V8	Truss	1	1	Job Reference (optional)

Run: 8.31 S May 22 2019 Print: 8.310 S May 22 2019 MiTek Industries, Inc. Mon Sep 16 08:35:03 Page: 1
ID:vftq08VDIIYuWbQznTyMaizlY2H-L54D4KLv4ct0pV5vl7Gqv6lQqa6J09W1wTo8Mzyd7G6



Scale = 1:42.4

Plate Offsets (X, Y):	[6:0-3-0,0-3-0]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horiz(TL)	-0.01	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 65 lb	FT = 20%

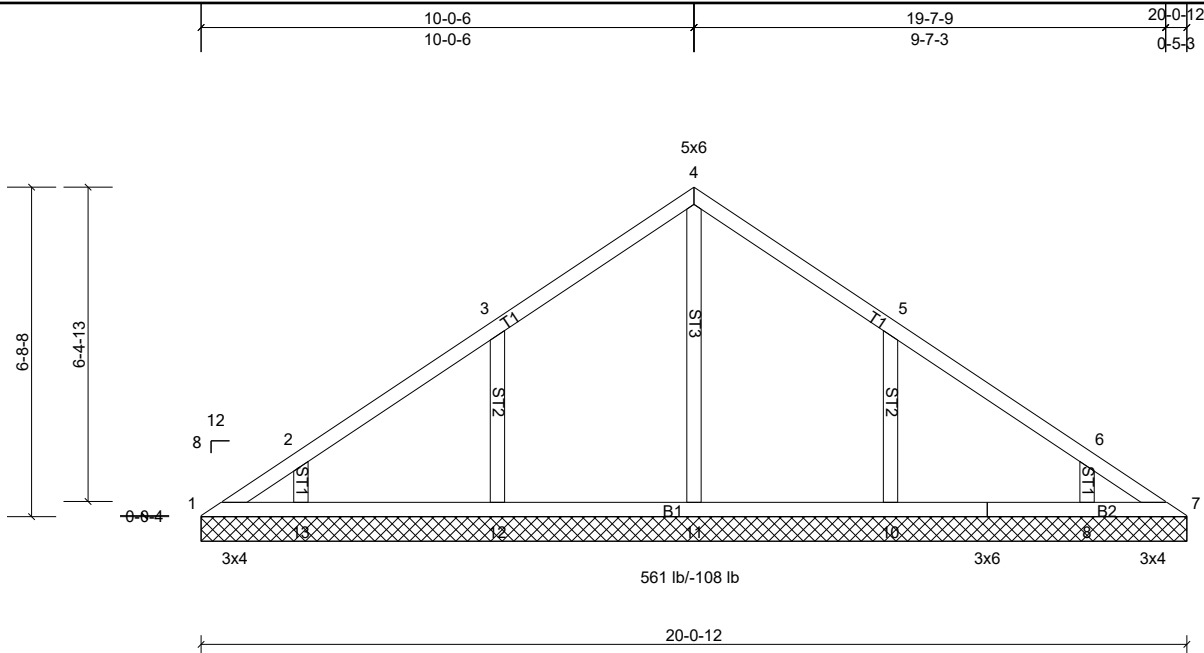
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3		BRACING TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.	
REACTIONS All bearings 16-0-12. (lb) - Max Horiz 1=105 (LC 11) Max Uplift All uplift 100 (lb) or less at joint(s) 1, 6 except 8=104 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) 1 except 6=466 (LC 28), 7=697 (LC 2), 8=470 (LC 27)			
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-92/409, 2-3=0/397, 3-4=0/395, 4-5=-25/406 BOT CHORD 1-8=-265/70, 7-8=-265/55, 6-7=-265/55, 5-6=-260/53 WEBS 3-7=-635/0, 2-8=-358/141, 4-6=-356/139			

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TC LL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) This truss has been checked for uniform snow load only, except as noted.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6 except (jt=lb) 8=103.
- 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
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	V9	Truss	1	1	



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999	
TCDL	10.0	Rep Stress Incr	YES	WB	0.28	Horiz(TL)	0.00	7	n/a	n/a	
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MSH							
BCDL	10.0									Weight: 86 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3		

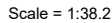
REACTIONS	All bearings 20-0-12.
(lb) - Max Horiz	1=-132 (LC 8)
Max Uplift	All uplift 100 (lb) or less at joint(s) 1, 8, 13, 7 except 10=-109 (LC 13), 12=-101 (LC 12)
Max Grav	All reactions 250 (lb) or less at joint(s) 1 except 8=368 (LC 2), 10=471 (LC 24), 11=561 (LC 26), 12=484 (LC 23), 13=331 (LC 27)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	4-11=-358/0, 3-12=-358/149, 2-13=-268/112, 5-10=-352/152, 6-8=-282/104

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been checked for uniform snow load only, except as noted.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 8 except (jt=lb) 12=101, 10=108.
 - 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
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Run: 8.31 S May 22 2019 Print: 8.310 S May 22 2019 MiTek Industries, Inc. Mon Sep 16 08:35:03 Page: 1
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[illegible]

REACTIONS	(lb/size)	1=17/6-8-2, (min. 0-1-8), 5=145/6-8-2, (min. 0-1-8), 6=315/6-8-2, (min. 0-1-8)
Max Horiz		1=112 (LC 9)
Max Uplift		1=-26 (LC 10), 5=-12 (LC 12), 6=-74 (LC 12)
Max Grav		1=58 (LC 9), 5=185 (LC 2), 6=401 (LC 2)

NOTES

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|---------------------|----------|
| LOAD CASE(S) | Standard |
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	V11	Truss	1	1	

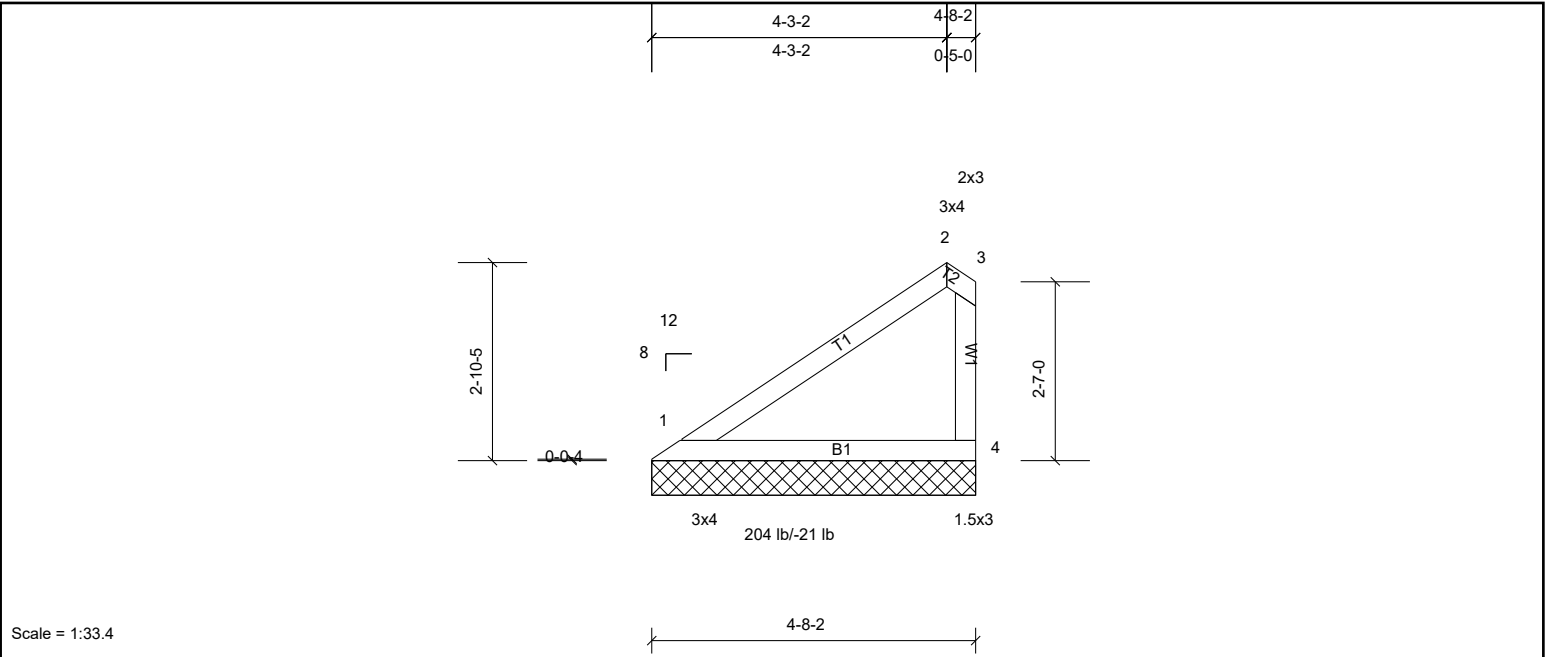
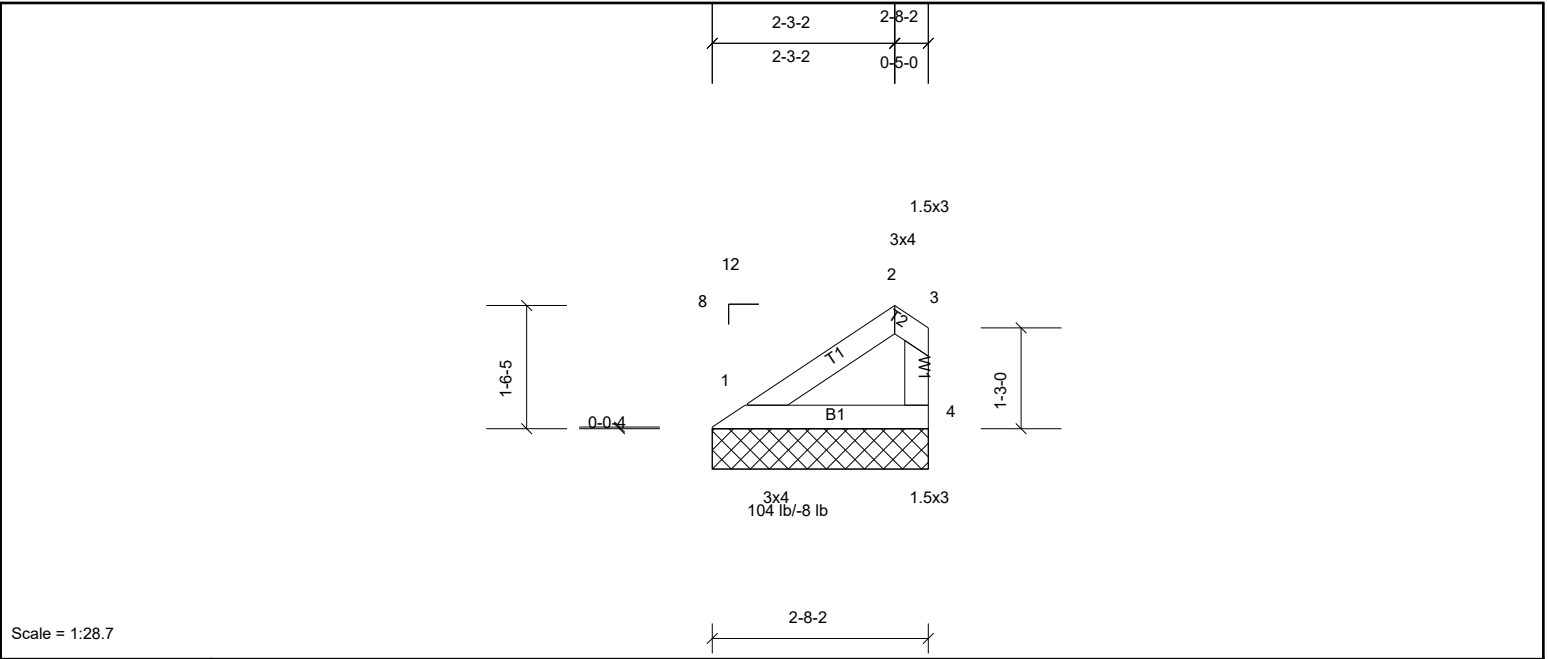


Plate Offsets (X, Y): [2:0-2-0,Edge]												
Loading (psf)		Spacing 2-0-0		CSI		DEFL in (loc)		l/defl L/d		PLATES GRIP		
TCLL (roof) 30.0		Plate Grip DOL 1.15		TC 0.27		Vert(LL) n/a - n/a 999				MT20 244/190		
Snow (Ps/Pg) 19.3/25.0		Lumber DOL 1.15		BC 0.18		Vert(TL) n/a - n/a 999						
TCDL 10.0		Rep Stress Incr YES		WB 0.00		Horiz(TL) n/a - n/a n/a						
BCLL 0.0 *		Code IRC2015/TPI2014		Matrix-R								
BCDL 10.0										Weight: 18 lb FT = 20%		

LUMBER			BRACING	
TOP CHORD	2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 4-8-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3			
REACTIONS	(lb/size)	1=160/4-8-2, (min. 0-1-8), 4=160/4-8-2, (min. 0-1-8)		
	Max Horiz	1=73 (LC 9)		
	Max Uplift	1=-1 (LC 12), 4=-21 (LC 12)		
	Max Grav	1=204 (LC 2), 4=204 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
NOTES				
1) Unbalanced roof live loads have been considered for this design.				
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60				
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10				
4) Roof design snow load has been reduced to account for slope.				
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.				
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 21 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.				
LOAD CASE(S)	Standard			

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	V12	Truss	1	1	



Scale = 1:28.7

Plate Offsets (X, Y):		[2:0-2-0,Edge]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	n/a	-	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-R								
BCDL	10.0										Weight: 9 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-8-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS	(lb/size)	1=82/2-8-2, (min. 0-1-8), 4=82/2-8-2, (min. 0-1-8)
	Max Horiz	1=34 (LC 9)
	Max Uplift	1=-1 (LC 12), 4=-8 (LC 12)
	Max Grav	1=104 (LC 2), 4=104 (LC 2)

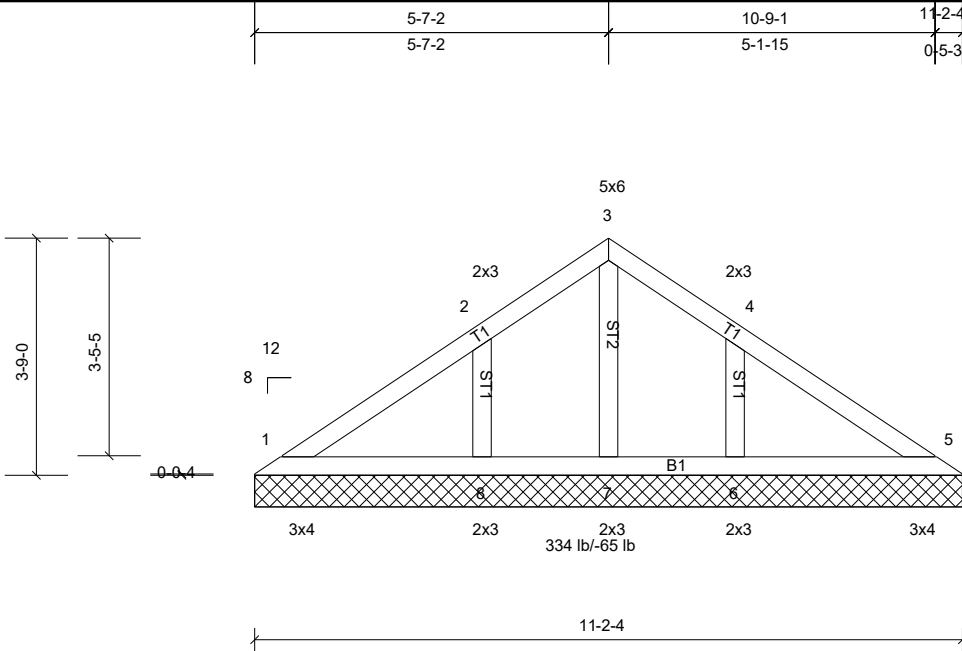
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) Roof design snow load has been reduced to account for slope.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 8 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
19050112	V13	Truss	1	1	



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	244/190
Snow (Ps/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999	
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	5	n/a	n/a	
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-SH							
BCDL	10.0									Weight: 45 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		

REACTIONS	All bearings 11-2-4.
(lb) - Max Horiz	1=66 (LC 11)
Max Uplift	All uplift 100 (lb) or less at joint(s) 6, 8
Max Grav	All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=334 (LC 2), 8=334 (LC 2)

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

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Ps=19.2 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 5) Roof design snow load has been reduced to account for slope.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
- 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