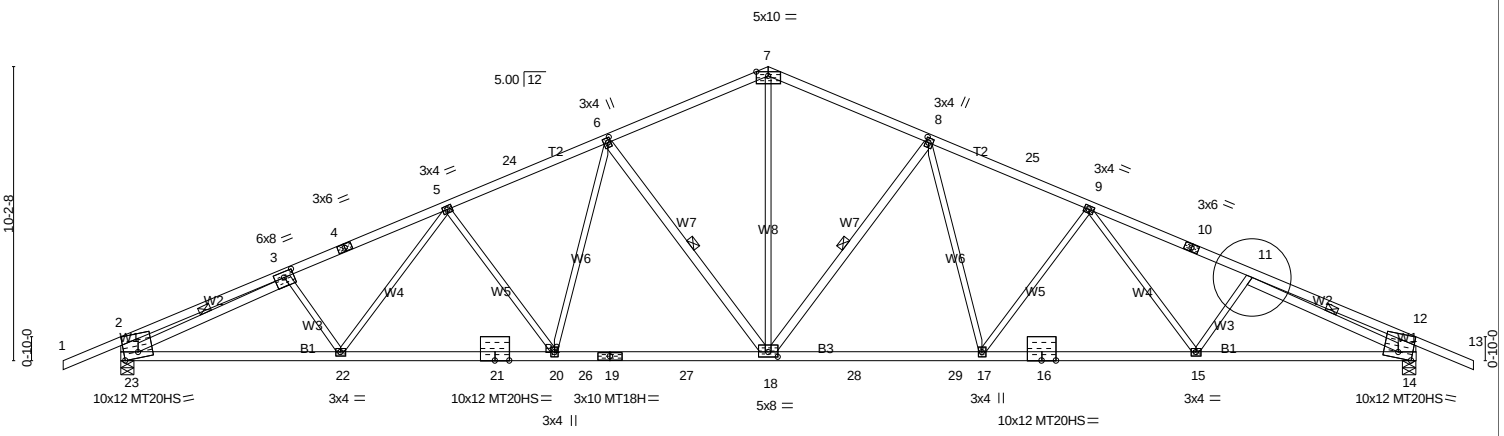
Job	Truss	Truss Type	Qty	Ply	
	R1	COMMON	7	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:04 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-C1rawVH2Knhiyrs8lEZy_nA7xzpjROX7Jdcj3tytZAv

2-0-0	5-9-6	11-4-4	16-11-2	22-6-0	28-0-14	33-7-12	39-2-10	45-0-0	47-0-0
2-0-0	5-9-6	5-6-14	5-6-14	5-6-14	5-6-14	5-6-14	5-6-14	5-9-6	2-0-0

Scale = 1:80.1



7-7-11	15-0-13	22-6-0	29-11-3	37-4-5	45-0-0
7-7-11	7-5-3	7-5-3	7-5-3	7-5-3	7-7-11

Plate Offsets (X,Y)-- [2:0-3-14,0-0-12], [3:0-4-0,0-2-4], [6:0-2-0,0-1-4], [8:0-2-0,0-1-4], [12:0-3-14,0-0-12], [14:0-5-14,Edge], [18:0-4-0,0-2-0], [23:0-5-14,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.48	18	>999	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.72	18-20	>736	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.27	14	n/a	n/a	MT18H	197/144
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 194 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
B1: 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
W7: 2x4 SPF No.3, W1: 2x8 SPF No.2, W2: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-13 oc bracing.
WEBS 1 Row at midpt 8-18, 6-18, 3-23, 11-14

REACTIONS. (lb/size) 23=3198/0-5-8 (min. 0-5-0), 14=3198/0-5-8 (min. 0-5-0)
Max Horz 23=-187(LC 13)
Max Uplift23=-344(LC 12), 14=-344(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/181, 2-3=-886/341, 3-4=-5225/927, 4-5=-5111/943, 5-24=-4682/897, 6-24=-4558/920, 6-7=-3696/808, 7-8=-3696/808, 8-25=-4558/920, 9-25=-4682/897, 9-10=-5111/943, 10-11=-5225/927, 11-12=-886/341, 12-13=0/181, 2-23=-905/259, 12-14=-905/259
BOT CHORD 22-23=-694/4744, 21-22=-630/4622, 20-21=-630/4622, 20-26=-469/4023, 19-26=-469/4023, 19-27=-469/4023, 18-27=-469/4023, 18-28=-469/4023, 28-29=-469/4023, 17-29=-469/4023, 16-17=-630/4622, 15-16=-630/4622, 14-15=-694/4744
WEBS 7-18=-412/2101, 8-18=-1580/312, 8-17=-108/795, 9-17=-747/234, 9-15=-33/222, 11-15=-52/145, 6-18=-1580/312, 6-20=-108/795, 5-20=-747/234, 5-22=-32/222, 3-22=-52/145, 3-23=-4604/901, 11-14=-4604/901

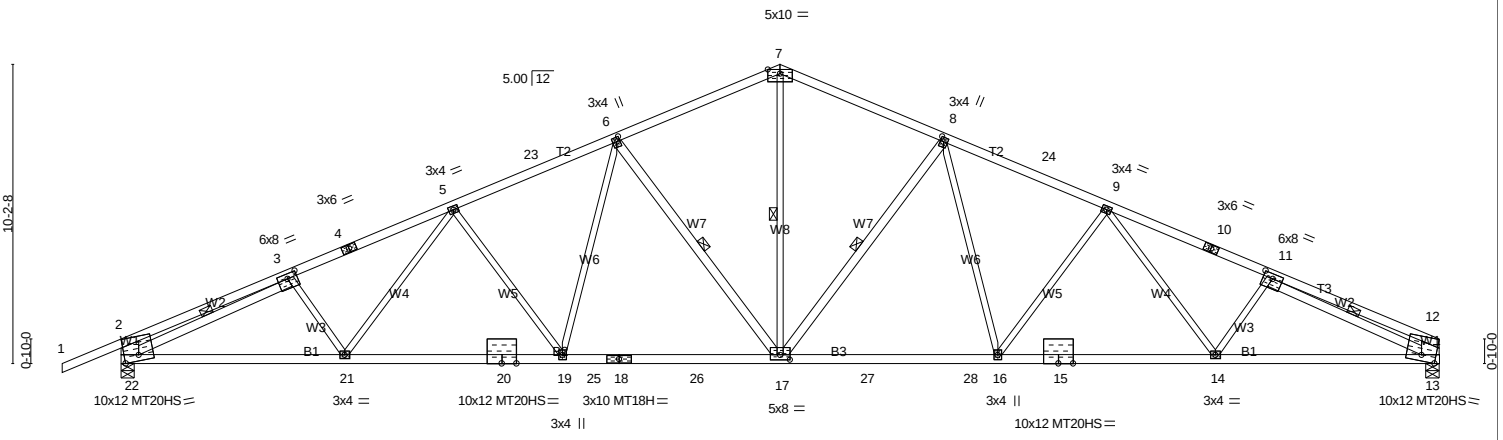
NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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 19.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 344 lb uplift at joint 23 and 344 lb uplift at joint 14.
10) Following joints to be plated by qualified designer: Joint(s) 11, not plated.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	R1A	COMMON	4	1	Job Reference (optional)

8.220 s Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:06 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-8PzKLBIIsOxQB90XtfbQ3CGTQmV8vJJQmx5p8mytZAt

2-0-0	5-9-6	11-4-4	16-11-2	22-6-0	28-0-14	33-7-12	39-2-10	45-0-0
2-0-0	5-9-6	5-6-14	5-6-14	5-6-14	5-6-14	5-6-14	5-6-14	5-9-6

Scale = 1:78.6



7-7-11	15-0-13	22-6-0	29-11-3	37-4-5	45-0-0
7-7-11	7-5-3	7-5-3	7-5-3	7-5-3	7-7-11

Plate Offsets (X,Y)-- [2:0-3-14,0-0-12], [3:0-4-0,0-2-0], [6:0-1-12,0-1-4], [8:0-1-12,0-1-4], [11:0-4-0,0-2-0], [12:0-3-14,0-0-12], [13:0-5-14,Edge], [17:0-4-0,0-2-0], [22:0-5-14,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.49	17	>999	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.73	16-17	>734	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.27	13	n/a	n/a	MT18H	197/144
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 191 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
B1: 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
W7: 2x4 SPF No.3, W1: 2x8 SPF No.2, W2: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-5-11 oc bracing.
WEBS 1 Row at midpt 7-17, 8-17, 6-17, 3-22, 11-13

REACTIONS. (lb/size) 22=3204/0-5-8 (min. 0-5-0), 13=2932/0-5-8 (min. 0-4-10)
Max Horz 22=204(LC 12)
Max Uplift22=-344(LC 12), 13=-286(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/181, 2-3=-887/337, 3-4=-5239/934, 4-5=-5126/950, 5-23=-4698/916, 6-23=-4573/928, 6-7=-3712/816, 7-8=-3712/816, 8-24=-4589/936, 9-24=-4713/913, 9-10=-5188/983, 10-11=-5302/966, 11-12=-1273/243, 2-22=-906/260, 12-13=-788/188
BOT CHORD 21-22=-771/4756, 20-21=-709/4636, 19-20=-709/4636, 19-25=-548/4038, 18-25=-548/4038, 18-26=-548/4038, 17-26=-548/4038, 17-27=-553/4048, 27-28=-553/4048, 16-28=-553/4048, 15-16=-723/4665, 14-15=-723/4665, 13-14=-813/4837
WEBS 7-17=-419/2113, 8-17=-1596/320, 8-16=-118/813, 9-16=-771/246, 9-14=-42/230, 11-14=-93/153, 6-17=-1539/312, 6-19=-108/785, 5-19=-735/233, 5-21=-32/221, 3-21=-62/145, 3-22=-4616/906, 11-13=-4300/744

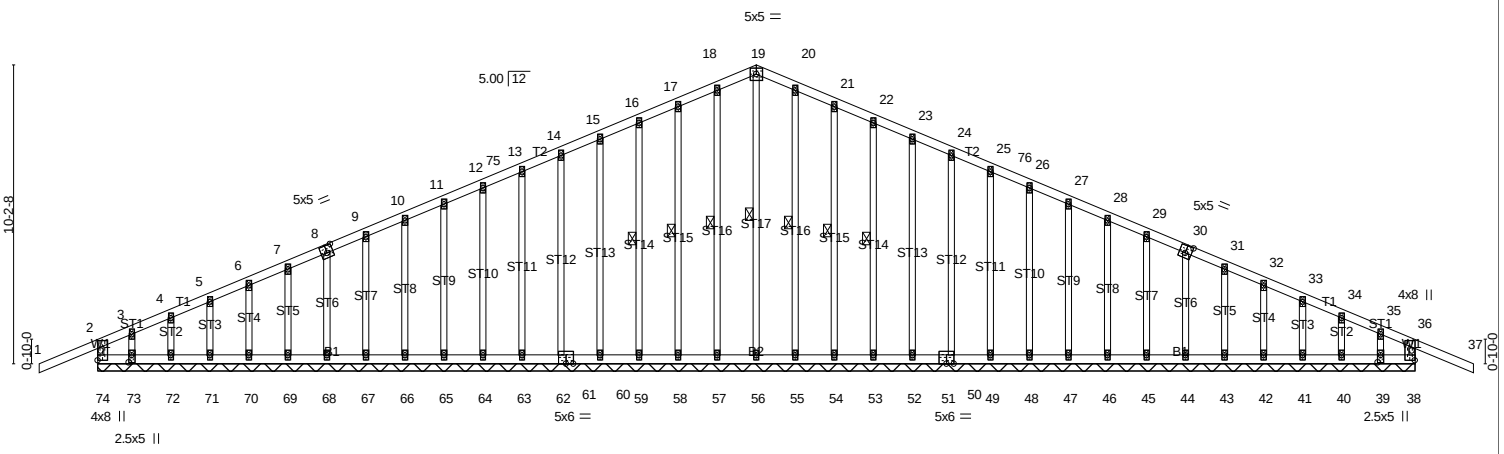
NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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 19.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 344 lb uplift at joint 22 and 286 lb uplift at joint 13.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	R1G	GABLE	2	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:11 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-VNmDOuMRhwZjIwuUfCBbmFzLtnOVaji9wDpapzytZAo

2-0-0 22-6-0 45-0-0 47-0-0
2-0-0 22-6-0 22-6-0 2-0-0

Scale = 1:78.7



45-0-0
45-0-0

Plate Offsets (X,Y)-- [2:0-0-8,0-1-4], [8:0-2-8,0-3-0], [30:0-2-8,0-3-0], [36:0-0-8,0-1-4], [38:0-0-0,0-1-4], [39:0-3-0,0-1-4], [50:0-1-4,0-0-0], [51:0-0-0,0-1-12], [61:0-0-0,0-1-12], [62:0-1-4,0-0-0], [73:0-3-0,0-1-4], [74:0-0-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	46.2	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	0.02	37	n/r	120	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.09	Vert(CT)	0.01	37	n/r	90		
TCDL	10.0	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.01	38	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 249 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
T1: 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 19-56, 18-57, 17-58, 16-59, 20-55, 21-54, 22-53

REACTIONS. (lb/size) 74=528/45-0-0 (min. 0-10-1), 38=528/45-0-0 (min. 0-10-1), 56=200/45-0-0 (min. 0-10-1), 57=183/45-0-0 (min. 0-10-1), 58=175/45-0-0 (min. 0-10-1), 59=176/45-0-0 (min. 0-10-1), 60=177/45-0-0 (min. 0-10-1), 62=177/45-0-0 (min. 0-10-1), 63=177/45-0-0 (min. 0-10-1), 64=177/45-0-0 (min. 0-10-1), 65=177/45-0-0 (min. 0-10-1), 66=176/45-0-0 (min. 0-10-1), 67=180/45-0-0 (min. 0-10-1), 68=175/45-0-0 (min. 0-10-1), 69=173/45-0-0 (min. 0-10-1), 70=178/45-0-0 (min. 0-10-1), 71=168/45-0-0 (min. 0-10-1), 72=223/45-0-0 (min. 0-10-1), 73=-118/45-0-0 (min. 0-10-1), 55=183/45-0-0 (min. 0-10-1), 54=175/45-0-0 (min. 0-10-1), 53=176/45-0-0 (min. 0-10-1), 52=177/45-0-0 (min. 0-10-1), 50=177/45-0-0 (min. 0-10-1), 49=177/45-0-0 (min. 0-10-1), 48=177/45-0-0 (min. 0-10-1), 47=177/45-0-0 (min. 0-10-1), 46=176/45-0-0 (min. 0-10-1), 45=180/45-0-0 (min. 0-10-1), 44=175/45-0-0 (min. 0-10-1), 43=173/45-0-0 (min. 0-10-1), 42=178/45-0-0 (min. 0-10-1), 41=168/45-0-0 (min. 0-10-1), 40=223/45-0-0 (min. 0-10-1), 39=-118/45-0-0 (min. 0-10-1)
Max Horz 74=-187(LC 13)
Max Uplift 74=-72(LC 13), 38=-74(LC 9), 57=-5(LC 12), 58=-41(LC 12), 59=-35(LC 12), 60=-34(LC 12), 62=-34(LC 12), 63=-34(LC 12), 64=-34(LC 12), 65=-34(LC 12), 66=-34(LC 12), 67=-35(LC 12), 68=-35(LC 12), 69=-32(LC 12), 70=-34(LC 12), 71=-39(LC 12), 72=-18(LC 12), 73=-460(LC 18), 54=-43(LC 13), 53=-36(LC 13), 52=-34(LC 13), 50=-34(LC 13), 49=-34(LC 13), 48=-34(LC 13), 47=-34(LC 13), 46=-34(LC 13), 45=-35(LC 13), 44=-35(LC 13), 43=-32(LC 13), 42=-34(LC 13), 41=-37(LC 13), 40=-27(LC 13), 39=-460(LC 18)
Max Grav 74=853(LC 18), 38=853(LC 18), 56=220(LC 25), 57=261(LC 19), 58=259(LC 19), 59=255(LC 19), 60=256(LC 19), 62=258(LC 19), 63=246(LC 19), 64=190(LC 19), 65=177(LC 1), 66=176(LC 1), 67=181(LC 19), 68=175(LC 1), 69=173(LC 19), 70=178(LC 19), 71=168(LC 1), 72=225(LC 19), 73=81(LC 17), 55=261(LC 20), 54=259(LC 20), 53=255(LC 20), 52=256(LC 20), 50=258(LC 20), 49=246(LC 20), 48=190(LC 20), 47=177(LC 1), 46=176(LC 1), 45=181(LC 20), 44=175(LC 1), 43=173(LC 20), 42=178(LC 20), 41=168(LC 1), 40=225(LC 20), 39=34(LC 16)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-74=-795/208, 1-2=0/166, 2-3=-201/94, 3-4=-175/132, 4-5=-150/121, 5-6=-124/127, 6-7=-100/132, 7-8=-82/137, 8-9=-64/146, 9-10=-46/155, 10-11=-40/169, 11-12=-50/184, 12-75=-60/195, 13-75=-54/198, 13-14=-69/213, 14-15=-79/231, 15-16=-89/259, 16-17=-99/288, 17-18=-110/319, 18-19=-113/329, 19-20=-113/329, 20-21=-110/319, 21-22=-99/288, 22-23=-89/259, 23-24=-79/231, 24-25=-69/203, 25-76=-54/175, 26-76=-60/171, 26-27=-50/146, 27-28=-40/118, 28-29=-30/110, 29-30=-20/110, 30-31=-15/109, 31-32=-33/110, 32-33=-58/110, 33-34=-83/106, 34-35=-110/132, 35-36=-127/45, 36-37=0/166, 36-38=-795/208
BOT CHORD 73-74=-96/174, 72-73=-96/174, 71-72=-96/174, 70-71=-96/174, 69-70=-96/174, 68-69=-96/174, 67-68=-97/175, 66-67=-97/175, 65-66=-97/175, 64-65=-97/175, 63-64=-97/175, 62-63=-97/175, 61-62=-97/175, 60-61=-97/175, 59-60=-97/175, 58-59=-97/175, 57-58=-97/175, 56-57=-97/175, 55-56=-97/175, 54-55=-97/175, 53-54=-97/175, 52-53=-97/175, 51-52=-97/175, 50-51=-97/175, 49-50=-97/175, 48-49=-97/175, 47-48=-97/175, 46-47=-97/175, 45-46=-97/175, 44-45=-97/175, 43-44=-96/174, 42-43=-96/174, 41-42=-96/174, 40-41=-96/174, 39-40=-96/174, 38-39=-96/174
WEBS 19-56=-193/15, 18-57=-234/21, 17-58=-232/67, 16-59=-229/59, 15-60=-229/57, 14-62=-232/57, 13-63=-220/57, 12-64=-164/57, 11-65=-150/57, 10-66=-149/57, 9-67=-154/58, 8-68=-149/58, 7-69=-147/55, 6-70=-151/58, 5-71=-144/54, 4-72=-189/75, 3-73=-62/427, 20-55=-234/11, 21-54=-232/67, 22-53=-229/59, 23-52=-229/57, 24-50=-232/57, 25-49=-220/57, 26-48=-164/57, 27-47=-150/57, 28-46=-149/57, 29-45=-154/58, 30-44=-149/58, 31-43=-147/55, 32-42=-151/58, 33-41=-144/54, 34-40=-189/75, 35-39=-62/427

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only.
3) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.10
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 19.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	
	R1G	GABLE	2	1	Job Reference (optional)

ID:4VdSzEep8lnXh22eN1ET0TytaUM-VNmDOuMRhwZjIwuUfCBbmFzLtnOVaji9wDpapzytZAo

NOTES-

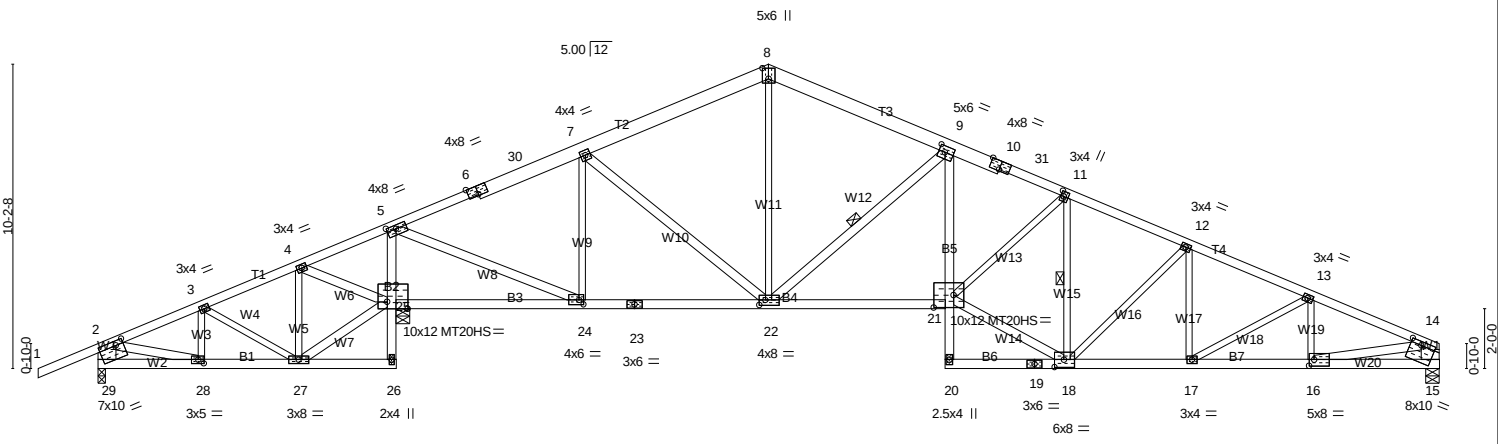
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 1-4-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 74, 74 lb uplift at joint 38, 5 lb uplift at joint 57, 41 lb uplift at joint 58, 35 lb uplift at joint 59, 34 lb uplift at joint 60, 34 lb uplift at joint 62, 34 lb uplift at joint 63, 34 lb uplift at joint 64, 34 lb uplift at joint 65, 34 lb uplift at joint 66, 35 lb uplift at joint 67, 35 lb uplift at joint 68, 32 lb uplift at joint 69, 34 lb uplift at joint 70, 39 lb uplift at joint 71, 18 lb uplift at joint 72, 460 lb uplift at joint 73, 43 lb uplift at joint 54, 36 lb uplift at joint 53, 34 lb uplift at joint 52, 34 lb uplift at joint 50, 34 lb uplift at joint 49, 34 lb uplift at joint 48, 34 lb uplift at joint 47, 34 lb uplift at joint 46, 35 lb uplift at joint 45, 35 lb uplift at joint 44, 32 lb uplift at joint 43, 34 lb uplift at joint 42, 37 lb uplift at joint 41, 27 lb uplift at joint 40 and 460 lb uplift at joint 39.
14) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	R2	SPECIAL	9	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:14 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-vySM1wOJ_ryI9Od3LLkIOubqP?C8nwybcB1EQIytZAI

-2-0-0	3-5-11	6-8-13	10-0-0	16-3-0	22-6-0	28-5-0	32-6-2	36-7-4	40-8-6	45-0-0
2-0-0	3-5-11	3-3-3	3-3-3	6-3-0	6-3-0	5-11-0	4-1-2	4-1-2	4-1-2	4-3-10

Scale = 1:77.3



3-5-11	6-8-13	10-0-0	16-3-0	22-6-0	28-5-0	32-6-2	36-7-4	40-8-6	45-0-0
3-5-11	3-3-3	3-3-3	6-3-0	6-3-0	5-11-0	4-1-2	4-1-2	4-1-2	4-3-10

Plate Offsets (X,Y)-- [5:0-3-12,0-1-8], [6:0-4-0,Edge], [8:0-4-4,0-2-8], [9:0-2-8,0-2-8], [10:0-4-0,Edge], [11:0-2-0,0-1-4], [15:0-3-6,0-1-6], [15:0-4-4,0-1-8], [16:0-2-0,0-2-8], [18:0-3-12,0-3-0], [21:0-8-0,0-5-0], [22:0-2-8,0-2-0], [24:0-1-12,0-1-12], [25:0-8-4,Edge], [28:0-2-4,0-1-8], [29:0-3-6,0-1-6], [29:0-3-0,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.33	21-22	>999	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.48	21-22	>879	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.14	15	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R							Weight: 220 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except*
T1: 2x4 SPF 1650F 1.5E, T4: 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B4: 2x4 SPF 1650F 1.5E
WEBS 2x3 SPF No.2 *Except*
W7,W6,W10,W12,W2: 2x4 SPF No.3, W8,W14,W20: 2x4 SPF No.2
W1: 2x8 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 9-22, 11-18

REACTIONS. (lb/size) 29=502/0-3-0 (min. 0-1-8), 25=3443/0-5-8 (min. 0-5-6), 15=2192/0-5-8 (min. 0-3-10)
Max Horz 29=203(LC 12)
Max Uplift29=-102(LC 8), 25=-332(LC 12), 15=-262(LC 13)
Max Grav29=606(LC 19), 25=3443(LC 1), 15=2299(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/181, 2-3=-196/381, 3-4=-45/659, 4-5=-196/1621, 5-6=-2060/414, 6-30=-1920/415, 7-30=-1838/429, 7-8=-2424/552, 8-9=-2504/549, 9-10=-4094/768, 10-31=-4170/760, 11-31=-4287/752, 11-12=-3552/675, 12-13=-3971/707, 13-14=-3912/659, 2-29=-562/227, 14-15=-2211/398
BOT CHORD 28-29=-631/167, 27-28=-324/133, 26-27=-51/0, 25-26=0/47, 5-25=-3141/585, 24-25=-1374/314, 23-24=-139/1789, 22-23=-139/1789, 21-22=-435/3937, 20-21=0/76, 9-21=-169/1358, 19-20=-16/77, 18-19=-16/77, 17-18=-527/3593, 16-17=-558/3516, 15-16=-113/601
WEBS 3-28=-47/125, 3-27=-417/95, 4-27=-67/575, 25-27=-629/164, 4-25=-1106/245, 5-24=-490/3353, 7-24=-1176/269, 7-22=-47/871, 8-22=-186/1016, 9-22=-2385/404, 18-21=-456/3572, 11-21=-25/956, 11-18=-1291/168, 12-18=-582/159, 12-17=0/161, 13-17=0/109, 13-16=-462/132, 2-28=-208/449, 14-16=-452/2954

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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 19.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 29, 332 lb uplift at joint 25 and 262 lb uplift at joint 15.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	R3	ROOF TRUSS	6	1	Job Reference (optional)

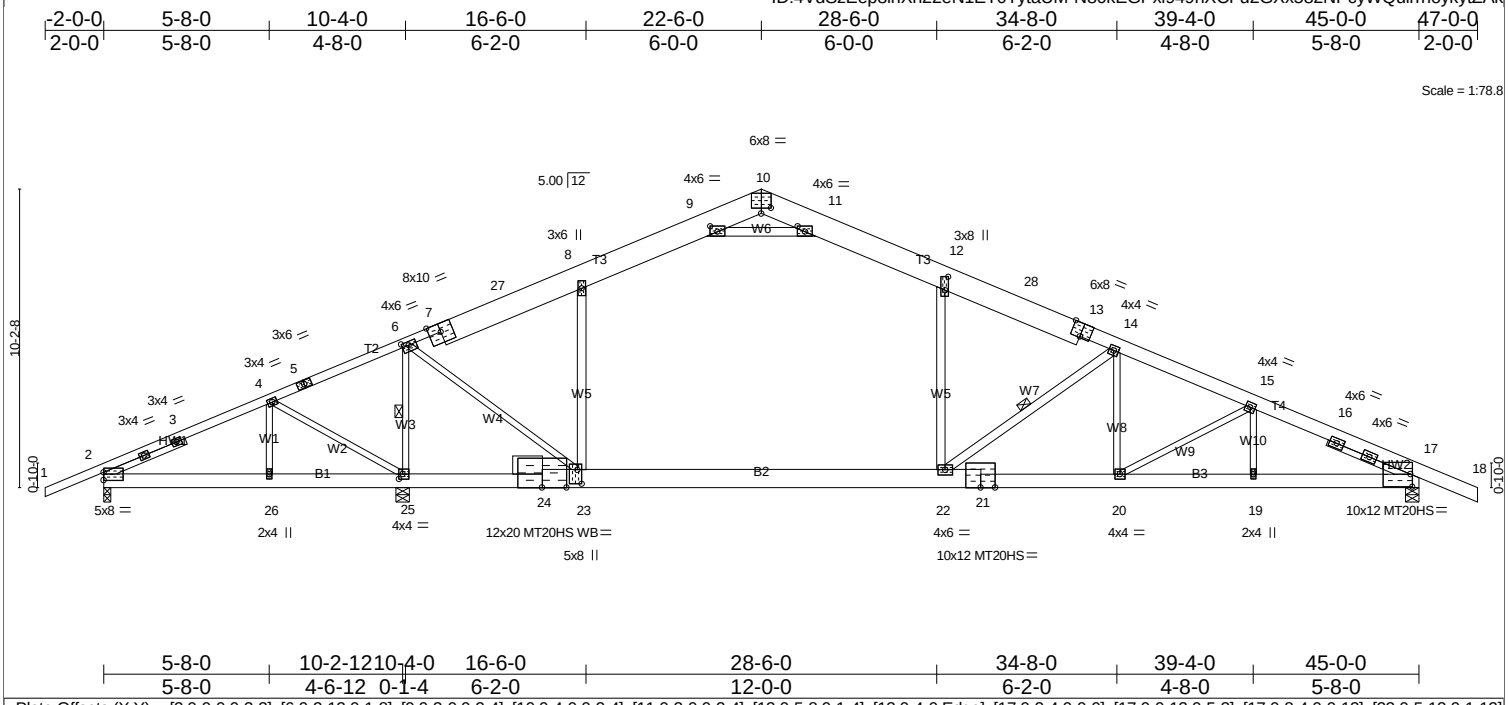


Plate Offsets (X,Y)-- [2:0-0-0,0-3-3], [6:0-2-12,0-1-8], [9:0-3-0,0-2-4], [10:0-4-0,0-2-4], [11:0-3-0,0-2-4], [12:0-5-8,0-1-4], [13:0-4-0,Edge], [17:0-3-4,0-0-0], [17:0-0-12,0-5-3], [17:0-8-4,0-0-12], [23:0-5-12,0-1-12], [25:0-1-8,0-2-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.68	20-22	>612	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.92	20-22	>448	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.11	17	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R		Attic	-0.36	22-23	407	360	Weight: 296 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x10 SP 2400F 2.0E *Except*
T2,T1: 2x4 SPF 1650F 1.5E, T4: 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E *Except*
B2: 2x8 SP 2400F 2.0E
WEBS 2x3 SPF No.2 *Except*
W5,W6: 2x4 SPF No.2, W7: 2x4 SPF No.3
OTHERS 2x8 SPF No.2
SLIDER Left 2x3 SPF No.2 3-0-7, Right 2x3 SPF No.2 3-0-7

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-25, 14-22

REACTIONS. (lb/size) 2=1652/0-3-0 (min. 0-2-9), 25=2075/0-5-8 (min. 0-4-2), 17=2798/0-5-8 (min. 0-4-11)
Max Horz 2=-186(LC 10)
Max Uplift2=-164(LC 10), 25=-305(LC 9), 17=-328(LC 10)
Max Grav 2=1652(LC 1), 25=2618(LC 15), 17=3000(LC 16)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/78, 2-3=-2656/334, 3-4=-2594/358, 4-5=-2397/380, 5-6=-2369/396, 6-7=-3340/507, 7-27=-3301/512, 8-27=-3273/524, 8-9=-3206/607, 9-10=-321/273, 10-11=-250/548, 11-12=-3057/569, 12-28=-3536/563, 13-28=-3631/553, 13-14=-3770/548, 14-15=-5026/739, 15-16=-5022/694, 16-17=-5186/673, 17-18=0/96
BOT CHORD 2-26=-196/2338, 25-26=-196/2338, 24-25=-79/2187, 23-24=-78/2201, 22-23=-169/3119, 21-22=-469/4625, 20-21=-474/4638, 19-20=-498/4488, 17-19=-498/4488
WEBS 4-26=0/200, 4-25=-644/163, 6-25=-2357/309, 6-23=-113/2050, 8-23=-800/218, 12-22=-60/1308, 14-22=-1945/384, 14-20=-54/289, 15-20=-15/215, 15-19=-89/138, 9-11=-3493/605

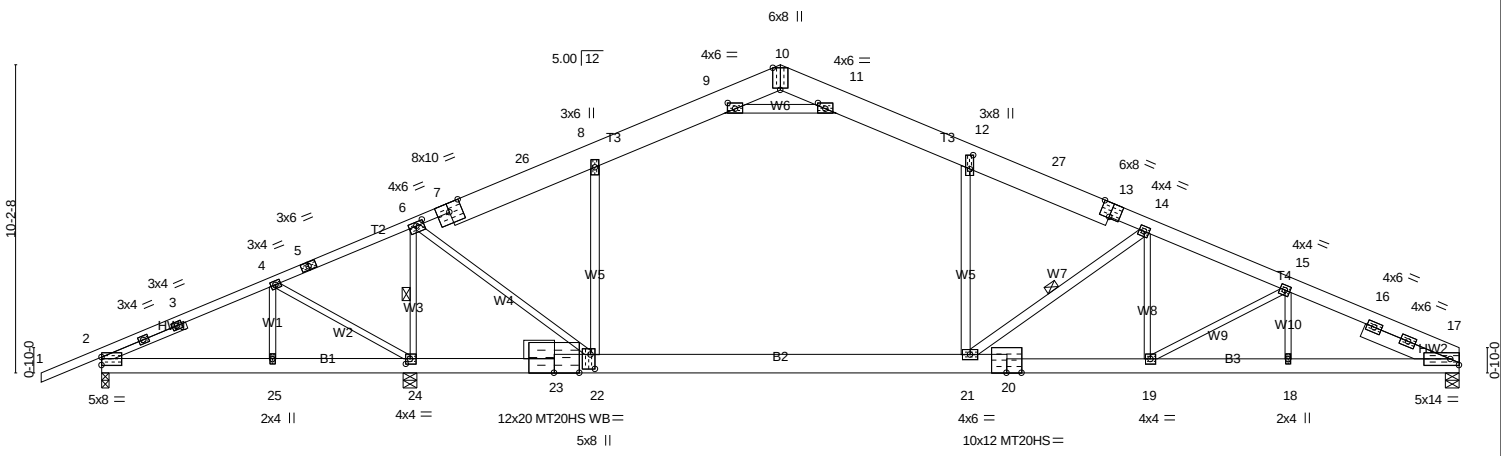
NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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 19.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 8-9, 11-12, 9-11
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 22-23
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 2, 305 lb uplift at joint 25 and 328 lb uplift at joint 17.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	
	R3A	ROOF TRUSS	2	1	Job Reference (optional)

8.220 s Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:17 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-JX8VfyRCHmKs0rMe0TI?0WDOoCIM_KM2I9Gv1dytZAi

-2-0-0	5-8-0	10-4-0	16-6-0	22-6-0	28-6-0	34-8-0	39-4-0	45-0-0
2-0-0	5-8-0	4-8-0	6-2-0	6-0-0	6-0-0	6-2-0	4-8-0	5-8-0

Scale = 1:76.4



5-8-0	10-2-12	10-4-0	16-6-0	28-6-0	34-8-0	39-4-0	45-0-0
5-8-0	4-6-12	0-1-4	6-2-0	12-0-0	6-2-0	4-8-0	5-8-0

Plate Offsets (X,Y)-- [2:0-0-0,0-3-3], [6:0-3-0,0-1-8], [9:0-3-0,0-2-4], [10:0-8-12,Edge], [11:0-3-0,0-2-4], [12:0-5-8,0-1-4], [13:0-4-0,Edge], [17:0-8-4,0-0-12], [17:0-3-4,0-0-0], [22:0-5-12,0-1-12], [24:0-1-12,0-2-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.68	19-21	>605	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.93	19-21	>444	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.11	17	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R		Attic	-0.37	21-22	403	360	Weight: 295 lb	FT = 0%
BCDL	10.0											

LUMBER-

TOP CHORD	2x10 SP 2400F 2.0E *Except*
	T2,T1: 2x4 SPF 1650F 1.5E, T4: 2x6 SPF 2100F 1.8E
BOT CHORD	2x6 SPF 2100F 1.8E *Except*
	B2: 2x8 SP 2400F 2.0E
WEBS	2x3 SPF No.2 *Except*
	W5,W6: 2x4 SPF No.2, W7: 2x4 SPF No.3
OTHERS	2x8 SPF No.2
SLIDER	Left 2x3 SPF No.2 3-0-7, Right 2x6 SPF No.3 3-0-7

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-24, 14-21

REACTIONS. (lb/size) 2=1661/0-3-0 (min. 0-2-10), 24=2071/0-5-8 (min. 0-4-0), 17=2543/0-5-8 (min. 0-4-5)
Max Horz 2=189(LC 12)
Max Uplift2=-165(LC 13), 24=-306(LC 12), 17=-272(LC 13)
Max Grav2=1661(LC 1), 24=2561(LC 20), 17=2744(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/78, 2-3=-2676/337, 3-4=-2613/363, 4-5=-2418/381, 5-6=-2390/397, 6-7=-3357/517, 7-26=-3311/522, 8-26=-3290/534, 8-9=-3227/617, 9-10=-315/274, 10-11=-240/556, 11-12=-3075/577, 12-27=-3556/575, 13-27=-3650/565, 13-14=-3790/560, 14-15=-5079/768, 15-16=-5133/759, 16-17=-5293/740
BOT CHORD	2-25=-237/2356, 24-25=-237/2356, 23-24=-120/2206, 22-23=-119/2221, 21-22=-214/3135, 20-21=-530/4672, 19-20=-535/4684, 18-19=-597/4600, 17-18=-597/4600
WEBS	4-25=0/200, 4-24=-644/163, 6-24=-2317/313, 6-22=-119/2019, 8-22=-769/218, 12-21=-70/1323, 14-21=-1978/404, 14-19=-48/313, 15-19=-29/155, 15-18=-57/144, 9-11=-3517/619

NOTES-

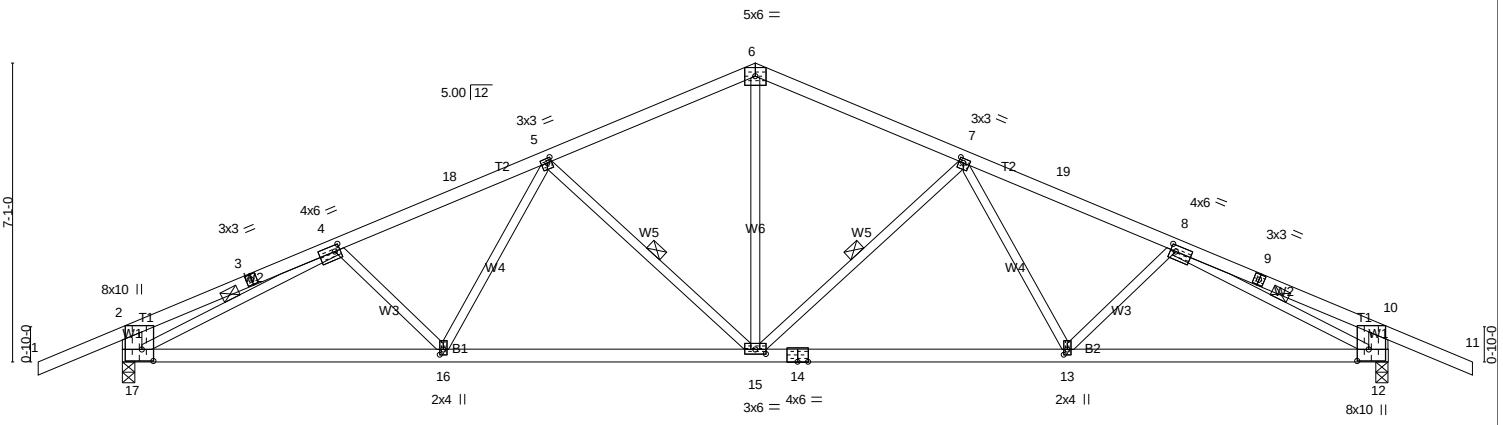
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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 19.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 8-9, 11-12, 9-11
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 21-22
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 2, 306 lb uplift at joint 24 and 272 lb uplift at joint 17.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	
	R4	COMMON	4	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:19 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-GvFF4dSSoOaaF9W17uKT5xli10zNSCXKITI?5WytZAg

-2-0-0	5-1-11	10-0-13	15-0-0	19-11-3	24-10-5	30-0-0	32-0-0
2-0-0	5-1-11	4-11-3	4-11-3	4-11-3	4-11-3	5-1-11	2-0-0

Scale = 1:54.6



7-7-4	15-0-0	22-4-12	30-0-0
7-7-4	7-4-12	7-4-12	7-7-4

Plate Offsets (X,Y)-- [2:0-3-4,0-3-4], [2:0-1-2,0-2-12], [4:0-1-8,0-1-12], [5:0-1-4,0-1-4], [7:0-1-4,0-1-4], [8:0-1-8,0-1-12], [10:0-1-2,0-2-12], [12:0-3-4,0-3-4], [13:0-1-8,0-1-0], [15:0-3-0,0-1-4], [16:0-1-8,0-1-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.23	15-16	>999	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.36	15-16	>996	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.13	12	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 116 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x3 SPF No.2 *Except*
W1: 2x6 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-15, 5-15, 4-17, 8-12

REACTIONS. (lb/size) 17=2206/0-3-8 (min. 0-3-7), 12=2206/0-3-8 (min. 0-3-7)
Max Horz 17=-130(LC 13)
Max Uplift17=-246(LC 12), 12=-246(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/176, 2-3=-682/322, 3-4=-557/351, 4-18=-3148/555, 5-18=-3020/567, 5-6=-2426/511, 6-7=-2426/511, 7-19=-3020/567, 8-19=-3148/555, 8-9=-557/351, 9-10=-682/322, 10-11=0/176, 2-17=-788/228, 10-12=-788/228
BOT CHORD 16-17=-390/2928, 15-16=-306/2693, 14-15=-306/2693, 13-14=-306/2693, 12-13=-390/2928
WEBS 6-15=-214/1231, 7-15=-1013/215, 7-13=-10/285, 8-13=-169/143, 5-15=-1013/215, 5-16=-10/285, 4-16=-169/143, 4-17=-2751/598, 8-12=-2751/598

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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 19.0 psf or 2.00 times flat roof load of 46.2 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 246 lb uplift at joint 17 and 246 lb uplift at joint 12.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	R4G	GABLE	1	1	Job Reference (optional)

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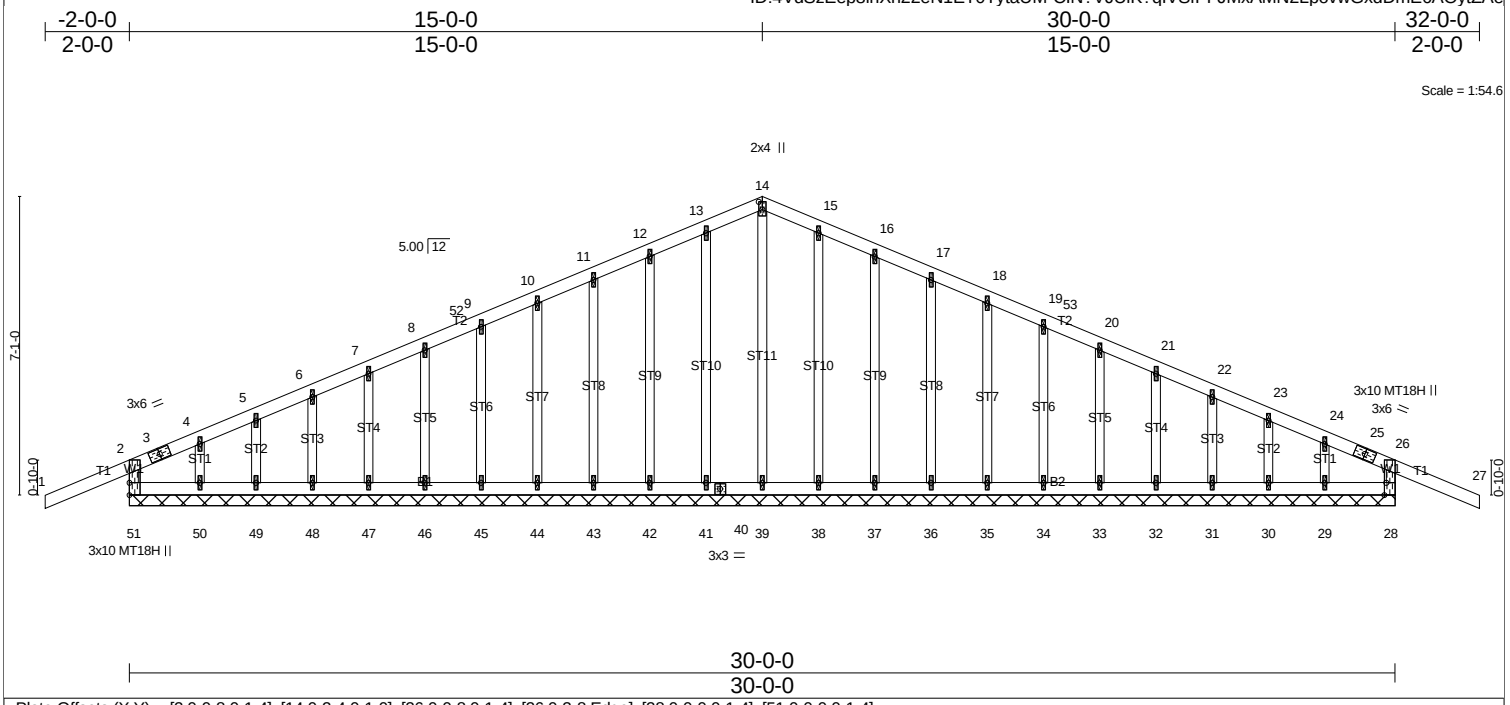


Plate Offsets (X,Y)-- [2:0-0-8,0-1-4], [14:0-2-4,0-1-0], [26:0-0-8,0-1-4], [26:0-3-8,Edge], [28:0-0-0,0-1-4], [51:0-0-0,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	0.02	27	n/r	120	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.08	Vert(CT)	0.01	27	n/r	90	MT18H	197/144
TCDL	10.0	Rep Stress Incr	NO	WB	0.22	Horz(CT)	-0.01	28	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 139 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
T1: 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2
OTHERS 2x3 SPF No.2

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

REACTIONS. (lb/size) 51=457/30-0-0 (min. 0-6-15), 28=457/30-0-0 (min. 0-6-15), 39=221/30-0-0 (min. 0-6-15), 41=186/30-0-0 (min. 0-6-15), 42=174/30-0-0 (min. 0-6-15), 43=176/30-0-0 (min. 0-6-15), 44=177/30-0-0 (min. 0-6-15), 45=177/30-0-0 (min. 0-6-15), 46=176/30-0-0 (min. 0-6-15), 47=178/30-0-0 (min. 0-6-15), 48=168/30-0-0 (min. 0-6-15), 49=221/30-0-0 (min. 0-6-15), 50=7/30-0-0 (min. 0-6-15), 38=186/30-0-0 (min. 0-6-15), 37=174/30-0-0 (min. 0-6-15), 36=176/30-0-0 (min. 0-6-15), 35=177/30-0-0 (min. 0-6-15), 34=177/30-0-0 (min. 0-6-15), 33=176/30-0-0 (min. 0-6-15), 32=178/30-0-0 (min. 0-6-15), 31=168/30-0-0 (min. 0-6-15), 30=221/30-0-0 (min. 0-6-15), 29=7/30-0-0 (min. 0-6-15)
Max Horz 51=-130(LC 13)
Max Uplift 51=-81(LC 8), 28=-90(LC 9), 41=-17(LC 12), 42=-39(LC 12), 43=-34(LC 12), 44=-34(LC 12), 45=-34(LC 12), 46=-35(LC 12), 47=-34(LC 12), 48=-37(LC 12), 49=-25(LC 12), 50=-301(LC 18), 38=-13(LC 13), 37=-41(LC 13), 36=-34(LC 13), 35=-34(LC 13), 34=-34(LC 13), 33=-34(LC 13), 32=-34(LC 13), 31=-36(LC 13), 30=-31(LC 13), 29=-301(LC 18)
Max Grav 51=675(LC 18), 28=675(LC 18), 39=221(LC 1), 41=250(LC 19), 42=241(LC 19), 43=240(LC 19), 44=243(LC 19), 45=223(LC 19), 46=177(LC 19), 47=178(LC 1), 48=168(LC 1), 49=225(LC 19), 50=67(LC 17), 38=250(LC 20), 37=241(LC 20), 36=240(LC 20), 35=243(LC 20), 34=223(LC 20), 33=177(LC 20), 32=178(LC 1), 31=168(LC 1), 30=225(LC 20), 29=61(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-51=-630/202, 1-2=0/166, 2-3=-116/77, 3-4=-111/92, 4-5=-90/210, 5-6=-65/178, 6-7=-47/185, 7-8=-29/184, 8-52=-32/179, 9-52=-23/184, 9-10=-42/184, 10-11=-52/184, 11-12=-62/184, 12-13=-73/189, 13-14=-79/208, 14-15=-79/208, 15-16=-73/189, 16-17=-62/184, 17-18=-52/184, 18-19=-42/184, 19-53=-23/184, 20-53=-32/179, 20-21=-23/184, 21-22=-13/185, 22-23=-26/178, 23-24=-52/210, 24-25=-71/88, 25-26=-73/77, 26-27=0/166, 26-28=-630/202
BOT CHORD 50-51=-165/147, 49-50=-165/147, 48-49=-165/147, 47-48=-165/147, 46-47=-165/147, 45-46=-165/147, 44-45=-165/147, 43-44=-165/147, 42-43=-165/147, 41-42=-165/147, 40-41=-165/147, 39-40=-165/147, 38-39=-165/147, 37-38=-165/147, 36-37=-165/147, 35-36=-165/147, 34-35=-165/147, 33-34=-165/147, 32-33=-165/147, 31-32=-165/147, 30-31=-165/147, 29-30=-165/147, 28-29=-165/147
WEBS 14-39=-195/0, 13-41=-223/33, 12-42=-214/64, 11-43=-213/57, 10-44=-216/57, 9-45=-196/57, 8-46=-151/57, 7-47=-151/58, 6-48=-143/54, 5-49=-190/79, 4-50=-54/292, 15-38=-223/31, 16-37=-214/64, 17-36=-213/57, 18-35=-216/57, 19-34=-196/57, 20-33=-151/57, 21-32=-151/58, 22-31=-143/54, 23-30=-190/79, 24-29=-54/292

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only.
3) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.10
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 19.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 1x4 MT20 unless otherwise indicated.
9) Gable requires continuous bottom chord bearing.
10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
11) Gable studs spaced at 1-4-0 oc.
12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
13) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 51, 90 lb uplift at joint 28, 17 lb uplift at joint 41, 39 lb uplift at joint 42, 34 lb uplift at joint 43, 34 lb uplift at joint 44, 34 lb uplift at joint 45, 35 lb uplift at joint 46, 34 lb uplift at joint 47, 37 lb uplift at joint 48, 25 lb uplift at joint 49, 301 lb uplift at joint 50, 13 lb uplift at joint 38, 41 lb uplift at joint 37, 34 lb uplift at joint 36, 34 lb uplift at joint 35, 34 lb uplift at joint 34, 34 lb uplift at joint 33, 34 lb uplift at joint 32, 36 lb uplift at joint 31, 31 lb uplift at joint 30 and 301 lb uplift at joint 29.
15) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

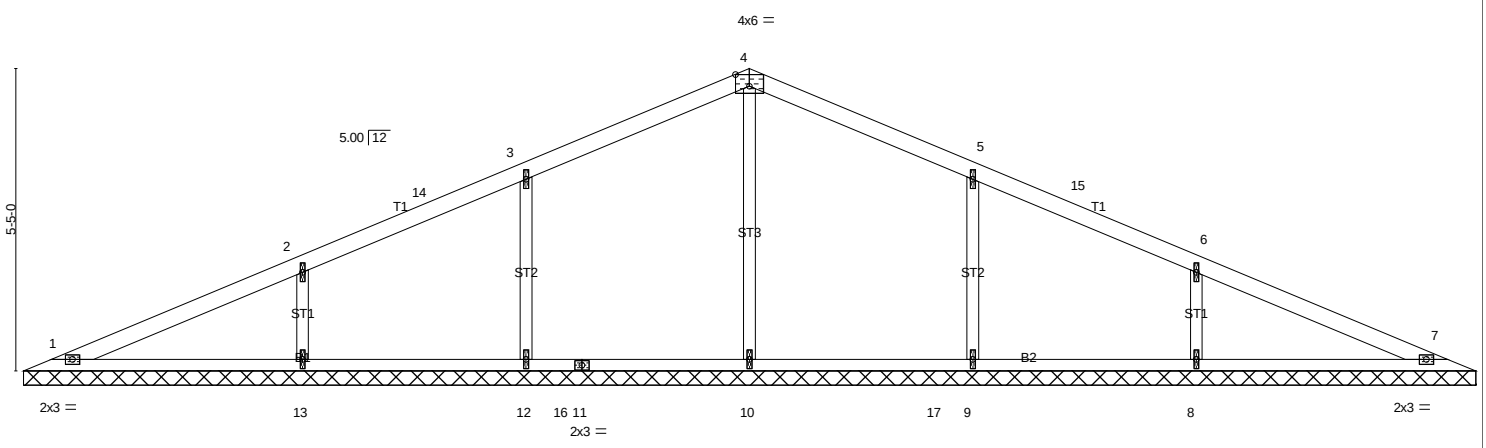
Job	Truss	Truss Type	Qty	Ply	
	V1	GABLE	1	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:24 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-ct387LWbdwCtMwO_wRweo??gh1n67cg4vkSmmjytZAb

13-0-0
13-0-0

26-0-0
13-0-0

Scale = 1:41.3



26-0-0
26-0-0

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.31	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 64 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2
OTHERS 2x3 SPF No.2

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

REACTIONS. (lb/size) 1=248/26-0-0 (min. 0-5-2), 7=248/26-0-0 (min. 0-5-2), 10=511/26-0-0 (min. 0-5-2), 12=497/26-0-0 (min. 0-5-2), 13=637/26-0-0 (min. 0-5-2), 9=497/26-0-0 (min. 0-5-2), 8=637/26-0-0 (min. 0-5-2)
Max Horz 1=94(LC 12)
Max Uplift1=-20(LC 13), 7=-18(LC 13), 12=-102(LC 12), 13=-123(LC 12), 9=-102(LC 13), 8=-123(LC 13)
Max Grav1=248(LC 1), 7=248(LC 1), 10=556(LC 2), 12=660(LC 18), 13=637(LC 1), 9=660(LC 19), 8=637(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-138/99, 2-14=-138/95, 3-14=-39/112, 3-4=-161/168, 4-5=-161/168, 5-15=-39/86, 6-15=-138/70, 6-7=-104/71
BOT CHORD 1-13=-10/68, 12-13=-10/68, 12-16=-10/68, 11-16=-10/68, 10-11=-10/68, 10-17=-10/68, 9-17=-10/68, 8-9=-10/68, 7-8=-10/68
WEBS 4-10=-427/21, 3-12=-589/164, 2-13=-530/194, 5-9=-589/164, 6-8=-530/194

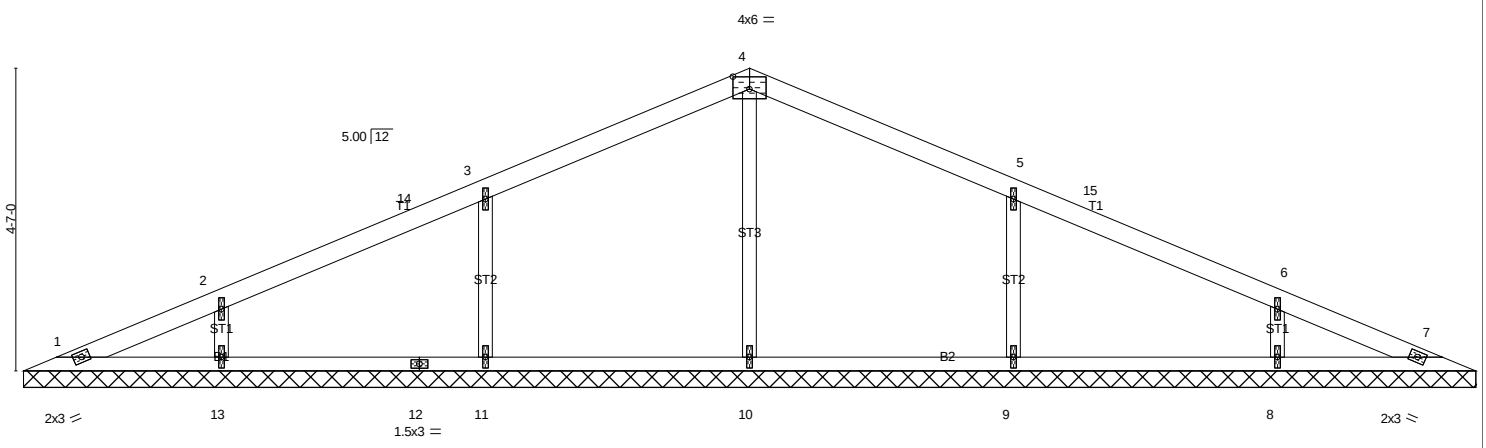
NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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) All plates are 1x4 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 3-6-0 tall by 2-0-0 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 20 lb uplift at joint 1, 18 lb uplift at joint 7, 102 lb uplift at joint 12, 123 lb uplift at joint 13, 102 lb uplift at joint 9 and 123 lb uplift at joint 8.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	V2	GABLE	1	1	Job Reference (optional)

11-0-0
11-0-0

22-0-0
11-0-0

Scale = 1:34.9



22-0-0
22-0-0

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 52 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2
OTHERS 2x3 SPF No.2

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

REACTIONS. (lb/size) 1=113/22-0-0 (min. 0-4-5), 7=113/22-0-0 (min. 0-4-5), 10=489/22-0-0 (min. 0-4-5), 11=544/22-0-0 (min. 0-4-5), 13=471/22-0-0 (min. 0-4-5), 9=544/22-0-0 (min. 0-4-5), 8=471/22-0-0 (min. 0-4-5)
Max Horz 1=-79(LC 13)
Max Uplift1=-14(LC 13), 11=-111(LC 12), 13=-90(LC 12), 9=-111(LC 13), 8=-90(LC 13)
Max Grav1=115(LC 18), 7=115(LC 19), 10=489(LC 1), 11=671(LC 18), 13=471(LC 1), 9=671(LC 19), 8=471(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-106/58, 2-14=-126/76, 3-14=-20/89, 3-4=-158/139, 4-5=-158/139, 5-15=-20/69, 6-15=-126/43, 6-7=-75/31
BOT CHORD 1-13=-7/60, 12-13=-7/60, 11-12=-7/60, 10-11=-7/60, 9-10=-7/60, 8-9=-7/60, 7-8=-7/60
WEBS 4-10=-410/38, 3-11=-590/176, 2-13=-398/151, 5-9=-590/176, 6-8=-398/151

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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) All plates are 1x4 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1, 111 lb uplift at joint 11, 90 lb uplift at joint 13, 111 lb uplift at joint 9 and 90 lb uplift at joint 8.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	V3	GABLE	1	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:27 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-1SkGlMYTwraSDN7ZbZTLQddA0Ep5K0yWbihRN2ytZAY

9-0-0
9-0-0

18-0-0
9-0-0

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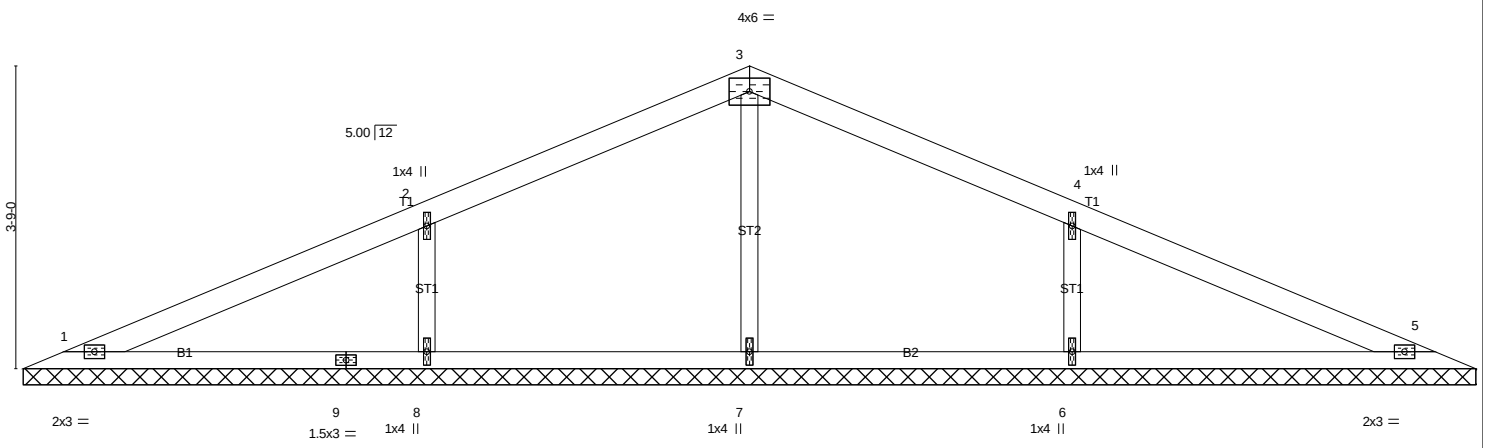

18-0-0
18-0-0

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 41 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2
OTHERS 2x3 SPF No.2

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

REACTIONS. (lb/size) 1=245/18-0-0 (min. 0-3-8), 5=245/18-0-0 (min. 0-3-8), 7=438/18-0-0 (min. 0-3-8), 8=644/18-0-0 (min. 0-3-8), 6=644/18-0-0 (min. 0-3-8)
Max Horz 1=-64(LC 13)
Max Uplift1=-17(LC 13), 5=-27(LC 13), 8=-129(LC 12), 6=-129(LC 13)
Max Grav1=245(LC 1), 5=245(LC 1), 7=438(LC 1), 8=718(LC 18), 6=718(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-108/93, 2-3=-156/109, 3-4=-156/109, 4-5=-98/79
BOT CHORD 1-9=-4/51, 8-9=-4/51, 7-8=-4/51, 6-7=-4/51, 5-6=-4/51
WEBS 3-7=-374/52, 2-8=-611/194, 4-6=-611/194

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 27 lb uplift at joint 5, 129 lb uplift at joint 8 and 129 lb uplift at joint 6.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	V4	GABLE	1	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:28 2020 Page 1
ID:4VdSzEep8lnXh22eN1ET0TytaUM-VeIfziZ5h9iJqXil9H?ayrANte9k3TWfqMQ_vUytZAX

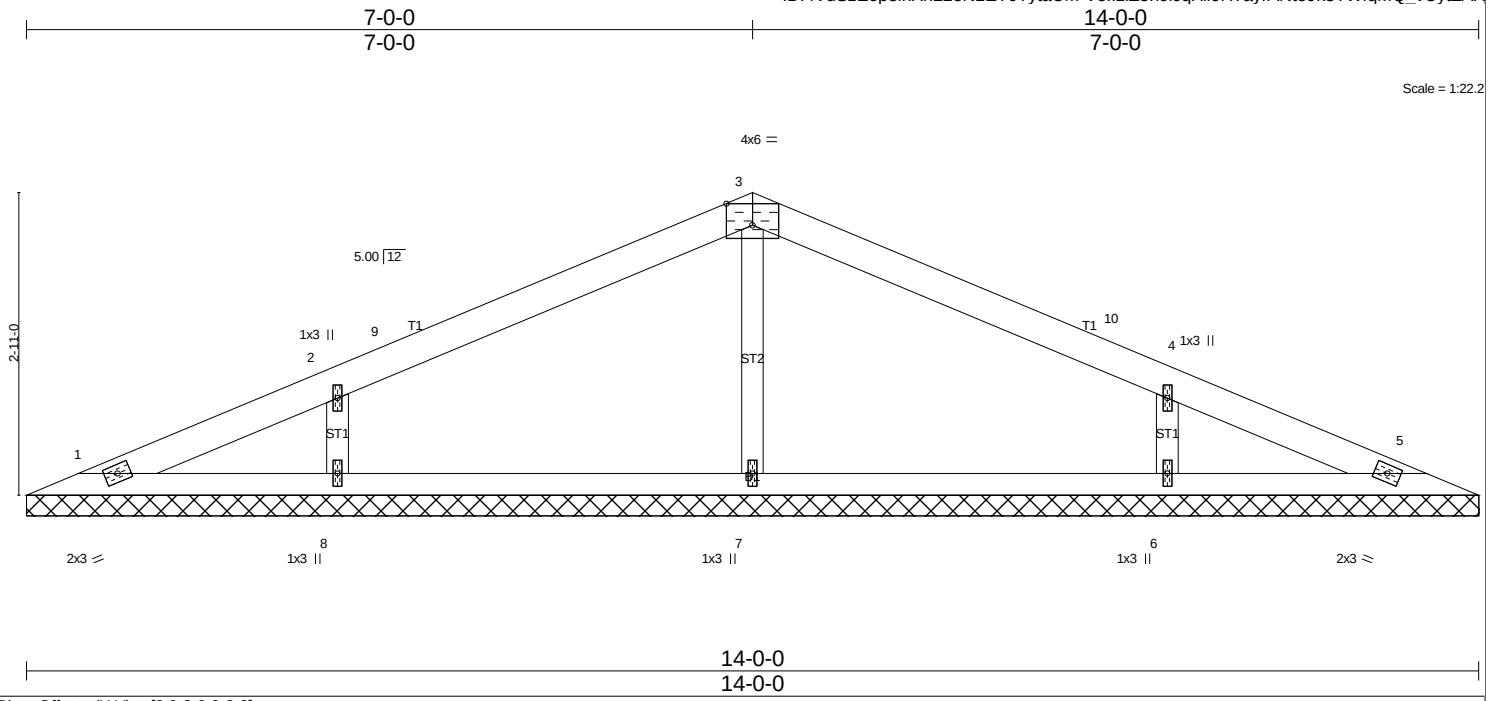

Plate Offsets (X,Y)-- [3:0-3-0,0-2-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R								
BCDL	10.0										Weight: 31 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2
OTHERS 2x3 SPF No.2

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

REACTIONS. (lb/size) 1=116/14-0-0 (min. 0-2-10), 5=116/14-0-0 (min. 0-2-10), 7=520/14-0-0 (min. 0-2-10), 8=468/14-0-0 (min. 0-2-10), 6=468/14-0-0 (min. 0-2-10)
Max Horz 1=49(LC 12)
Max Uplift1=-14(LC 13), 5=-6(LC 13), 7=-12(LC 12), 8=-98(LC 12), 6=-98(LC 13)
Max Grav1=116(LC 1), 5=116(LC 1), 7=520(LC 1), 8=531(LC 18), 6=531(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-83/46, 2-9=-140/67, 3-9=-48/84, 3-10=-48/84, 4-10=-140/67, 4-5=-70/38
BOT CHORD 1-8=0/49, 7-8=0/49, 6-7=0/49, 5-6=0/49
WEBS 3-7=-436/104, 2-8=-461/161, 4-6=-461/161

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1, 6 lb uplift at joint 5, 12 lb uplift at joint 7, 98 lb uplift at joint 8 and 98 lb uplift at joint 6.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

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

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:30 2020 Page 1
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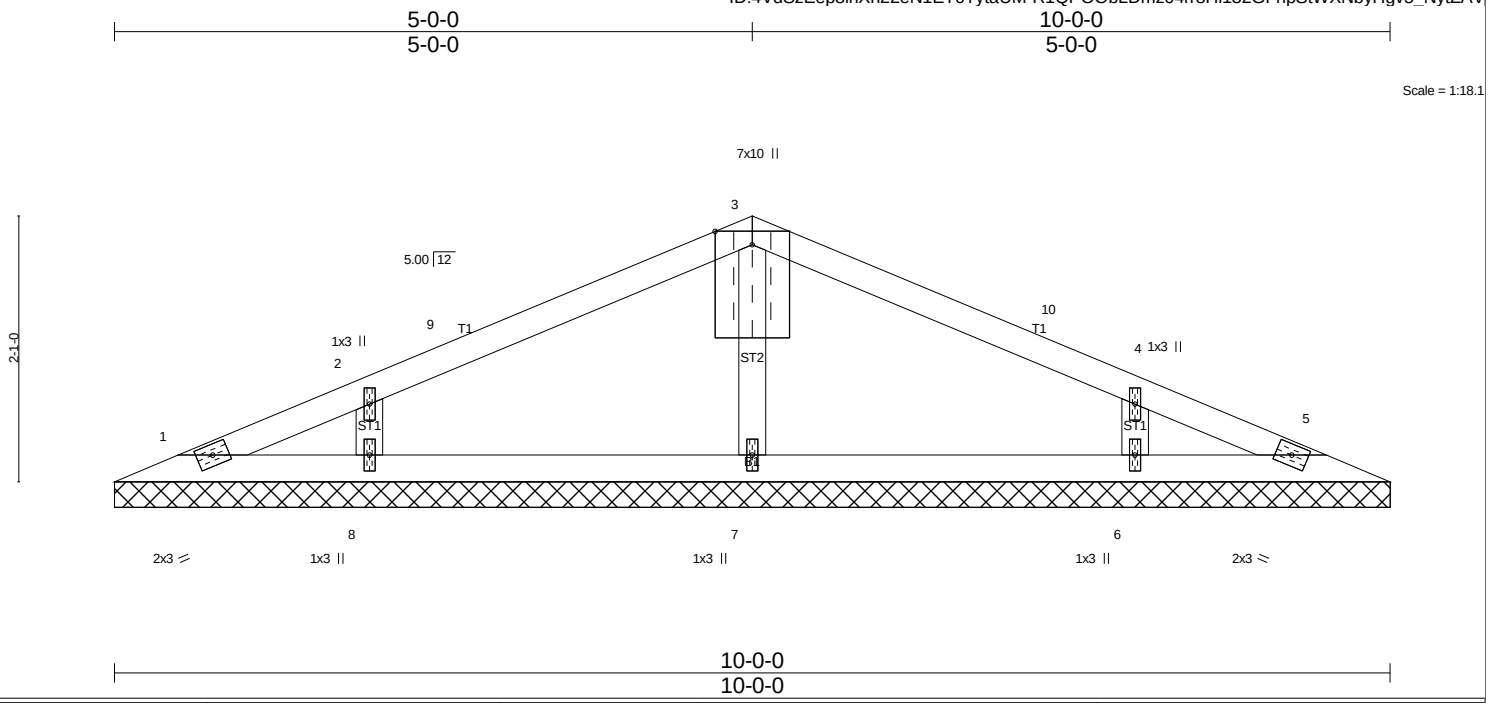

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 18 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x3 SPF No.2
BOT CHORD 2x3 SPF No.2
OTHERS 2x3 SPF No.2

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

REACTIONS. (lb/size) 1=60/10-0-0 (min. 0-1-14), 5=60/10-0-0 (min. 0-1-14), 7=397/10-0-0 (min. 0-1-14), 8=335/10-0-0 (min. 0-1-14), 6=335/10-0-0 (min. 0-1-14)
Max Horz 1=34(LC 12)
Max Uplift1=-8(LC 13), 5=-2(LC 12), 7=-13(LC 12), 8=-71(LC 12), 6=-71(LC 13)
Max Grav1=60(LC 1), 5=60(LC 1), 7=397(LC 1), 8=371(LC 18), 6=371(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-54/30, 2-9=-96/48, 3-9=-32/58, 3-10=-32/58, 4-10=-96/48, 4-5=-43/29
BOT CHORD 1-8=-0/36, 7-8=-0/36, 6-7=-0/36, 5-6=-0/36
WEBS 3-7=-333/98, 2-8=-325/132, 4-6=-325/132

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 1, 2 lb uplift at joint 5, 13 lb uplift at joint 7, 71 lb uplift at joint 8 and 71 lb uplift at joint 6.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	V6	VALLEY	1	1	Job Reference (optional)

8.220 e Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:31 2020 Page 1
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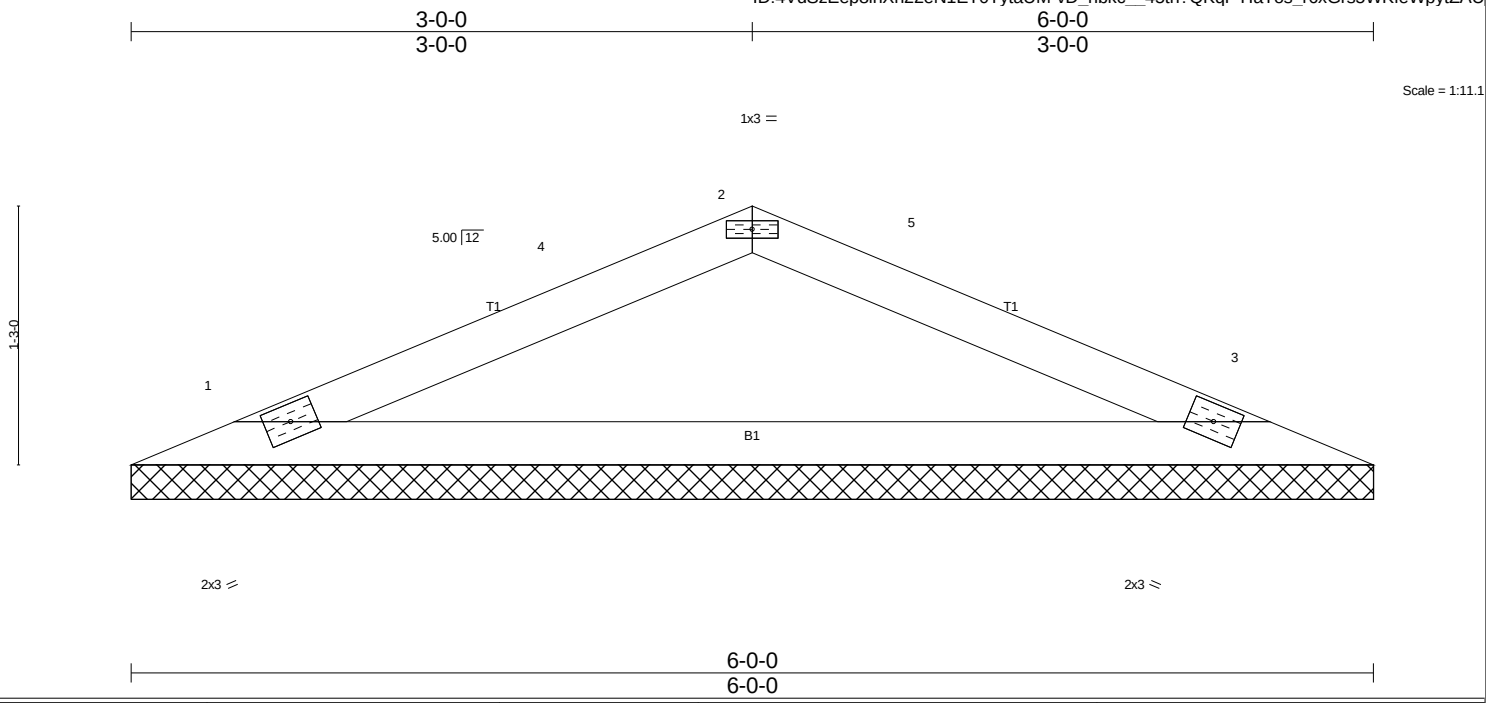

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-P							Weight: 9 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x3 SPF No.2
BOT CHORD 2x3 SPF No.2

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

REACTIONS. (lb/size) 1=328/6-0-0 (min. 0-1-8), 3=328/6-0-0 (min. 0-1-8)
Max Horz 1=19(LC 12)
Max Uplift1=-32(LC 12), 3=-32(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-405/163, 2-4=-341/167, 2-5=-341/167, 3-5=-405/163
BOT CHORD 1-3=-118/334

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 1 and 32 lb uplift at joint 3.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	
	V7	GABLE	1	1	Job Reference (optional)

8.220 s Aug 13 2018 MiTek Industries, Inc. Tue Jul 28 10:44:32 2020 Page 1
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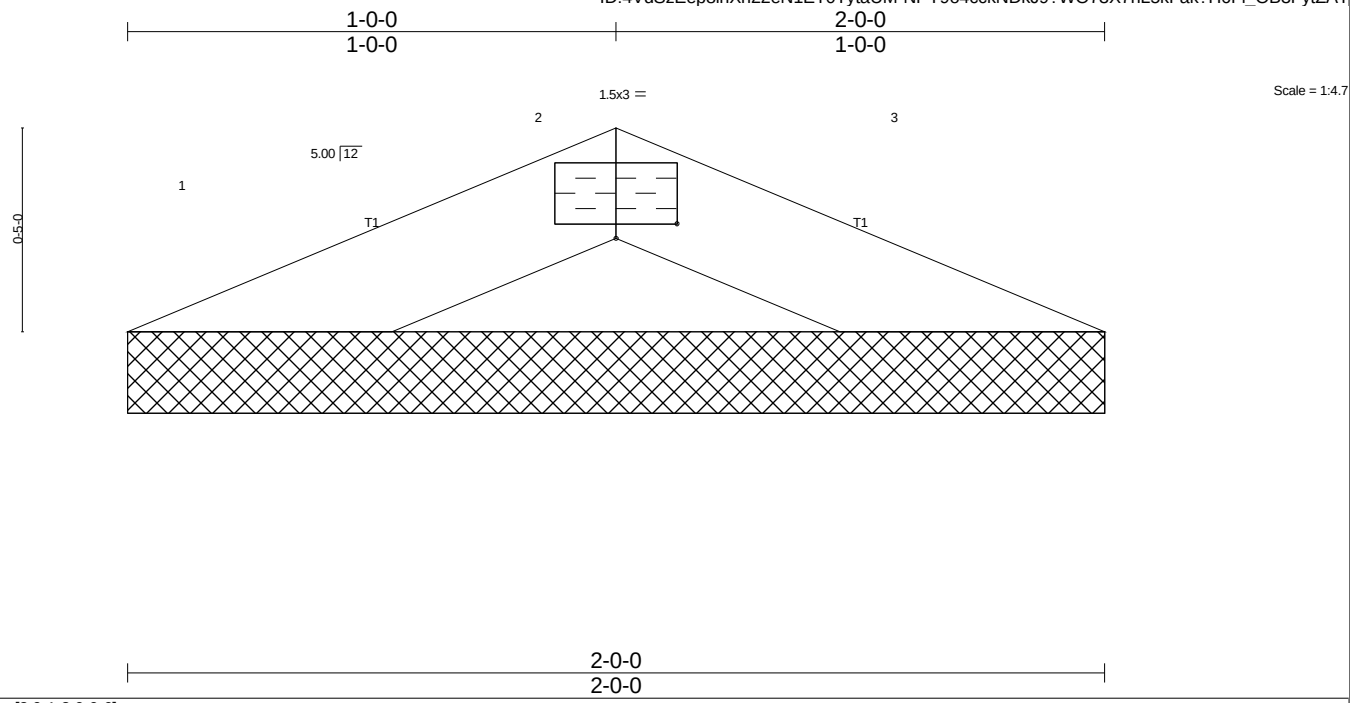

Plate Offsets (X,Y)-- [2:0-1-8,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.00	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-P								
BCDL	10.0										Weight: 2 lb	FT = 0%

LUMBER-
TOP CHORD 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=82/2-0-0 (min. 0-3-13), 3=82/2-0-0 (min. 0-3-13)
Max Horz 1=-6(LC 13)
Max Uplift1=-18(LC 12), 3=-18(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-28/18, 2-3=-28/18

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; 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) Gable requires continuous bottom chord bearing.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 18 lb uplift at joint 3.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.