

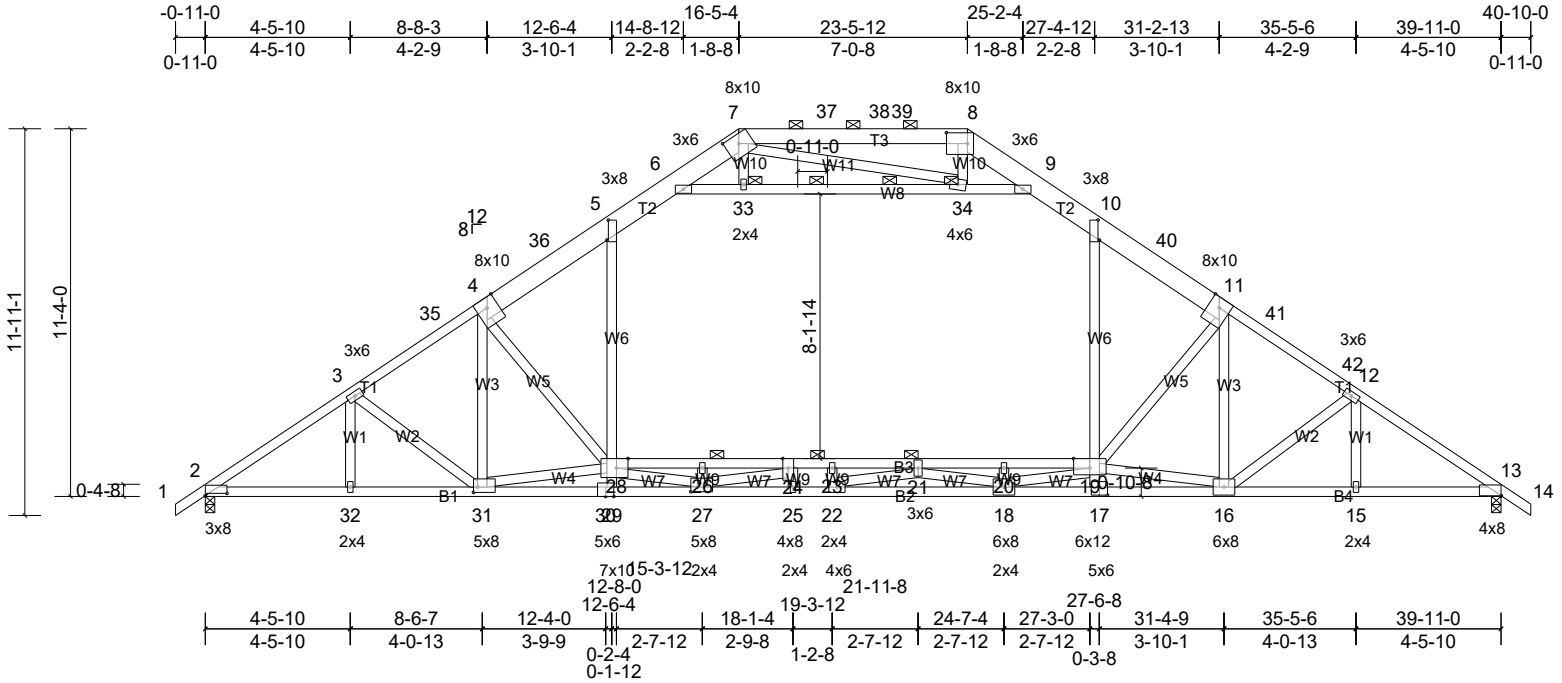
Job 3882933	Truss A1	Truss Type Attic	Qty 9	Ply 1	Job Reference (optional)
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BFS East, Albemarle, NC 28001

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Scale = 1:71.3

Plate Offsets (X, Y): [2:0-8-0,0-0-14], [5:0-7-7,0-0-8], [7:0-5-0,0-3-4], [8:0-7-12,0-4-0], [10:0-7-7,0-0-8], [13:Edge,0-0-1], [17:0-3-0,0-3-0], [19:0-6-0,Edge], [27:0-2-8,0-1-12], [28:0-4-4,Edge], [31:0-1-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	0.65	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.28	21-23	>999	360	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.61	18-22	>782	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.13	13	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.11	29	>999	240		
BCDL	10.0											Weight: 335 lb FT = 20%

LUMBER
TOP CHORD 2x8 SP 2400F 2.0E or 2x8 SP DSS *Except* T3:2x6 SP No.2, T1:2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS
BOT CHORD 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS *Except* B3:2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W6,W8,W4,W7:2x4 SP No.2
REACTIONS (lb/size) 2=1818/0-3-8, (min. 0-2-14), 13=2188/0-3-8, (min. 0-3-5)
 Max Horiz 2=-264 (LC 10)
 Max Grav 2=2442 (LC 27), 13=2812 (LC 28)

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins, except
 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 29-31,27-29.
 4-8-0 oc bracing: 21-28
 6-0-0 oc bracing: 19-21
 2 Rows at 1/3 pts 33-34
WEBS 1 Brace at Jt(s): 33, 34, 21
JOINTS

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3942/0, 3-35=-3738/0, 4-35=-3636/0, 4-36=-3868/0, 5-36=-3776/0, 5-6=-2878/0, 6-7=-687/64, 7-37=-607/157, 37-38=-608/156, 38-39=-608/156, 8-39=-613/153, 8-9=-837/0, 9-10=-2894/0, 10-40=-3818/0, 11-40=-3911/0, 11-41=-3929/0, 41-42=-4014/0, 12-42=-4281/0, 12-13=-4594/0
BOT CHORD 2-32=0/3343, 31-32=0/3343, 30-31=-757/1225, 29-30=-757/1225, 27-29=-806/1202, 25-27=0/3920, 22-25=0/3920, 18-22=0/3911, 17-18=0/2150, 16-17=0/2151, 15-16=0/3720, 13-15=0/3720, 26-28=0/1156, 24-26=0/1156, 23-24=-1206/87, 21-23=-1206/87, 20-21=-643/517, 19-20=-643/517
WEBS 5-28=0/1682, 10-19=0/1731, 6-33=-3251/0, 33-34=-3224/0, 9-34=-3132/0, 11-19=-805/0, 11-16=-224/325, 12-16=-501/0, 16-19=-103/2410, 4-28=-389/376, 4-31=-583/0, 28-31=0/3023, 7-34=-10/365, 18-19=0/2307, 27-28=0/2593, 18-20=-337/0, 26-27=-338/0, 18-21=-967/176, 24-27=-1689/0, 21-22=-418/250

- NOTES (15)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCCL=6.0psf; BCCL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - TCCL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 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 2.00 times flat roof load of 10.0 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 1-00-00 wide will fit between the bottom chord and any other members.

Job 3882933	Truss A1	Truss Type Attic	Qty 9	Ply 1	Job Reference (optional)
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- 9) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-33, 33-34, 9-34; Wall dead load (5.0psf) on member(s).5-28, 10-19
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 26-28, 24-26, 23-24, 21-23, 20-21, 19-20
- 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) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) Attic room checked for L/360 deflection.
- 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-5=-40, 5-6=-50, 6-7=-40, 7-8=-50, 8-9=-40, 9-10=-50, 10-14=-40, 2-13=-20, 19-28=-30, 6-33=-10, 33-34=-10, 9-34=-10

Drag: 5-28=-10, 10-19=-10

Concentrated Loads (lb)

Vert: 39=-280, 42=-460

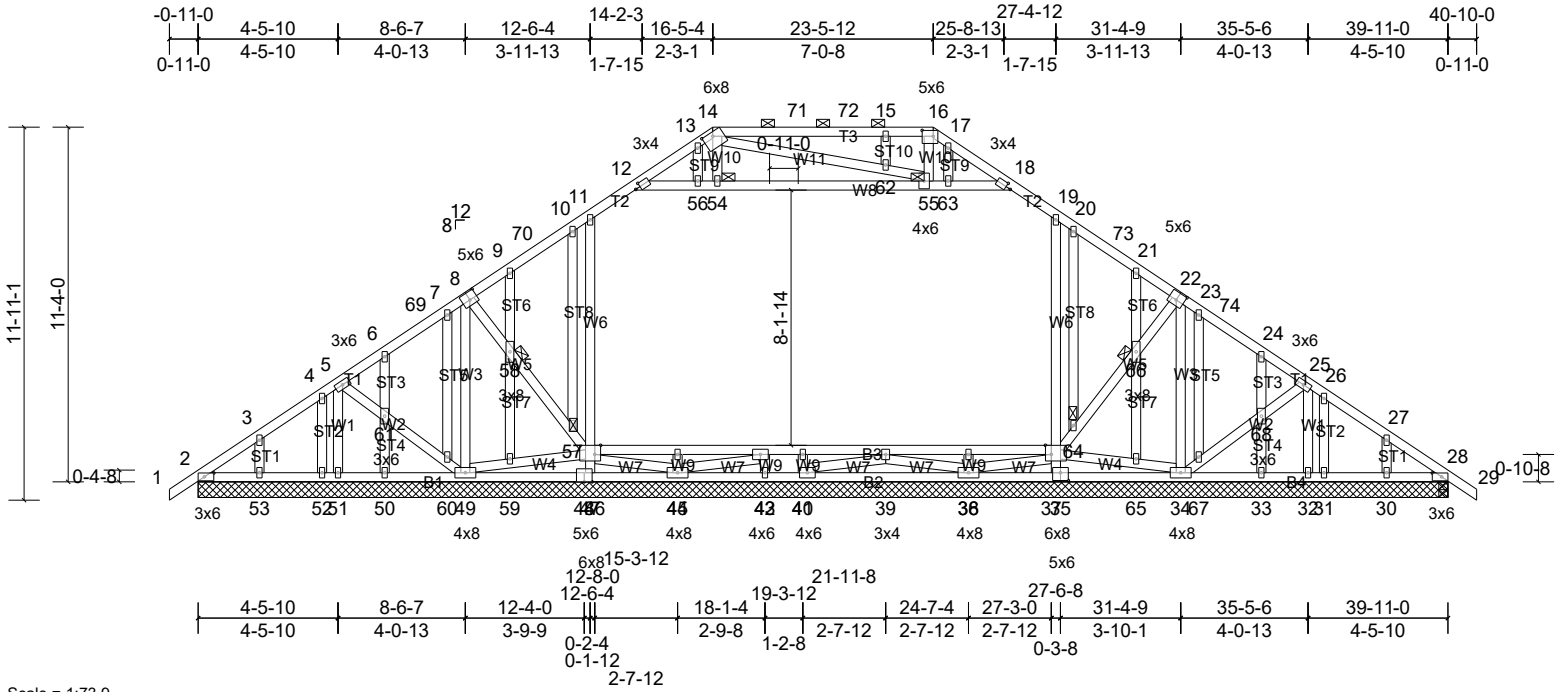
Job 3882933	Truss A1E	Truss Type Attic Structural Gable	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:73.9

Plate Offsets (X, Y): [2:0-3-10,0-1-8], [8:0-3-0,0-3-0], [12:0-1-15,0-1-8], [14:0-4-0,0-1-9], [16:0-4-4,0-2-4], [18:0-1-15,0-1-8], [22:0-3-0,0-3-0], [28:0-3-10,0-1-8], [35:0-3-0,0-3-0], [37:0-2-4,Edge], [46:0-2-4,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFLL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.01	36-40	>999	360
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.03	36-40	>999	240
TCDL	10.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.01	30	n/a	n/a
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.00	19-37	>999	240
BCDL	10.0									

Weight: 378 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W6,W8:2x4 SP No.2
OTHERS 2x4 SP No.3

REACTIONS All bearings 39-11-0. except 28=0-3-8
(lb) - Max Horiz 2=-265 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 30, 31, 32, 33, 47, 49, 50, 52, 53 except 34=-112 (LC 13)
Max Grav All reactions 250 (lb) or less at joint(s) 30, 31, 33, 43, 50, 52, 53 except 2=258 (LC 2), 28=279 (LC 2), 32=256 (LC 2), 34=403 (LC 36), 35=434 (LC 46), 36=387 (LC 19), 39=338 (LC 30), 40=287 (LC 19), 45=385 (LC 19), 47=477 (LC 44), 49=400 (LC 36), 51=260 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-298/150, 3-4=-280/142, 4-5=-275/131, 5-6=-466/115, 6-69=-497/104, 7-69=-451/110, 7-8=-462/110, 8-9=-686/93, 9-70=-655/93, 10-70=-602/105, 10-11=-617/112, 11-12=-733/90, 12-13=-782/133, 13-14=-731/126, 14-71=-650/125, 71-72=-650/125, 15-72=-650/125, 15-16=-652/125, 16-17=-672/105, 17-18=-757/127, 18-19=-734/82, 19-20=-611/90, 20-73=-600/84, 21-73=-653/75, 21-22=-686/76, 22-23=-462/70, 23-74=-451/69, 24-74=-497/63, 24-25=-466/71, 25-26=-260/32, 27-28=-261/43
BOT CHORD 48-49=-54/253, 47-48=-54/253, 45-47=-60/300, 43-45=-39/288, 40-43=-39/288, 35-36=0/314, 41-42=-38/274, 39-41=-38/274
WEBS 46-47=-411/45, 11-46=-371/120, 35-37=-393/32, 19-37=-386/113, 22-34=-431/20, 22-66=-25/262, 34-67=-47/253, 67-68=-44/276, 25-68=-44/260, 8-49=-426/40, 60-61=0/265, 8-58=0/261, 36-38=-326/0, 44-45=-350/0

- NOTES (18)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 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 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (5-5-7 max.): 14-16.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 54, 55, 57, 58, 64, 66

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

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3882933	A1E	Attic Structural Gable	1	1	

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- 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 1-00-00 wide will fit between the bottom chord and any other members.
- 12) Ceiling dead load (5.0 psf) on member(s). 11-12, 18-19, 12-56, 54-56, 54-55, 55-63, 18-63; Wall dead load (5.0psf) on member(s).11-46, 19-37
- 13) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 44-46, 42-44, 41-42, 39-41, 38-39, 37-38
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 47, 32, 49, 50, 52, 53, 33, 31, 30 except (jt=lb) 34=112.
- 15) 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.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 17) Attic room checked for L/360 deflection.
- 18) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

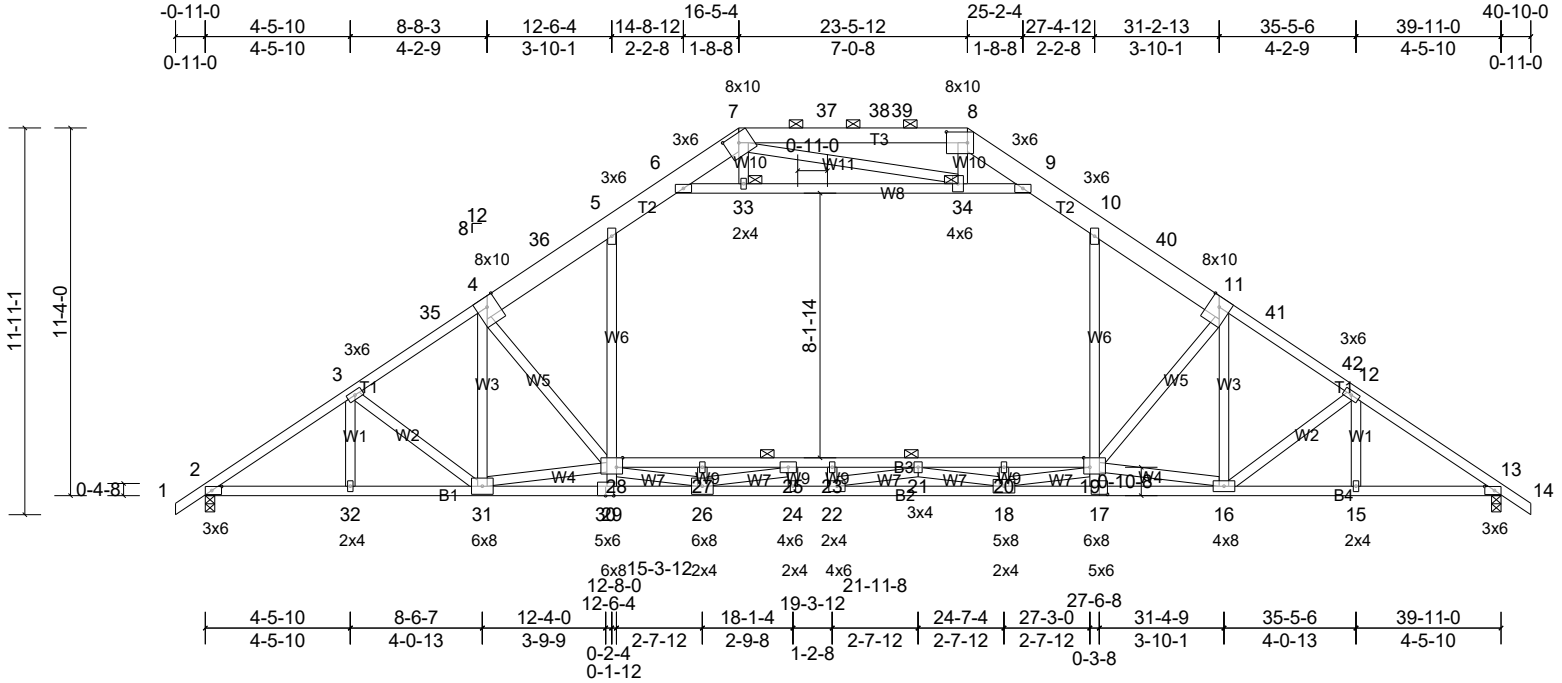
Job 3882933	Truss A1G	Truss Type Attic Girder	Qty 2	Ply 2	Job Reference (optional)
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Scale = 1:71.3

Plate Offsets (X, Y): [2:0-3-10,0-1-8], [7:0-5-0,0-3-4], [8:0-7-12,0-4-0], [13:0-3-10,0-1-8], [17:0-3-0,0-3-0], [19:0-2-4,Edge], [28:0-2-4,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.14	21-23	>999	360	MT20 244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.32	18-22	>999	240	
TCDL	10.0	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.07	13	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.06	28	>999	240	
BCDL	10.0										Weight: 669 lb FT = 20%

LUMBER	BRACING
TOP CHORD 2x8 SP 2400F 2.0E or 2x8 SP DSS *Except* T3:2x6 SP No.2, T1:2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
BOT CHORD 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS *Except* B3:2x4 SP No.2	BOT CHORD 2-0-0 oc purlins (6-0-0 max.); 7-8. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3 *Except* W6,W8:2x4 SP No.2	6-0-0 oc bracing: 29-31,26-29. 6-0-0 oc bracing: 21-28, 19-21
REACTIONS (lb/size) 2=1861/0-3-8, (min. 0-1-8), 13=2376/0-3-8, (min. 0-1-12) Max Horiz 2=264 (LC 10) Max Grav 2=2485 (LC 27), 13=3001 (LC 28)	JOINTS 1 Brace at Jt(s): 33, 34, 21
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-3=-4017/0, 3-35=-3813/0, 4-35=-3710/0, 4-36=-3975/0, 5-36=-3882/0, 5-6=-2962/0, 6-7=-659/92, 7-37=-602/163, 37-38=-603/162, 38-39=-603/162, 8-39=-607/159, 8-9=-829/0, 9-10=-2966/0, 10-40=-3949/0, 11-40=-4074/0, 11-41=-4161/0, 41-42=-4293/0, 12-42=-4597/0, 12-13=-4913/0	
BOT CHORD 27-28=0/1314, 25-27=0/1314, 23-25=-1180/126, 21-23=-1180/126, 20-21=-800/344, 19-20=-800/344, 2-32=0/3404, 31-32=0/3404, 30-31=-904/1081, 29-30=-904/1081, 26-29=-962/1049, 24-26=0/3988, 22-24=0/3988, 18-22=0/4092, 17-18=0/2503, 16-17=0/2496, 15-16=0/3995, 13-15=0/3995	
WEBS 5-28=0/1724, 10-19=0/1840, 6-33=-3394/0, 33-34=-3366/0, 9-34=-3232/0, 11-19=-1026/0, 16-19=-205/2268, 4-28=-342/425, 28-31=0/3210, 7-33=0/253, 7-34=0/411, 18-19=0/2205, 26-28=0/2675, 18-20=-333/0, 26-27=-337/0, 18-21=-866/277, 25-26=-1816/0, 21-22=-535/129, 11-16=-160/382, 12-16=-551/0, 4-31=-630/0	

- NOTES (17)**
- 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, 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row 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=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 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 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x6 MT20 unless otherwise indicated.
 - 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 1-00-00 wide will fit between the bottom chord and any other members.

Job 3882933	Truss A1G	Truss Type Attic Girder	Qty 2	Ply 2	Job Reference (optional)
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- 12) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-33, 33-34, 9-34; Wall dead load (5.0psf) on member(s).5-28, 10-19
- 13) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 27-28, 25-27, 23-25, 21-23, 20-21, 19-20
- 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) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 17) Attic room checked for L/360 deflection.
- 18) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-5=-40, 5-6=-50, 6-7=-40, 7-8=-50, 8-9=-40, 9-10=-50, 14-42=-40, 19-28=-30, 2-13=-20, 6-33=-10, 33-34=-10, 9-34=-10

Drag: 5-28=-10, 10-19=-10

Concentrated Loads (lb)

Vert: 39=-280, 42=-460

Trapezoidal Loads (lb/ft)

Vert: 10=-41-to-40=-55, 40=-55-to-11=-71, 11=-71-to-41=-81, 41=-81-to-42=-100

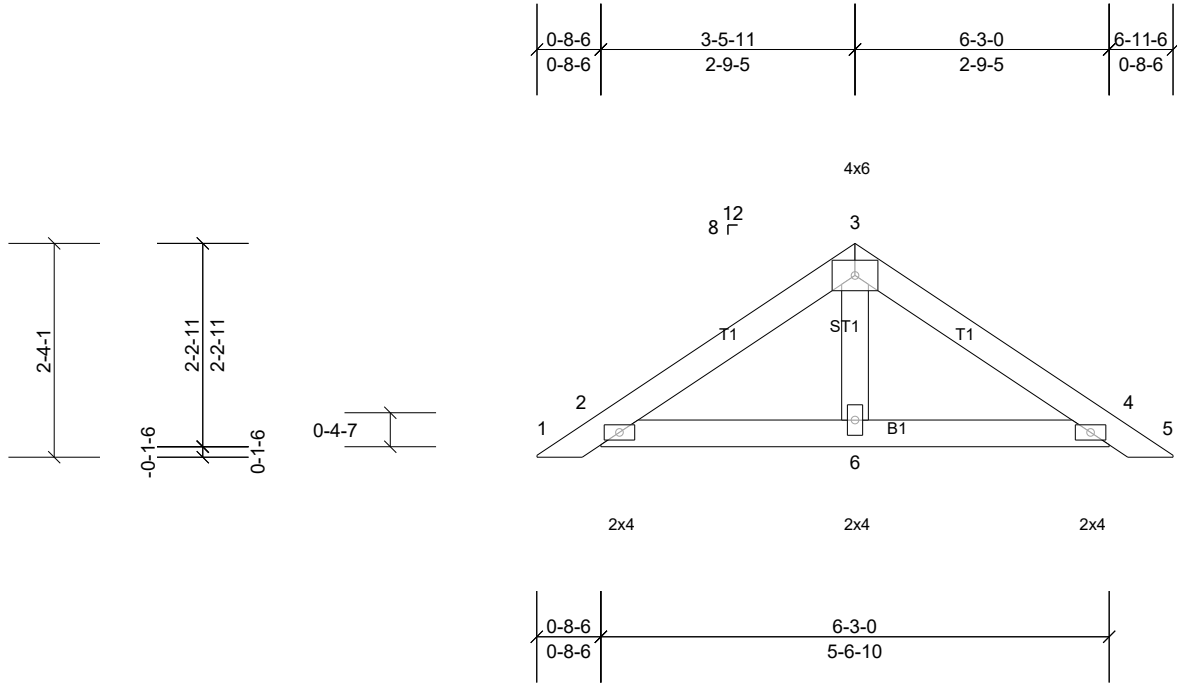
Job 3882933	Truss PB1	Truss Type Piggyback	Qty 12	Ply 1	Job Reference (optional)
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Scale = 1:25.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 23 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS

All bearings 7-0-8.
 (lb) - Max Horiz 1=49 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-122 (LC 26),
 2=-126 (LC 12), 4=-114 (LC 13), 5=-101 (LC 27)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 6 except 2=281 (LC 26), 4=268 (LC 27)

FORCES

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

NOTES (13)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 1, 101 lb uplift at joint 5, 125 lb uplift at joint 2 and 113 lb uplift at joint 4.
- 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.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

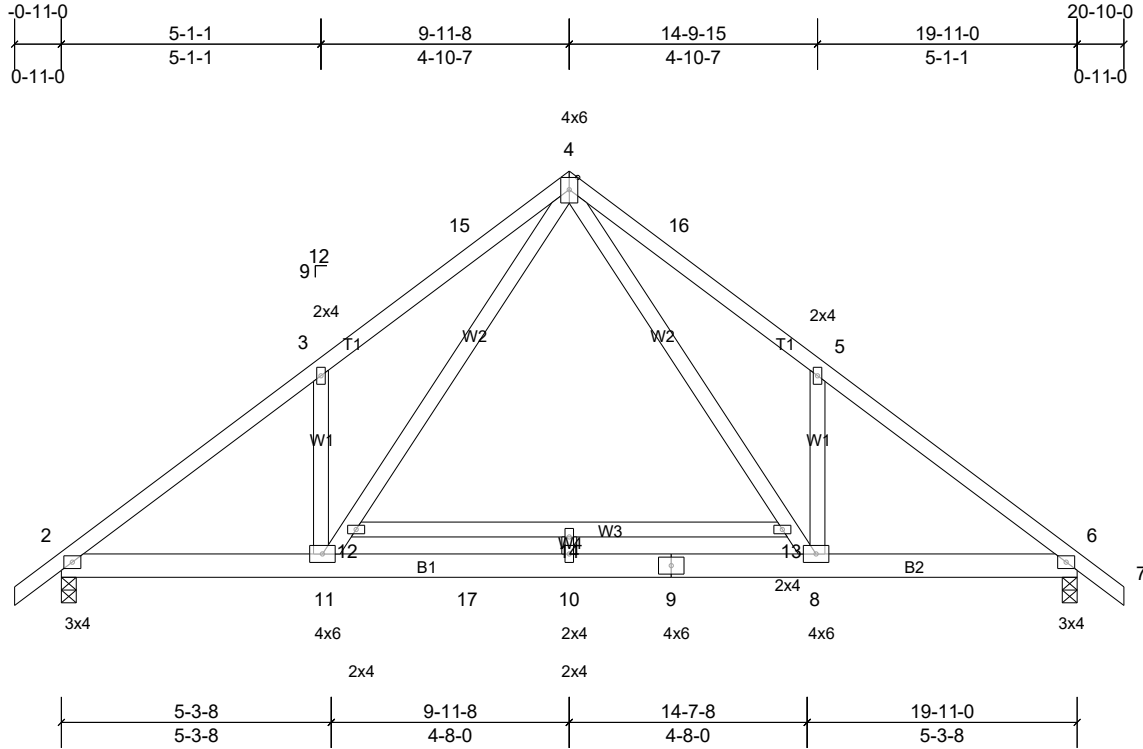
Job 3882933	Truss T1	Truss Type Common	Qty 14	Ply 1	Job Reference (optional)
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BFS East, Albemarle, NC 28001

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Scale = 1:45.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.07	10	>999	360	MT20 244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.16	10	>999	240	
TCDL	10.0	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	6	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.05	10	>999	240	
BCDL	10.0										Weight: 137 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-0-4 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 2=681/0-3-8, (min. 0-1-8), 6=681/0-3-8, (min. 0-1-8)
 Max Horiz 2=-187 (LC 10)
 Max Uplift 2=-85 (LC 12), 6=-85 (LC 13)
 Max Grav 2=915 (LC 2), 6=915 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1232/83, 3-15=-1210/244, 4-15=-1100/259, 4-16=-1094/254, 5-16=-1207/239, 5-6=-1234/84
 BOT CHORD 2-11=-92/931, 11-17=0/557, 10-17=0/557, 9-10=0/557, 8-9=0/557, 6-8=-2/900
 WEBS 4-13=-180/670, 8-13=-183/662, 11-12=-189/670, 4-12=-185/677, 3-11=-306/235, 5-8=-302/232

- NOTES (11)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 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 2.00 times flat roof load of 10.0 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 1-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 2 and 85 lb uplift at joint 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 10 lb up at 11-11-8, and 67 lb down and 10 lb up at 7-11-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-4=-40, 4-7=-40, 2-6=-20
 Concentrated Loads (lb)
 Vert: 9=-50, 17=-50

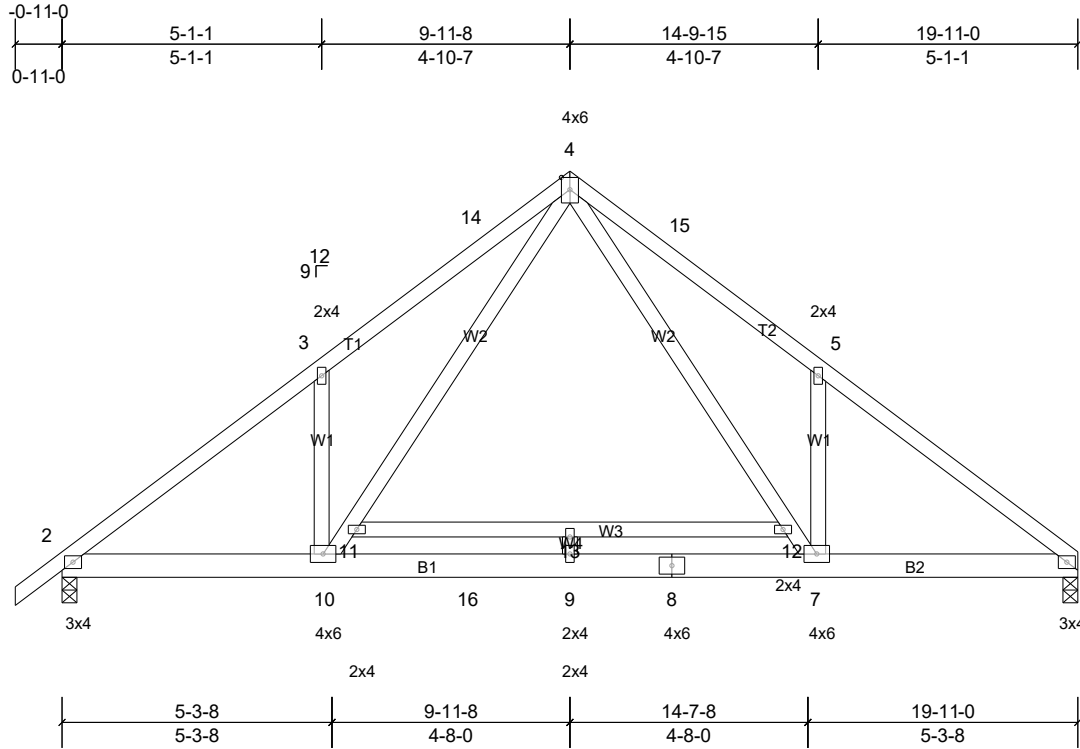
Job 3882933	Truss T1A	Truss Type Common	Qty 7	Ply 1	Job Reference (optional)
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Scale = 1:45.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.07	9	>999	360	MT20 244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.16	9	>999	240	
TCDL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.01	6	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.05	9	>999	240	
BCDL	10.0										Weight: 135 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-11-9c purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 2=682/0-3-8, (min. 0-1-8), 6=638/0-3-8, (min. 0-1-8)
 Max Horiz 2=182 (LC 9)
 Max Uplift 2=-85 (LC 12), 6=-64 (LC 13)
 Max Grav 2=917 (LC 2), 6=850 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1235/84, 3-14=-1214/244, 4-14=-1096/260, 4-15=-1112/266, 5-15=-1223/251, 5-6=-1236/84
 BOT CHORD 2-10=-101/926, 10-16=0/551, 9-16=0/551, 8-9=0/551, 7-8=0/551, 6-7=-11/905
 WEBS 4-12=-192/689, 7-12=-195/682, 10-11=-189/671, 4-11=-186/678, 5-7=-321/244, 3-10=-307/235

- NOTES (11)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 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 2.00 times flat roof load of 10.0 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 1-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 6 and 85 lb uplift at joint 2.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 10 lb up at 11-11-8, and 67 lb down and 10 lb up at 7-11-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-4=-40, 4-6=-40, 2-6=-20
 Concentrated Loads (lb)
 Vert: 8=-50, 16=-50

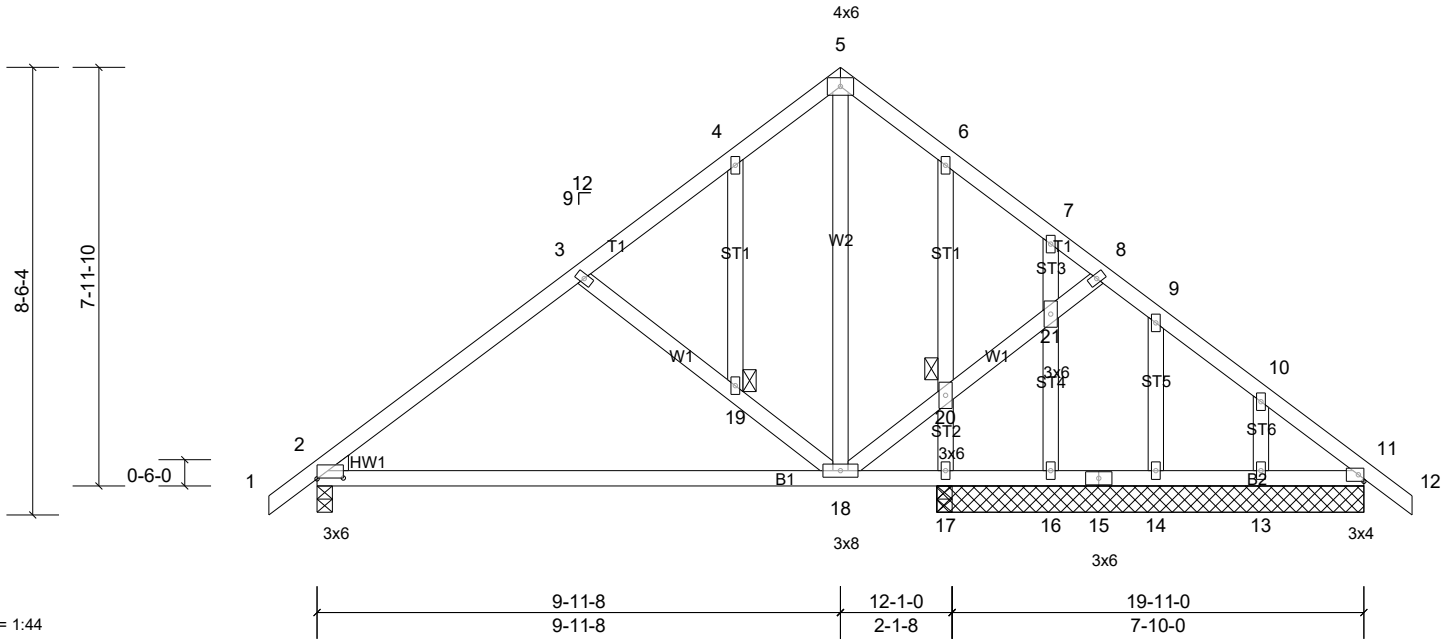
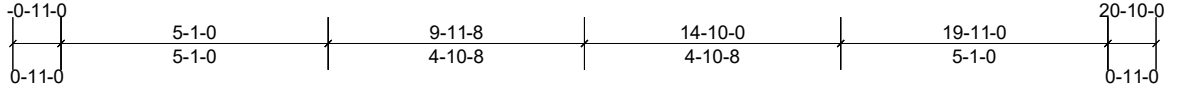
Job 3882933	Truss T1AE	Truss Type Common	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:44

Plate Offsets (X, Y): [2:0-6-0,0-0-3]

Loading	(psf)	Spacing		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	2-0-0	TC	0.34	Vert(LL)	-0.23	2-18	>614	360	MT20	244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.47	2-18	>299	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	14	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.03	2-18	>999	240		
BCDL	10.0										Weight: 128 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3
 WEDGE Left: 2x4 SP No.2

BRACING
 TOP CHORD
 BOT CHORD
 JOINTS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.
 1 Brace at Jt(s): 19, 20

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

REACTIONS All bearings 8-1-8, except 2=0-3-8, 17=0-3-8
 (lb) - Max Horiz 2=-187 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 13, 14 except 17=-134 (LC 13)
 Max Grav All reactions 250 (lb) or less at joint(s) 11, 13, 17 except 2=650 (LC 2), 14=326 (LC 2), 16=331 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-672/58, 3-4=-433/24, 4-5=-342/58, 5-6=-373/84, 6-7=-391/54, 7-8=-274/23
 BOT CHORD 2-18=-74/562
 WEBS 5-18=-14/358, 18-20=0/283, 20-21=0/274, 8-21=0/262, 3-19=-287/186, 18-19=-313/206, 7-21=-266/31, 16-21=-284/28, 9-14=-288/26

- NOTES (13)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 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 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 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) 2, 14, 13 except (jt=lb) 17=134.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

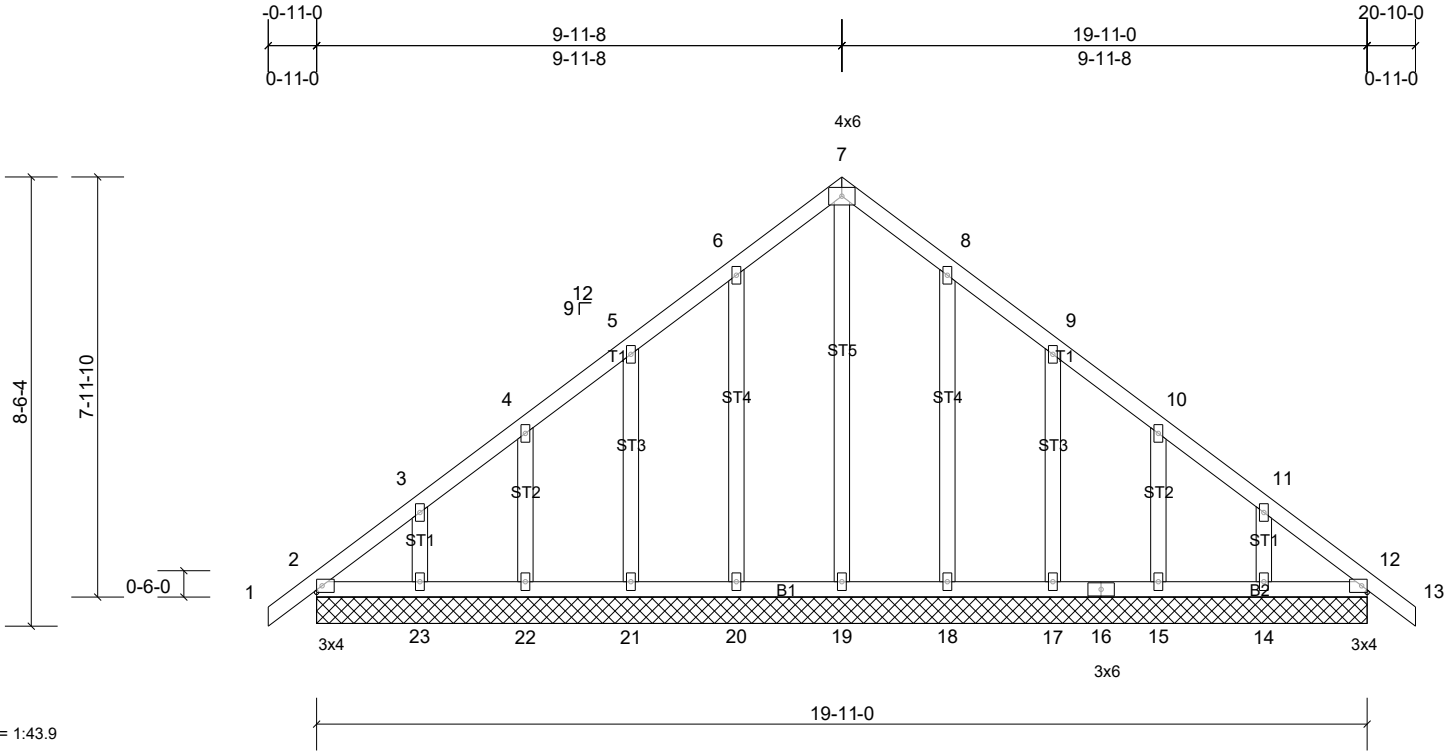
Job 3882933	Truss T1E	Truss Type Common Supported Gable	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:43.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0											
											Weight: 125 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

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

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

REACTIONS All bearings 19-11-0.
 (lb) - Max Horiz 2=-187 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 15, 17, 18, 20, 21, 22, 23
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23

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

- NOTES (15)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 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 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 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) 2, 20, 21, 22, 23, 18, 17, 15, 14, 12.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

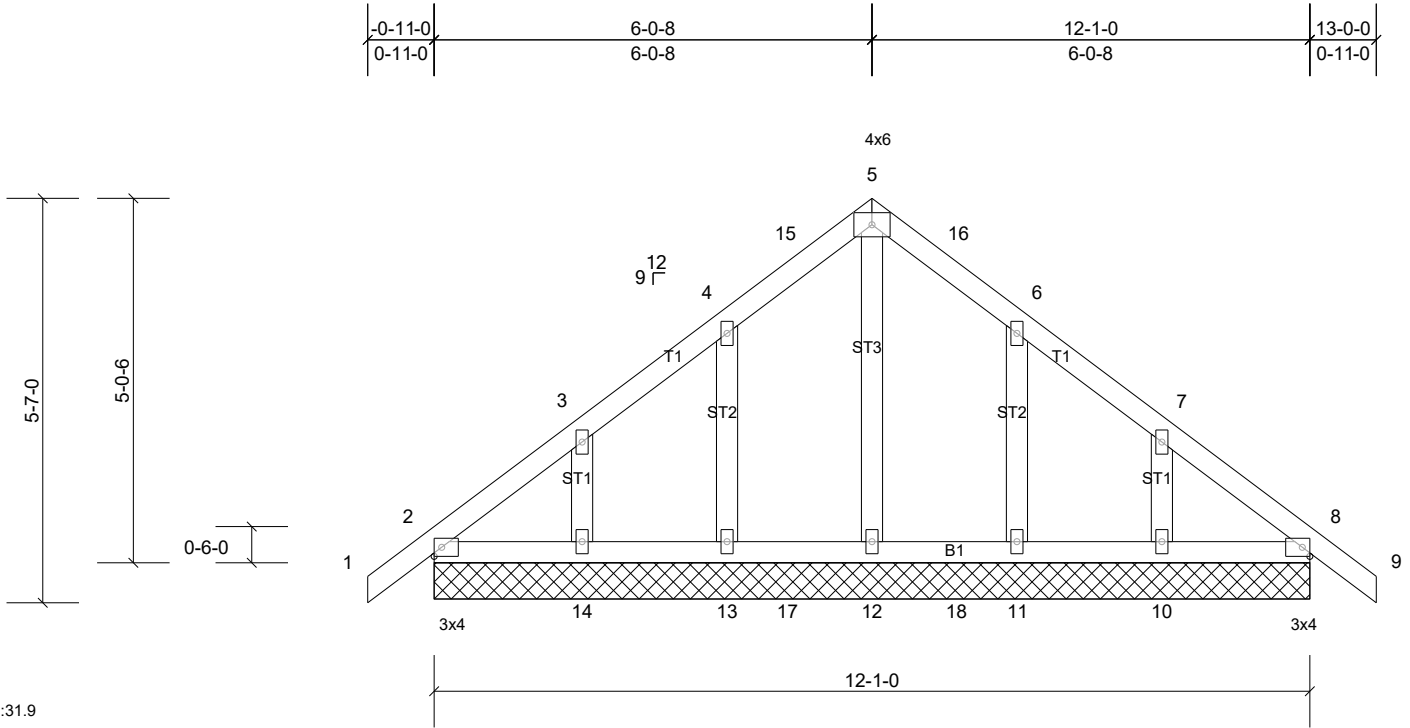
Job 3882933	Truss T2E	Truss Type Common Supported Gable	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:31.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 64 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

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

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

REACTIONS All bearings 12-1-0.
 (lb) - Max Horiz 2=119 (LC 11)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 10, 11, 13, 14
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 8, 10, 11, 12, 13, 14

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

- NOTES (14)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 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 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 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) 2, 13, 14, 11, 10.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

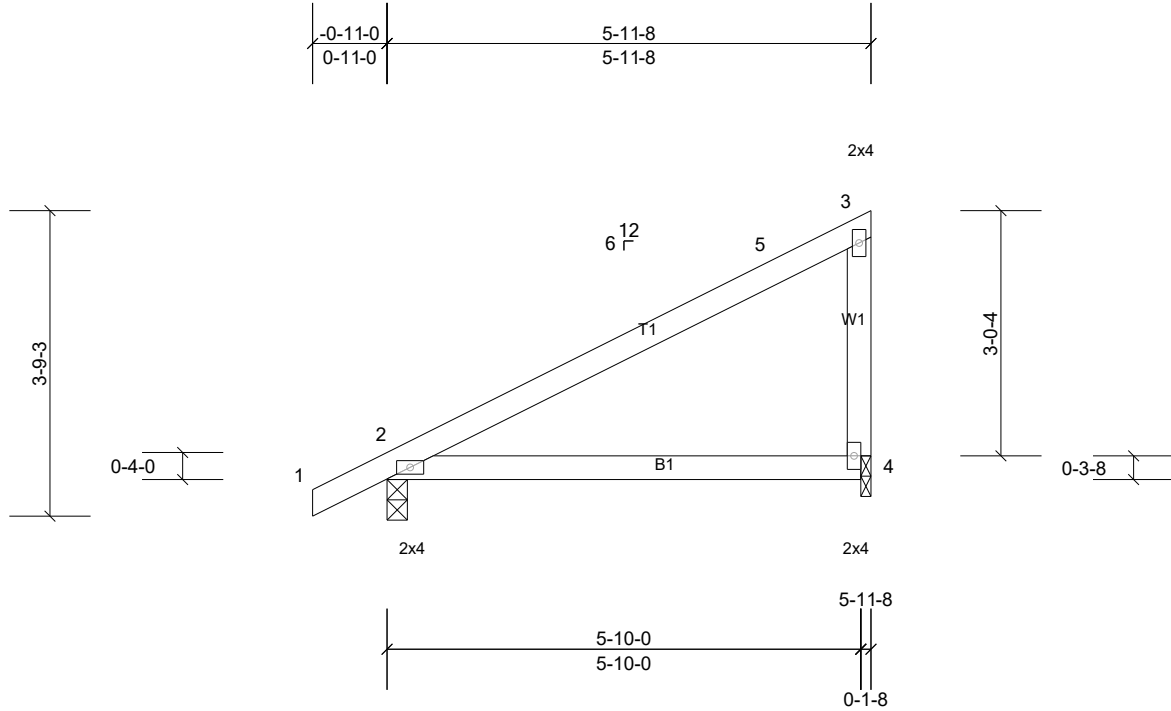
Job 3882933	Truss T3	Truss Type Monopitch	Qty 3	Ply 1	Job Reference (optional)
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Scale = 1:28.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.06	2-4	>999	360	MT20	244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.13	2-4	>542	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 24 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 2=216/0-3-0, (min. 0-1-8), 4=167/0-1-8, (min. 0-1-8)
 Max Horiz 2=118 (LC 12)
 Max Uplift 2=-28 (LC 12), 4=-58 (LC 12)
 Max Grav 2=296 (LC 2), 4=222 (LC 2)

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

- NOTES (11)**
- 1) Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.0 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 1-00-00 wide will fit between the bottom chord and any other members.
 - 7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 2 and 58 lb uplift at joint 4.
 - 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) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

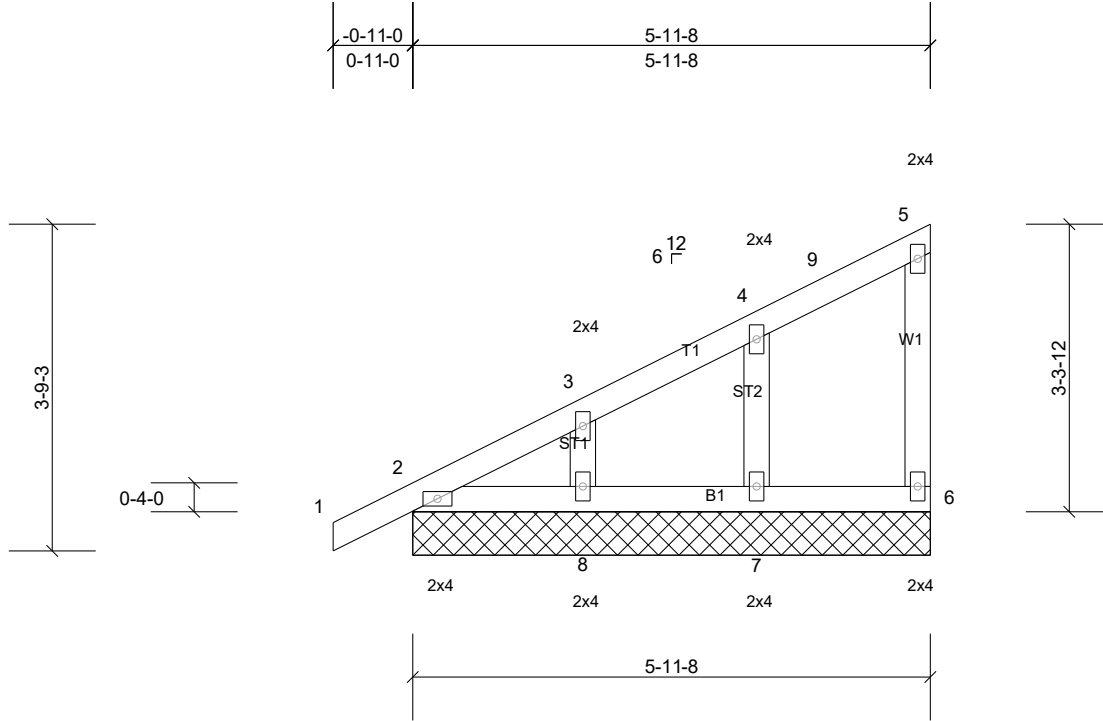
Job 3882933	Truss T3E	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:26.6

Loading	(psf)	Spacing	2-0-0	CSI	0.06	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0											
											Weight: 28 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS All bearings 5-11-8.

(lb) - Max Horiz 2=118 (LC 12)
 Max Uplift All uplift 100 (lb) or less at joint(s) 6, 7, 8
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 7, 8

FORCES

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

NOTES (12)

- 1) Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCCL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 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 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
- 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 1-00-00 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) 6, 7, 8.
- 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) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

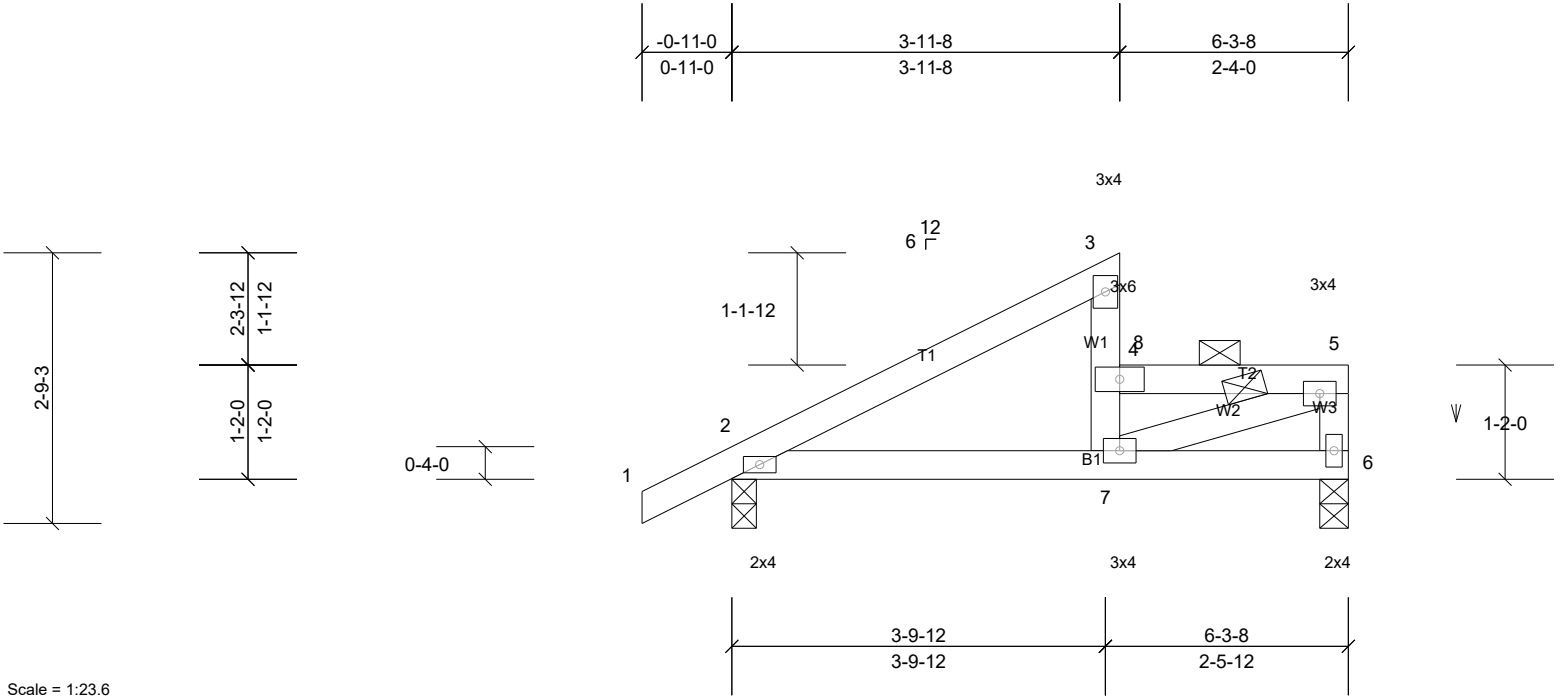
Job 3882933	Truss T4	Truss Type Half Hip	Qty 6	Ply 1	Job Reference (optional)
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Scale = 1:23.6

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.01	2-7	>999	360	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.04	2-7	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S		Wind(LL)	0.01	2-7	>999	240		
BCDL	10.0										Weight: 28 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-7, 4-5. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=285/0-3-0, (min. 0-1-8), 6=336/0-3-8, (min. 0-1-8)
 Max Horiz 2=120 (LC 12)
 Max Grav 2=388 (LC 33), 6=446 (LC 3)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-375/0, 4-8=-622/0, 5-8=-622/0, 5-6=-410/0
 BOT CHORD 2-7=0/306
 WEBS 5-7=0/571

NOTES (12)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCCL=6.0psf; BCCL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 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 2.00 times flat roof load of 10.0 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 1-00-00 wide will fit between the bottom chord and any other members.
- 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) 1, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-3=-40, 4-8=-50, 5-8=-80, 2-6=-20
 Concentrated Loads (lb)
 Vert: 8=-135
- Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-3=-50, 4-8=-50, 5-8=-140, 2-6=-20
 Concentrated Loads (lb)

Job 3882933	Truss T4	Truss Type Half Hip	Qty 6	Ply 1	Job Reference (optional)
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Vert: 8=-135

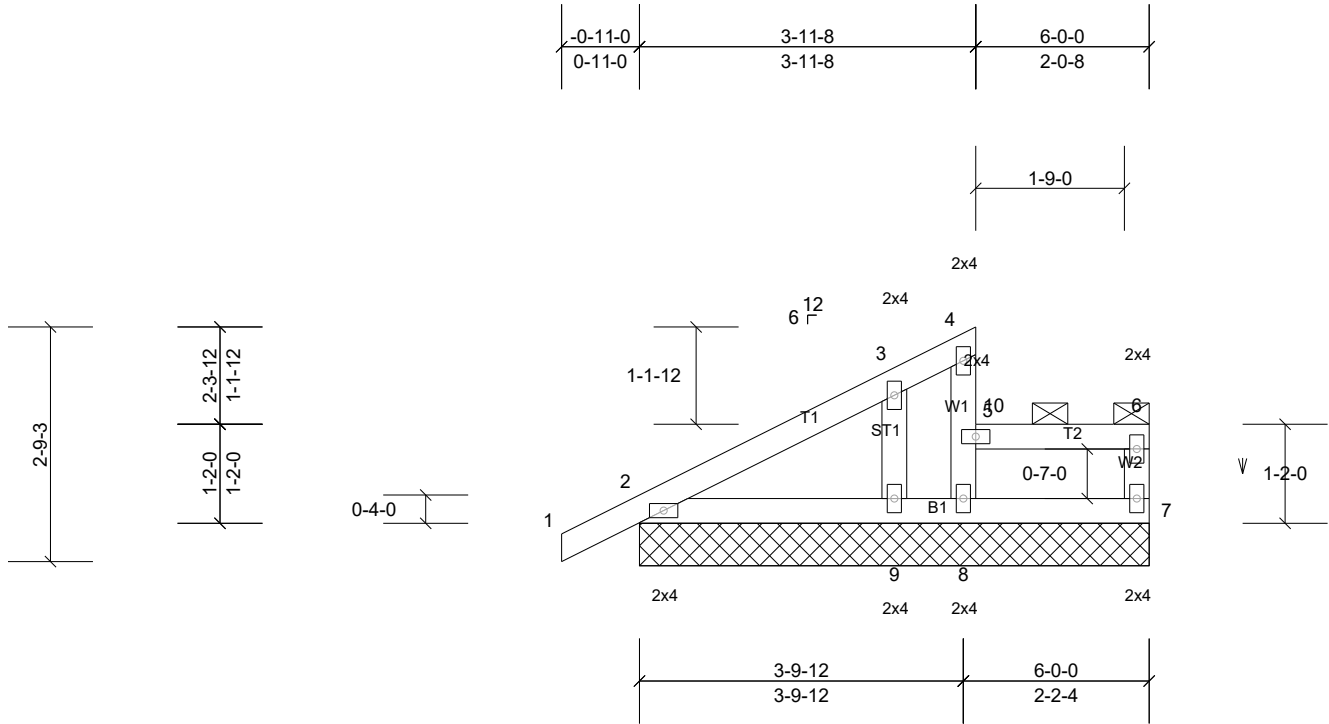
Job 3882933	Truss T4E	Truss Type Half Hip Supported Gable	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:27.2

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0											
										Weight: 26 lb	FT = 20%	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-8, 5-6.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 6-0-0.
 (lb) - Max Horiz 2=104 (LC 12)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 9
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 7, 8 except 9=278 (LC 32)

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

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

- NOTES (17)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=10.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 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 2.00 times flat roof load of 10.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 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) 2, 9.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-4=-40, 5-6=-50, 2-7=-20
 Concentrated Loads (lb)

Job 3882933	Truss T4E	Truss Type Half Hip Supported Gable	Qty 1	Ply 1	Job Reference (optional)
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Vert: 10=-135