

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A1E	Common Structural Gable	1	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:43 Page: 1
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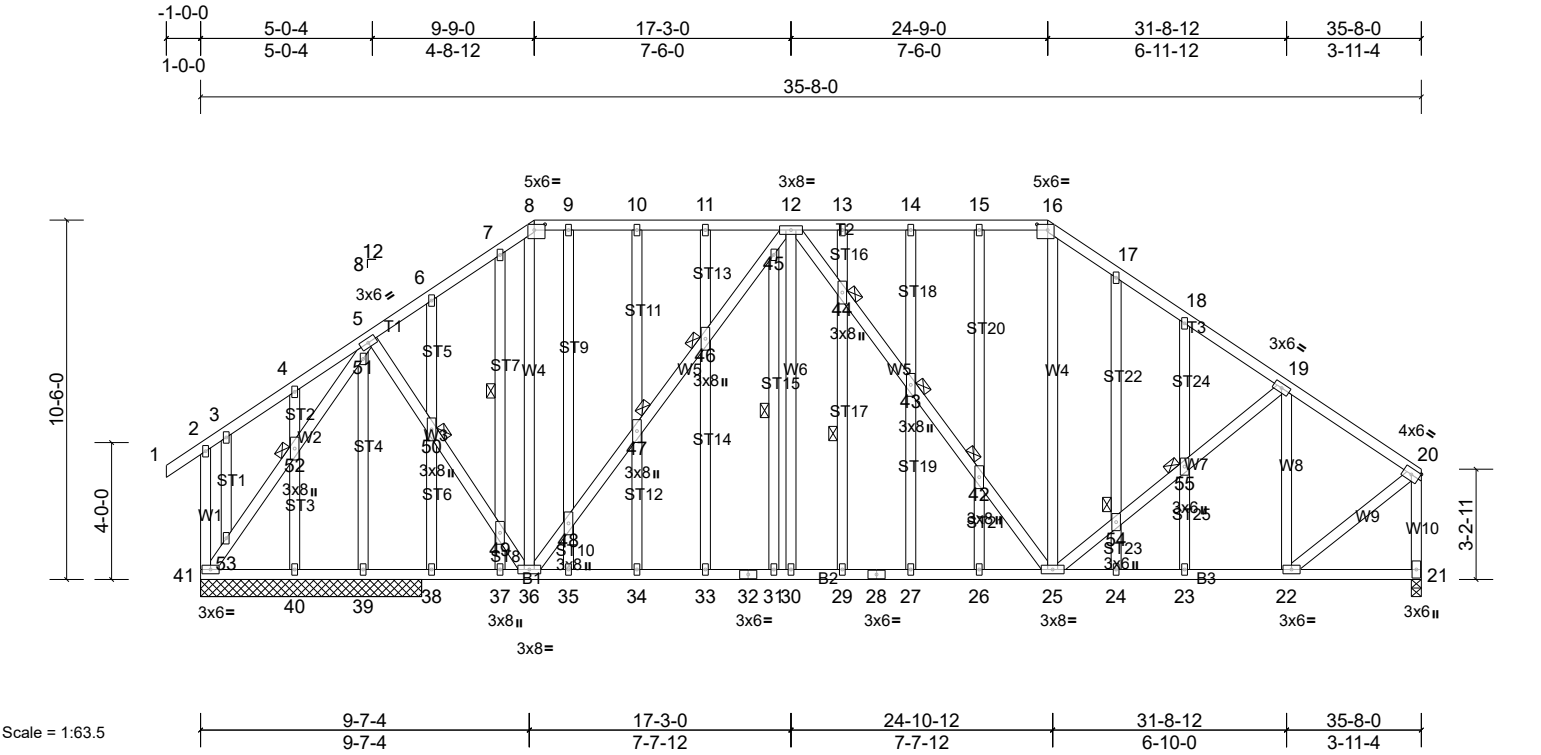


Plate Offsets (X, Y): [8:0-3-12,0-2-0], [16:0-3-12,0-2-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	0.11	23-24	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.16	33-34	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.04	21	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 428 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-1-13 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 9-10-3 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 29-44, 31-45, 7-49
OTHERS	2x4 SP No.2	JOINTS	1 Brace at Jt(s): 42, 43, 44, 46, 47, 50, 52, 54, 55
REACTIONS	All bearings 6-5-8. except 21=0-3-8 (lb) - Max Horiz 41=-404 (LC 10) Max Uplift All uplift 100 (lb) or less at joint(s) 40, 41 except 21=-258 (LC 13), 39=-199 (LC 9) Max Grav All reactions 250 (lb) or less at joint(s) 40 except 21=1268 (LC 2), 39=1065 (LC 2), 41=465 (LC 2)		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	4-5=-194/305, 5-6=-772/436, 6-7=-772/502, 7-8=-771/533, 8-9=-688/477, 9-10=-688/477, 10-11=-688/477, 11-12=-688/477, 12-13=-949/564, 13-14=-949/564, 14-15=-949/564, 15-16=-949/564, 16-17=-1099/631, 17-18=-1119/566, 18-19=-1185/500, 19-20=-1015/421, 2-41=-208/266, 20-21=-1252/458
BOT CHORD	40-41=-276/325, 39-40=-276/325, 38-39=-276/325, 37-38=-276/325, 36-37=-276/325, 35-36=-340/999, 34-35=-340/999, 33-34=-340/999, 32-33=-340/999, 31-32=-340/999, 30-31=-340/999, 29-30=-340/999, 28-29=-340/999, 27-28=-340/999, 26-27=-340/999, 25-26=-340/999, 24-25=-179/805, 23-24=-179/805, 22-23=-179/805
WEBS	5-50=-186/754, 49-50=-187/729, 36-49=-208/746, 36-48=-661/271, 47-48=-710/282, 46-47=-664/267, 45-46=-655/261, 12-45=-693/286, 12-30=-90/303, 12-44=-262/244, 42-43=-275/246, 25-42=-264/251, 16-25=-215/391, 19-22=-479/173, 41-53=-349/152, 52-53=-369/164, 51-52=-316/163, 5-51=-1125/221, 20-22=-286/1016, 39-51=-922/293

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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/TP1 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 41, 40 except (jt=lb) 21=257, 39=198.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A1E	Common Structural Gable	1	1	Job Reference (optional)

12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A2	Common	2	1	Job Reference (optional)

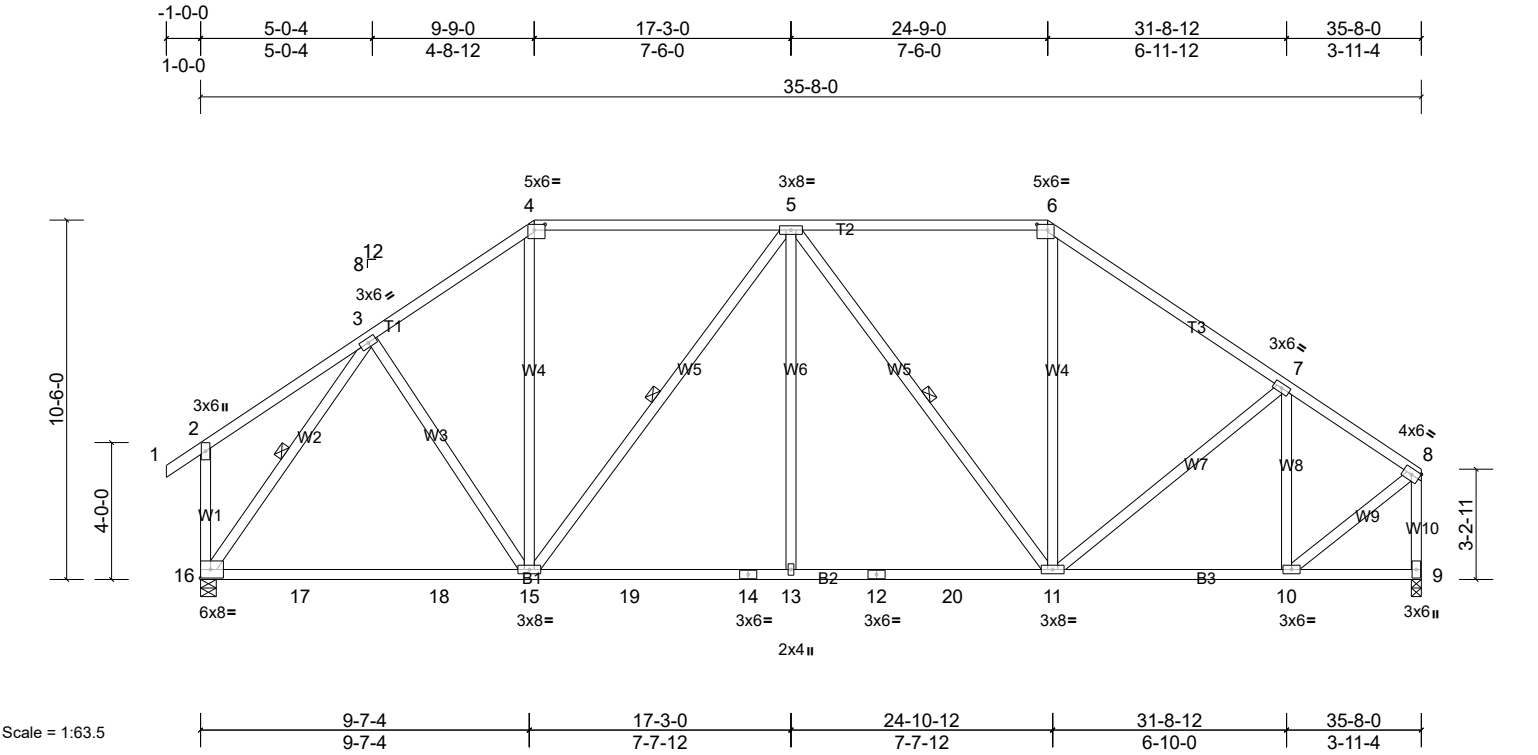


Plate Offsets (X, Y): [4:0-3-12,0-2-0], [6:0-3-12,0-2-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.29	15-16	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.51	15-16	>825	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 256 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	
WEBS	2x4 SP No.2	WEBS	Rigid ceiling directly applied or 2-2-0 oc bracing.
REACTIONS		1 Row at midpt	
(lb/size)	9=1310/0-3-8, (min. 0-1-11), 16=1374/0-5-8, (min. 0-1-13)	5-15, 5-11, 3-16	
Max Horiz	16=-404 (LC 10)	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	
Max Uplift	9=-272 (LC 13), 16=-292 (LC 12)		
Max Grav	9=1414 (LC 2), 16=1548 (LC 3)		

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-221/265, 3-4=-1345/626, 4-5=-1054/580, 5-6=-1089/604, 6-7=-1420/623, 7-8=-1118/450, 2-16=-302/294, 8-9=-1386/484
BOT CHORD	16-17=-410/967, 17-18=-410/967, 15-18=-410/967, 15-19=-392/1359, 14-19=-392/1359, 13-14=-392/1359, 12-13=-392/1359, 12-20=-392/1359, 11-20=-392/1359, 10-11=-206/915
WEBS	3-15=-162/418, 4-15=-126/432, 5-15=-559/296, 5-13=0/412, 5-11=-521/289, 6-11=-80/420, 7-11=-198/344, 7-10=-613/279, 3-16=-1456/354, 8-10=-342/1160

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 16 and 272 lb uplift at joint 9.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 2501947-24508	Truss A3	Truss Type Common	Qty 1	Ply 1	Daughtry Plan - Onsite Job Reference (optional)
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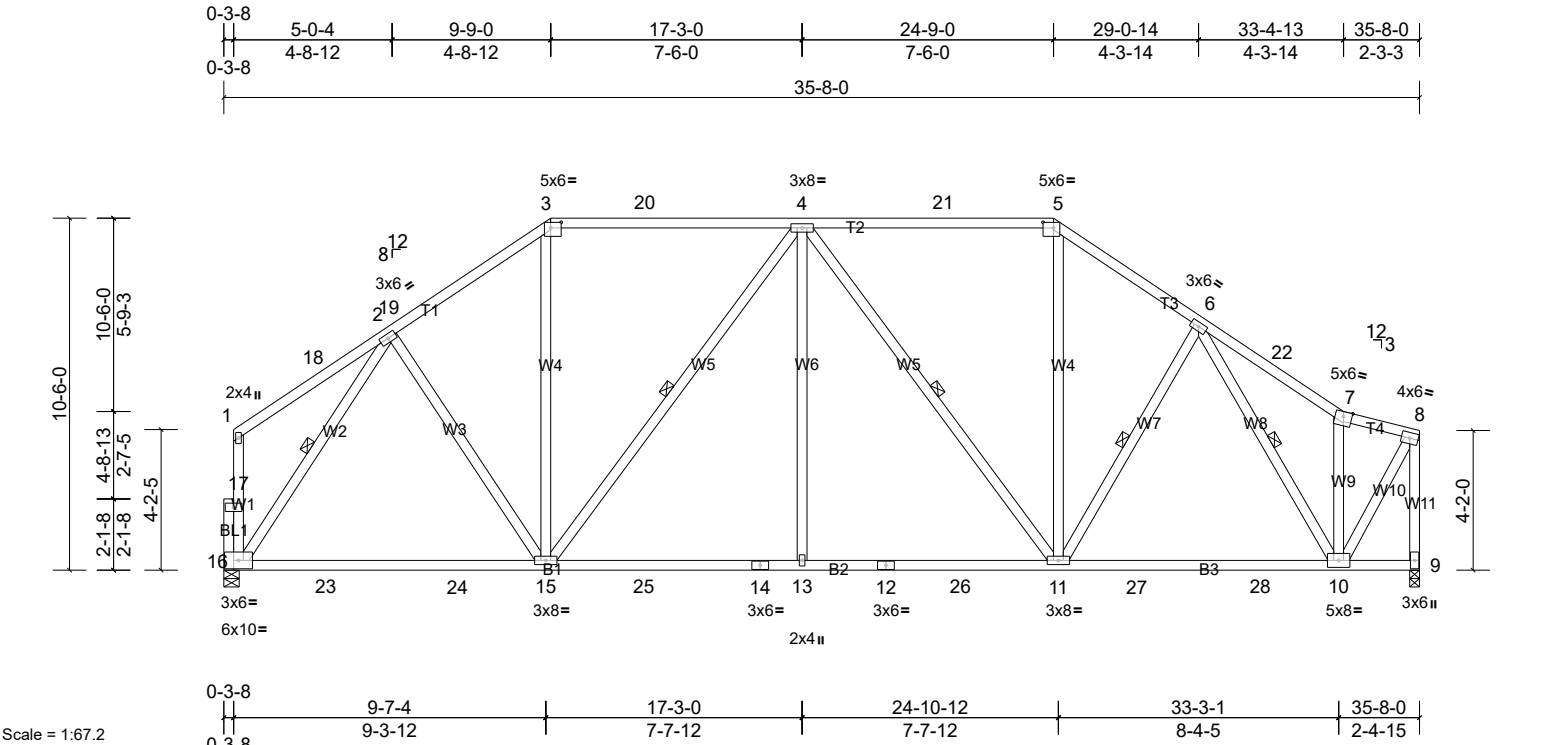


Plate Offsets (X, Y): [3:0-3-12,0-2-0], [5:0-3-12,0-2-0]

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	0.88	Vert(LL)	-0.25	15-16	>999	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.44	15-16	>955	180	
TCDL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.07	9	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS							
BCDL	10.0										Weight: 267 lb FT = 20%

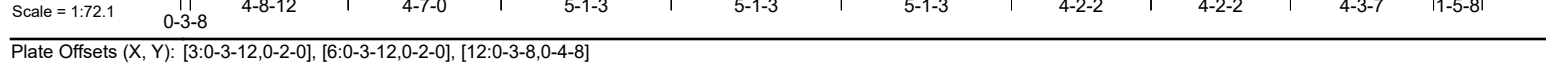
LUMBER	BRACING
TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-15, 4-11, 6-11, 6-10, 2-16
OTHERS 2x4 SP No.2	
REACTIONS (lb/size) 9=1305/0-3-8, (min. 0-1-12), 16=1304/0-5-8, (min. 0-1-8)	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
Max Horiz 16=-399 (LC 10)	
Max Uplift 9=-276 (LC 15), 16=-247 (LC 14)	
Max Grav 9=1475 (LC 3), 16=1542 (LC 46)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-19=-1384/576, 3-19=-1379/608, 3-20=-1120/564, 4-20=-1120/564, 4-21=-1195/592, 5-21=-1195/592, 5-6=-1471/650, 6-22=-878/457, 7-22=-966/440, 7-8=-787/314, 16-17=-261/170, 1-17=-257/170, 8-9=-1527/473
BOT CHORD	16-23=-390/968, 23-24=-390/968, 15-24=-390/968, 15-25=-384/1524, 14-25=-384/1524, 13-14=-384/1524, 12-13=-384/1524, 12-26=-384/1524, 11-26=-384/1524, 11-27=-203/1087, 27-28=-203/1087, 10-28=-203/1087
WEBS	2-15=-168/530, 3-15=-119/446, 4-15=-674/299, 4-13=0/395, 4-11=-552/276, 5-11=-152/502, 6-11=-174/344, 6-10=-741/172, 7-10=-495/283, 2-16=-1468/412, 8-10=-404/1510

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 9 and 247 lb uplift at joint 16.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:44 Page: 1
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LUMBER		BRACING
TOP CHORD	2x4 SP No.2	TOP CHORD
BOT CHORD	2x6 SP No.2	Structural wood sheathing directly applied or 3-7-11 oc purlins, except end verticals.
WEBS	2x4 SP No.2	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.2	1 Row at midpt
REACTIONS (lb/size)		3-20, 4-19, 5-19, 5-15, 7-15
Max Horiz	22=400 (LC 8)	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
Max Uplift	11=582 (LC 13), 22=-273 (LC 12)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-24=-1272/218, 2-24=-1176/236, 2-3=-1491/356, 3-25=-1603/367, 4-25=-1603/367, 4-5=-1603/367, 5-26=-1524/461, 6-26=-1524/461, 6-7=-1891/494, 7-27=-2115/489, 27-28=-2123/473, 8-28=-2187/471, 8-29=-2165/473, 9-29=-2196/463, 9-10=-1026/220, 22-23=-1592/295, 1-23=-1591/294, 10-11=-2459/560
BOT CHORD	21-22=-258/358, 20-21=-339/1043, 20-30=-325/1211, 19-30=-325/1211, 18-19=-341/1711, 18-31=-341/1711, 17-31=-341/1711, 16-17=-341/1711, 15-16=-341/1711, 14-15=-314/1771, 13-14=-457/2082, 13-32=-261/990, 12-32=-261/990
WEBS	2-21=-674/173, 2-20=-211/496, 3-20=-260/226, 3-19=-313/892, 4-19=-489/216, 5-19=-319/151, 5-17=0/280, 5-15=-474/282, 6-15=-154/795, 7-15=-644/330, 7-14=-81/351, 8-14=-451/203, 8-13=-602/307, 9-13=-255/1413, 9-12=-1320/363, 1-21=-161/1188, 10-12=-565/2390

- ### NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 582 lb uplift at joint 11 and 273 lb uplift at joint 22.
 - 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 508 lb down and 130 lb up at 35-11-4, and 506 lb down and 130 lb up at 37-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A4G	Roof Special Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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

 Uniform Loads (lb/ft)

 Vert: 1-3=-50, 3-6=-60, 6-8=-50, 8-10=-50, 11-22=-20

 Concentrated Loads (lb)

 Vert: 32=-442 (B), 33=-441 (B)

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A5	Roof Special	8	1	Job Reference (optional)

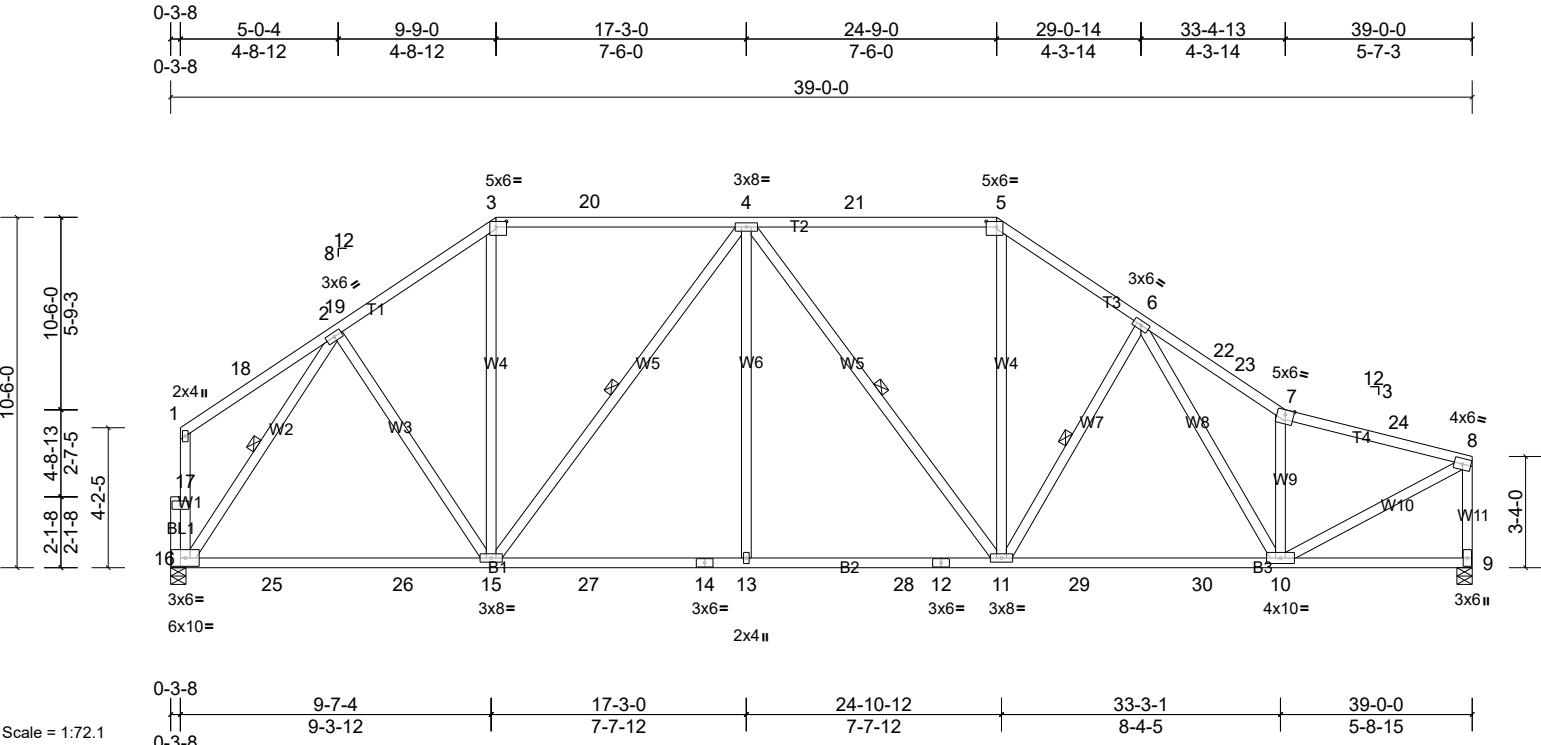


Plate Offsets (X, Y): [3:0-3-12,0-2-0], [5:0-3-12,0-2-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.25	15-16	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.45	15-16	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.08	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
										Weight: 278 lb		FT = 20%

LUMBER			BRACING		
TOP CHORD	2x4 SP No.2	*Except* T2:2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.	
BOT CHORD	2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.	
WEBS	2x4 SP No.2		WEBS	1 Row at midpt 4-15, 4-11, 6-11, 2-16	
OTHERS	2x4 SP No.2			MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS		(lb/size)	9=1416/0-5-8, (min. 0-1-14), 16=1426/0-5-8, (min. 0-1-8)
Max Horiz		16=-404 (LC 10)	
Max Uplift		9=-334 (LC 15), 16=-260 (LC 14)	
Max Grav		9=1571 (LC 3), 16=1675 (LC 46)	
FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		2-19=-1526/628, 3-19=-1521/660, 3-20=-1237/606, 4-20=-1237/606, 4-21=-1505/706, 5-21=-1505/706, 5-6=-1848/788, 6-22=-2081/879, 22-23=-2084/863, 7-23=-2141/860, 7-24=-1824/662, 8-24=-1858/652, 16-17=-262/169, 1-17=-258/169, 8-9=-1538/563	
BOT CHORD		16-25=-342/1045, 25-26=-342/1045, 15-26=-342/1045, 15-27=-355/1736, 14-27=-355/1736, 13-14=-355/1736, 13-28=-355/1736, 12-28=-355/1736, 11-12=-355/1736, 11-29=-377/1628, 29-30=-377/1628, 10-30=-377/1628	
WEBS		2-15=-176/579, 3-15=-148/525, 4-15=-833/319, 4-13=0/393, 4-11=-436/252, 5-11=-227/726, 6-11=-498/315, 6-10=-156/301, 7-10=-958/512, 2-16=-1628/469, 8-10=-586/1987	

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 16 and 334 lb uplift at joint 9.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A6E	Roof Special Structural Gable	1	1	Job Reference (optional)

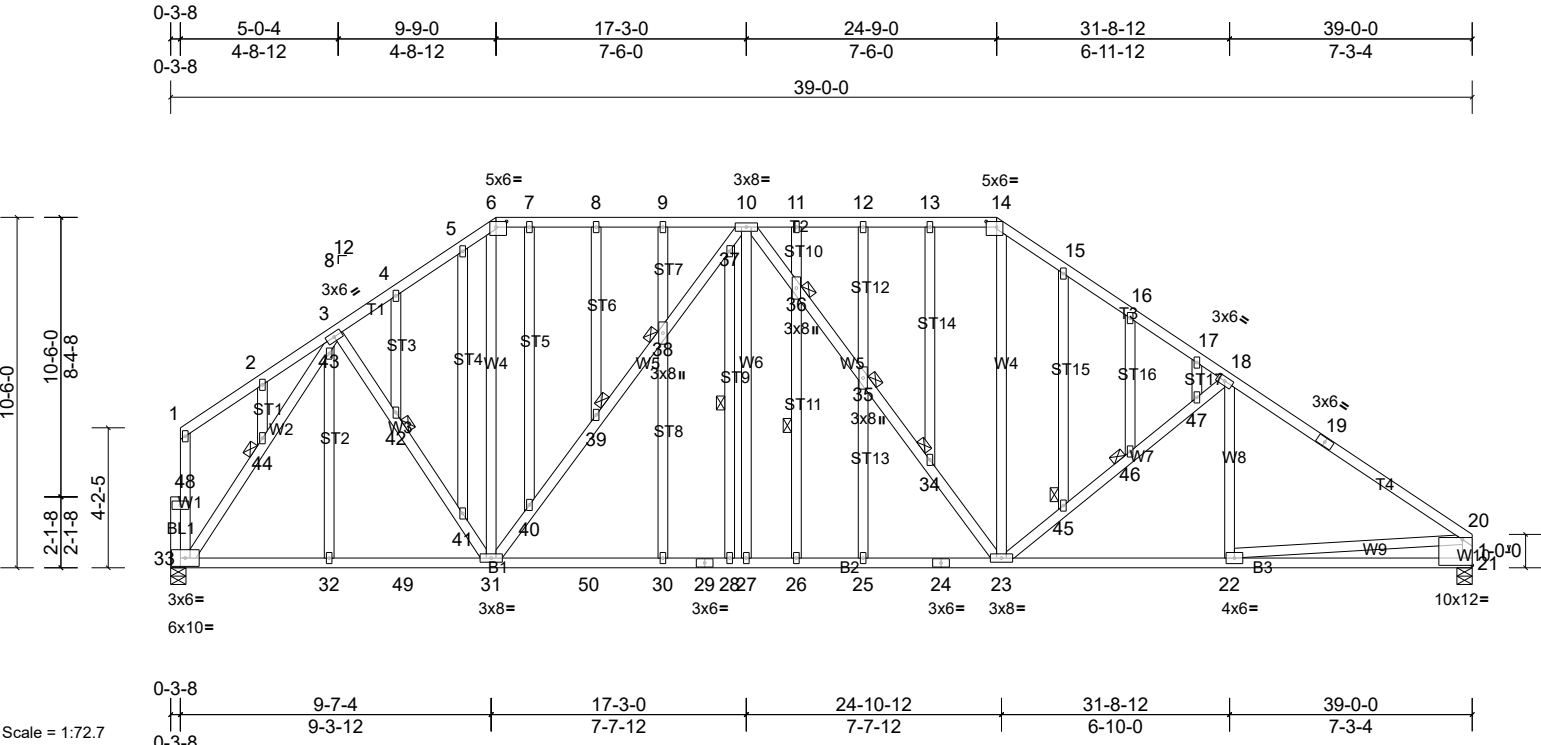


Plate Offsets (X, Y): [6:0-3-12,0-2-0], [14:0-3-12,0-2-0], [21:Edge,0-9-4]

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	0.76	Vert(LL)	0.14	23-25	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.25	23-25	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.07	21	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 406 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 8-9-6 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 26-36, 28-37
OTHERS	2x4 SP No.2	JOINTS	1 Brace at Jt(s): 34, 35, 36, 38, 39, 42, 44, 45, 46
REACTIONS	(lb/size) 21=1416/0-5-8, (min. 0-1-13), 33=1426/0-5-8, (min. 0-1-8)		
	Max Horiz 33=-403 (LC 8)		
	Max Uplift 21=-327 (LC 13), 33=-261 (LC 12)		
	Max Grav 21=1542 (LC 2), 33=1534 (LC 2)		

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	1-2=-253/201, 3-4=-1400/637, 4-5=-1346/659, 5-6=-1267/668, 6-7=-1110/614, 7-8=-1110/614, 8-9=-1110/614, 9-10=-1110/614, 10-11=-1375/707, 11-12=-1375/707, 12-13=-1375/707, 13-14=-1375/707, 14-15=-1641/775, 15-16=-1696/745, 16-17=-1717/686, 17-18=-1818/745, 18-19=-1989/718, 19-20=-2131/692, 33-48=-282/189, 1-48=-279/188, 20-21=-1471/534
BOT CHORD	32-33=-346/957, 32-49=-346/957, 31-49=-346/957, 31-50=-343/1474, 30-50=-343/1474, 29-30=-343/1474, 28-29=-343/1474, 27-28=-343/1474, 26-27=-343/1474, 25-26=-343/1474, 24-25=-343/1474, 23-24=-343/1474, 22-23=-442/1683, 21-22=-140/288
WEBS	3-42=-205/385, 41-42=-202/371, 31-41=-234/415, 6-31=-151/417, 31-40=-680/301, 39-40=-733/310, 38-39=-674/278, 37-38=-680/296, 10-37=-706/300, 10-27=-89/303, 10-36=-309/275, 35-36=-274/266, 34-35=-317/270, 23-34=-317/286, 14-23=-220/591, 23-45=-587/374, 45-46=-565/348, 46-47=-493/294, 18-47=-597/382, 33-44=-1538/407, 43-44=-1634/412, 3-43=-1564/467, 20-22=-325/1421

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - Provide adequate drainage to prevent water ponding.
 - 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.

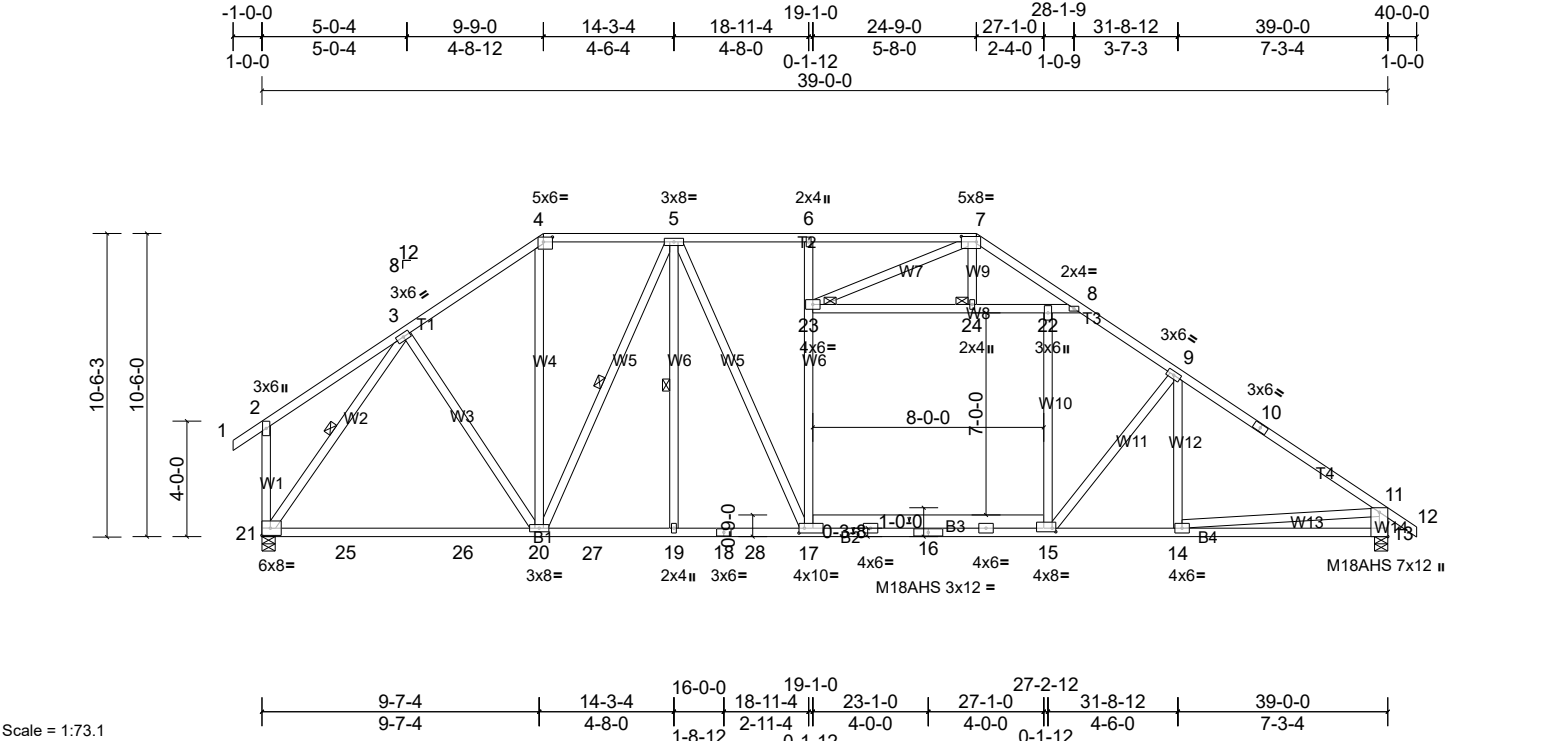
Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A6E	Roof Special Structural Gable	1	1	Job Reference (optional)

- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Bearing at joint(s) 33 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 327 lb uplift at joint 21 and 261 lb uplift at joint 33.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A8	Common	3	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:46 Page: 1
ID:w5T4BiakzZmymKNKypPA3fzNrH_-VBsS43nrMFvbksayZ0TwgUIMr?1?qHFreYU_j9zNo7J



Scale = 1:73.1
Plate Offsets (X, Y): [4:0-3-12,0-2-0], [7:0-6-4,0-2-4], [13:Edge,0-3-8], [15:0-1-8,0-1-8], [17:0-2-4,0-2-0]

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	0.68	Vert(LL)	-0.57	14-15	>812	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.80	14-15	>581	180	M18AHS 186/179
TCDL	10.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.07	13	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.29	15-17	>345	360	
BCDL	10.0										Weight: 317 lb FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-7-4 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1 *Except* B3:2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 14-15.
WEBS	2x4 SP No.2 *Except* W8:2x4 SP DSS	WEBS	1 Row at midpt 3-21, 5-19, 5-20
REACTIONS (lb/size)	13=1769/0-5-8, (min. 0-2-7), 21=1693/0-5-8, (min. 0-2-6)	JOINTS	1 Brace at Jt(s): 23, 24
Max Horiz	21=-425 (LC 10)		
Max Uplift	13=-118 (LC 13), 21=-136 (LC 12)		
Max Grav	13=2074 (LC 3), 21=2026 (LC 3)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-223/261, 3-4=-1884/487, 4-5=-1493/461, 5-6=-2205/446, 6-7=-2192/440, 7-8=-1670/321, 8-9=-2717/374, 9-10=-2757/343, 10-11=-2876/320, 2-21=-304/290, 11-13=-1997/370		
BOT CHORD	21-25=-245/1296, 25-26=-245/1296, 20-26=-245/1296, 20-27=-127/1918, 19-27=-127/1918, 18-19=-127/1918, 18-28=-127/1918, 17-28=-127/1918, 16-17=0/2209, 15-16=0/2209, 14-15=-60/2301, 13-14=-183/487		
WEBS	3-20=-84/612, 4-20=-97/788, 3-21=-2035/209, 11-14=0/1909, 17-23=-271/237, 6-23=-364/236, 15-22=-98/559, 23-24=-841/130, 22-24=-861/126, 8-22=-861/126, 7-24=0/348, 9-15=-562/425, 5-20=-1061/139, 5-17=-14/861, 7-23=-141/929		
NOTES			
1)	Unbalanced roof live loads have been considered for this design.		
2)	Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60		
3)	TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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)	This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.		
5)	Provide adequate drainage to prevent water ponding.		
6)	All plates are MT20 plates unless otherwise indicated.		
7)	This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.		
8)	* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.		
9)	Ceiling dead load (5.0 psf) on member(s). 23-24, 22-24, 8-22; Wall dead load (10.0psf) on member(s).17-23, 15-22		
10)	Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17		
11)	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 136 lb uplift at joint 21 and 118 lb uplift at joint 13.		
12)	This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.		
13)	ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.		

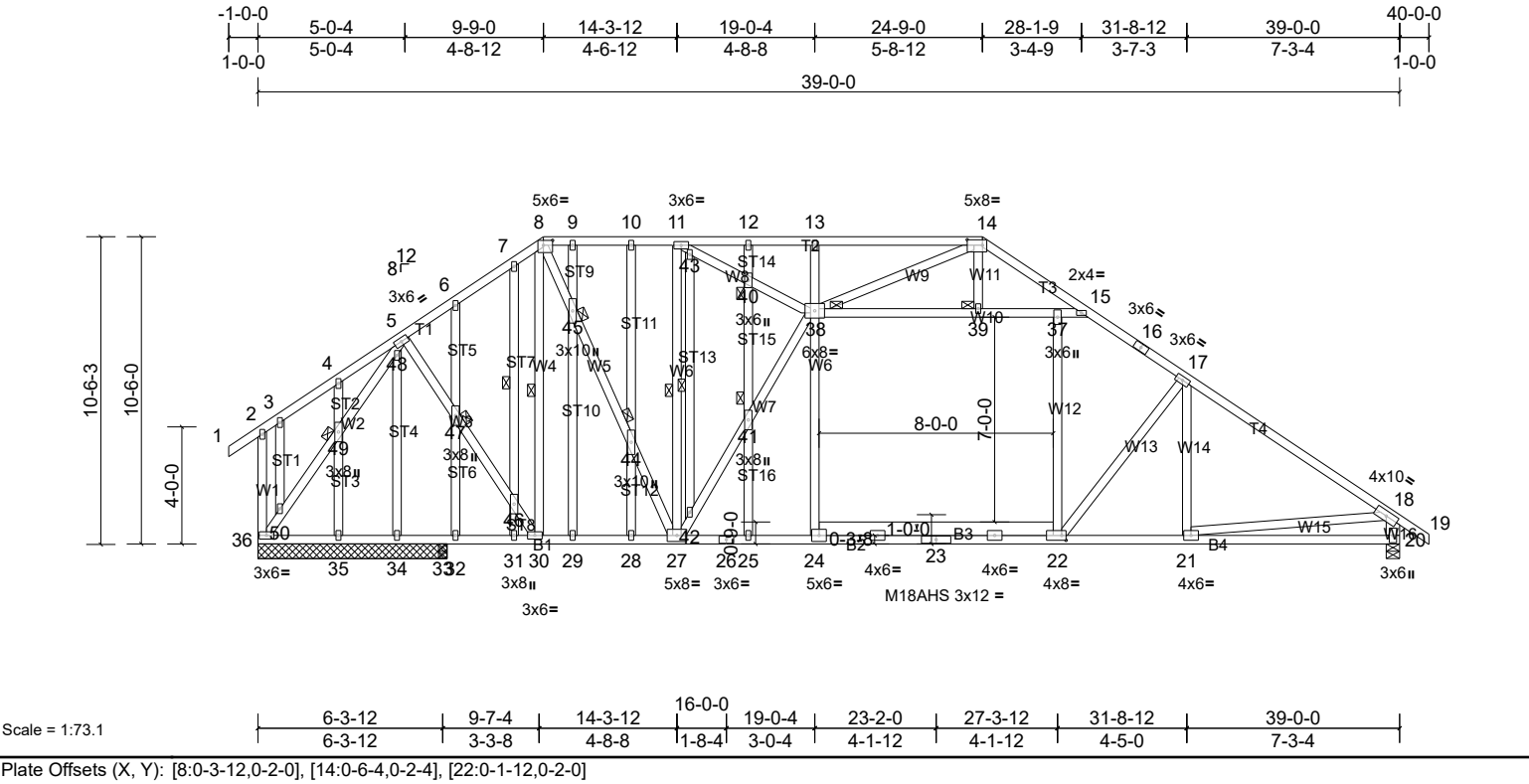
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A8	Common	3	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A9E	Piggyback Base Structural Gable	1	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:46 Page: 1
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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	0.71	Vert(LL)	-0.15	22-24	>999	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.28	22-24	>999	180	M18AHS 186/179
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.05	20	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.08	22-24	>999	360	
BCDL	10.0										Weight: 427 lb FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1, B3:2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* W16:2x6 SP No.2, W10:2x4 SP DSS	WEBS 1 Row at midpt 8-30, 11-27, 42-43, 7-46
OTHERS 2x4 SP No.2	JOINTS 1 Brace at Jt(s): 38, 39, 40, 41, 44, 45, 47, 49
REACTIONS All bearings 6-5-8. except 20=0-5-8, 33=0-3-8	
(lb) - Max Horiz 36=-426 (LC 10)	
Max Uplift All uplift 100 (lb) or less at joint(s) 34 except 20=-101 (LC 13), 33=-104 (LC 12), 35=-118 (LC 12), 36=-128 (LC 13)	
Max Grav All reactions 250 (lb) or less at joint(s) 35 except 20=1890 (LC 3), 33=491 (LC 25), 34=1131 (LC 3), 36=463 (LC 26)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	4-5=-214/305, 5-6=-947/273, 6-7=-1029/353, 7-8=-1043/388, 8-9=-1400/349, 9-10=-1400/349, 10-11=-1400/349, 11-12=-1585/386, 12-13=-1585/386, 13-14=-1582/387, 14-15=-1289/186, 15-16=-2320/267, 16-17=-2404/247, 17-18=-2555/236, 2-36=-208/262, 18-20=-1814/307
BOT CHORD	35-36=-125/343, 34-35=-125/343, 33-34=-125/343, 32-33=-125/343, 31-32=-125/343, 30-31=-125/343, 29-30=-68/878, 28-29=-68/878, 27-28=-68/878, 26-27=0/1961, 25-26=0/1961, 24-25=0/1961, 23-24=0/1958, 22-23=0/1958, 21-22=0/2032, 20-21=-232/540
WEBS	5-47=-17/1112, 46-47=-5/1167, 30-46=-26/1076, 8-30=-750/13, 36-50=-463/142, 49-50=-492/145, 48-49=-424/160, 5-48=-1347/85, 18-21=0/1659, 24-38=0/909, 13-38=-341/211, 22-37=-120/586, 38-39=-1081/203, 37-39=-1101/200, 15-37=-1101/200, 14-39=0/341, 11-27=-331/286, 11-43=-571/480, 40-43=-612/491, 38-40=-589/467, 27-42=-1271/129, 41-42=-1333/143, 38-41=-1272/141, 8-45=-14/1511, 44-45=-8/1432, 27-44=-3/1365, 17-22=-354/286, 14-38=-336/604, 6-47=-267/122, 32-47=-331/126, 34-48=-1231/76, 4-49=-259/137

- NOTES
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 2x4 (||) MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A9E	Piggyback Base Structural Gable	1	1	Job Reference (optional)

- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 12) Ceiling dead load (5.0 psf) on member(s). 38-39, 37-39, 15-37; Wall dead load (10.0psf) on member(s).24-38, 22-37, 25-41
- 13) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 24-25, 22-24
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34 except (jt=lb) 36=127, 20=100, 35=118, 33=104.
- 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) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	A11	Common	2	1	Job Reference (optional)

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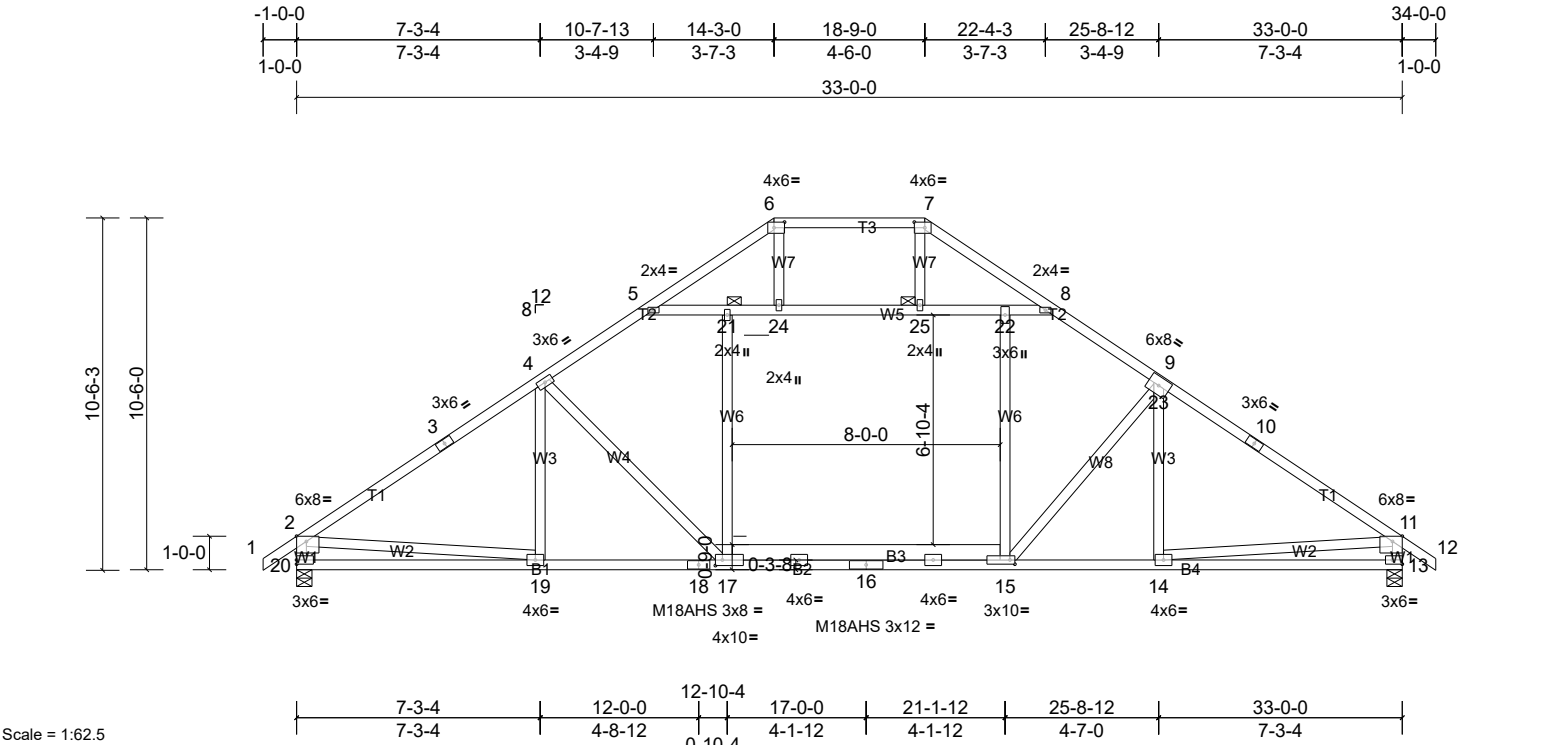


Plate Offsets (X, Y): [2:0-3-8,Edge], [6:0-3-12,0-2-0], [7:0-3-12,0-2-0], [11:0-3-8,Edge], [13:Edge,0-1-8], [15:0-1-12,0-1-8], [17:0-2-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	0.45	14-15	>879	240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.56	14-15	>699	180	M18AHS 186/179
TCDL	10.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.05	13	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.29	15-17	>344	360	
BCDL	10.0										Weight: 235 lb FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-6 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1 *Except* B1:2x4 SP No.2, B3:2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-4-3 oc bracing.
WEBS 2x4 SP No.2 *Except* W5:2x4 SP DSS	JOINTS 1 Brace at Jt(s): 21, 25
REACTIONS (lb/size) 13=1485/0-5-8, (min. 0-2-1), 20=1473/0-5-8, (min. 0-2-0)	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
Max Horiz 20=-373 (LC 10)	
Max Uplift 13=-114 (LC 13), 20=-125 (LC 12)	
Max Grav 13=1748 (LC 26), 20=1721 (LC 25)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2273/232, 3-4=-2155/255, 4-5=-2083/264, 5-6=-1201/179, 6-7=-955/200, 7-8=-1156/181, 8-9=-2135/263, 9-10=-2209/240, 10-11=-2327/217, 2-20=-1654/313, 11-13=-1683/304
BOT CHORD	19-20=-373/715, 18-19=-104/2014, 17-18=-104/2014, 16-17=0/1781, 15-16=0/1781, 14-15=0/1850, 13-14=-199/535
WEBS	9-23=-281/263, 2-19=0/1380, 11-14=0/1476, 17-21=-70/588, 15-22=-83/599, 5-21=-844/160, 21-24=-844/160, 24-25=-813/164, 22-25=-831/160, 8-22=-831/160, 4-17=-380/382, 15-23=-440/391, 6-24=0/547, 7-25=0/456

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 5-21, 21-24, 24-25, 22-25, 8-22; Wall dead load (10.0psf) on member(s).17-21, 15-22
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 20 and 114 lb uplift at joint 13.
 - 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.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	B1E	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:48 Page: 1
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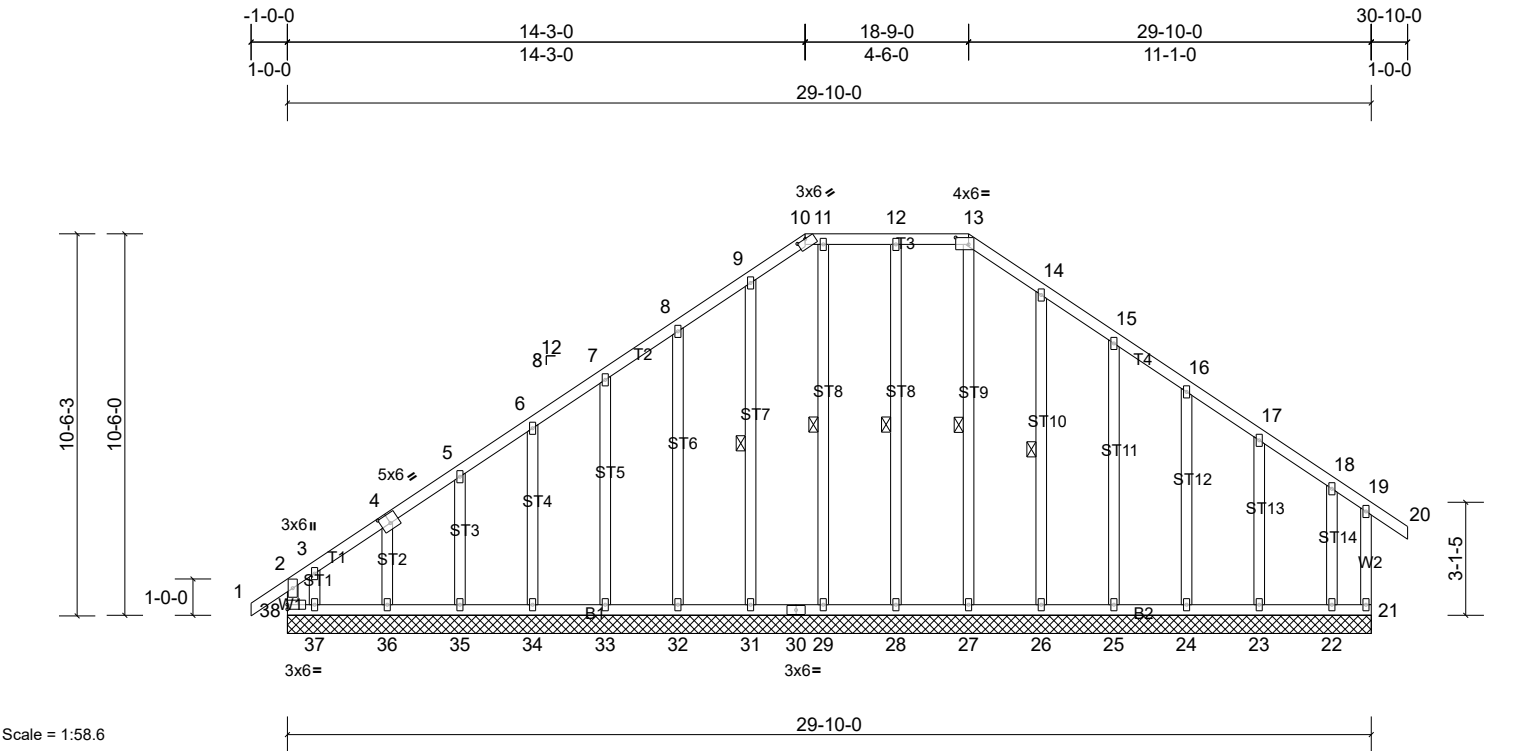


Plate Offsets (X, Y): [4:0-3-0,0-3-0], [10:0-3-0,0-0-2], [13:0-4-4,0-2-4]

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	0.26	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	21	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MR							
BCDL	10.0										
Weight: 245 lb FT = 20%											

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 13-27, 12-28, 11-29, 9-31, 14-26
OTHERS	2x4 SP No.2		
REACTIONS	All bearings 29-10-0.		
	(lb) - Max Horiz 38=409 (LC 11)		
	Max Uplift All uplift 100 (lb) or less at joint(s) 21, 24, 26, 27, 28, 29, 31, 33, 36 except 22=-116 (LC 13), 23=-102 (LC 13), 25=-105 (LC 13), 32=-115 (LC 12), 34=-101 (LC 12), 35=-103 (LC 12), 37=-494 (LC 9), 38=600 (LC 8)		
	Max Grav All reactions 250 (lb) or less at joint(s) 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36 except 37=533 (LC 10), 38=656 (LC 11)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-38=-423/394, 2-3=-494/470, 3-4=-363/344, 4-5=-342/338, 5-6=-319/331, 6-7=-296/326, 7-8=-272/372, 8-9=-321/461, 9-10=-356/494, 10-11=-320/453, 11-12=-320/453, 12-13=-320/452, 13-14=-365/510, 14-15=-299/435, 15-16=-233/354, 16-17=-169/277		
WEBS	3-37=-266/266		
NOTES			

- 1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Truss designed for wind loads in the plane of the truss only. 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.

4) TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.

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 15.0 psf on overhangs non-concurrent with other live loads.

6) Provide adequate drainage to prevent water ponding.

7) All plates are 2x4 (||) MT20 unless otherwise indicated.

8) Gable requires continuous bottom chord bearing.

9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

10) Gable studs spaced at 2-0-0 oc.

11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

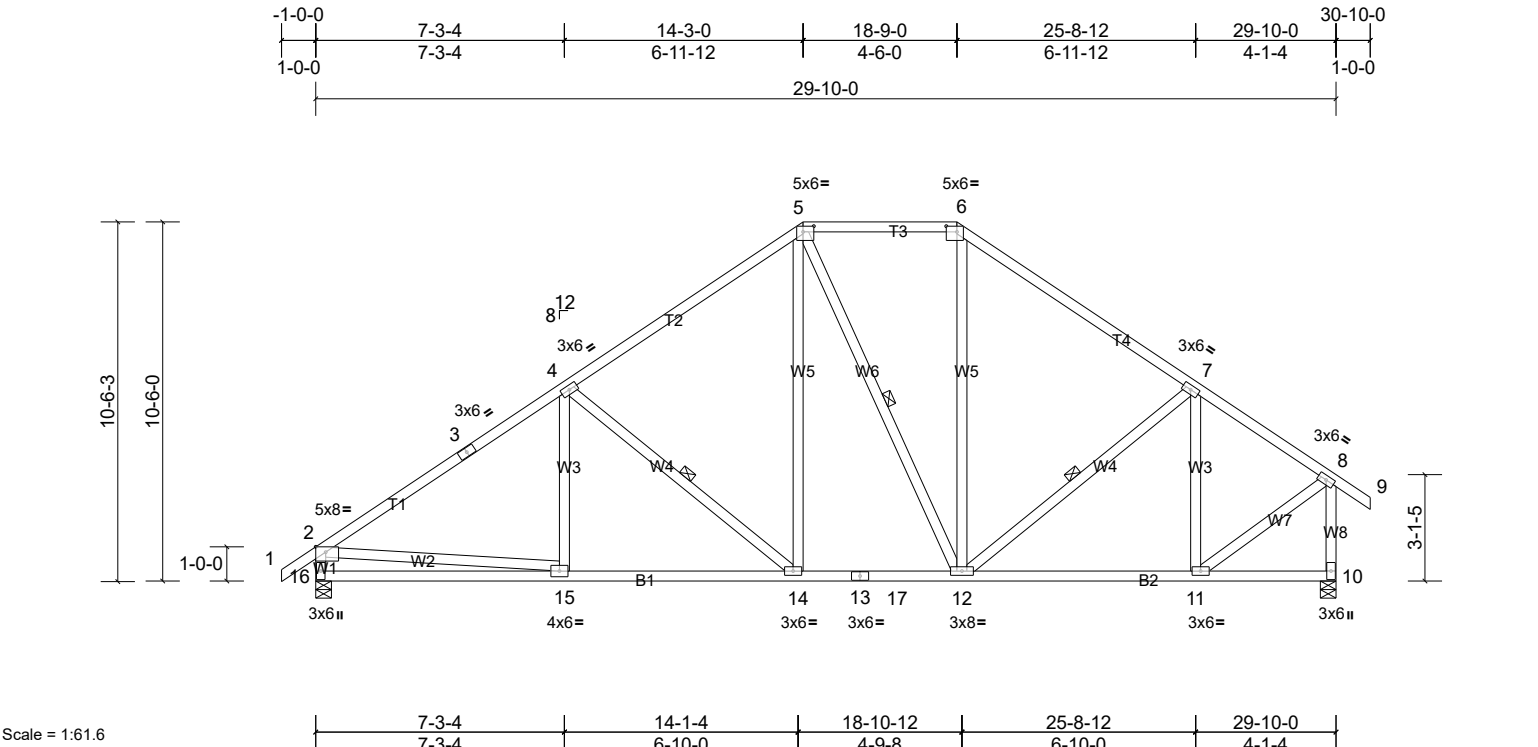
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	B1E	Common Supported Gable	1	1	Job Reference (optional)

- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 27, 28, 29, 31, 33, 36, 26, 24 except (jt=lb) 38=600, 32=114, 34=100, 35=103, 37=494, 25=105, 23=101, 22=115.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	B2	Common	1	1	Job Reference (optional)

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Scale = 1:61.6	7-3-4	14-1-4	18-10-12	25-8-12	29-10-0
	7-3-4	6-10-0	4-9-8	6-10-0	4-1-4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.06	15-16	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.14	15-16	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.03	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 208 lb	FT = 20%

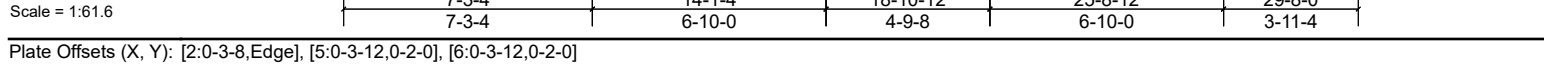
LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-14, 5-12, 7-12
REACTIONS (lb/size) 10=1116/0-5-8, (min. 0-1-8), 16=1111/0-5-8, (min. 0-1-8)	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
Max Horiz 16=410 (LC 11)	
Max Uplift 10=-280 (LC 13), 16=-315 (LC 12)	
Max Grav 10=1250 (LC 2), 16=1250 (LC 2)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1575/503, 3-4=-1395/528, 4-5=-1178/542, 5-6=-953/514, 6-7=-1103/516, 7-8=-973/405, 2-16=-1183/482, 8-10=-1225/458
BOT CHORD	15-16=-440/597, 14-15=-353/1330, 13-14=-173/909, 13-17=-173/909, 12-17=-173/909, 11-12=-156/778
WEBS	4-14=-600/349, 5-14=-155/508, 5-12=-268/173, 6-12=-92/311, 7-11=-448/201, 2-15=-85/909, 8-11=-218/966

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint 16 and 280 lb uplift at joint 10.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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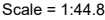
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 8-8-9 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 3-13, 5-11, 7-11
REACTIONS	(lb/size) 9=1052/0-3-8, (min. 0-1-8), 15=1106/0-5-8, (min. 0-1-8) Max Horiz 15=403 (LC 9) Max Uplift 9=-243 (LC 13), 15=-313 (LC 12) Max Grav 9=1174 (LC 2), 15=1245 (LC 2)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCFL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCFL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 15 and 243 lb uplift at joint 9.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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LUMBER

BRACING

TOP CHORD

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

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

REACTIONS All bearings 13-6-0.

(lb) - Max Horiz 19=297 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) except 11=-346 (LC 11), 12=-327 (LC 13), 13=-162 (LC 13), 14=-155 (LC 13), 16=-156 (LC 12), 17=-159 (LC 12), 18=-372 (LC 9), 19=-349 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 16, 17 except
11=359 (LC 8), 12=375 (LC 11), 15=348 (LC 13), 18=388 (LC
10), 19=427 (LC 9)

FORCES

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

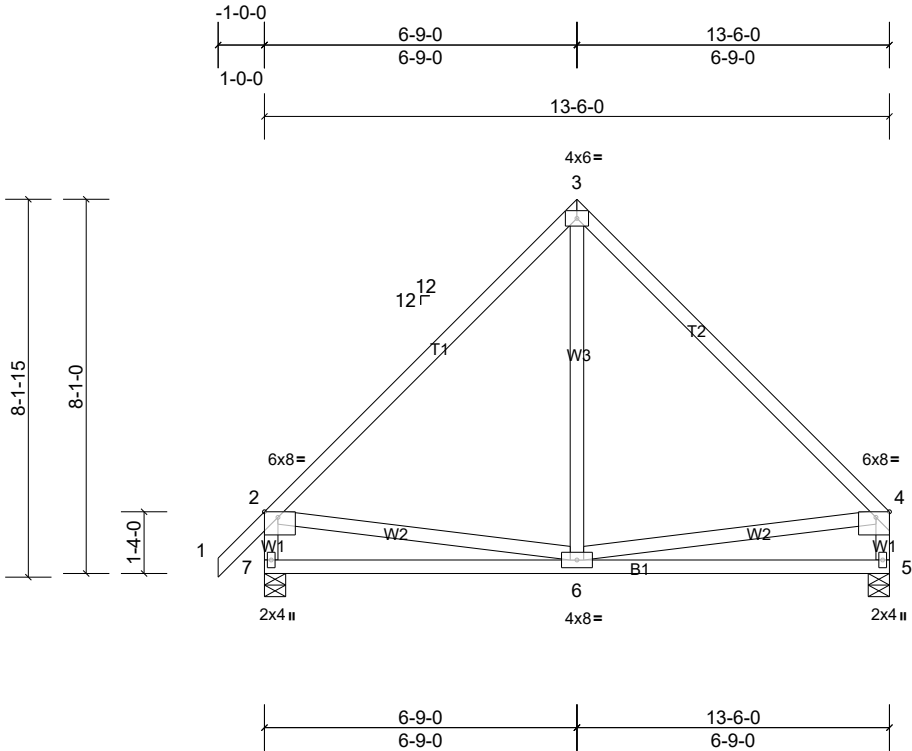
TOP CHORD 2-19=-252/227, 2-3=-276/244, 5-6=-297/375, 6-7=-297/375
WEBS 6-15=-436/276

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDD=6.0psf; BCDD=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCDD: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 349 lb uplift at joint 19, 346 lb uplift at joint 11, 156 lb uplift at joint 16, 159 lb uplift at joint 17, 371 lb uplift at joint 18, 155 lb uplift at joint 14, 161 lb uplift at joint 13 and 327 lb uplift at joint 12.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 2501947-24508	Truss C2	Truss Type Common	Qty 5	Ply 1	Daughtry Plan - Onsite Job Reference (optional)
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Scale = 1:44.8

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-8,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	0.60	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.08	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 84 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP 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 9-0-15 oc bracing.

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

REACTIONS (lb/size) 5=460/0-5-8, (min. 0-1-8), 7=522/0-5-8, (min. 0-1-8)
Max Horiz 7=297 (LC 9)
Max Uplift 5=-119 (LC 12), 7=-134 (LC 12)
Max Grav 5=525 (LC 2), 7=600 (LC 2)

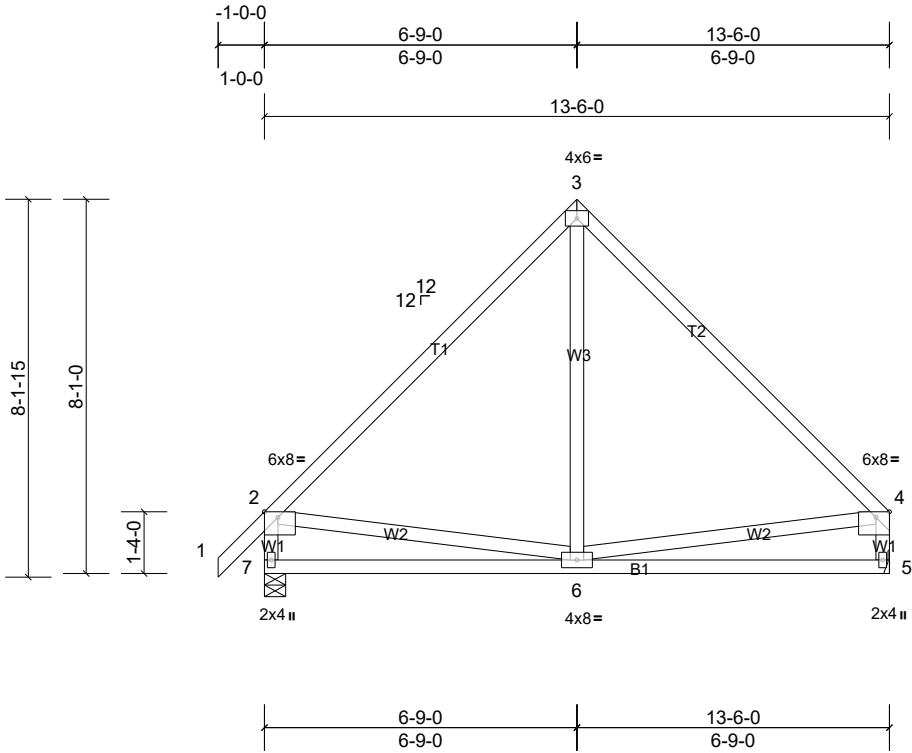
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-505/213, 3-4=-496/198, 2-7=-541/280, 4-5=-477/207
BOT CHORD 6-7=-417/477
WEBS 3-6=-6/268, 2-6=-226/423, 4-6=-154/291

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 7 and 119 lb uplift at joint 5.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 2501947-24508	Truss C3	Truss Type Common	Qty 1	Ply 1	Daughtry Plan - Onsite Job Reference (optional)
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Scale = 1:44.8

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-8,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	0.60	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.08	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 84 lb	FT = 20%

LUMBER	BRACING	
TOP CHORD	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	BOT CHORD	Rigid ceiling directly applied or 9-0-15 oc bracing.
WEBS		
REACTIONS (lb/size)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
5=460/ Mechanical, (min. 0-1-8), 7=522/0-5-8, (min. 0-1-8)		
Max Horiz 7=297 (LC 9)		
Max Uplift 5=-119 (LC 12), 7=-134 (LC 12)		
Max Grav 5=525 (LC 2), 7=600 (LC 2)		

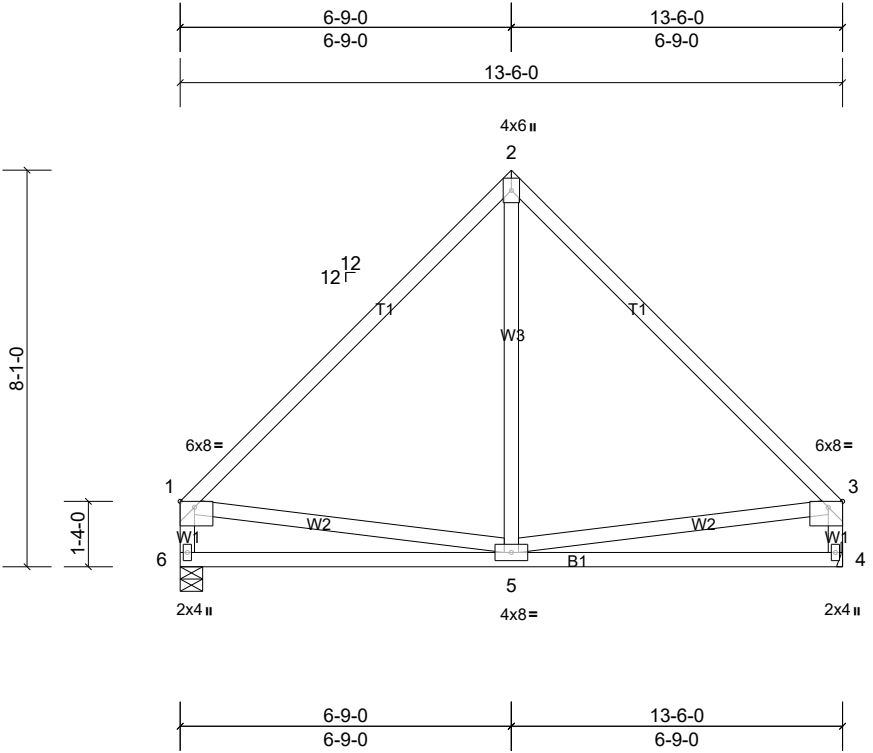
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-505/213, 3-4=-496/198, 2-7=-541/280, 4-5=-477/207
BOT CHORD	6-7=-417/477
WEBS	3-6=-6/268, 2-6=-226/423, 4-6=-154/291

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 7 and 119 lb uplift at joint 5.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 2501947-24508	Truss C4	Truss Type Common	Qty 1	Ply 1	Daughtry Plan - Onsite Job Reference (optional)
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Scale = 1:43.4

Plate Offsets (X, Y): [1:Edge,0-1-7], [3:0-3-8,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	0.55	Vert(LL)	-0.04	4-5	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.08	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 82 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10'-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=462/ Mechanical, (min. 0-1-8), 6=462/0-5-8, (min. 0-1-8)
Max Horiz 6=-272 (LC 8)
Max Uplift 4=-118 (LC 12), 6=-118 (LC 13)
Max Grav 4=528 (LC 2), 6=528 (LC 2)

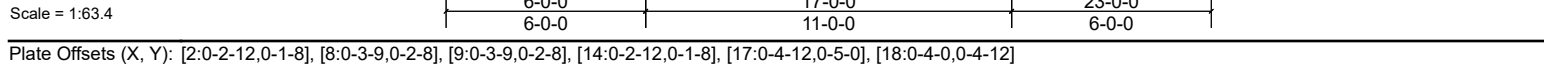
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-500/199, 2-3=-500/199, 1-6=-478/207, 3-4=-478/207
BOT CHORD 5-6=-339/401
WEBS 2-5=0/265, 1-5=-147/285, 3-5=-152/287

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06'-00 tall by 2'-00'-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 6 and 118 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.

LOAD CASE(S) Standard

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:50 Page: 1
ID: I 31aK1dMESHpFMYtIUU3zNskJ-Oy6zwQgLQTQ1DTujosXsqKS77ccrmBLRZASCSwzNo7F



LUMBER		BRACING
TOP CHORD	2x4 SP No.2 *Except* T2:2x6 SP No.2	TOP CHORD
BOT CHORD	2x6 SP DSS *Except* B2:2x12 SP DSS	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
WEBS	2x4 SP No.2 *Except* W3:2x6 SP No.2	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.2	1 Brace at Jt(s): 21, 23
REACTIONS All bearings 23-0-0.		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
(lb) - Max Horiz	19=-401 (LC 10)	
Max Uplift	All uplift 100 (lb) or less at joint(s) 16, 19 except 17=-387 (LC 13), 18=-387 (LC 12)	
Max Grav	All reactions 250 (lb) or less at joint(s) except 16=532 (LC 2), 17=774 (LC 26), 18=776 (LC 25), 19=531 (LC 2)	
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-19=-482/112, 2-3=-483/178, 3-4=-434/182, 4-5=-353/187, 6-7=-396/225, 7-8=-267/158, 9-10=-266/158, 10-11=-395/226, 11-12=-332/195, 12-13=-420/180, 13-14=-480/179, 14-16=-483/115	
BOT CHORD	18-19=-380/436, 17-18=-207/350	
WEBS	2-22=-298/424, 21-22=-299/424, 20-21=-315/439, 18-20=-297/432, 6-18=-430/367, 11-17=-383/360, 17-23=-338/468, 23-24=-319/450, 14-24=-313/445	

NOTES

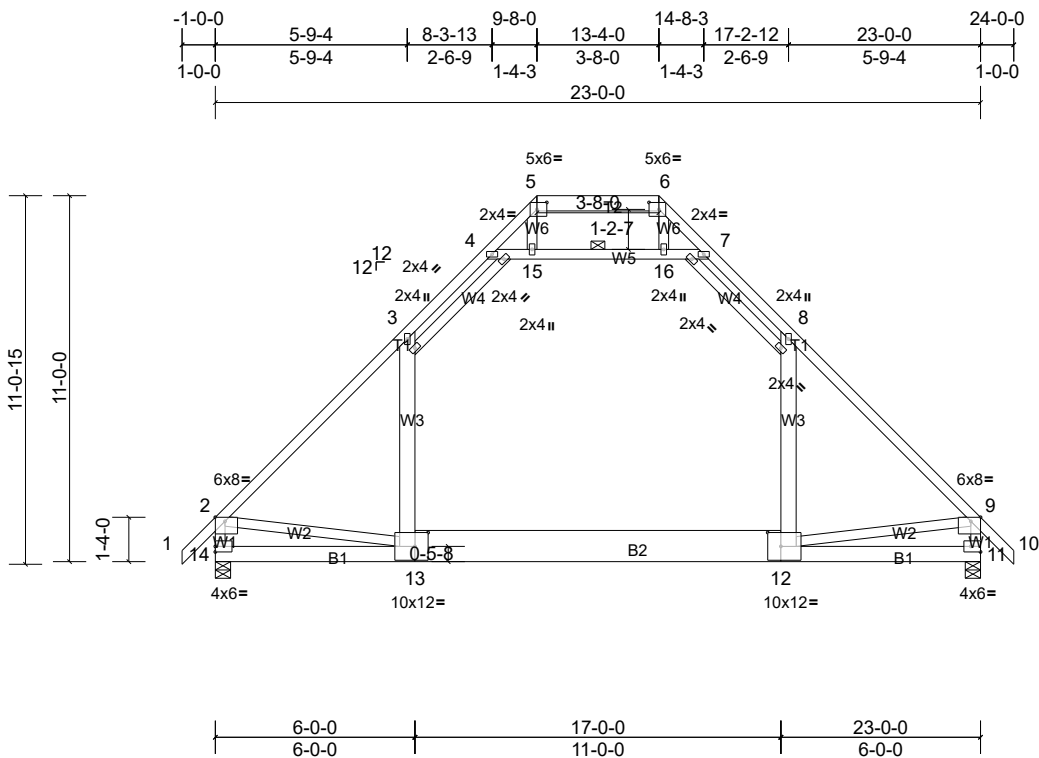
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. 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/TP1 1.
- 4) TLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
- 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 15.0 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.
- 7) All plates are 2x4 (||) MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 16 except (jt=lb) 18=386, 17=386.
- 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/TP1 1.
- 15) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D1E	Common Supported Gable	1	1	Job Reference (optional)

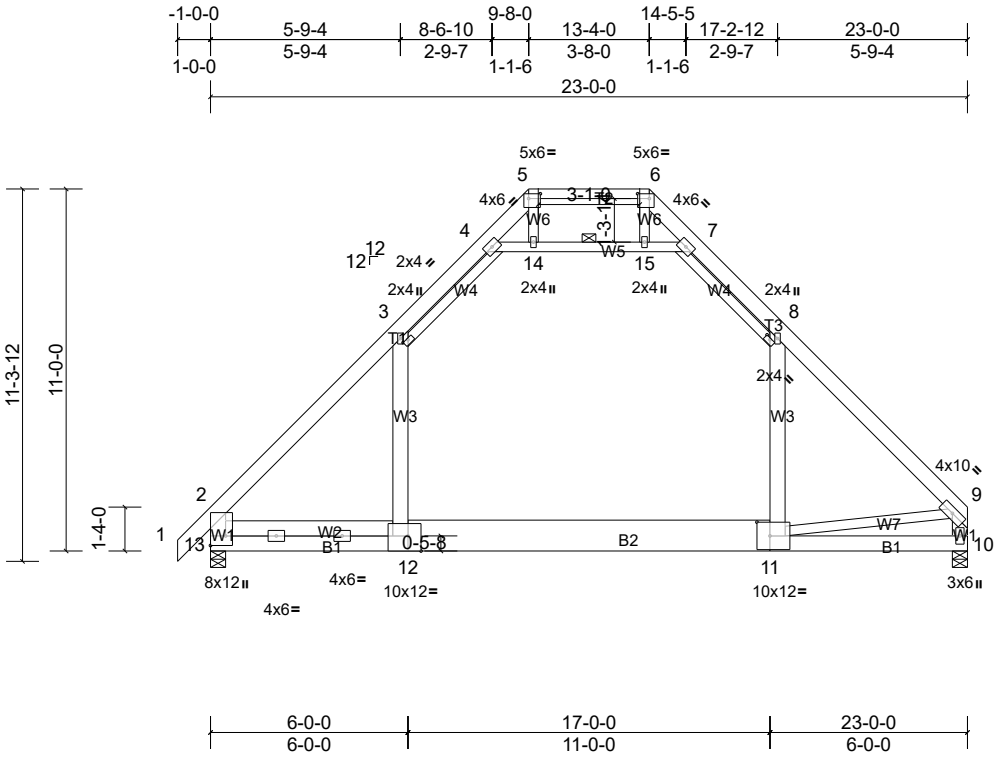
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D2	Common	5	1	Job Reference (optional)

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ID:ERVjn8JTFQuSCJWccVe_58zNtkr-Oy6zwQqLQTQ1DTujosXsqKS0YcYgmBWRZASCswzNo7F



Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D3	Common	8	1	Job Reference (optional)



Scale = 1:64.1

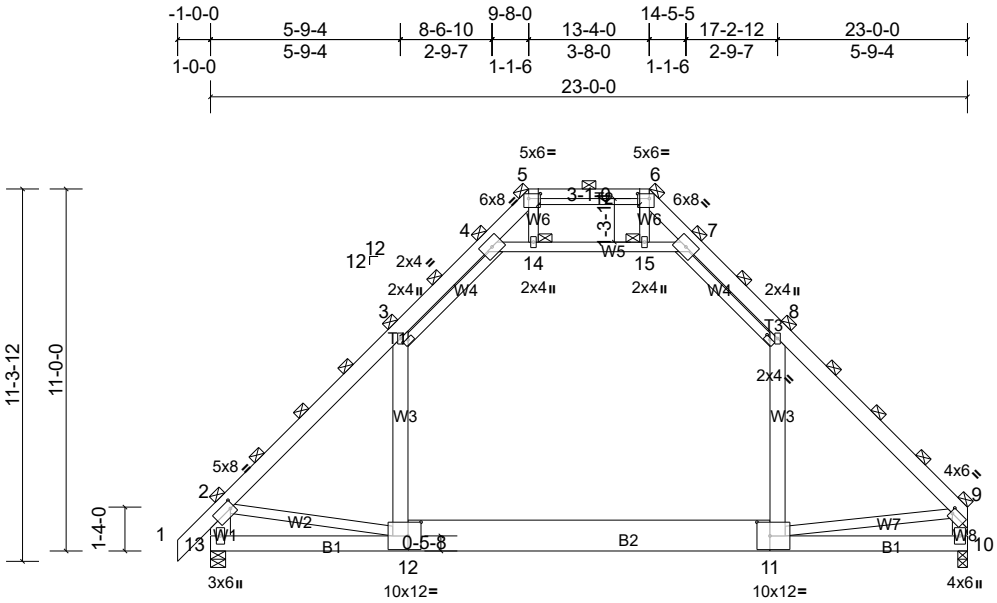
Plate Offsets (X, Y): [3:0-2-0,0-0-8], [5:0-4-4,0-1-12], [6:0-4-4,0-1-12], [11:0-4-12,0-5-0], [12:0-4-12,Edge], [13:Edge,0-5-8], [16:0-2-0,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.19	11-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.30	11-12	>913	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.16	12-13	>866	360		
BCDL	10.0										Weight: 232 lb	FT = 20%

LUMBER	BRACING
TOP CHORD	TOP CHORD
BOT CHORD	BOT CHORD
WEBS	WEBS
REACTIONS	
FORCES	
NOTES	

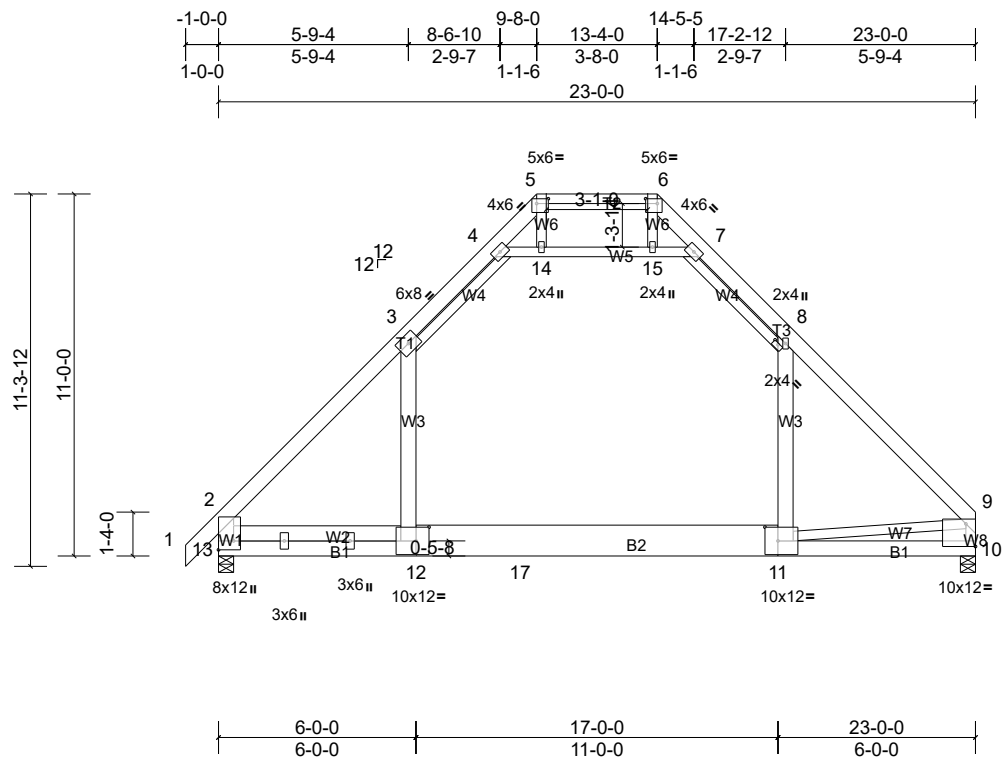
TOP CHORD	2x6 SP DSS *Except* T2:2x4 SP No.2
BOT CHORD	2x6 SP DSS *Except* B2:2x12 SP DSS
WEBS	2x4 SP No.2 *Except* W3,W1,W2:2x6 SP No.2
REACTIONS	(lb/size) 10=996/0-5-8, (min. 0-1-8), 13=1188/0-5-8, (min. 0-1-13) Max Horiz 13=392 (LC 9) Max Uplift 10=-56 (LC 13), 13=-20 (LC 12) Max Grav 10=1352 (LC 3), 13=1802 (LC 3)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1709/155, 3-4=-944/288, 4-5=-126/259, 5-6=-89/468, 7-8=-966/284, 8-9=-1553/143, 2-13=-1440/241, 9-10=-1349/162 BOT CHORD 12-13=-18/1007, 11-12=-8/1028, 10-11=-232/365 WEBS 3-12=-83/748, 8-11=0/675, 4-14=-1406/464, 14-15=-1395/466, 7-15=-1401/463, 9-11=-145/840
NOTES	1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads. 5) Provide adequate drainage to prevent water ponding. 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 8) Ceiling dead load (10.0 psf) on member(s). 2-3, 3-4, 7-8, 4-14, 14-15, 7-15 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13, 11-12 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 13 and 56 lb uplift at joint 10. 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 12) Attic room checked for L/360 deflection.
LOAD CASE(S)	Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D3A	Common	2	1	Job Reference (optional)



Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D4G	Common	1	2	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:51 Page: 1
ID:ERVjn8JTFQuSCjWccVe_58zNtkr-s8fL7mrzBnYuqdTvLZ25NX?Da0rJV6boqBIOMzNo7E



Scale = 1:64.1

Plate Offsets (X, Y): [5:0-4-4,0-1-12], [6:0-4-4,0-1-12], [10:Edge,0-8-4], [11:0-4-12,0-5-0], [12:0-4-12,0-5-0], [13:Edge,0-5-8], [16:0-2-0,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI	0.68	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	0.20 11-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.38 11-12	>716	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.02 10	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.08 12-13	>845	360		
BCDL	10.0									Weight: 464 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP DSS *Except* T2:2x4 SP No.2
BOT CHORD 2x6 SP DSS *Except* B2:2x12 SP DSS
WEBS 2x4 SP No.2 *Except* W3,W1,W2:2x6 SP 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 10'-0-0 oc bracing.

REACTIONS (lb/size) 10=2355/0-5-8, (min. 0-1-9), 13=2221/0-5-8, (min. 0-1-11)
Max Horiz 13=391 (LC 7)
Max Uplift 13=-135 (LC 10)
Max Grav 10=3051 (LC 24), 13=3382 (LC 23)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3660/0, 3-4=-1775/64, 4-5=-80/951, 5-6=0/1479, 6-7=0/850, 7-8=-1818/105, 8-9=-3396/0, 2-13=-3029/0, 9-10=-2896/0
BOT CHORD 12-13=0/2176, 12-17=0/2291, 11-17=0/2245, 10-11=0/650
WEBS 3-12=-3/2365, 8-11=0/2022, 4-14=-3658/119, 14-15=-3649/124, 7-15=-3662/123, 9-11=-322/1704

- NOTES**
- 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x12 - 2 rows staggered at 0-7-0 oc.
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2'-00"-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (10.0 psf) on member(s). 2-3, 3-4, 7-8, 4-14, 14-15, 7-15
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13, 11-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 13.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1953 lb down and 875 lb up at 9'-0-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D4G	Common	1	2	Job Reference (optional)

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

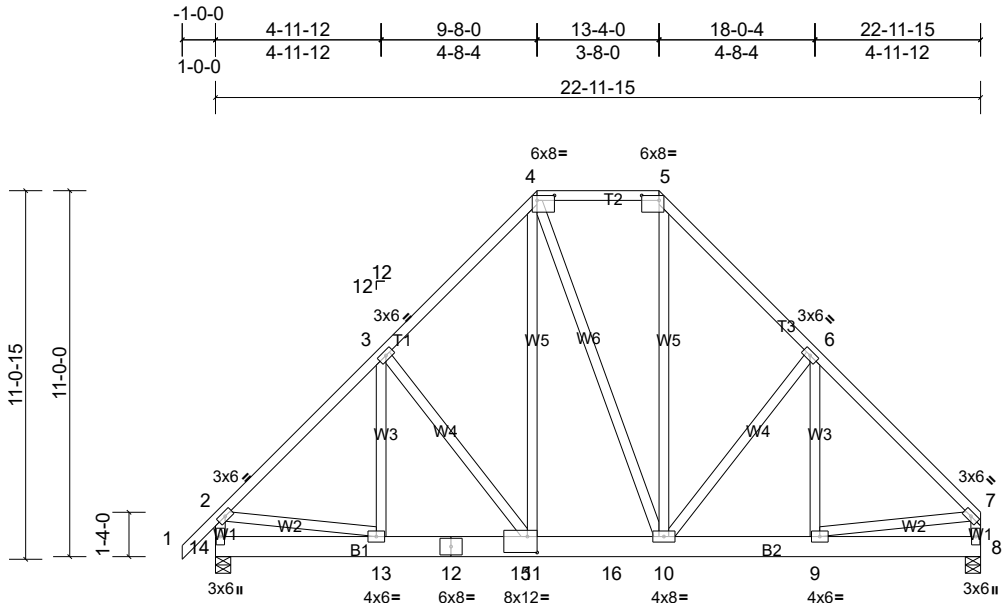
Vert: 1-2=-50, 2-4=-70, 4-5=-50, 5-6=-60, 6-7=-50, 7-8=-70, 8-9=-50, 13-17=-30, 11-17=-130 (F=-100), 10-11=-120 (F=-100), 4-14=-20, 14-15=-20, 7-15=-20

Concentrated Loads (lb)

Vert: 17=-1017 (F)

Job 2501947-24508	Truss D5G	Truss Type Common Girder	Qty 1	Ply 2	Daughtry Plan - Onsite Job Reference (optional)
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Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:51 Page: 1
ID:KUtiyYuZuIlWYsGaXTlHk_zNsMJ-s8fL7mrzBnYuqdTvLZ25NX?JC0yeVdtboqBIOMzNo7E



Scale = 1:63.4

Plate Offsets (X, Y): [4:0-6-4,0-1-12], [5:0-6-4,0-1-12], [11:0-3-8,0-5-12]

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)	0.04	11-13	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.07	11-13	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 436 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x8 SP DSS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2 *Except* W1:2x4 SP No.3		
REACTIONS	(lb/size) 8=2207/0-5-8, (min. 0-1-8), 14=1952/0-5-8, (min. 0-1-8)		
	Max Horiz 14=387 (LC 9)		
	Max Uplift 14=-363 (LC 10)		
	Max Grav 8=2607 (LC 23), 14=2579 (LC 22)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-2861/417, 3-4=-2784/467, 4-5=-1669/202, 5-6=-2468/170, 6-7=-2684/0, 2-14=-2511/395, 7-8=-2284/0		
BOT CHORD	13-14=-415/500, 12-13=-383/2164, 12-15=-383/2164, 11-15=-383/2164, 11-16=-237/1989, 10-16=-237/1989, 9-10=0/1872		
WEBS	3-11=-230/380, 4-11=-842/2416, 4-10=-734/751, 5-10=-52/1570, 6-10=-453/152, 6-9=0/541, 2-13=-163/1863, 7-9=0/1711		

- NOTES**
- 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 363 lb uplift at joint 14.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2145 lb down and 937 lb up at 9-0-8 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)	Standard
1) Dead + Snow (balanced):	Lumber Increase=1.15, Plate Increase=1.15

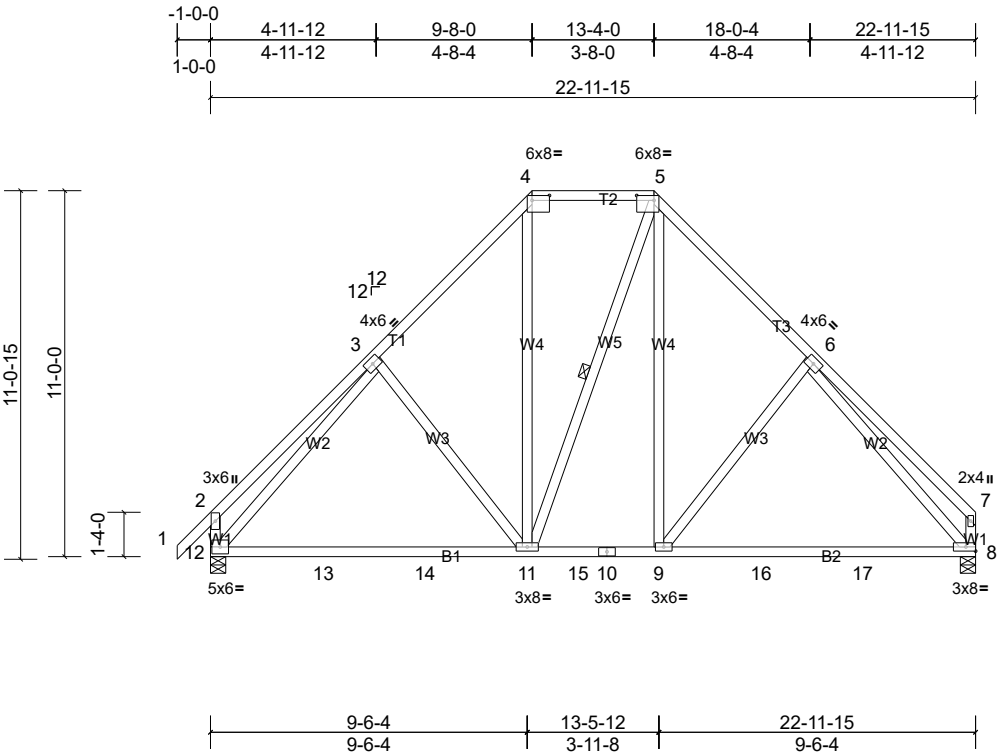
Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D5G	Common Girder	1	2	Job Reference (optional)

Uniform Loads (lb/ft)
Vert: 1-2=-50, 2-4=-50, 4-5=-60, 5-7=-50, 14-15=-20, 8-15=-120 (F=-100)

Concentrated Loads (lb)
Vert: 15=-1107 (B)

Job 2501947-24508	Truss D6	Truss Type Common	Qty 1	Ply 1	Daughtry Plan - Onsite Job Reference (optional)
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Scale = 1:63.4

Plate Offsets (X, Y): [4:0-6-4,0-1-12], [5:0-6-4,0-1-12]

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	0.38	Vert(LL)	-0.22	11-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.44	8-9	>623	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.02	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 176 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 8=812/0-5-8, (min. 0-1-8), 12=872/0-5-8, (min. 0-1-8)
Max Horiz 12=395 (LC 9)
Max Uplift 8=-173 (LC 13), 12=-209 (LC 12)
Max Grav 8=924 (LC 3), 12=979 (LC 3)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-430/293, 3-4=-868/457, 4-5=-663/411, 5-6=-870/459, 6-7=-396/209, 2-12=-456/341, 7-8=-371/203
BOT CHORD 12-13=-270/764, 13-14=-270/764, 11-14=-270/764, 11-15=-92/569, 10-15=-92/569, 9-10=-92/569, 9-16=-97/595, 16-17=-97/595, 8-17=-97/595
WEBS 3-11=-335/350, 4-11=-160/396, 5-9=-191/429, 6-9=-341/353, 3-12=-699/115, 6-8=-718/176

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 12 and 173 lb uplift at joint 8.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

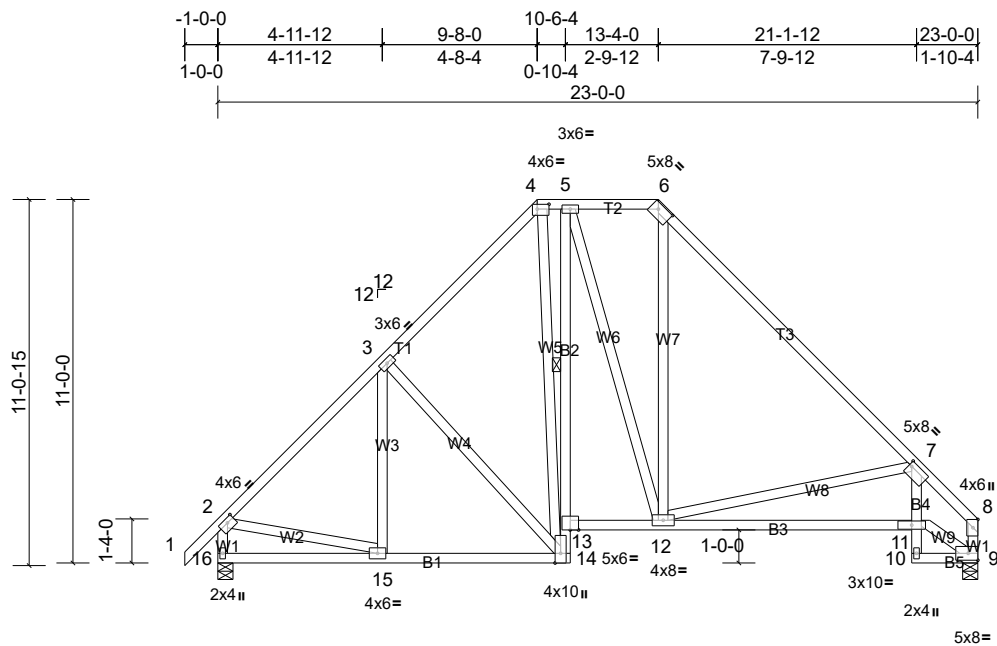
LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-11
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	Daughtry Plan - Onsite
2501947-24508	D7	Common	3	1	Job Reference (optional)

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Scale = 1:63.4

Plate Offsets (X, Y): [2:0-2-12,0-1-8], [4:0-4-4,0-1-12], [6:0-5-4,0-2-0], [7:0-1-0,0-1-12]

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)	-0.12	11-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.27	11-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.20	9	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 190 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T3:2x4 SP DSS
BOT CHORD 2x4 SP No.2 *Except* B4:2x4 SP No.1
WEBS 2x4 SP No.2

REACTIONS (lb/size) 9=812/0-5-8, (min. 0-1-8), 16=872/0-5-8, (min. 0-1-8)
Max Horiz 16=395 (LC 11)
Max Uplift 9=-173 (LC 13), 16=-209 (LC 12)
Max Grav 9=907 (LC 2), 16=979 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-945/350, 3-4=-820/443, 4-5=-650/407, 5-6=-705/414, 6-7=-953/375, 7-8=-913/274, 2-16=-927/382, 8-9=-797/190
BOT CHORD 15-16=-409/430, 14-15=-246/705, 13-14=-198/263, 12-13=-152/532, 11-12=-409/1014, 9-10=-209/409
WEBS 3-14=-389/303, 5-12=-137/268, 6-12=-77/279, 7-12=-758/589, 2-15=-31/530

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 16 and 173 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-5 oc bracing. Except:
1 Row at midpt 5-13
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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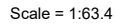


Plate Offsets (X, Y): [2:0-2-12,0-1-8], [4:0-4-4,0-1-12], [6:0-5-4,0-2-0], [7:0-1-4,0-1-12], [8:0-4-15,Edge]

LUMBER

BRACING

BOT CHORD 1 Row at midpt	Rigid ceiling directly applied or 9-4-14 oc bracing. Except: 5-14
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FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-943/352, 3-4=-821/441, 4-5=-650/407, 5-6=-708/405, 6-7=-950/363, 7-8=-954/264, 2-17=-926/383, 8-10=-913/252

BOT CHORD 16-17=-388/504, 15-16=-231/723, 14-15=-189/265, 13-14=-136/550, 12-13=-332/1069, 10-11=-167/393

WEBS 3-15=-388/406, 5-16=-126/263, 6-13=-772/278, 7-13=-772/569, 2-16=-27/530

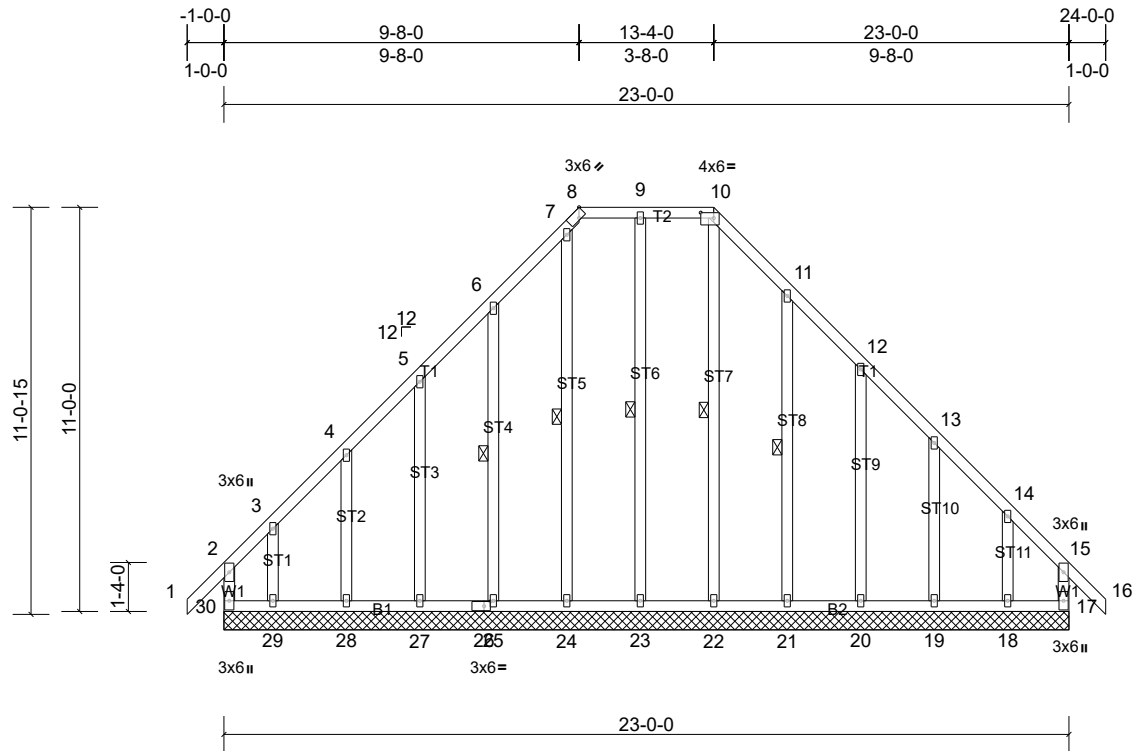
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 17 and 209 lb uplift at joint 10.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D9E	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:53 Page: 1
ID:YuFjuDUqEBazDIhZGR7ypKzNqYd-oXn5YSsEI0oc4xclT_5ZSy4gwpbrzaAtF8gsTFzNo7C



Scale = 1:57

Plate Offsets (X, Y): [8:0-2-8,Edge], [10:0-4-4,0-1-12], [26:0-2-0,0-1-8]

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	0.24	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	17	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MR							
BCDL	10.0										
Weight: 197 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.2

REACTIONS

All bearings 23-0-0.
(lb) - Max Horiz 30=-408 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 23, 24 except 17=-234 (LC 9), 18=-299 (LC 13), 19=-132 (LC 13), 20=-170 (LC 13), 21=-157 (LC 13), 25=-191 (LC 12), 27=-160 (LC 12), 28=-137 (LC 12), 29=-340 (LC 12), 30=-363 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 19, 20, 21, 23, 25, 27, 28 except 17=281 (LC 24), 18=306 (LC 11), 22=256 (LC 12), 24=260 (LC 13), 29=380 (LC 10), 30=396 (LC 11)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=-276/270, 2-3=-328/333, 4-5=-176/285, 5-6=-284/399, 6-7=-421/563, 7-8=-286/373, 8-9=-329/443, 9-10=-330/443,
10-11=-424/563, 11-12=-309/429, 12-13=-191/287
WEBS 10-22=-274/165

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 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.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 24 except (jt=lb) 30=363, 17=233, 25=190, 27=159, 28=136, 29=340, 21=156, 20=169, 19=132, 18=298.

BRACING

TOP CHORD
BOT CHORD
WEBS

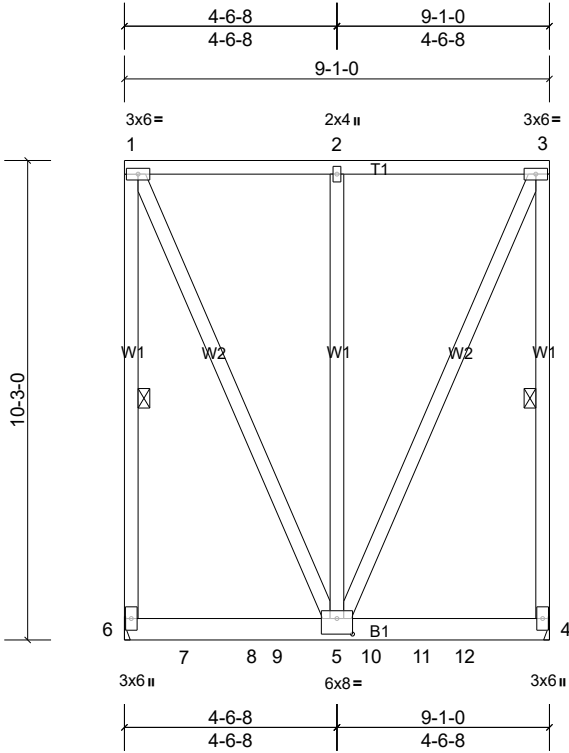
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 10-22, 9-23, 7-24, 6-25, 11-21
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	D9E	Common Supported Gable	1	1	Job Reference (optional)

14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	FT1	Flat Girder	1	2	Job Reference (optional)



Scale = 1:40.8

Plate Offsets (X, Y): [5:0-4-0,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	0.03	5-6	>999	240	MT20
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.04	5-6	>999	180	244/190
TCDL	10.0	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.00	4	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS							
BCDL	10.0										Weight: 216 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP 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 10'-0-0 oc bracing.
WEBS 1 Row at midpt 1-6, 3-4

REACTIONS (lb/size) 4=1037/ Mechanical, (min. 0-1-8), 6=1127/ Mechanical, (min. 0-1-8)
Max Horiz 6=-476 (LC 8)
Max Uplift 4=-863 (LC 9), 6=-925 (LC 8)
Max Grav 4=1973 (LC 25), 6=2170 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1446/718, 1-2=-587/201, 2-3=-587/201, 3-4=-1447/719
BOT CHORD 6-7=-409/371, 7-8=-409/371, 8-9=-409/371, 5-9=-409/371
WEBS 1-5=-725/1533, 2-5=-308/210, 3-5=-726/1535

NOTES

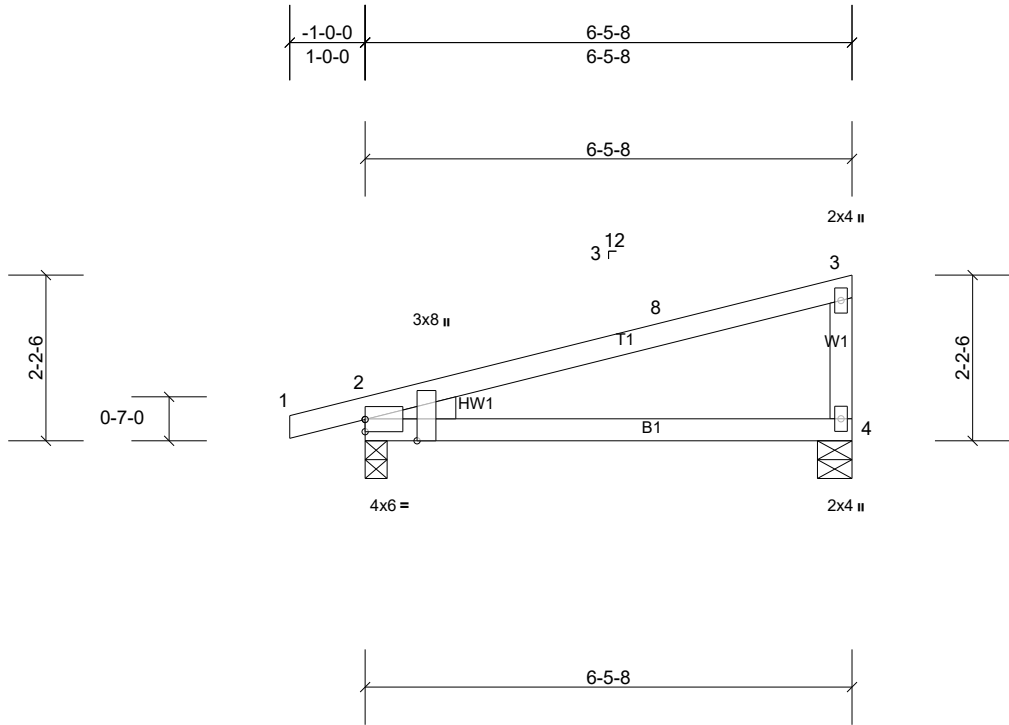
- 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00 tall by 2'-00"-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 925 lb uplift at joint 6 and 863 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.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 804 lb down and 253 lb up at 1-3-4, 804 lb down and 253 lb up at 3-3-4, and 804 lb down and 253 lb up at 5-3-4, and 804 lb down and 253 lb up at 7-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	FT1	Flat Girder	1	2	Job Reference (optional)

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (lb/ft)
- Vert: 1-3=-60, 4-6=-20
- Concentrated Loads (lb)
- Vert: 7=-365 (B), 9=-365 (B), 10=-365 (B), 12=-365 (B)

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	M1	Monopitch	14	1	Job Reference (optional)



Scale = 1:23.2

Plate Offsets (X, Y): [2:Edge,0-1-15], [2:0-3-6,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	0.57	Vert(LL)	0.11	4-7	>700	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.16	4-7	>459	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 25 lb	FT = 20%

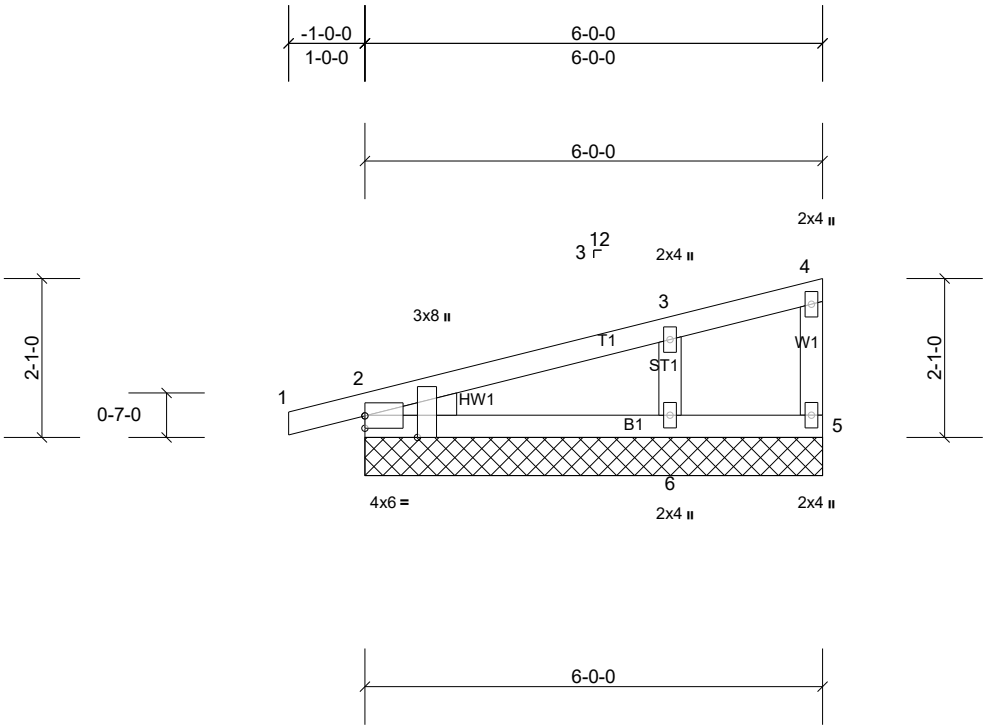
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		
WEDGE	Left: 2x4 SP No.2		
REACTIONS	(lb/size) 2=275/0-3-8, (min. 0-1-8), 4=217/0-5-8, (min. 0-1-8) Max Horiz 2=102 (LC 13) Max Uplift 2=-141 (LC 10), 4=-91 (LC 14) Max Grav 2=317 (LC 2), 4=248 (LC 2)		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
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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 15.0 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 4 and 141 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	M1GE	Monopitch Supported Gable	1	1	Job Reference (optional)



Scale = 1:22.9

Plate Offsets (X, Y): [2:Edge,0-1-15], [2:0-3-6,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	0.24	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
										Weight: 25 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.2
WEDGE	Left: 2x4 SP 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 10'-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

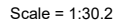
REACTIONS All bearings 6'-0-0.
(lb) - Max Horiz 2=96 (LC 13), 7=96 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 7
Max Grav All reactions 250 (lb) or less at joint(s) 2, 5, 7 except 6=322 (LC 2)

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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 15.0 psf on overhangs non-concurrent with other live loads.
 - 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 2'-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 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.

LOAD CASE(S) Standard

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:54 Page: 1
ID:4ihLguTCUtS6c86NikcjG7zNqYe-GjLULotsTiwTh5BU1ico?AdpQDvdixb1UoQP?hzNo7B

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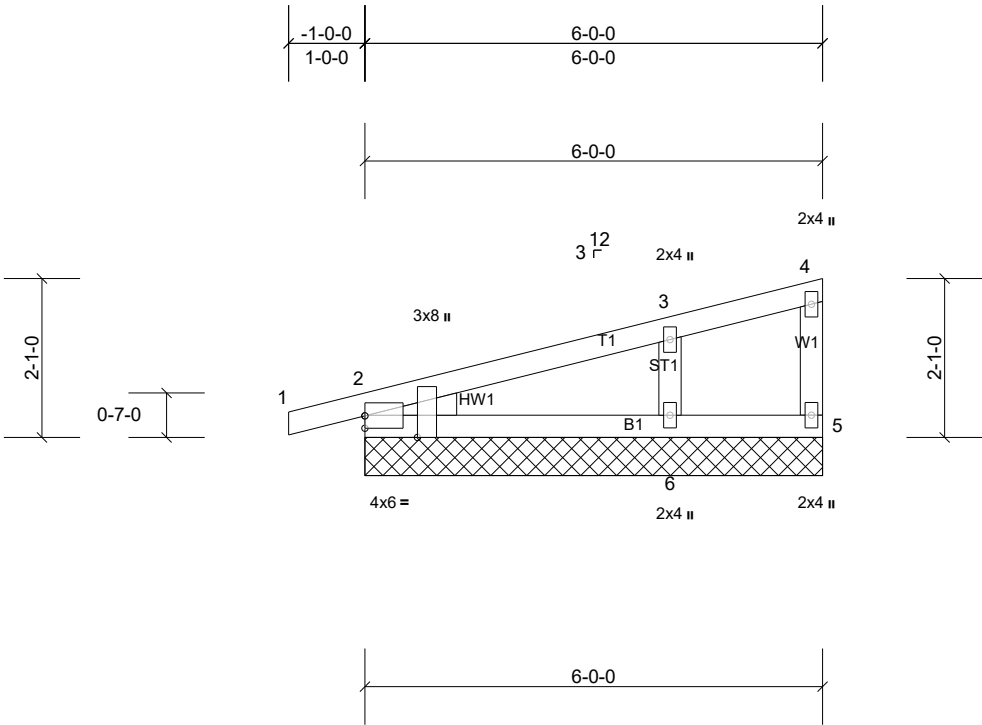
Structural wood sheathing directly applied or 5-9-15 oc purlins, except end verticals.
Rigid ceiling directly applied or 9-2-3 oc bracing.

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCCL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCCL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 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 15.0 psf on overhangs non-concurrent with other live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 2 and 165 lb uplift at joint 5.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	M2GE	Monopitch Supported Gable	1	1	Job Reference (optional)



Scale = 1:22.9

Plate Offsets (X, Y): [2:Edge,0-1-15], [2:0-3-6,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	0.24	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
										Weight: 25 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.2
WEDGE Left: 2x4 SP 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 10'-0-0 oc bracing.

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

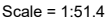
REACTIONS All bearings 6'-0-0.
(lb) - Max Horiz 2=96 (LC 13), 7=96 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 7
Max Grav All reactions 250 (lb) or less at joint(s) 2, 5, 7 except 6=322 (LC 2)

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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 15.0 psf on overhangs non-concurrent with other live loads.
 - 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 2'-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 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.

LOAD CASE(S) Standard

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Apr 23 16:33:54 Page: 1
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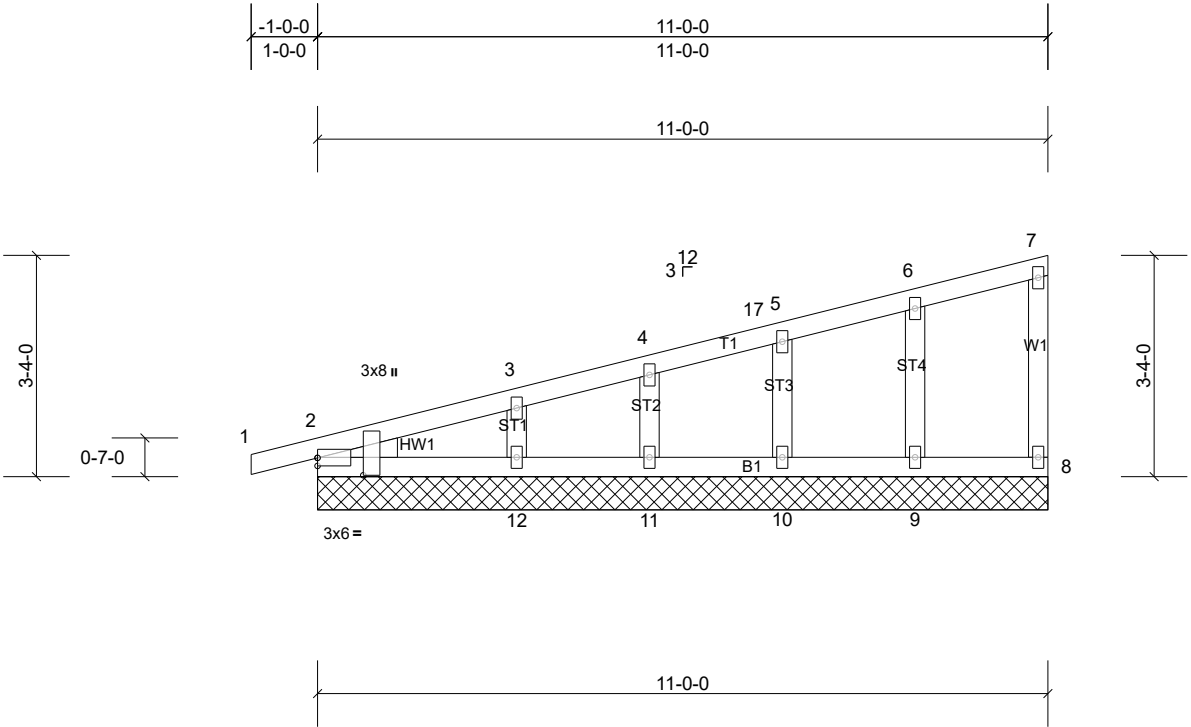
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-0-5 oc purlins, except end verticals. Rigid ceiling directly applied or 7-2-13 oc bracing.
BOT CHORD	2x4 SP DSS *Except* B2:2x6 SP No.2	BOT CHORD	
WEBS	2x4 SP No.2 *Except* W4:2x6 SP No.2		
REACTIONS	(lb/size) 6=385/ Mechanical, (min. 0-1-8), 8=463/0-5-8, (min. 0-1-8) Max Horiz 8=508 (LC 9) Max Uplift 6=-241 (LC 9) Max Grav 6=824 (LC 25), 8=795 (LC 26)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-990/780, 3-4=-444/322, 4-5=-613/697, 6-9=-516/441, 5-9=-506/447, 2-8=-814/735		
BOT CHORD	7-8=-283/300, 6-7=-283/300		
WEBS	3-7=-857/712, 4-9=-487/423		

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- All plates are MT20 plates 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 2-00-00 wide will fit between the bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 3-4, 4-9; Wall dead load (10.0psf) on member(s). 3-7
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 6-7
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 241 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.
- ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	M3GE	Monopitch Supported Gable	1	1	Job Reference (optional)



Scale = 1:29.9

Plate Offsets (X, Y): [2:Edge,0-1-7], [2:0-3-2,0-8-4]

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	8	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS							
BCDL	10.0										
										Weight: 50 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.2
WEDGE Left: 2x4 SP 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 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

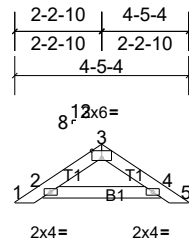
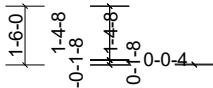
REACTIONS All bearings 11-0-0.
(lb) - Max Horiz 2=164 (LC 13), 13=164 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 9, 10, 11, 13 except 12=-101 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 8, 9, 10, 11, 12, 13

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum 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 15.0 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 9, 10, 11, 2 except (jt=lb) 12=100.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

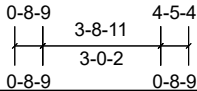
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	PB1	Piggyback	5	1	Job Reference (optional)



Scale = 1:55.3

Plate Offsets (X, Y): [3:0-3-0,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	0.05	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	10	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
										Weight: 12 lb	FT = 20%

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

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-6-0 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.

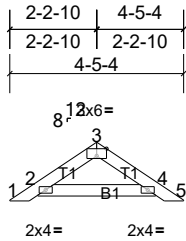
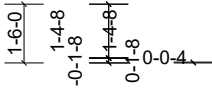
REACTIONS All bearings 3-0-2.
(lb) - Max Horiz 2=43 (LC 11), 6=43 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 10

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 2, 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	PB1GE	Piggyback	1	1	Job Reference (optional)



Scale = 1:55.3

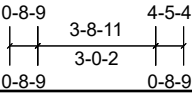


Plate Offsets (X, Y): [3:0-3-0,Edge]

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	9	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 12 lb	FT = 20%

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

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-6-0 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.

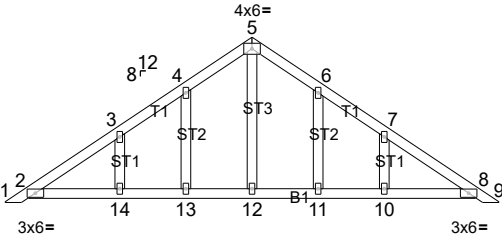
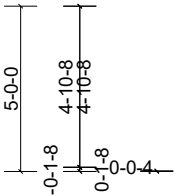
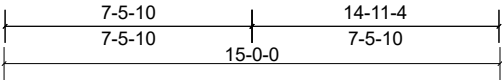
REACTIONS All bearings 3-0-2.
(lb) - Max Horiz 2=43 (LC 11), 6=43 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 9
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 9

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

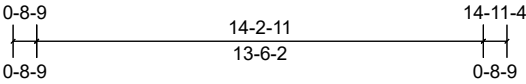
- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 2, 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	PB2	Piggyback	17	1	Job Reference (optional)



Scale = 1:66.1



Loading	(psf)	Spacing	2-0-0	CSI	0.11	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	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 67 lb	FT = 20%

LUMBER

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

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 15-0-0.
(lb) - Max Horiz 1=-159 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 9, 11, 13, 18 except 1=-162 (LC 10), 2=-103 (LC 12), 10=-129 (LC 13), 14=-128 (LC 12), 15=-103 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 8, 9, 10, 11, 12, 13, 14, 18 except 2=293 (LC 24), 15=293 (LC 24)

FORCES

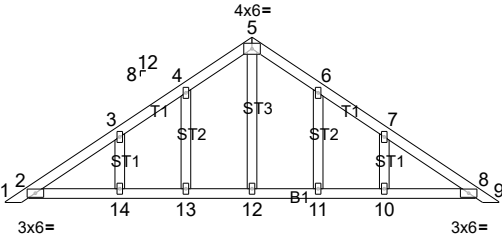
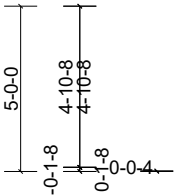
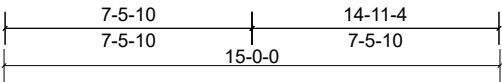
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

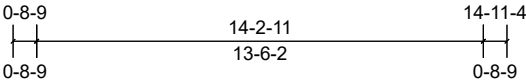
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 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 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 8, 13, 11, 8 except (jt=lb) 1=161, 2=103, 14=127, 10=128, 2=103.
- 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	PB2E	Piggyback	1	1	Job Reference (optional)



Scale = 1:66.1



Loading	(psf)	Spacing	2-0-0	CSI	0.11	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	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 67 lb	FT = 20%

LUMBER

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

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 15-0-0.
(lb) - Max Horiz 1=-159 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 9, 11, 13, 18 except 1=-162 (LC 10), 2=-103 (LC 12), 10=-129 (LC 13), 14=-128 (LC 12), 15=-103 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 8, 9, 10, 11, 12, 13, 14, 18 except 2=293 (LC 24), 15=293 (LC 24)

FORCES

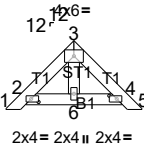
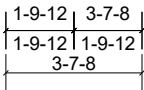
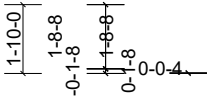
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 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 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 8, 13, 11, 8 except (jt=lb) 1=161, 2=103, 14=127, 10=128, 2=103.
- 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	PB2GE	Piggyback	1	1	Job Reference (optional)



Scale = 1:57.9

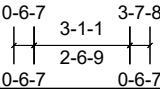


Plate Offsets (X, Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI	0.02	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							Weight: 13 lb	FT = 20%
BCDL	10.0											

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

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 3-8-0 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.

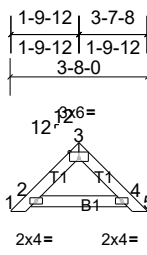
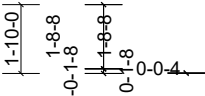
REACTIONS All bearings 2-6-9.
(lb) - Max Horiz 2=-53 (LC 10), 7=-53 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6, 2, 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	PB3	Piggyback	25	1	Job Reference (optional)



Scale = 1:57.9

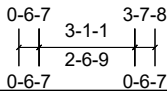


Plate Offsets (X, Y): [3:0-3-0,Edge]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	5	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
										Weight: 11 lb	FT = 20%

LUMBER		BRACING
TOP CHORD	2x4 SP No.2	TOP CHORD
BOT CHORD	2x4 SP No.2	BOT CHORD

REACTIONS All bearings 3-8-0.
(lb) - Max Horiz 1=-53 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 2, 5, 6
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 2=251 (LC 24), 6=251 (LC 24)

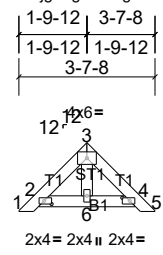
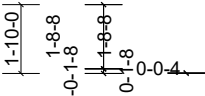
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 2, 6.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Structural wood sheathing directly applied or 3-8-0 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.

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	PB3GE	Piggyback	1	1	Job Reference (optional)



Scale = 1:57.9

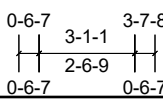


Plate Offsets (X, Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI	0.02	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							Weight: 13 lb	FT = 20%
BCDL	10.0											

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

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 3-8-0 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.

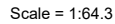
REACTIONS All bearings 2-6-9.
(lb) - Max Horiz 2=-53 (LC 10), 7=-53 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6, 2, 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.

LOAD CASE(S) Standard

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<p>LUMBER</p> <p>TOP CHORD 2x4 SP No.2</p> <p>BOT CHORD 2x4 SP No.2</p> <p>WEBS 2x4 SP No.2</p> <p>OTHERS 2x4 SP No.2</p> <p>REACTIONS All bearings 20-10-0.</p> <p>(lb) - Max Horiz 23=410 (LC 9)</p> <p>Max Uplift All uplift 100 (lb) or less at joint(s) 15, 17, 18, 21 except 13=-396 (LC 9), 14=-701 (LC 11), 16=-262 (LC 11), 19=-260 (LC 10), 22=-704 (LC 10), 23=-408 (LC 8)</p> <p>Max Grav All reactions 250 (lb) or less at joint(s) 15, 16, 19, 21 except 13=800 (LC 11), 14=441 (LC 9), 17=513 (LC 22), 18=519 (LC 21), 22=449 (LC 8), 23=804 (LC 10)</p> <p>FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.</p> <p>TOP CHORD 1-23=-519/252, 1-2=-594/297, 2-3=-299/159, 3-4=-257/111, 9-10=-252/105, 10-11=-297/153, 11-12=-591/289, 12-13=-516/244</p> <p>BOT CHORD 22-23=-198/291, 21-22=-198/291, 20-21=-198/291, 19-20=-198/291, 18-19=-198/291, 18-28=-198/291, 17-28=-198/291, 16-17=-198/291, 15-16=-198/291, 14-15=-198/291, 13-14=-198/291</p> <p>WEBS 5-18=-257/80, 8-17=-251/77, 2-22=-235/409, 9-16=-118/250, 11-14=-232/408</p>		<p>BRACING</p> <p>TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.</p> <p>BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 6-7.</p> <p>WEBS 1 Row at midpt 5-18, 8-17</p>	<div style="border: 1px solid black; padding: 5px;"> <p>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</p> </div>
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- ### NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 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.
 - 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 2x4 (||) MT20 unless otherwise indicated.
 - 7) Gable requires continuous bottom chord bearing.
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 17, 21, 15 except (jt=lb) 23=407, 13=395, 19=260, 22=703, 16=261, 14=700.
 - 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

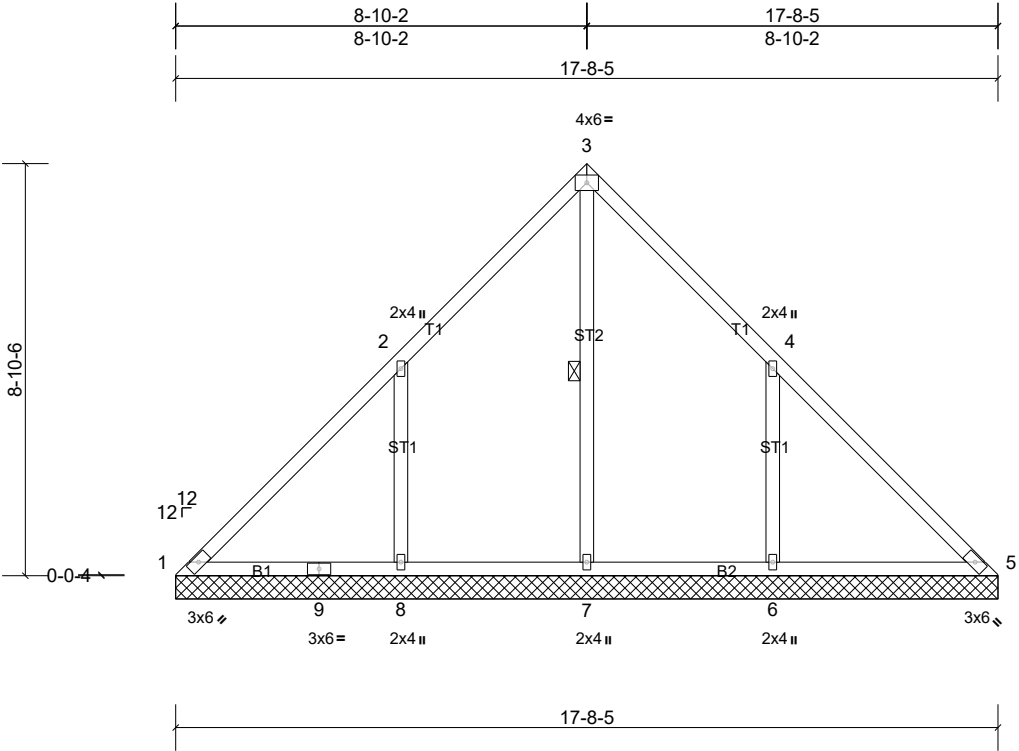
Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V1	Valley	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V2	Valley	1	1	Job Reference (optional)

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Scale = 1:45.8

Loading	(psf)	Spacing	2-0-0	CSI	0.33	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 87 lb	FT = 20%

LUMBER

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

REACTIONS

All bearings 17-8-5.
(lb) - Max Horiz 1=-285 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-399 (LC 13),
8=-405 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=568 (LC 24), 7=516 (LC 23), 8=574 (LC 23)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-307/323, 4-5=-247/295
BOT CHORD 1-9=-274/285, 8-9=-274/285, 7-8=-274/285, 6-7=-274/285, 5-6=-274/285
WEBS 3-7=-338/0, 2-8=-476/422, 4-6=-476/420

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=404, 6=399.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

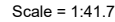
LOAD CASE(S) Standard

BRACING

TOP CHORD
BOT CHORD
WEBS

Structural wood sheathing directly applied or 10-0-0 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 3-7
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

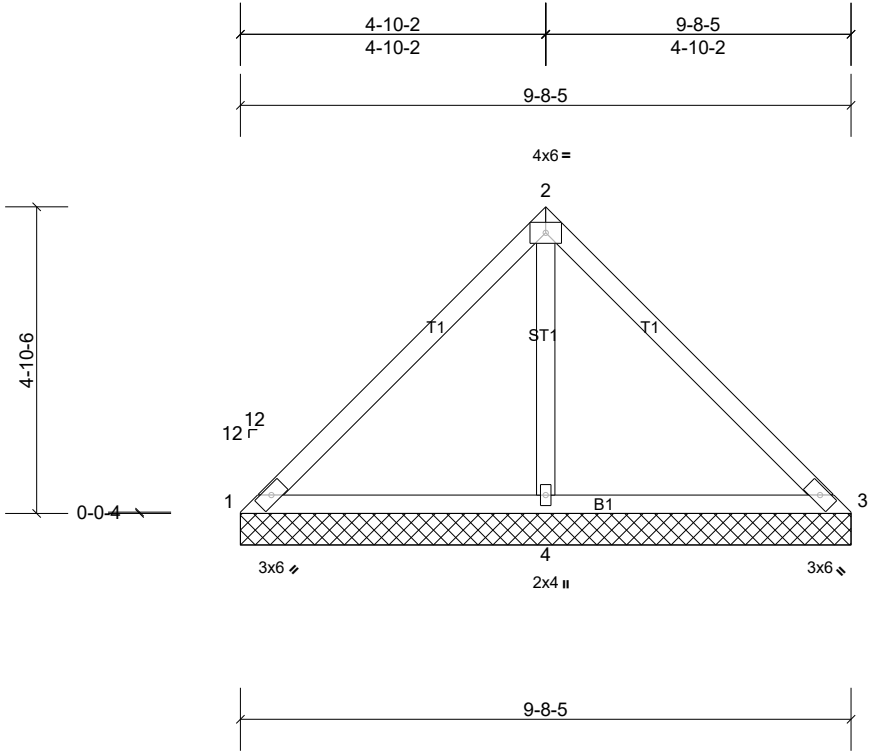
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<p>LUMBER</p> <p>TOP CHORD 2x4 SP No.2</p> <p>BOT CHORD 2x4 SP No.2</p> <p>OTHERS 2x4 SP No.2</p>	<p>BRACING</p> <p>TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.</p> <p>BOT CHORD <u>Rigid ceiling directly applied or 6-0-0 oc bracing.</u></p>
<p>REACTIONS All bearings 15-0-5.</p> <p>(lb) - Max Horiz 1--241 (LC 8)</p>	<p>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</p>

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V5	Valley	1	1	Job Reference (optional)



Scale = 1:30.3

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	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.28	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS							Weight: 40 lb	FT = 20%
BCDL	10.0											

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 9-8-5 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

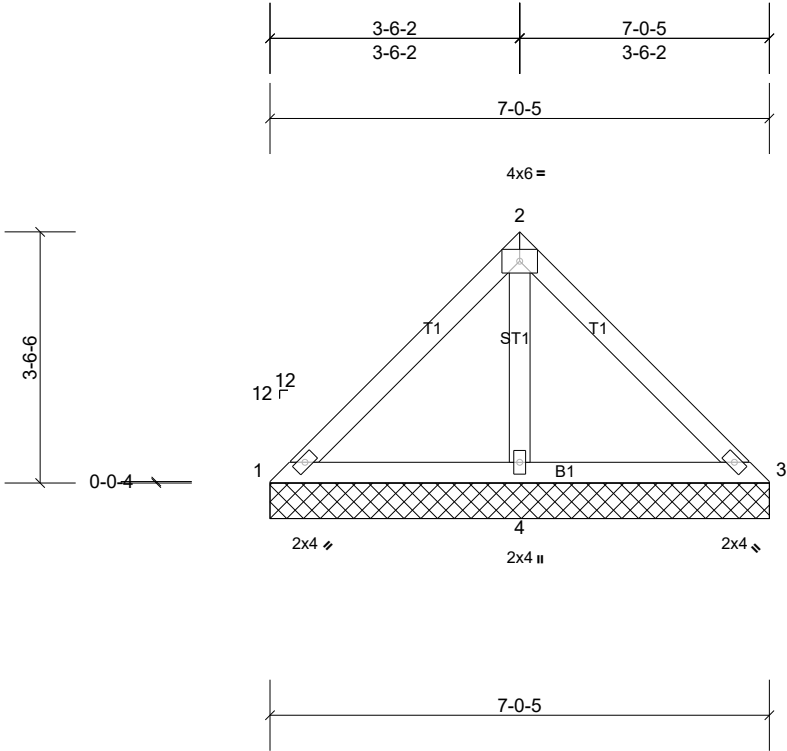
REACTIONS (lb/size)	1=26/9-8-5, (min. 0-1-8), 3=26/9-8-5, (min. 0-1-8), 4=627/9-8-5, (min. 0-1-8)
Max Horiz	1=153 (LC 9)
Max Uplift	1=-27 (LC 28), 3=-27 (LC 27), 4=-295 (LC 12)
Max Grav	1=70 (LC 27), 3=71 (LC 12), 4=715 (LC 2)

FORCES	(lb) = Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-176/310, 2-3=-172/308
BOT CHORD	1-4=-303/246, 3-4=-303/246
WEBS	2-4=-661/387

- NOTES
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 1, 27 lb uplift at joint 3 and 295 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.

LOAD CASE(S)	Standard
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Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V6	Valley	1	1	Job Reference (optional)



Scale = 1:26.2

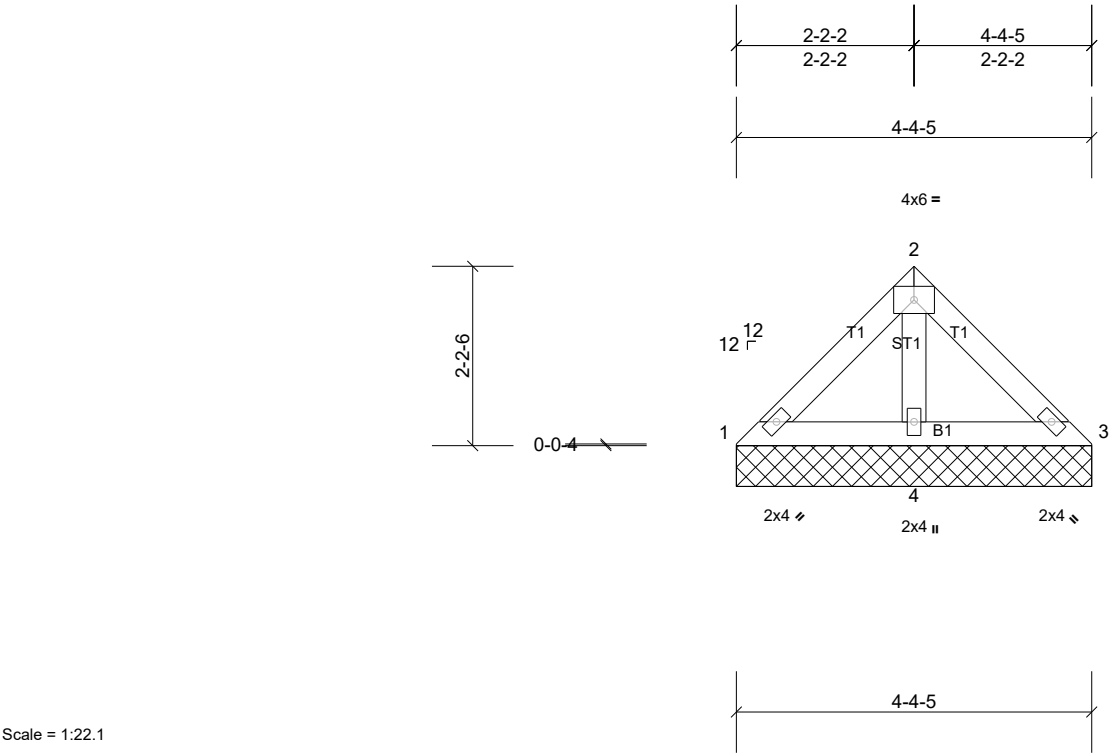
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 28 lb	FT = 20%

LUMBER			BRACING		
TOP CHORD	2x4	SP No.2	TOP CHORD	Structural wood sheathing directly applied or 7-0-5 oc purlins.	
BOT CHORD	2x4	SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.	
OTHERS	2x4	SP No.2		<div>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</div>	
REACTIONS	(lb/size)	1=36/7-0-5, (min. 0-1-8), 3=36/7-0-5, (min. 0-1-8), 4=419/7-0-5, (min. 0-1-8)			
	Max Horiz	1=110 (LC 9)			
	Max Uplift	1=-4 (LC 28), 3=-4 (LC 27), 4=-190 (LC 12)			
	Max Grav	1=66 (LC 27), 3=66 (LC 28), 4=478 (LC 2)			
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
WEBS	2-4=-397/235				

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4'-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 2'-00"-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 1, 4 lb uplift at joint 3 and 190 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.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V7	Valley	1	1	Job Reference (optional)

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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	0.05	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
										Weight: 17 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

OTHERS 2x4 SP No.2

BRACING

TOP CHORD

BOT CHORD

REACTIONS (lb/size) 1=43/4-4-5, (min. 0-1-8), 3=43/4-4-5, (min. 0-1-8), 4=219/4-4-5, (min. 0-1-8)

Max Horiz 1=-66 (LC 8)

Max Uplift 1=-5 (LC 13), 3=-9 (LC 13), 4=-82 (LC 12)

Max Grav 1=58 (LC 27), 3=58 (LC 28), 4=249 (LC 2)

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

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Truss designed for wind loads in the plane of the truss only. 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.

4) TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10

5) Gable requires continuous bottom chord bearing.

6) Gable studs spaced at 4-0-0 oc.

7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 1, 9 lb uplift at joint 3 and 82 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.

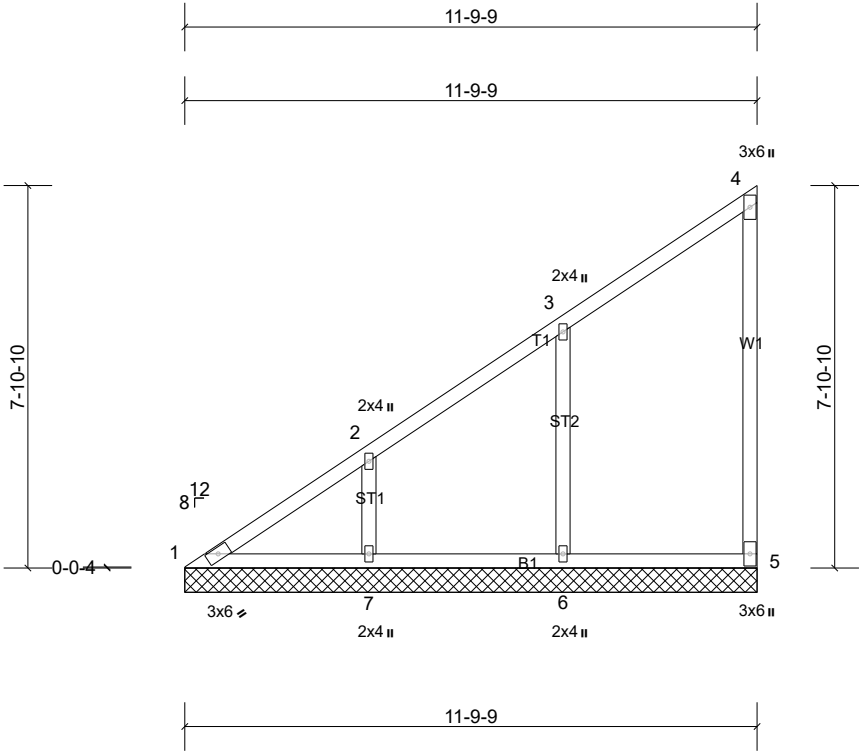
LOAD CASE(S) Standard

Structural wood sheathing directly applied or 4-4-5 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.

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	Daughtry Plan - Onsite
2501947-24508	V8	Valley	1	1	Job Reference (optional)



Scale = 1:47.5

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	0.54	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.23	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS							Weight: 59 lb	FT = 20%
BCDL	10.0											

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

BRACING
TOP CHORD
BOT CHORD

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

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

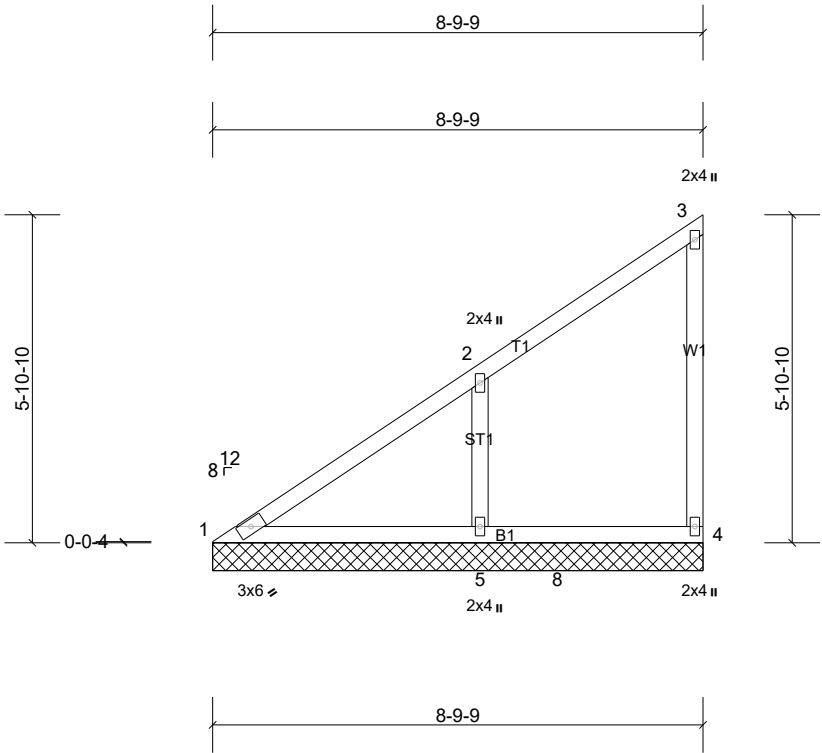
REACTIONS All bearings 11-9-9.
(lb) - Max Horiz 1=379 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-219 (LC 12), 7=-193 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=452 (LC 23), 7=372 (LC 23)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-322/219, 2-3=-255/164
WEBS 3-6=-310/251, 2-7=-320/237

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 1 except (jt=lb) 6=219, 7=192.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V9	Valley	1	1	Job Reference (optional)



Scale = 1:41.3

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	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							Weight: 40 lb	FT = 20%
BCDL	10.0											

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS	(lb/size)	1=133/8-9-9, (min. 0-1-8), 4=91/8-9-9, (min. 0-1-8), 5=381/8-9-9, (min. 0-1-8)
	Max Horiz	1=279 (LC 9)
	Max Uplift	1=-7 (LC 8), 4=-64 (LC 9), 5=-259 (LC 12)
	Max Grav	1=188 (LC 24), 4=181 (LC 23), 5=518 (LC 23)

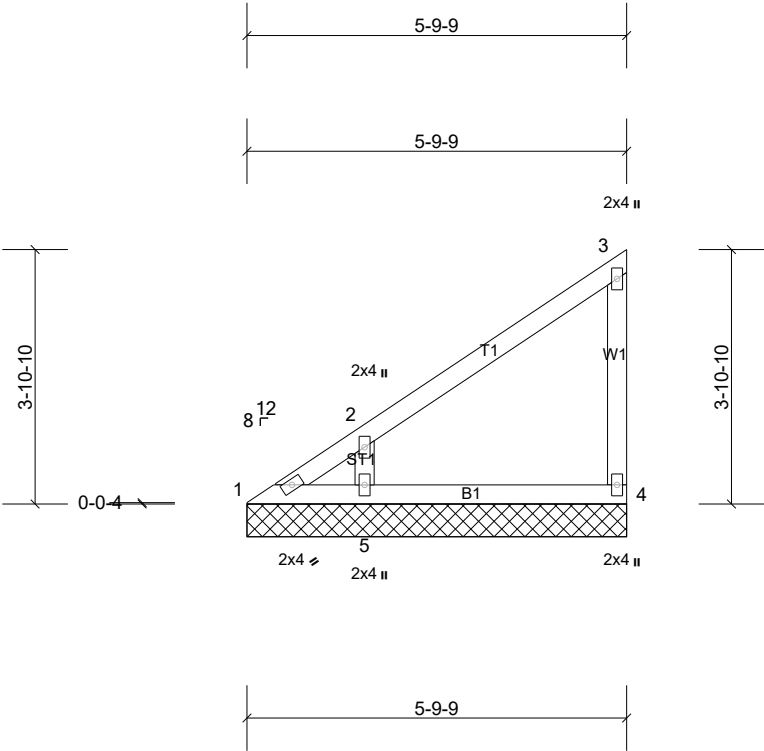
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-280/171
WEBS	2-5=-403/306

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 4, 7 lb uplift at joint 1 and 259 lb uplift at joint 5.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S)	Standard
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Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V10	Valley	1	1	Job Reference (optional)



Scale = 1:35.2

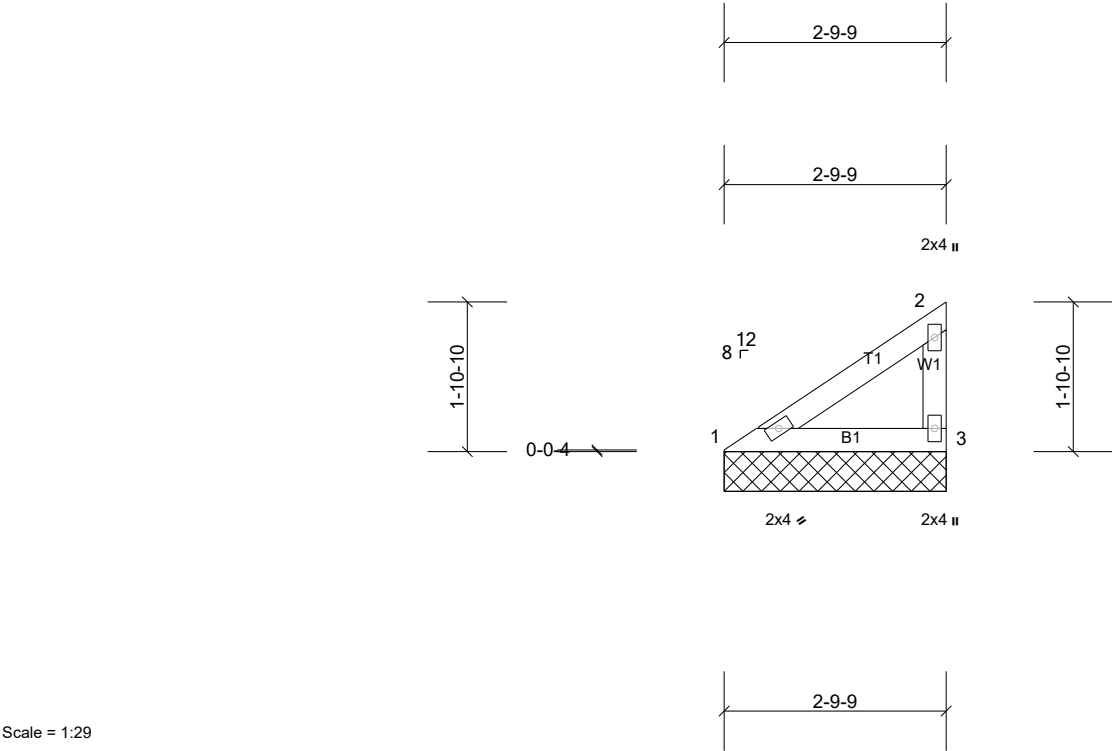
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	4	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
										Weight: 24 lb	FT = 20%

LUMBER		BRACING		
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-9-9 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.	
BOT CHORD	2x4 SP No.2	BOT CHORD		
WEBS	2x4 SP No.2	<div>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</div>		
OTHERS	2x4 SP No.2			
REACTIONS	(lb/size)			1=8/5-9-9, (min. 0-1-8), 4=110/5-9-9, (min. 0-1-8), 5=278/5-9-9, (min. 0-1-8)
	Max Horiz			1=178 (LC 9)
	Max Uplift			1=-46 (LC 10), 4=-53 (LC 9), 5=-180 (LC 12)
	Max Grav			1=85 (LC 9), 4=152 (LC 23), 5=352 (LC 23)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
WEBS	2-5=-362/310			

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 4, 46 lb uplift at joint 1 and 180 lb uplift at joint 5.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V11	Valley	1	1	Job Reference (optional)



Scale = 1:29

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%
BCDL	10.0											

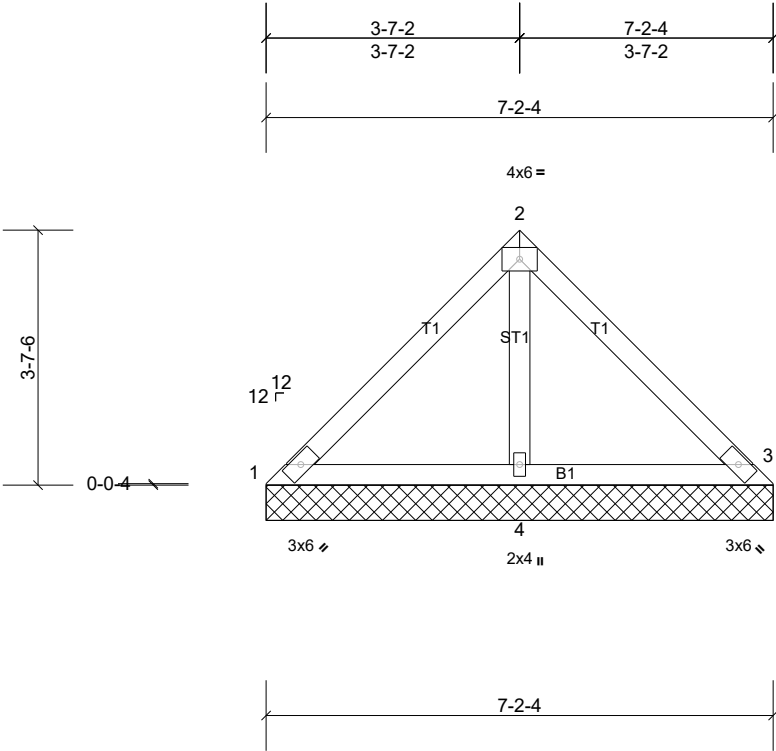
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-9-9 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		
REACTIONS	(lb/size)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
	1=93/2-9-9, (min. 0-1-8), 3=93/2-9-9, (min. 0-1-8)		
	Max Horiz 1=78 (LC 9)		
	Max Uplift 1=-23 (LC 12), 3=-49 (LC 12)		
	Max Grav 1=106 (LC 2), 3=122 (LC 23)		

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3 and 23 lb uplift at joint 1.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 2501947-24508	Truss V12	Truss Type Valley	Qty 1	Ply 1	Daughtry Plan - Onsite Job Reference (optional)
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Scale = 1:26.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	4	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
Weight: 29 lb FT = 20%											

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 7-1-6 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 1=74/7-2-4, (min. 0-1-8), 3=57/7-2-4, (min. 0-1-8), 4=350/7-2-4, (min. 0-1-8)
Max Horiz 1=112 (LC 9)
Max Uplift 1=-21 (LC 13), 3=-26 (LC 8), 4=-184 (LC 12)
Max Grav 1=102 (LC 24), 3=102 (LC 28), 4=423 (LC 23)

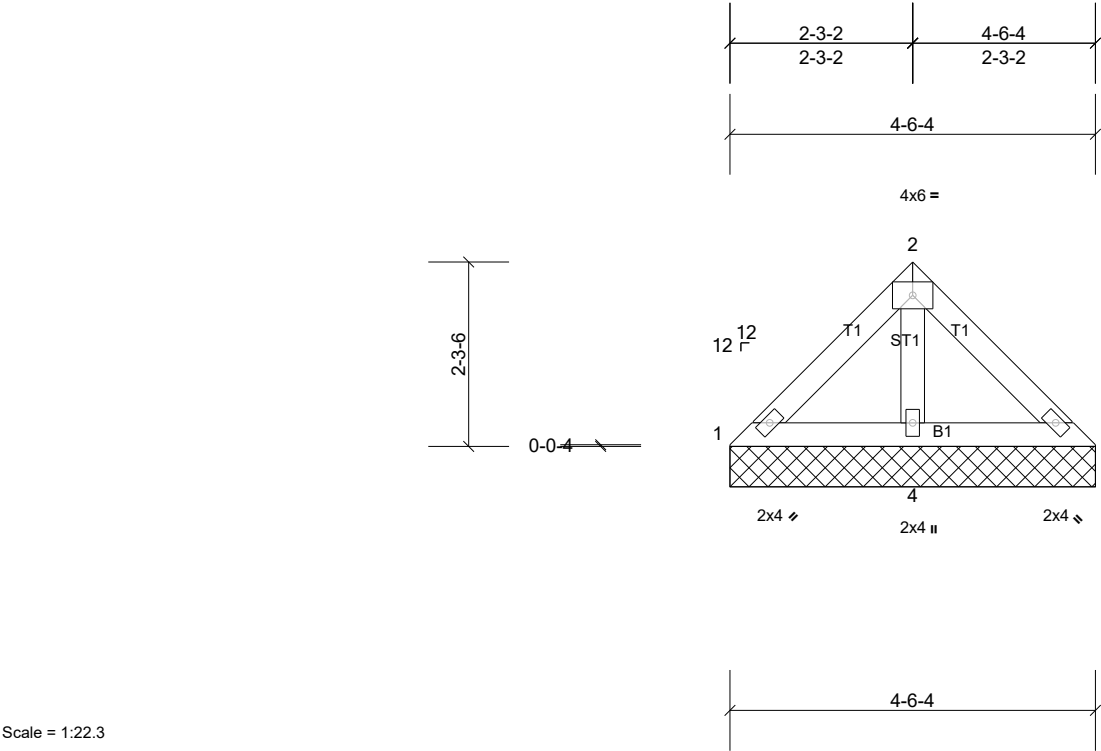
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-283/159

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 1, 26 lb uplift at joint 3 and 184 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Daughtry Plan - Onsite
2501947-24508	V13	Valley	1	1	Job Reference (optional)



Scale = 1:22.3

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a	
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP							
BCDL	10.0										
										Weight: 17 lb	FT = 20%

LUMBER			BRACING		
TOP CHORD	2x4 SP No.2		TOP CHORD		Structural wood sheathing directly applied or 4-6-4 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing. <div> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>
BOT CHORD	2x4 SP No.2		BOT CHORD		
OTHERS	2x4 SP No.2				

REACTIONS (lb/size) 1=43/4-6-4, (min. 0-1-8), 3=43/4-6-4, (min. 0-1-8), 4=230/4-6-4, (min. 0-1-8)

Max Horiz 1=-68 (LC 8)

Max Uplift 1=-4 (LC 13), 3=-8 (LC 13), 4=-87 (LC 12)

Max Grav 1=60 (LC 27), 3=60 (LC 28), 4=262 (LC 2)

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lum DOL = 1.15 Plate DOL = 1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 1, 8 lb uplift at joint 3 and 87 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.
- LOAD CASE(S)** Standard