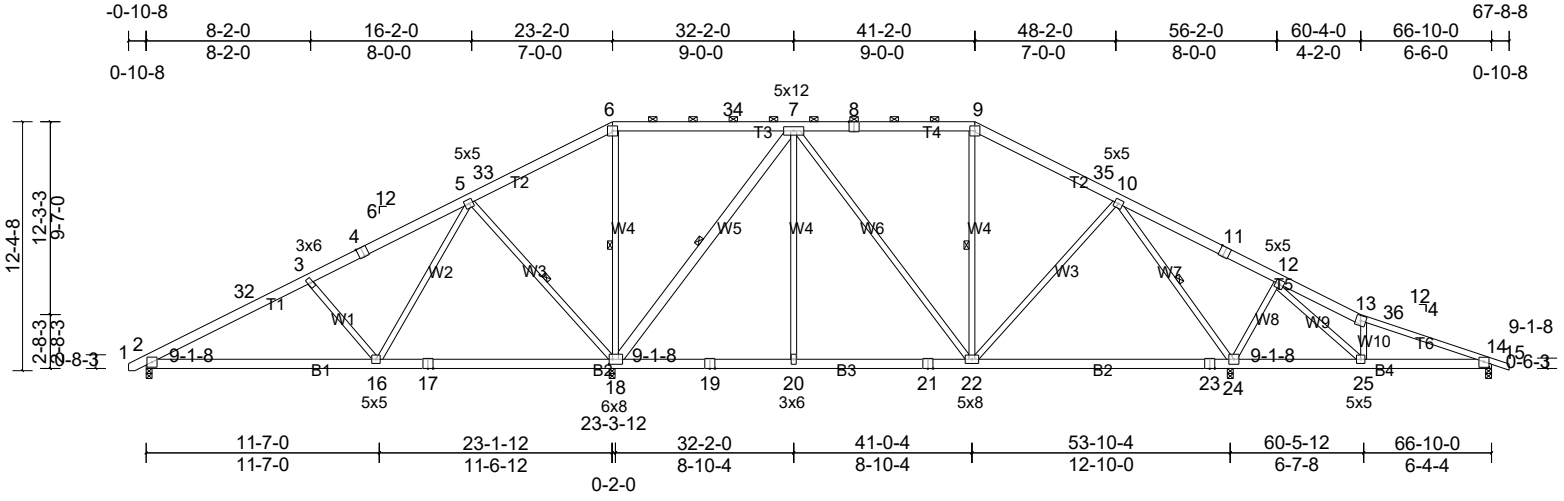
Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A1	Piggyback Base	7	1	Job Reference (optional)



Scale = 1:114.9

Plate Offsets (X, Y): [4:0-3-0,Edge], [8:0-3-0,Edge], [11:0-3-0,Edge], [14:0-3-0,0-3-5], [18:0-2-0,0-3-0]

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	0.43	Vert(LL)	-0.13	22-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.26	22-24	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.02	24	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.06	16-28	>999	240	Weight: 513 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1 *Except* T6:2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W5:2x6 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-18,24-25.
WEBS 1 Row at midpt 5-18, 6-18, 7-18, 9-22, 10-24

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

REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 2=243 (LC 16)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-174 (LC 12), 14=-141 (LC 9), 18=-452 (LC 12), 24=-427 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) except 2=717 (LC 25), 14=454 (LC 26), 18=2605 (LC 1), 24=1761 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-32=-882/295, 3-32=-722/317, 3-4=-598/244, 4-5=-487/282, 5-33=-45/494, 6-33=-23/668, 6-34=0/526, 7-34=0/526, 7-8=-585/430, 8-9=-585/430, 9-35=-657/401, 10-35=-764/366, 10-11=0/406, 11-12=0/265, 12-13=-557/289, 13-36=-455/180, 14-36=-538/170
BOT CHORD 2-16=-317/736, 16-17=-76/254, 17-18=-76/254, 18-19=0/413, 19-20=0/413, 20-21=0/413, 21-22=0/413, 22-23=0/470, 23-24=0/470, 14-25=-60/455
WEBS 5-18=-848/439, 6-18=-688/248, 7-18=-1332/420, 7-20=0/291, 7-22=-85/376, 5-16=-163/738, 3-16=-475/353, 10-24=-1257/413, 12-24=-574/352, 12-25=-282/633, 13-25=-310/213

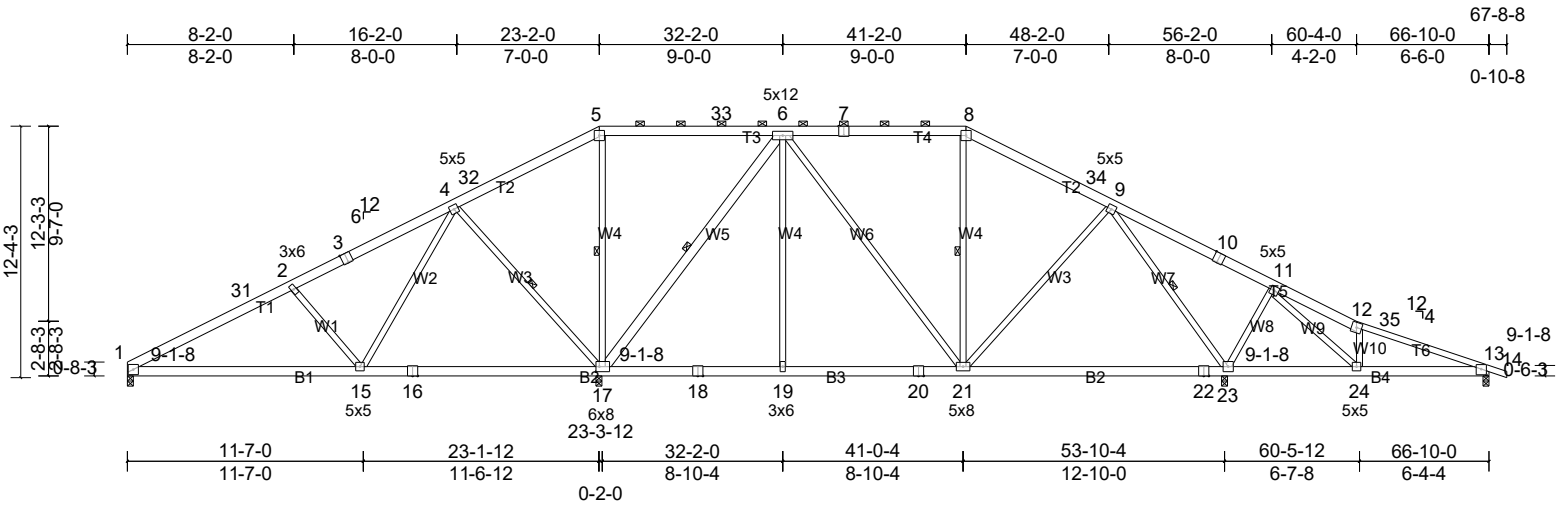
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-10 to 5-3-6, Interior (1) 5-3-6 to 23-2-0, Exterior(2R) 23-2-0 to 29-2-0, Interior (1) 29-2-0 to 41-2-0, Exterior(2R) 41-2-0 to 47-2-0, Interior (1) 47-2-0 to 67-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 6x6 (=) MT20 unless otherwise indicated.
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 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 2, 451 lb uplift at joint 18, 141 lb uplift at joint 14 and 426 lb uplift at joint 24.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A1A	Piggyback Base	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, user — Run: 25.20 S Jul 24 2025 Print: 25.2.0 S Jul 24 2025 MiTek Industries, Inc. Wed Oct 29 10:53:26 — Page: 1

ID:c6YW26?bBSSFX_AUaU3DHHyeIUw-2b8xq?DSa90jMjOH11Bjv8SlgdVhCwMQmWArSiyOb6N



Scale = 1:113.6

Plate Offsets (X, Y): [3:0-3-0,Edge], [7:0-3-0,Edge], [10:0-3-0,Edge], [13:0-3-0,0-3-5], [17:0-2-0,0-3-0]

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	0.43	Vert(LL)	-0.13	21-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.26	21-23	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.02	23	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.06	15-27	>999	240	Weight: 510 lb	FT = 25%

LUMBER

TOP CHORD 2x6 SP No.1 *Except* T6:2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W5:2x6 SP No.1

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-17,23-24.
WEBS 1 Row at midpt 4-17, 5-17, 6-17, 8-21, 9-23

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

REACTIONS All bearings 0-3-8.

(lb) - Max Horiz 1=-250 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-154 (LC 12), 13=-141 (LC 9), 17=-451 (LC 12), 23=-427 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) except 1=674 (LC 25), 13=454 (LC 26), 17=2605 (LC 1), 23=1761 (LC 26)

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

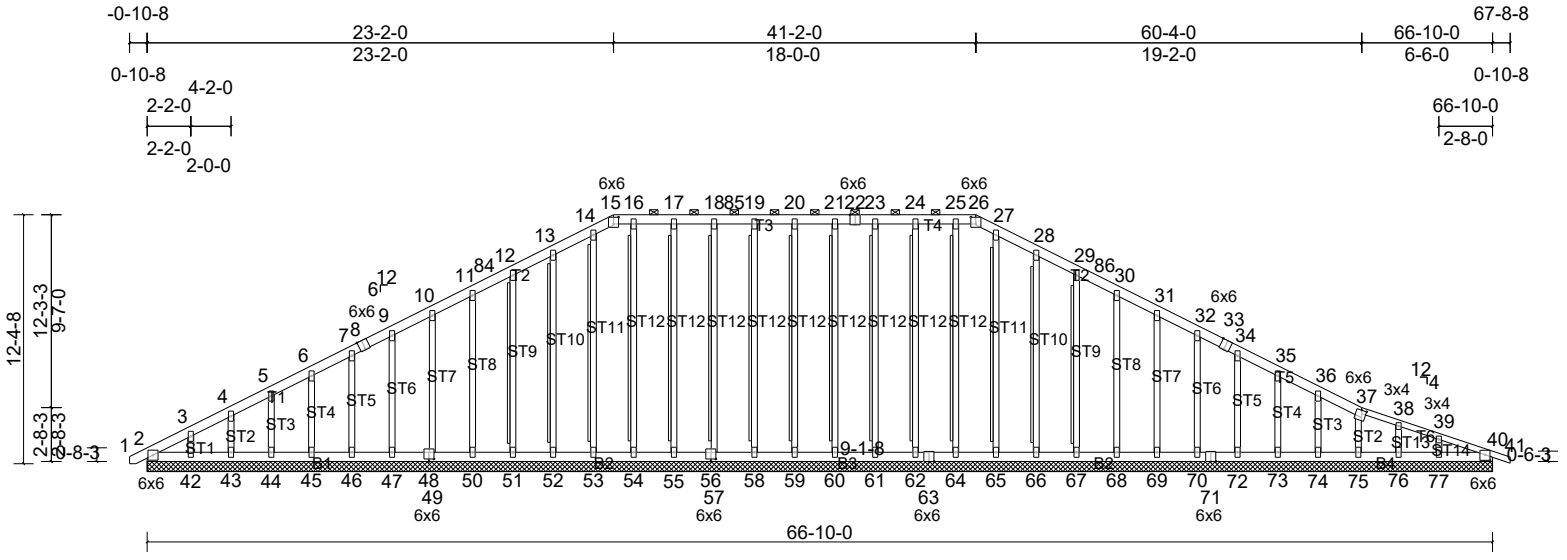
TOP CHORD 1-31=-885/309, 2-31=-726/331, 2-3=-601/255, 3-4=-490/293, 4-32=-45/493, 5-32=-22/667, 5-33=0/525, 6-33=0/525, 6-7=-585/430, 7-8=-585/430, 8-34=-657/401, 9-34=-764/366, 9-10=0/406, 10-11=0/264, 11-12=-557/289, 12-35=-455/180, 13-35=-538/170
BOT CHORD 1-15=-319/740, 15-16=-76/254, 16-17=-76/254, 17-18=0/413, 18-19=0/413, 19-20=0/413, 20-21=0/413, 21-22=0/471, 22-23=0/471, 13-24=-60/455
WEBS 4-17=-849/439, 5-17=-688/248, 6-17=-1332/420, 6-19=0/291, 6-21=-85/376, 4-15=-176/738, 2-15=-477/365, 9-23=-1257/413, 11-23=-574/352, 11-24=-282/633, 12-24=-310/213

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 6-0-0, Interior (1) 6-0-0 to 23-2-0, Exterior(2R) 23-2-0 to 29-2-0, Interior (1) 29-2-0 to 41-2-0, Exterior(2R) 41-2-0 to 47-2-0, Interior (1) 47-2-0 to 67-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 6x6 (=) MT20 unless otherwise indicated.
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 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 1, 451 lb uplift at joint 17, 141 lb uplift at joint 13 and 426 lb uplift at joint 23.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A1GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)



Scale = 1:114.9

Plate Offsets (X, Y): [8:0-3-0,Edge], [15:0-3-0,0-4-0], [22:0-3-0,Edge], [26:0-3-0,0-4-0], [33:0-3-0,Edge], [37:0-3-0,0-0-4], [40:0-3-0,0-3-5], [48:0-3-0,0-1-8], [56:0-3-0,0-1-8]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	40	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 669 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1 *Except* T6:2x4 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2 *Except* O1,O2,O3,O4,O5,O6,O7:2x4 SPF No.2(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 15-26.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 12-51, 13-52, 14-53, 16-54, 17-55, 18-57, 19-58, 20-59, 21-60, 23-61, 24-62, 25-64, 27-65, 28-66, 29-67
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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

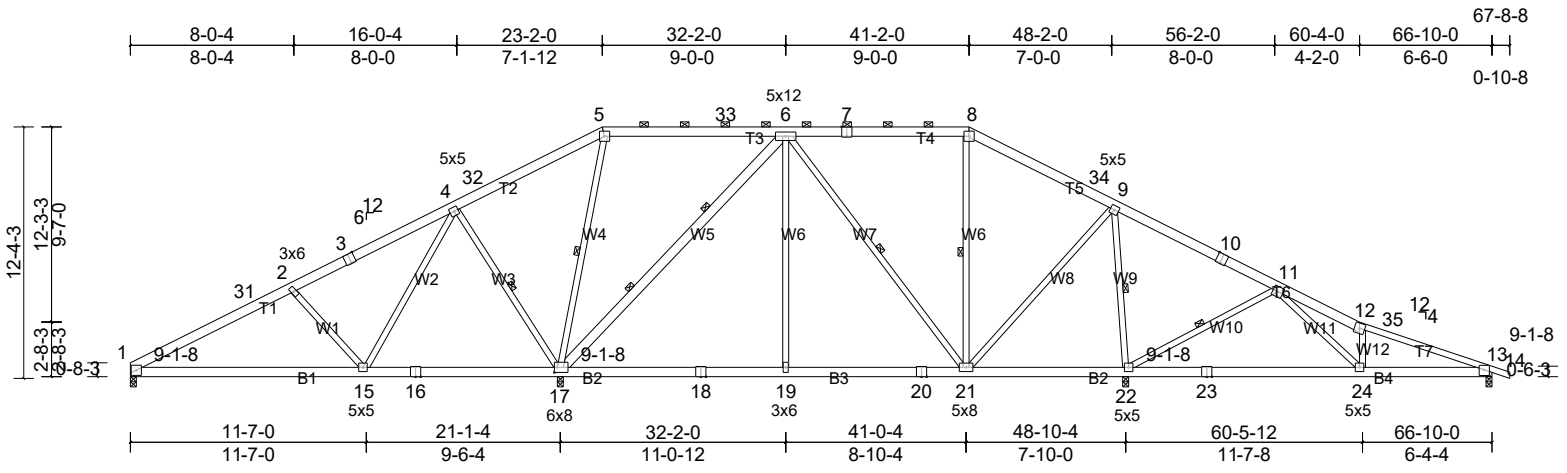
REACTIONS All bearings 66-10-0.
(lb) - Max Horiz 2=243 (LC 16)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 40, 43, 44, 45, 46, 47, 49, 50, 51, 52, 55, 57, 58, 59, 60, 61, 62, 66, 67, 68, 69, 70, 72, 73, 74, 75, 76, 77 except 42=-121 (LC 12)
Max Grav All reactions 250 (lb) or less at joint (s) 2, 40, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 55, 57, 58, 59, 60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 72, 73, 74, 75, 76, 77

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-334/119, 3-4=-277/115, 10-11=-88/252, 11-84=-108/287, 12-84=-92/297, 12-13=-129/349, 13-14=-150/399, 14-15=-153/399, 15-16=-143/395, 16-17=-143/395, 17-18=-143/395, 18-85=-143/395, 19-85=-143/395, 19-20=-143/395, 20-21=-143/395, 21-22=-143/395, 22-23=-143/395, 23-24=-143/395, 24-25=-143/395, 25-26=-143/395, 26-27=-153/391, 27-28=-150/367, 28-29=-129/307, 29-86=-92/256, 30-86=-108/250

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-8-10 to 5-3-6, Exterior(2N) 5-3-6 to 23-2-0, Corner(3R) 23-2-0 to 29-2-0, Exterior(2N) 29-2-0 to 41-2-0, Corner(3R) 41-2-0 to 47-2-0, Exterior (2N) 47-2-0 to 67-8-8 zone;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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 3x6 (||) 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 30.0psf 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 40, 43, 44, 45, 46, 47, 49, 50, 51, 52, 55, 57, 58, 59, 60, 61, 62, 66, 67, 68, 69, 70, 72, 73, 74, 75, 76, 77, 2, 40, 2 except (jt=lb) 42=121.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A2	Piggyback Base	3	1	Job Reference (optional)



Scale = 1:113.6

Plate Offsets (X, Y): [3:0-3-0,Edge], [7:0-3-0,Edge], [10:0-3-0,Edge], [13:0-3-0,0-3-5], [17:0-1-11,0-3-0]

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	0.41	Vert(LL)	-0.09	22-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.18	15-27	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.05	15-27	>999	240	Weight: 515 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1 *Except* T7:2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W5:2x6 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-7 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-17,21-22.
WEBS 1 Row at midpt 6-21, 8-21, 9-22, 11-22, 5-17, 4-17
WEBS 2 Rows at 1/3 pts 6-17

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

REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 1=-250 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-129 (LC 12), 13=-179 (LC 13), 17=-464 (LC 12), 22=-428 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) except 1=603 (LC 25), 13=576 (LC 26), 17=2288 (LC 1), 22=2013 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-31=-734/262, 2-31=-578/284, 2-3=-438/197, 3-4=-327/236, 4-32=-36/485, 5-32=-14/662, 5-33=0/399, 6-33=0/399, 6-7=-239/367, 7-8=-239/367, 8-34=-272/333, 9-34=-381/298, 9-10=-13/568, 10-11=-34/427, 11-12=-993/402, 12-35=-870/287, 13-35=-953/277
BOT CHORD 1-15=-282/614, 15-16=-145/275, 16-17=-145/275, 17-18=-7/397, 18-19=-7/397, 19-20=-7/397, 20-21=-7/397, 21-22=-324/277, 22-23=-47/295, 23-24=-47/295, 13-24=-162/848
WEBS 6-17=-974/294, 6-19=0/424, 8-21=-319/129, 9-21=-89/808, 9-22=-1421/488, 11-22=-780/395, 12-24=-357/230, 5-17=-697/254, 4-17=-813/440, 4-15=-188/673, 2-15=-482/363, 11-24=-201/824

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 6-0-0, Interior (1) 6-0-0 to 23-2-10, Exterior(2R) 23-2-10 to 29-2-10, Interior (1) 29-2-10 to 41-2-0, Exterior(2R) 41-2-0 to 47-2-0, Interior (1) 47-2-0 to 67-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 6x6 (=) MT20 unless otherwise indicated.
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 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 427 lb uplift at joint 22, 463 lb uplift at joint 17, 129 lb uplift at joint 1 and 178 lb uplift at joint 13.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A3	Piggyback Base	4	1	Job Reference (optional)

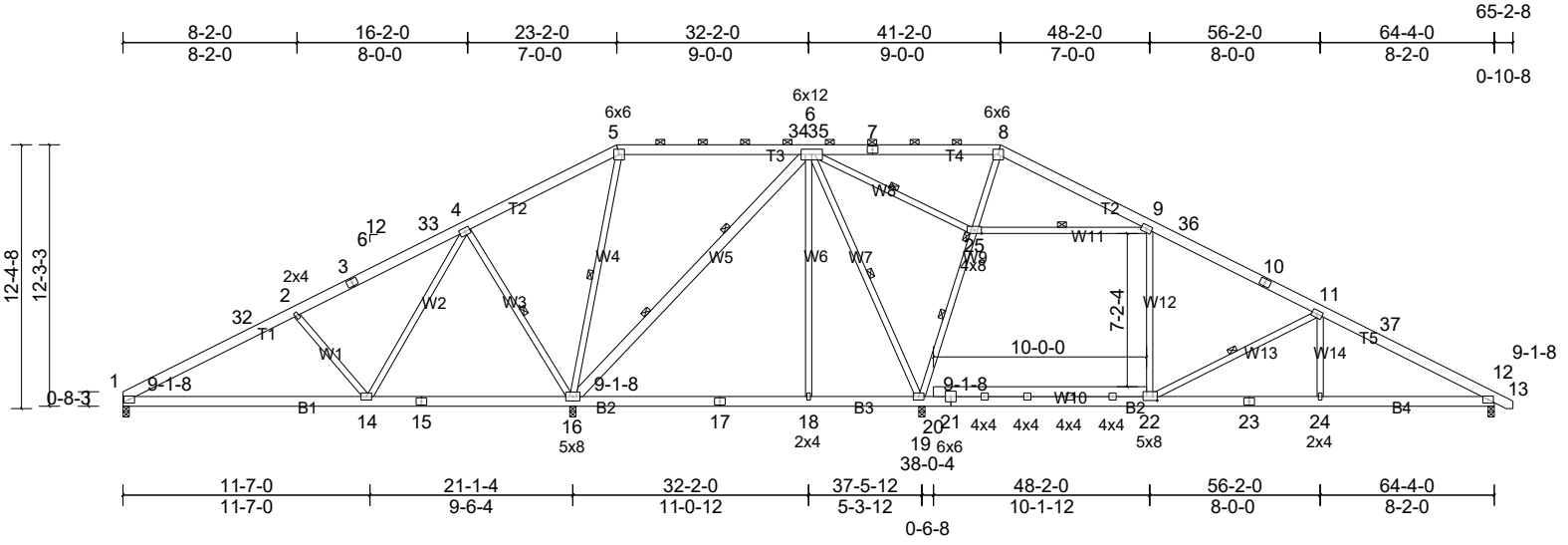


Plate Offsets (X, Y): [22:0-2-8,0-2-4], [25:0-4-0,0-1-13]

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)	-0.10	22-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.21	22-24	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.13	22-24	>999	240	Weight: 536 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W5,W10:2x6 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (10-0-0 max.): 5-8.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-18,18-19.
WEBS 1 Row at midpt 4-16, 5-16, 6-19, 19-25, 11-22, 6-25, 9-25
WEBS 2 Rows at 1/3 pts 6-16
JOINTS 1 Brace at Jt(s): 25

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

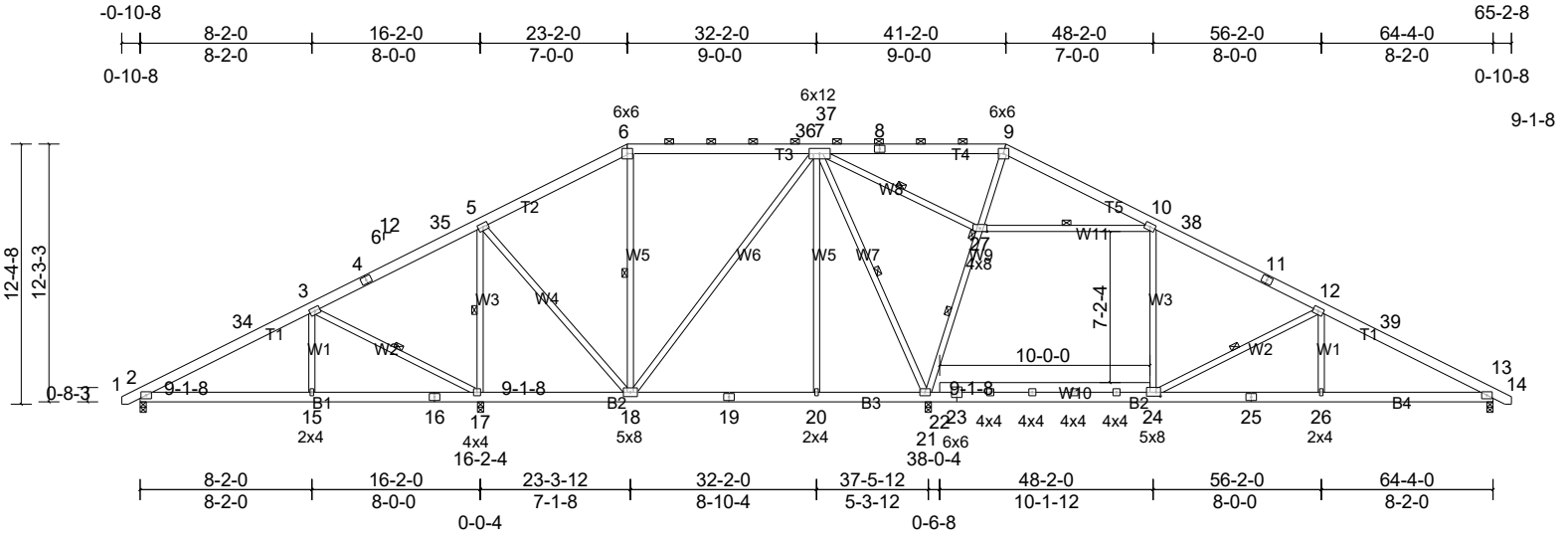
REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 1=-249 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-134 (LC 12), 12=-311 (LC 13), 16=-573 (LC 12), 19=-440 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) except 1=701 (LC 1), 12=1014 (LC 26), 16=1756 (LC 25), 19=1935 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-32=-934/228, 2-32=-774/249, 2-3=-649/194, 3-33=-537/212, 4-33=-466/233, 4-5=-28/444, 5-34=-16/262, 6-34=-16/262, 6-35=-247/1477, 7-35=-247/1477, 7-8=-247/1477, 8-9=-258/1397, 9-36=-667/374, 10-36=-728/354, 10-11=-843/336, 11-37=-1399/506, 12-37=-1583/484
BOT CHORD 1-14=-287/784, 16-17=-116/286, 17-18=-116/286, 18-19=-117/285, 19-20=-13/652, 20-21=-13/652, 21-22=-13/652, 22-23=-324/1335, 23-24=-324/1335, 12-24=-324/1335
WEBS 2-14=-480/346, 4-16=-805/432, 6-16=-375/163, 6-18=0/330, 11-24=0/339, 5-16=-593/265, 4-14=-177/683, 6-19=-202/346, 19-25=-1916/720, 8-25=-1071/385, 9-22=-23/631, 11-22=-777/352, 6-25=-1691/670, 9-25=-1783/706

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 6-0-0, Interior (1) 6-0-0 to 23-2-10, Exterior(2R) 23-2-10 to 31-8-8, Interior (1) 31-8-8 to 41-1-6, Exterior(2R) 41-1-6 to 49-7-3, Interior (1) 49-7-3 to 65-0-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 (=) MT20 unless otherwise indicated.
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 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 1, 573 lb uplift at joint 16, 311 lb uplift at joint 12 and 439 lb uplift at joint 19.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A4	Piggyback Base	2	1	Job Reference (optional)



Scale = 1:109.4

Plate Offsets (X, Y): [24:0-2-8,0-2-4], [27:0-4-0,0-1-13]

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)	-0.10	24-26	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.20	24-26	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.13	24-26	>999	240	Weight: 533 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W10:2x6 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18.
WEBS 1 Row at midpt 3-17, 5-17, 6-18, 7-21, 21-27, 12-24, 7-27, 10-27
JOINTS 1 Brace at Jt(s): 27

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

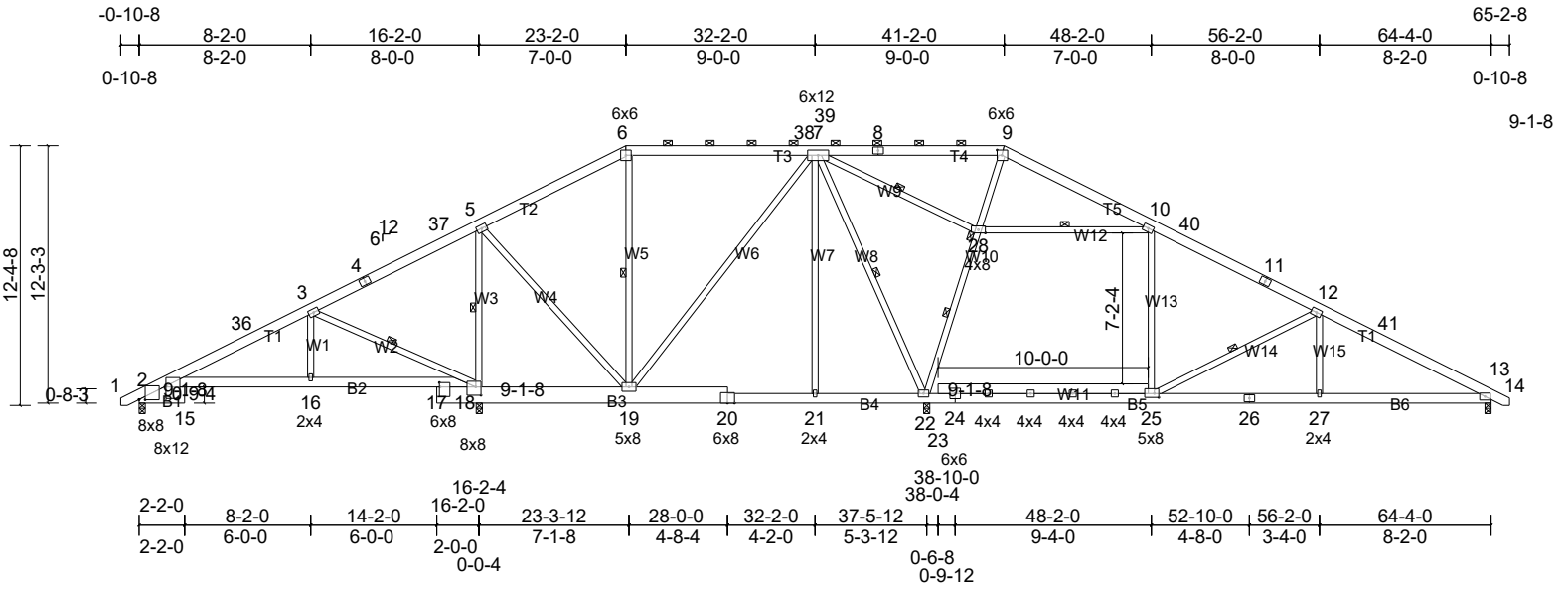
REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 2=242 (LC 16)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-146 (LC 12), 13=-312 (LC 13), 17=-454 (LC 12), 21=-445 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) except 2=661 (LC 1), 13=1008 (LC 26), 17=1462 (LC 25), 21=2193 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-34=-830/193, 3-34=-646/215, 5-6=-405/290, 6-36=-279/303, 7-36=-279/303, 7-37=-249/1481, 8-37=-249/1481, 8-9=-249/1481, 9-10=-260/1401, 10-38=-655/375, 11-38=-717/355, 11-12=-831/336, 12-39=-1388/506, 13-39=-1571/484
BOT CHORD 2-15=-248/665, 15-16=-248/665, 16-17=-248/665, 18-19=-87/280, 19-20=-87/280, 20-21=-89/279, 21-22=-14/641, 22-23=-14/641, 23-24=-14/641, 24-25=-324/1324, 25-26=-324/1324, 13-26=-324/1324
WEBS 3-15=0/345, 3-17=-764/340, 5-17=-954/382, 5-18=-59/450, 6-18=-303/157, 7-20=0/256, 7-21=-516/365, 21-27=-1919/723, 9-27=-1068/384, 10-24=-24/627, 12-24=-776/352, 12-26=0/339, 7-27=-1691/673, 10-27=-1782/709

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-10 to 5-3-6, Interior (1) 5-3-6 to 23-2-0, Exterior(2R) 23-2-0 to 31-7-13, Interior (1) 31-7-13 to 41-1-6, Exterior(2R) 41-1-6 to 49-7-3, Interior (1) 49-7-3 to 65-0-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 (=) MT20 unless otherwise indicated.
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 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 2, 454 lb uplift at joint 17, 445 lb uplift at joint 21 and 311 lb uplift at joint 13.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A4A	Piggyback Base	5	1	Job Reference (optional)



Scale = 1:109.4

Plate Offsets (X, Y): [2:0-3-7,0-0-2], [2:0-0-10,1-3-5], [9:0-2-12,0-3-0], [17:0-2-8,0-0-8], [18:0-3-0,0-4-12], [25:0-2-8,0-2-4], [28:0-4-0,0-1-13]

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)	-0.10	25-27	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.20	25-27	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.13	25-27	>999	240	Weight: 562 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B1,B3:2x10 SP No.1
WEBS 2x4 SP No.2 *Except* W11:2x6 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-19, 5-18, 12-25, 22-28, 7-22, 3-18, 7-28, 10-28
JOINTS 1 Brace at Jt(s): 28

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

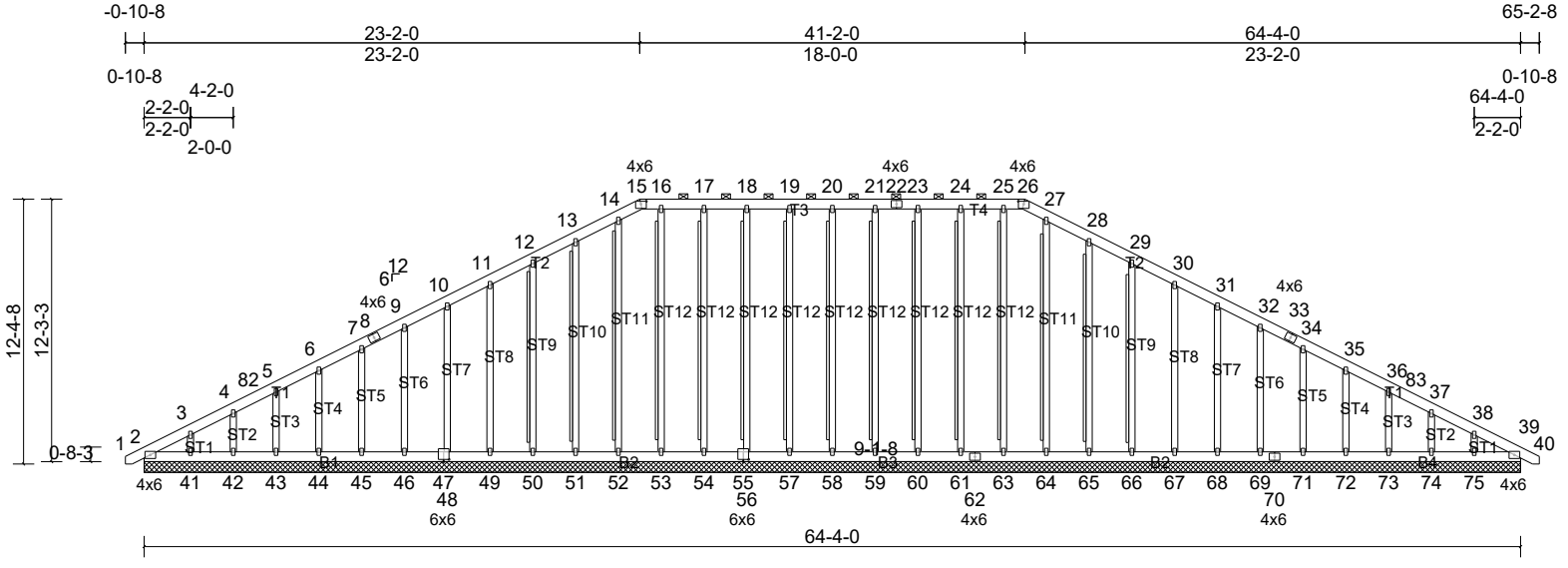
REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 2=-243 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 2 except 13=-309 (LC 13), 18=-550 (LC 12), 22=-458 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) except 2=459 (LC 1), 13=998 (LC 26), 18=1728 (LC 25), 22=2146 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-36=-448/173, 3-36=-270/191, 3-4=-177/387, 4-37=-156/460, 5-37=-139/548, 5-6=-257/266, 6-38=-172/273, 7-38=-172/273, 7-39=-257/1534, 8-39=-257/1534, 8-9=-257/1534, 9-10=-267/1452, 10-40=-632/369, 11-40=-694/348, 11-12=-808/330, 12-41=-1366/500, 13-41=-1549/478
BOT CHORD 2-15=-124/360, 15-16=-124/360, 16-17=-124/360, 17-18=-134/331, 18-19=-298/222, 19-20=-113/283, 20-21=-113/281, 21-22=-115/280, 22-23=-8/620, 23-24=-8/620, 24-25=-8/620, 25-26=-319/1305, 26-27=-319/1305, 13-27=-319/1305
WEBS 6-19=-372/187, 3-16=0/325, 5-18=-1204/476, 5-19=-81/630, 10-25=-25/627, 12-27=0/340, 12-25=-779/352, 22-28=-1942/727, 9-28=-1092/388, 7-22=-436/376, 3-18=-795/363, 7-28=-1689/674, 10-28=-1780/710

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-10 to 5-3-6, Interior (1) 5-3-6 to 23-2-0, Exterior(2R) 23-2-0 to 31-7-13, Interior (1) 31-7-13 to 41-1-6, Exterior(2R) 41-1-6 to 49-7-3, Interior (1) 49-7-3 to 65-0-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 (=) MT20 unless otherwise indicated.
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 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2 except (jt=lb) 18=550, 22=458, 13=308.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	A4GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)



Scale = 1:107.9

Plate Offsets (X, Y): [15:0-3-0,0-1-9], [26:0-3-0,0-1-9], [47:0-3-0,0-1-4], [55:0-3-0,0-1-4]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	39	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 662 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2 *Except*
O4,O3,O2,O1,O5,O6,O7:2x4 SPF No.2(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 15-26.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 20-58, 19-57, 18-56, 17-54, 16-53, 14-52, 13-51, 12-50, 21-59, 23-60, 24-61, 25-63, 27-64, 28-65, 29-66
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS All bearings 64-4-0.
(lb) - Max Horiz 2=242 (LC 16)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 42, 43, 44, 45, 46, 48, 49, 50, 51, 53, 54, 56, 57, 58, 59, 60, 61, 65, 66, 67, 68, 69, 71, 72, 73, 74 except 41=-122 (LC 12), 75=-108 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 2, 39, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 61, 63, 64, 65, 66, 67, 68, 69, 71, 72, 73, 74, 75

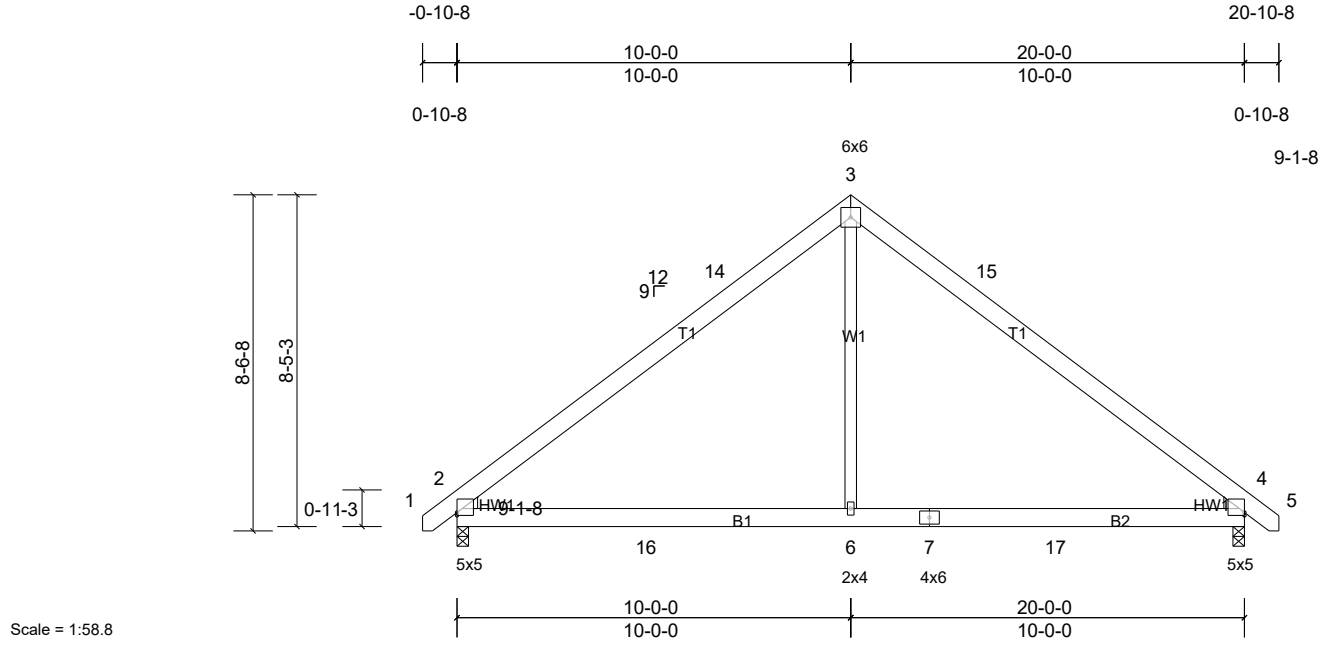
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-336/111, 3-4=-279/108, 11-12=-106/298, 12-13=-127/358, 13-14=-148/418, 14-15=-151/420, 15-16=-142/418, 16-17=-142/418, 17-18=-142/418, 18-19=-142/418, 19-20=-142/418, 20-21=-142/418, 21-22=-142/418, 22-23=-142/418, 23-24=-142/418, 24-25=-142/418, 25-26=-142/418, 26-27=-151/420, 27-28=-148/418, 28-29=-127/358, 29-30=-106/298
BOT CHORD 2-41=-71/272, 41-42=-71/272, 42-43=-71/272, 43-44=-71/272, 44-45=-71/272, 45-46=-71/272, 46-47=-71/272, 47-48=-71/272, 48-49=-71/272, 49-50=-71/272, 50-51=-71/272, 51-52=-71/272, 52-53=-71/272, 53-54=-71/272, 54-55=-71/272, 55-56=-71/272, 56-57=-71/272, 57-58=-71/272, 58-59=-71/272, 59-60=-71/272, 60-61=-71/272, 61-62=-71/272, 62-63=-71/272, 63-64=-71/272, 64-65=-71/272, 65-66=-71/272, 66-67=-71/272, 67-68=-71/272, 68-69=-71/272, 69-70=-71/272, 70-71=-71/272, 71-72=-71/272, 72-73=-71/272, 73-74=-71/272, 74-75=-71/272, 39-75=-71/272

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-8-10 to 5-3-6, Exterior(2N) 5-3-6 to 23-2-10, Corner(3R) 23-2-10 to 29-2-10, Exterior(2N) 29-2-10 to 41-1-6, Corner(3R) 41-1-6 to 47-1-6, Exterior (2N) 47-1-6 to 65-0-10 zone;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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/ bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
5) Provide adequate drainage to prevent water ponding.
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 30.0psf 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 58, 57, 56, 54, 53, 51, 50, 49, 48, 46, 45, 44, 43, 42, 59, 60, 61, 65, 66, 67, 68, 69, 71, 72, 73, 74, 2 except (jt=lb) 41=121, 75=107.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	G1	Common	7	1	Job Reference (optional)



Scale = 1:58.8

Plate Offsets (X, Y): [2:Edge,0-0-14], [4:Edge,0-0-14]

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	0.35	Vert(LL)	-0.09	6-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.14	6-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.18	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS		Wind(LL)	0.08	6-10	>999	240	Weight: 123 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
WEDGE Left: 2x4 SP No.2
Right: 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

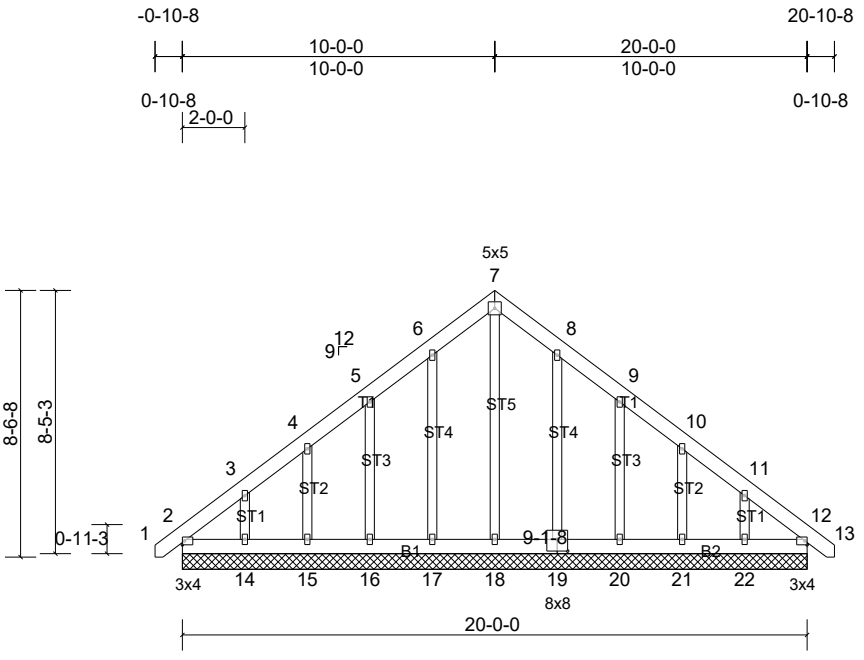
REACTIONS (lb/size) 2=845/0-3-8, (min. 0-1-8), 4=845/0-3-8, (min. 0-1-8)
Max Horiz 2=-242 (LC 10)
Max Uplift 2=-167 (LC 12), 4=-167 (LC 13)
Max Grav 2=1085 (LC 19), 4=1085 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-1201/193, 3-14=-935/232, 3-15=-934/232, 4-15=-1201/193
BOT CHORD 2-16=-509/900, 6-16=-52/900, 6-7=-52/900, 7-17=-52/900, 4-17=-52/900
WEBS 3-6=0/784

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-9-0 to 2-3-0, Interior (1) 2-3-0 to 10-0-0, Exterior(2R) 10-0-0 to 13-0-0, Interior (1) 13-0-0 to 20-9-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint 2 and 167 lb uplift at joint 4.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	G1GE	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:74.1

Plate Offsets (X, Y): [19:0-4-0,0-4-8]

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 167 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

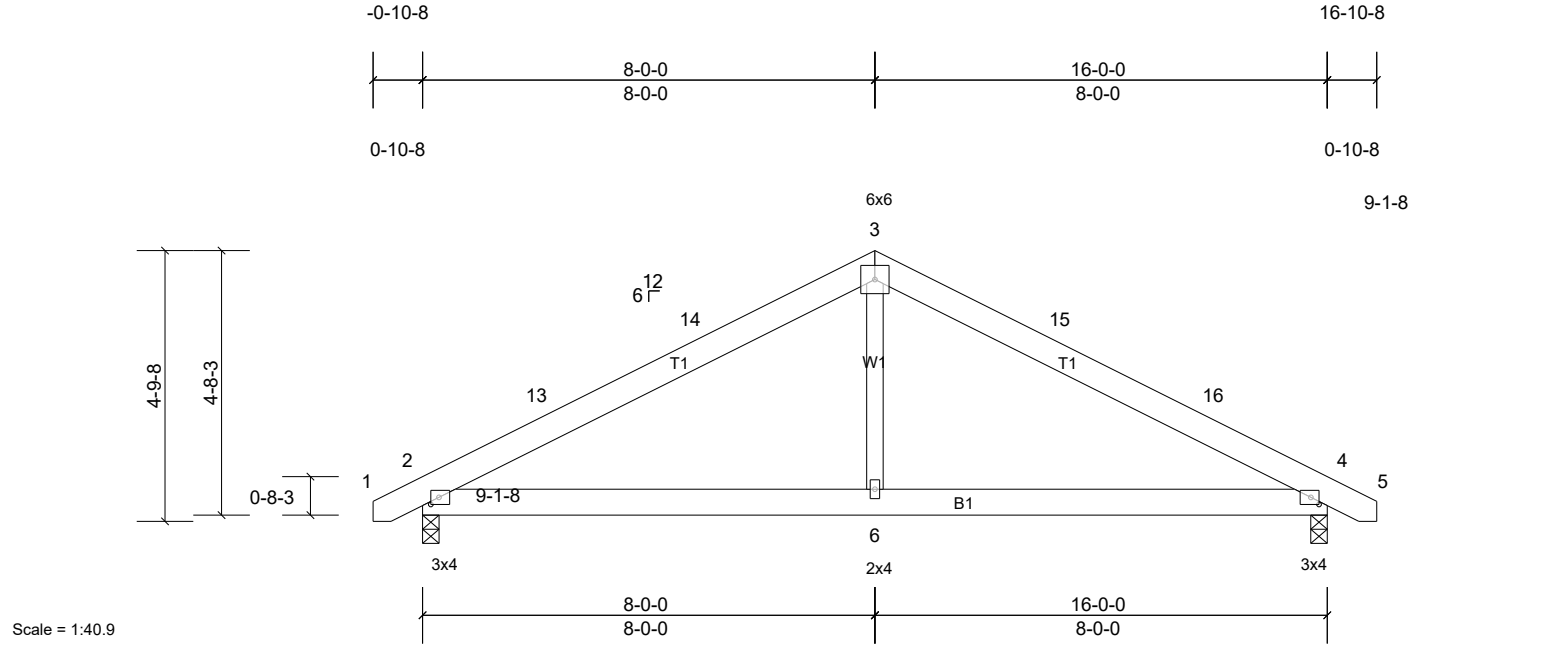
REACTIONS All bearings 20-0-0.
(lb) - Max Horiz 2=-242 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 15, 17, 19, 22 except 2=-145 (LC 8), 14=-165 (LC 12), 16=-114 (LC 12), 20=-105 (LC 13), 21=-145 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 2, 15, 16, 17, 19, 20, 21 except 14=251 (LC 19), 18=296 (LC 22), 22=307 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-235/266, 5-6=-105/253, 6-7=-137/283, 7-8=-137/283
WEBS 7-18=-254/40

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-9-0 to 2-0-0, Exterior(2N) 2-0-0 to 10-0-0, Corner(3R) 10-0-0 to 13-0-0, Exterior(2N) 13-0-0 to 20-9-0 zone;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) All plates are 2x4 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 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 30.0psf 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 100 lb uplift at joint (s) 17, 15, 19, 22 except (jt=lb) 2=144, 16=113, 14=165, 20=104, 21=145, 2=144.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) 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	Temms Residence
251198-A	P1	Common	4	1	Job Reference (optional)



Scale = 1:40.9

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

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	0.21	Vert(LL)	-0.03	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.05	6-9	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS		Wind(LL)	0.03	6-9	>999	240	Weight: 90 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

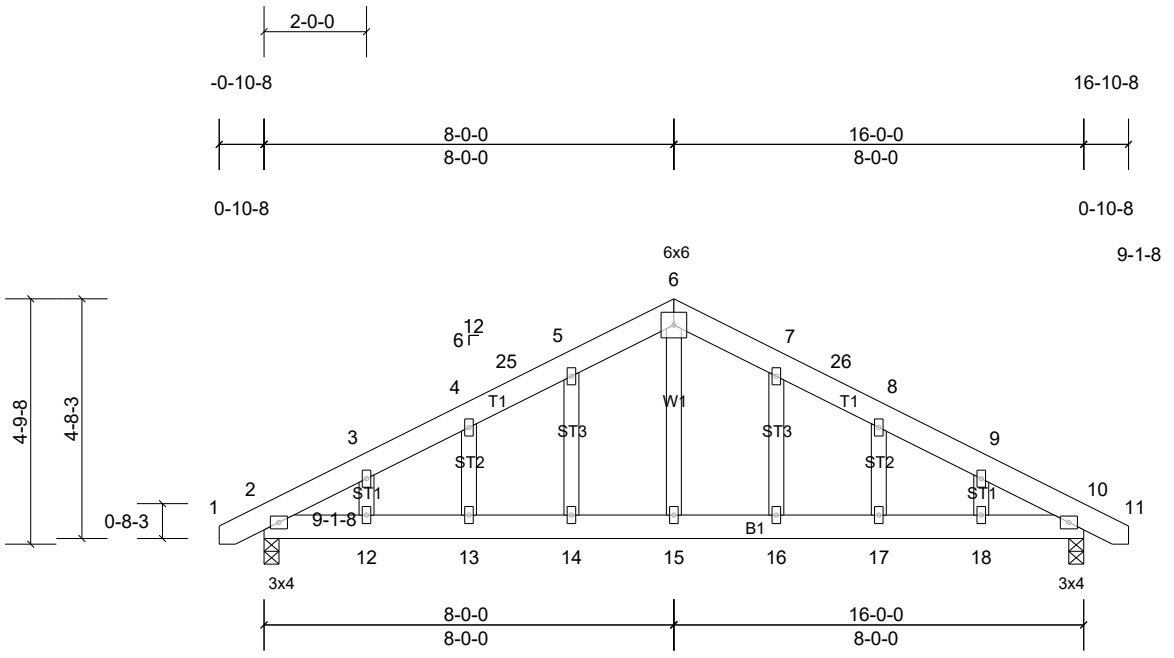
REACTIONS (lb/size) 2=683/0-3-8, (min. 0-1-8), 4=683/0-3-8, (min. 0-1-8)
Max Horiz 2=88 (LC 12)
Max Uplift 2=-151 (LC 12), 4=-151 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-886/310, 13-14=-796/319, 3-14=-767/340, 3-15=-767/341, 15-16=-796/319, 4-16=-886/310
BOT CHORD 2-6=-152/712, 4-6=-152/712
WEBS 3-6=0/354

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-10 to 2-3-6, Interior (1) 2-3-6 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior (1) 11-0-0 to 16-8-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 2 and 151 lb uplift at joint 4.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	P1GE	Common Structural Gable	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	0.16	Vert(LL)	-0.04	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.07	13	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS		Wind(LL)	0.05	13	>999	240	Weight: 106 lb	FT = 25%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

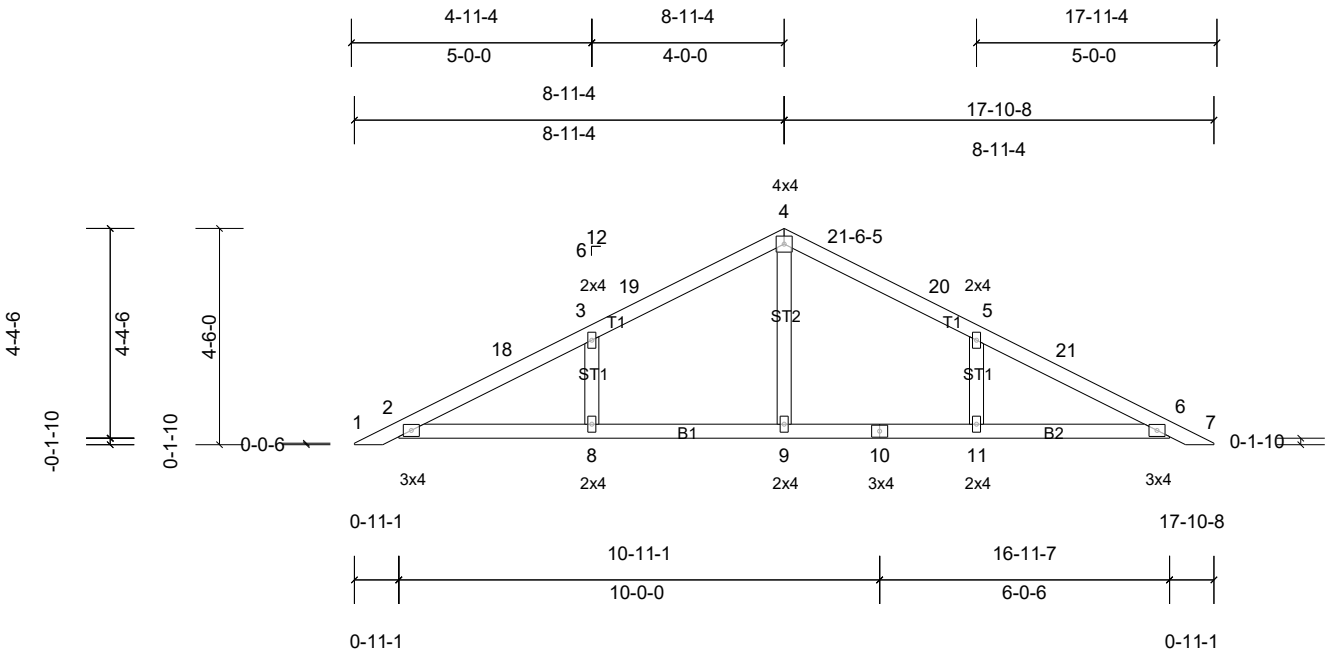
REACTIONS (lb/size) 2=683/0-3-8, (min. 0-1-8), 10=683/0-3-8, (min. 0-1-8)
Max Horiz 2=88 (LC 12)
Max Uplift 2=-151 (LC 12), 10=-151 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-865/275, 3-4=-843/312, 4-25=-815/344, 5-25=-790/352, 5-6=-783/392, 6-7=-783/392, 7-26=-790/352, 8-26=-815/344, 8-9=-843/312, 9-10=-865/275
BOT CHORD 2-12=-166/729, 12-13=-166/729, 13-14=-166/729, 14-15=-166/729, 15-16=-166/729, 16-17=-166/729, 17-18=-166/729, 10-18=-166/729
WEBS 6-15=-143/347

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-10 to 2-0-0, Interior (1) 2-0-0 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior (1) 11-0-0 to 16-8-10 zone;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) All plates are 2x4 (||) MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
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 30.0psf 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 151 lb uplift at joint 2 and 151 lb uplift at joint 10.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	PB1	Piggyback	23	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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 65 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

REACTIONS All bearings 18-0-0.
(lb) - Max Horiz 1=87 (LC 16)
Max Uplift All uplift 100 (lb) or less at joint(s) 6 except 1=-115 (LC 19), 2=-109 (LC 12), 7=-104 (LC 1), 8=-155 (LC 12), 11=-155 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 7 except 2=338 (LC 1), 6=324 (LC 1), 8=348 (LC 25), 9=265 (LC 1), 11=348 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-8=-259/210, 5-11=-259/210

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-4-5 to 3-4-5, Interior (1) 3-4-5 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior (1) 12-0-0 to 17-7-11 zone;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) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 6, 6 except (jt=lb) 1=114, 7=103, 2=108, 8=155, 11=155, 2=108.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) 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	Temms Residence
251198-A	PB1GE	Piggyback	2	1	Job Reference (optional)

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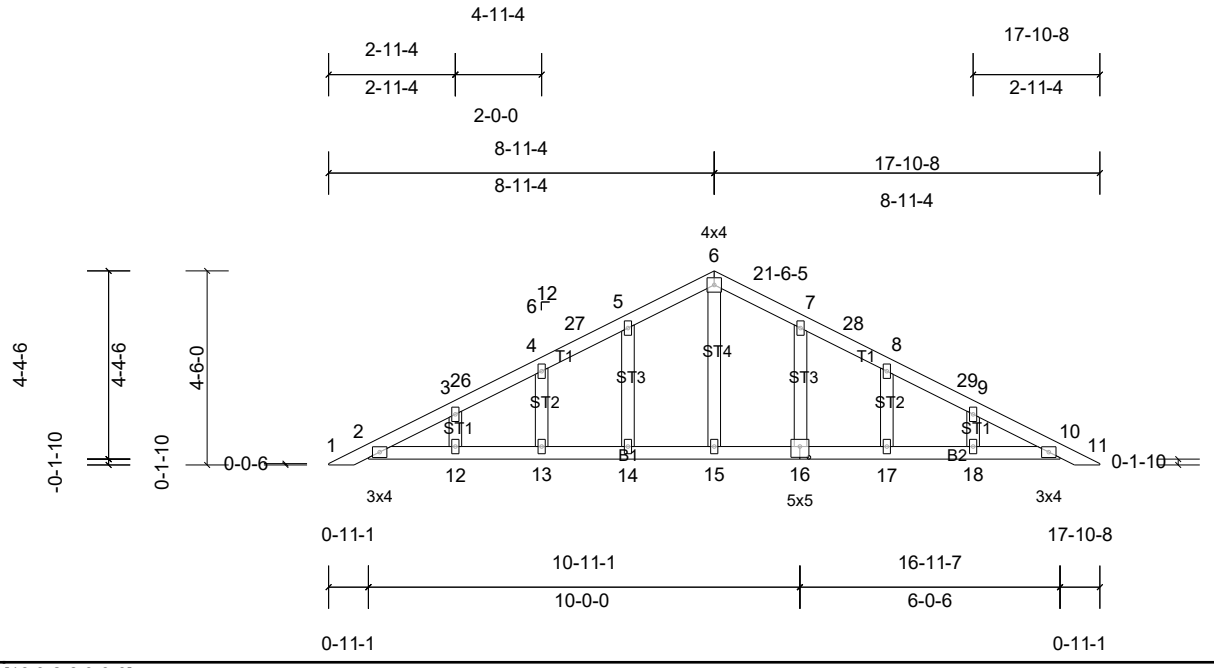

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Plate Offsets (X, Y): [16:0-2-8,0-3-0]

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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 75 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

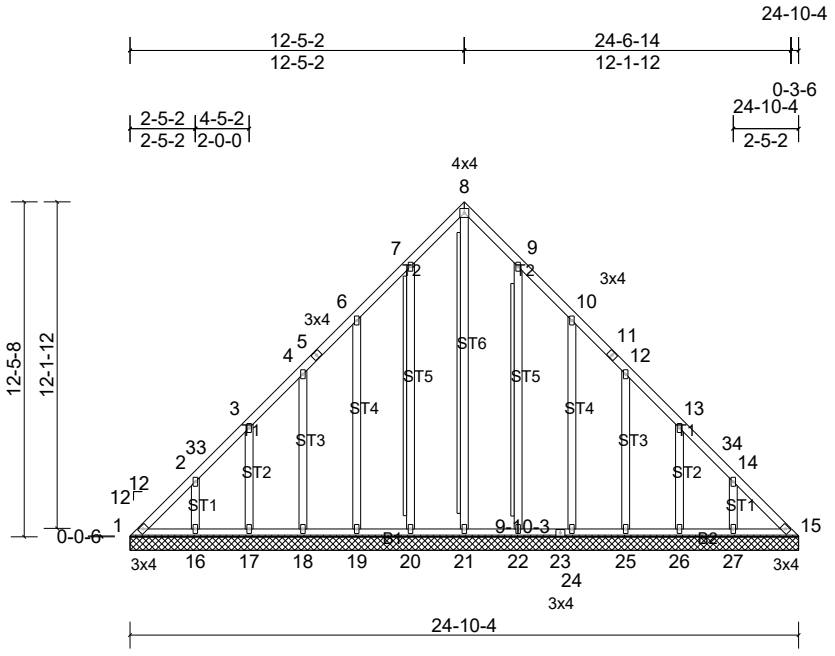
REACTIONS All bearings 16-0-6.
(lb) - Max Horiz 2=87 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 10, 12, 13, 14, 16, 17, 18
Max Grav All reactions 250 (lb) or less at joint (s) 2, 10, 12, 13, 14, 15, 16, 17, 18

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-4-5 to 3-4-5, Interior (1) 3-4-5 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior (1) 12-0-0 to 17-7-11 zone;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) All plates are 2x4 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 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 30.0psf 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 100 lb uplift at joint (s) 2, 14, 13, 12, 16, 17, 18, 10, 2, 10.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) 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	Temms Residence
251198-A	VA1	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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.56	Horiz(TL)	0.01	26	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 193 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2 *Except* O2,O1,O3:2x4 SPF No.2(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 9-10-12 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 8-21, 7-20, 9-22
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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

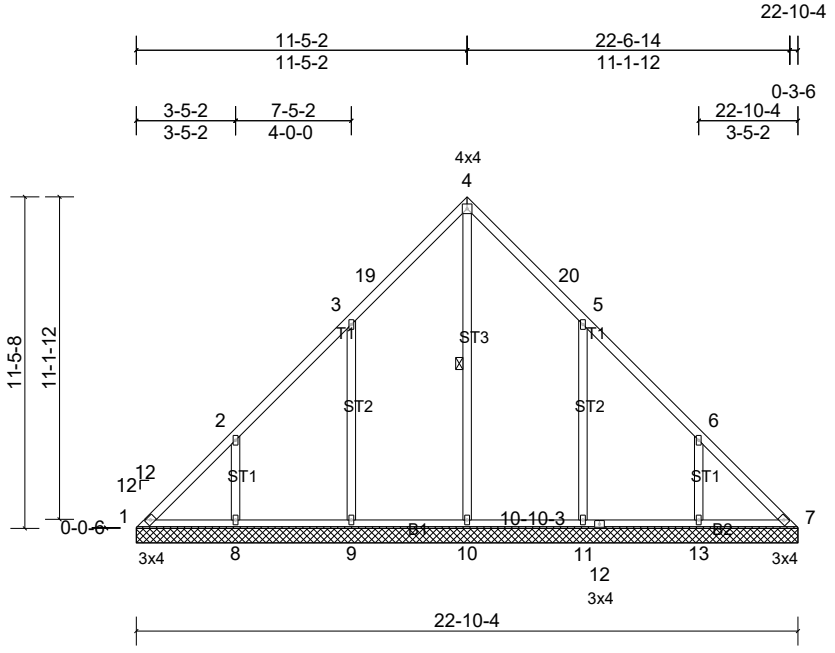
REACTIONS All bearings 24-10-4.
(lb) - Max Horiz 1=-367 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 15, 27 except 1=-245 (LC 10), 16=-137 (LC 12), 17=-141 (LC 12), 18=-138 (LC 12), 19=-151 (LC 12), 20=-121 (LC 12), 21=-108 (LC 11), 22=-102 (LC 13), 24=-164 (LC 13), 25=-111 (LC 13), 26=-240 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 15, 16, 17, 18, 19, 20, 22, 24, 25, 26, 27 except 1=272 (LC 9), 21=711 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-408/470, 2-33=-343/398, 3-33=-335/424, 3-4=-289/387, 4-5=-252/410, 5-6=-236/426, 6-7=-218/513, 7-8=-246/558, 8-9=-246/535, 9-10=-184/427, 10-11=-81/285, 11-12=-106/270
WEBS 8-21=-686/230

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-6 to 3-0-6, Exterior(2N) 3-0-6 to 12-5-8, Corner(3R) 12-5-8 to 15-5-8, Exterior(2N) 15-5-8 to 24-10-10 zone;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) All plates are 2x4 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 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 30.0psf 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 100 lb uplift at joint (s) 15, 27, 15 except (jt=lb) 1=245, 21=107, 20=120, 19=150, 18=137, 17=141, 16=136, 22=101, 24=164, 25=111, 26=240.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA2	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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.36	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 126 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-10

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

REACTIONS All bearings 22-10-4.
(lb) - Max Horiz 1=-337 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 7 except 1=-230 (LC 10), 8=-260 (LC 12), 9=-304 (LC 12), 11=-319 (LC 13), 13=-236 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 7 except 8=360 (LC 19), 9=411 (LC 19), 10=727 (LC 22), 11=404 (LC 20), 13=375 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-356/476, 2-3=-248/427, 3-19=-184/495, 4-19=-153/526, 4-20=-153/482, 5-20=-184/451, 5-6=-26/274
WEBS 4-10=-644/70, 3-9=-334/355, 2-8=-269/291, 5-11=-329/359, 6-13=-278/284

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 11-5-8, Exterior(2R) 11-5-8 to 14-5-8, Interior (1) 14-5-8 to 22-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 (||) MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 1, 304 lb uplift at joint 9, 260 lb uplift at joint 8, 318 lb uplift at joint 11 and 236 lb uplift at joint 13.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA3	Valley	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, user — Run: 25.20 S Jul 24 2025 Print: 25.2.0 S Jul 24 2025 MiTek Industries, Inc. Wed Oct 29 10:53:36 — Page: 1

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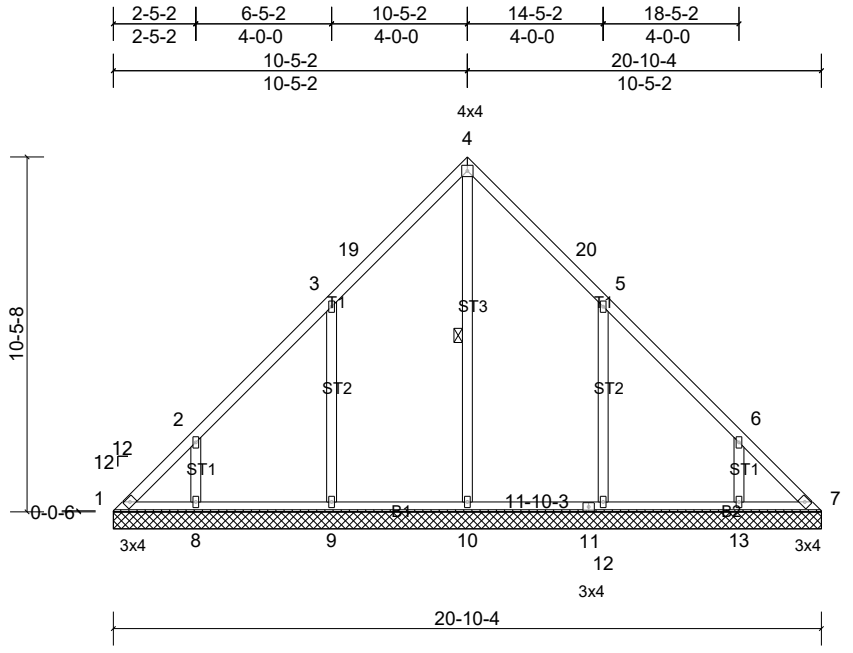


Scale = 1:68.2

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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.25	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 111 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-10

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

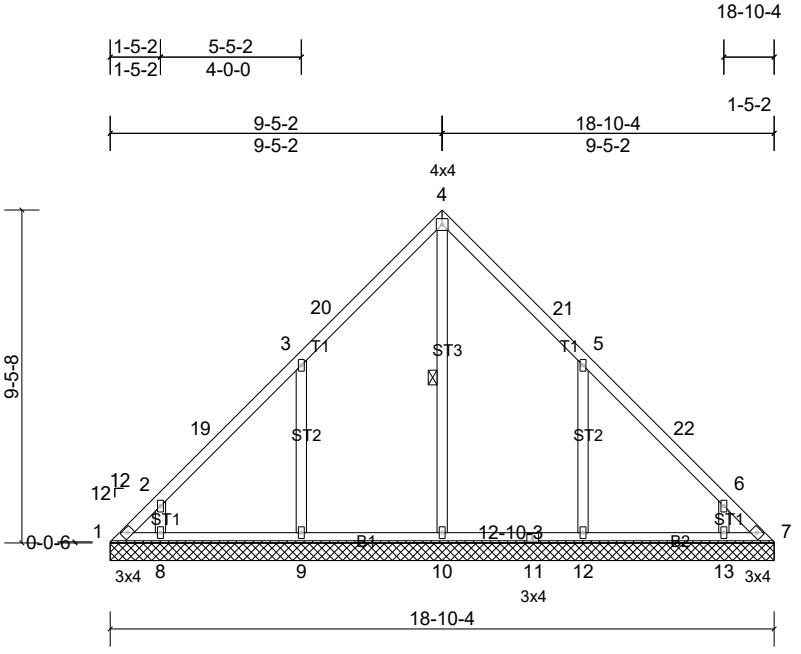
REACTIONS All bearings 20-10-4.
(lb) - Max Horiz 1=307 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 7, 10 except 1=-216 (LC 10), 8=-218 (LC 12), 9=-312 (LC 12), 12=-335 (LC 13), 13=-174 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 7 except 8=309 (LC 19), 9=420 (LC 19), 10=621 (LC 22), 12=415 (LC 20), 13=324 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-352/414, 2-3=-273/361, 3-19=-216/458, 4-19=-185/489, 4-20=-185/445, 5-20=-216/415
WEBS 4-10=-549/108, 3-9=-337/360, 2-8=-242/265, 5-12=-334/368, 6-13=-250/249

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 10-5-8, Exterior(2R) 10-5-8 to 13-5-8, Interior (1) 13-5-8 to 20-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 (||) MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 7, 10, 7 except (jt=lb) 1=215, 9=312, 8=217, 12=334, 13=174.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA4	Valley	1	1	Job Reference (optional)



Scale = 1:65.7

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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	13	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 97 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10

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

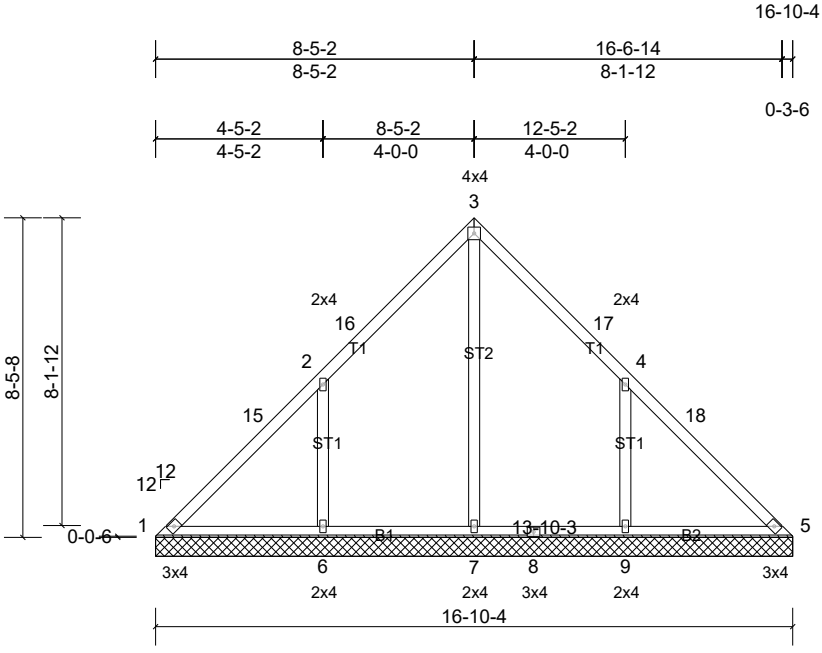
REACTIONS All bearings 18-10-4.
(lb) - Max Horiz 1=-277 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 7, 10, 13 except 1=-197 (LC 10), 8=-188 (LC 12), 9=-314 (LC 12), 12=-352 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 7 except 8=292 (LC 19), 9=419 (LC 19), 10=491 (LC 13), 12=427 (LC 20), 13=289 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-353/335, 2-19=-293/268, 3-19=-242/289, 3-20=-244/377, 4-20=-213/408, 4-21=-214/365, 5-21=-245/334
WEBS 4-10=-436/139, 3-9=-335/359, 2-8=-254/284, 5-12=-337/374

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 9-5-8, Exterior(2R) 9-5-8 to 12-5-8, Interior (1) 12-5-8 to 18-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 (||) MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 7, 10, 13, 7 except (jt=lb) 1=197, 9=313, 8=187, 12=351.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA5	Valley	1	1	Job Reference (optional)



Scale = 1:61.2

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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.61	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 82 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

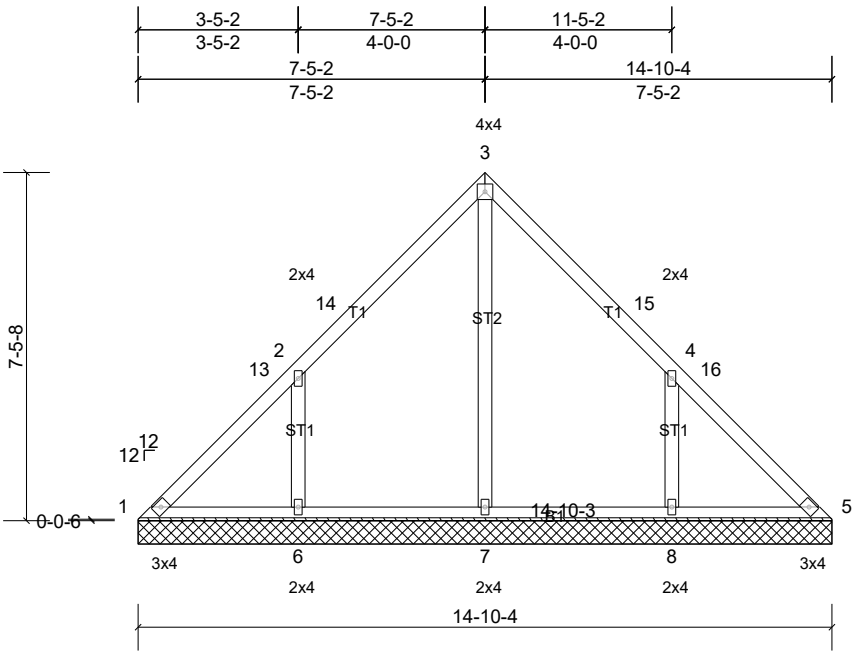
REACTIONS All bearings 16-10-4.
(lb) - Max Horiz 1=-247 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 5 except 1=-135 (LC 10), 6=-342 (LC 12), 9=-333 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=465 (LC 19), 7=603 (LC 22), 9=466 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-202/362, 2-15=-173/443, 2-16=-60/275, 3-16=-18/365, 3-17=0/330, 4-18=-31/312
WEBS 3-7=-534/0, 2-6=-349/363, 4-9=-350/360

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 8-5-8, Exterior(2R) 8-5-8 to 11-5-8, Interior (1) 11-5-8 to 16-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 5, 5 except (jt=lb) 1=135, 6=342, 9=332.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA6	Valley	1	1	Job Reference (optional)



Scale = 1:49.5

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.19	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 71 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

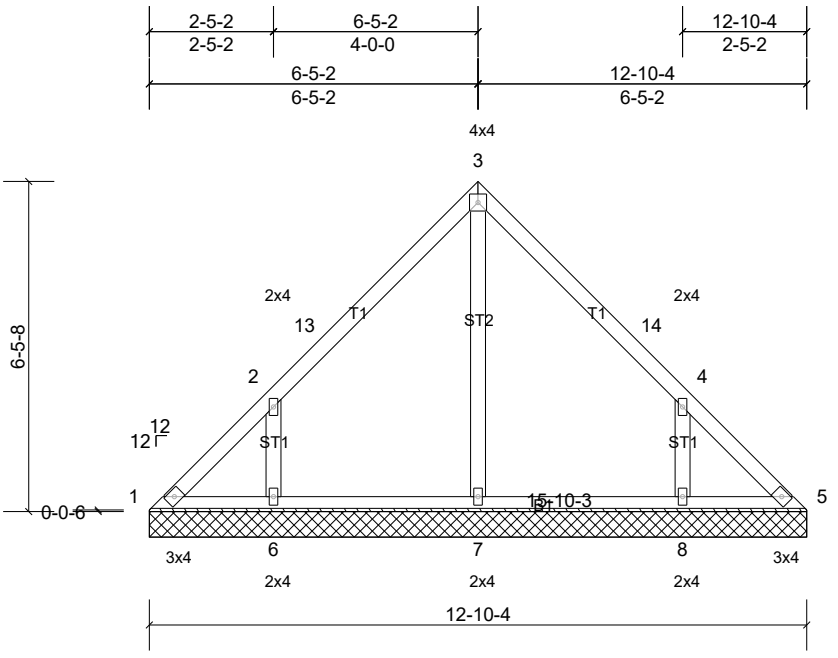
REACTIONS All bearings 14-10-4.
(lb) - Max Horiz 1=-217 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-286 (LC 12), 8=-280 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=412 (LC 19), 7=286 (LC 1), 8=406 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-312/318, 4-8=-309/315

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 7-5-8, Exterior(2R) 7-5-8 to 10-5-8, Interior (1) 10-5-8 to 14-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 5 except (jt=lb) 6=286, 8=280.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA7	Valley	1	1	Job Reference (optional)



Scale = 1:45.3

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 59 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

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

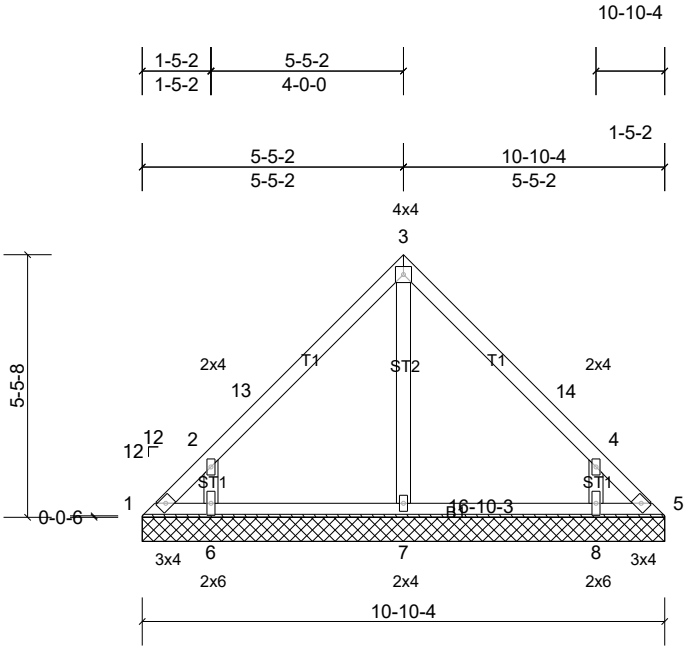
REACTIONS All bearings 12-10-4.
(lb) - Max Horiz 1=-187 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-260 (LC 12), 8=-254 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5, 7 except 6=372 (LC 19), 8=365 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-299/338, 4-8=-297/337

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 6-5-8, Exterior(2R) 6-5-8 to 9-5-8, Interior (1) 9-5-8 to 12-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 5 except (jt=lb) 6=259, 8=253.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA8	Valley	1	1	Job Reference (optional)



Scale = 1:48.1

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
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 48 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

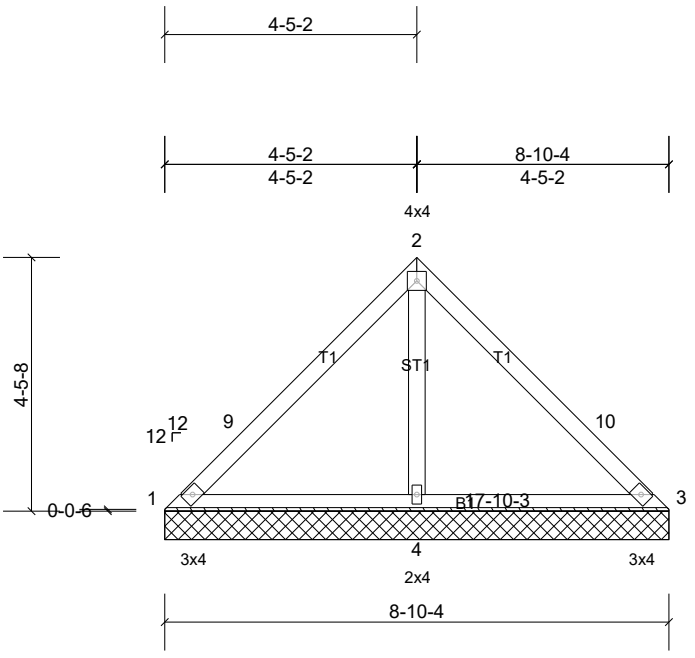
REACTIONS All bearings 10-10-4.
(lb) - Max Horiz 1=-157 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-250 (LC 12), 8=-242 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5, 7 except 6=362 (LC 19), 8=353 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-348/459, 4-8=-348/458

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 5-5-8, Exterior(2R) 5-5-8 to 8-5-8, Interior (1) 8-5-8 to 10-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 5 except (jt=lb) 6=249, 8=241.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA9	Valley	1	1	Job Reference (optional)



Scale = 1:40.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 36 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

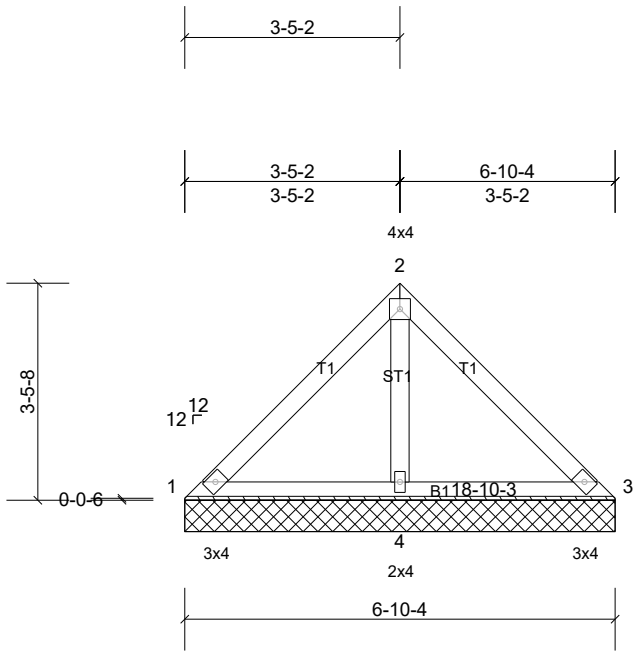
REACTIONS (lb/size) 1=37/8-10-4, (min. 0-1-8), 3=37/8-10-4, (min. 0-1-8), 4=635/8-10-4, (min. 0-1-8)
Max Horiz 1=127 (LC 9)
Max Uplift 1=-17 (LC 26), 3=-17 (LC 25), 4=-230 (LC 12)
Max Grav 1=71 (LC 25), 3=71 (LC 26), 4=635 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-210/256
BOT CHORD 1-4=-244/313, 3-4=-244/313
WEBS 2-4=-495/447

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 4-5-8, Exterior(2R) 4-5-8 to 7-5-8, Interior (1) 7-5-8 to 8-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 17 lb uplift at joint 3 and 230 lb uplift at joint 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA10	Valley	1	1	Job Reference (optional)



Scale = 1:36.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 28 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-10-4 oc purlins.
BOT CHORD Structural wood sheathing 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.

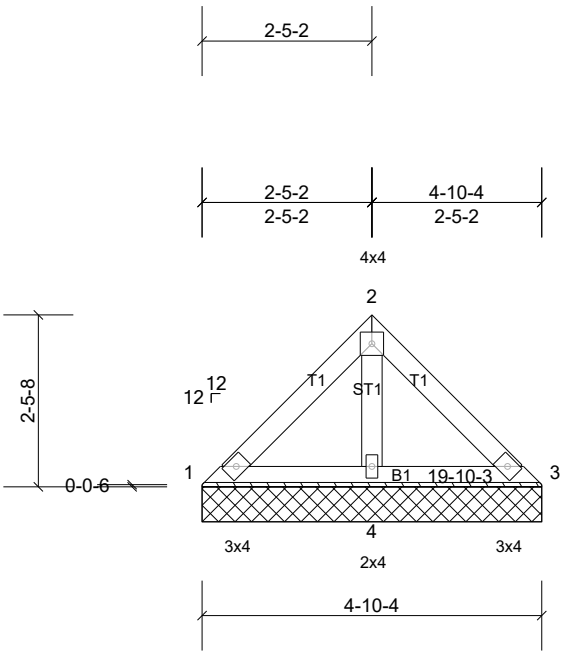
REACTIONS (lb/size) 1=50/6-10-4, (min. 0-1-8), 3=50/6-10-4, (min. 0-1-8), 4=449/6-10-4, (min. 0-1-8)
Max Horiz 1=97 (LC 9)
Max Uplift 4=-148 (LC 12)
Max Grav 1=71 (LC 25), 3=71 (LC 26), 4=449 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 1-4=-169/251, 3-4=-169/251
WEBS 2-4=-329/329

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 3-5-8, Exterior(2R) 3-5-8 to 6-2-9, Interior (1) 6-2-9 to 6-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA11	Valley	1	1	Job Reference (optional)



Scale = 1:33.1

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	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 19 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-4 oc purlins.
BOT CHORD Structural wood sheathing 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.

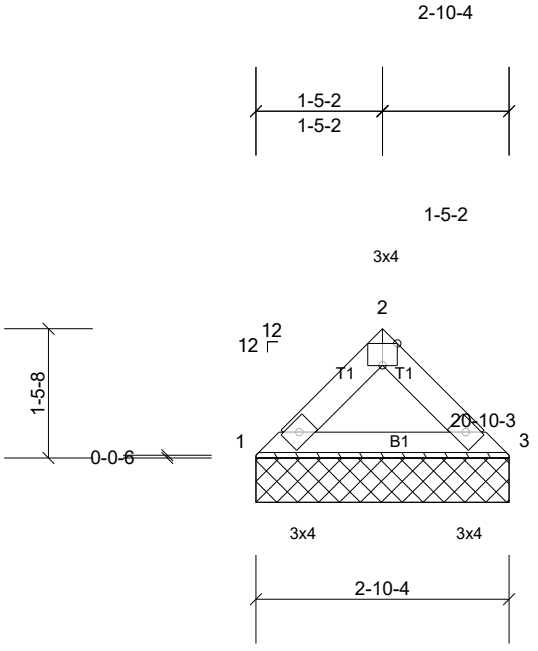
REACTIONS (lb/size) 1=54/4-10-4, (min. 0-1-8), 3=54/4-10-4, (min. 0-1-8), 4=281/4-10-4, (min. 0-1-8)
Max Horiz 1=68 (LC 9)
Max Uplift 1=-2 (LC 13), 3=-5 (LC 13), 4=-79 (LC 12)
Max Grav 1=64 (LC 25), 3=64 (LC 26), 4=281 (LC 1)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 1, 5 lb uplift at joint 3 and 79 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VA12	Valley	1	1	Job Reference (optional)



Scale = 1:26.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 9 lb	FT = 25%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-4 oc purlins.
BOT CHORD Structural wood sheathing 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.

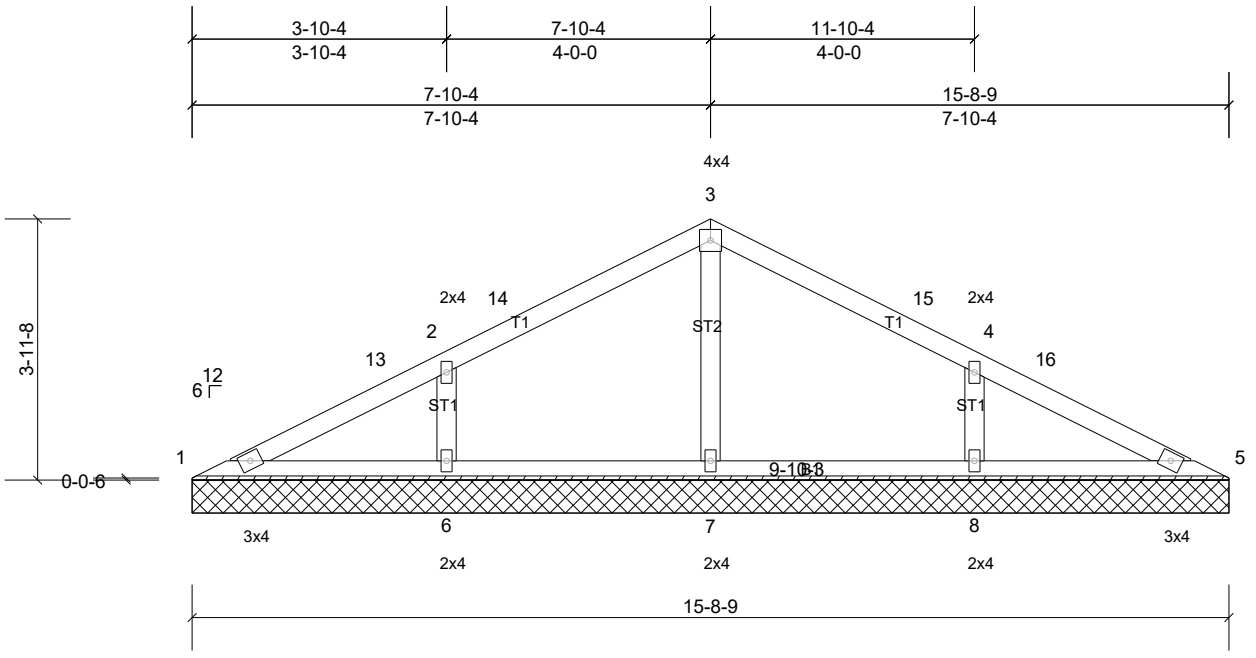
REACTIONS (lb/size) 1=114/2-10-4, (min. 0-1-8), 3=114/2-10-4, (min. 0-1-8)
Max Horiz 1=-38 (LC 8)
Max Uplift 1=-20 (LC 12), 3=-20 (LC 13)

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 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 0.0psf on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 1 and 20 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VP1	Valley	1	1	Job Reference (optional)



Scale = 1:35.1

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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 57 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

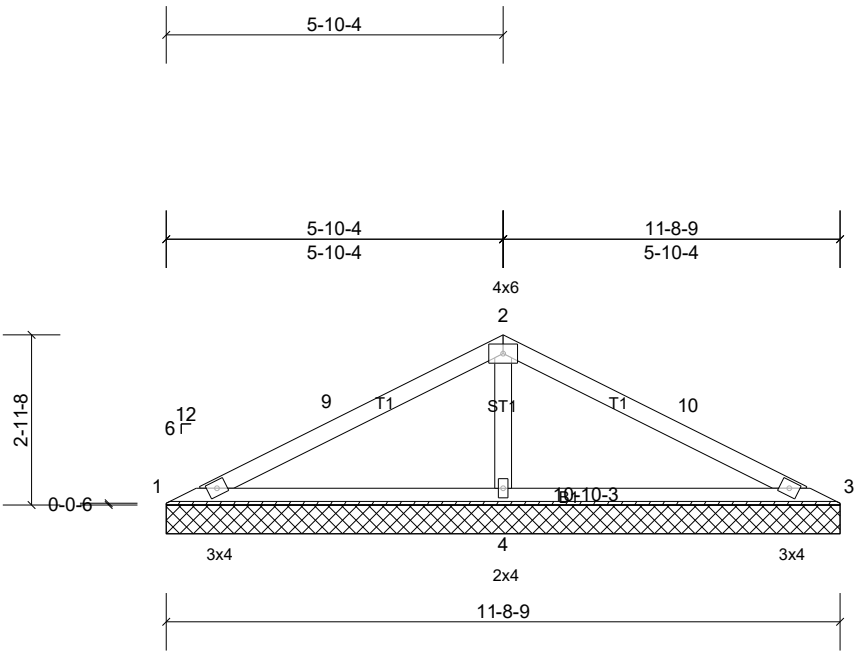
REACTIONS All bearings 15-8-9.
(lb) - Max Horiz 1=-77 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 7 except 6=-157 (LC 12), 8=-155 (LC 13)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=365 (LC 25), 7=350 (LC 1), 8=365 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-280/105, 2-6=-262/219, 4-8=-262/219

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 7-11-0, Exterior(2R) 7-11-0 to 10-11-0, Interior (1) 10-11-0 to 15-9-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 5, 7 except (jt=lb) 6=156, 8=155.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VP2	Valley	1	1	Job Reference (optional)



Scale = 1:40.2

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	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 38 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

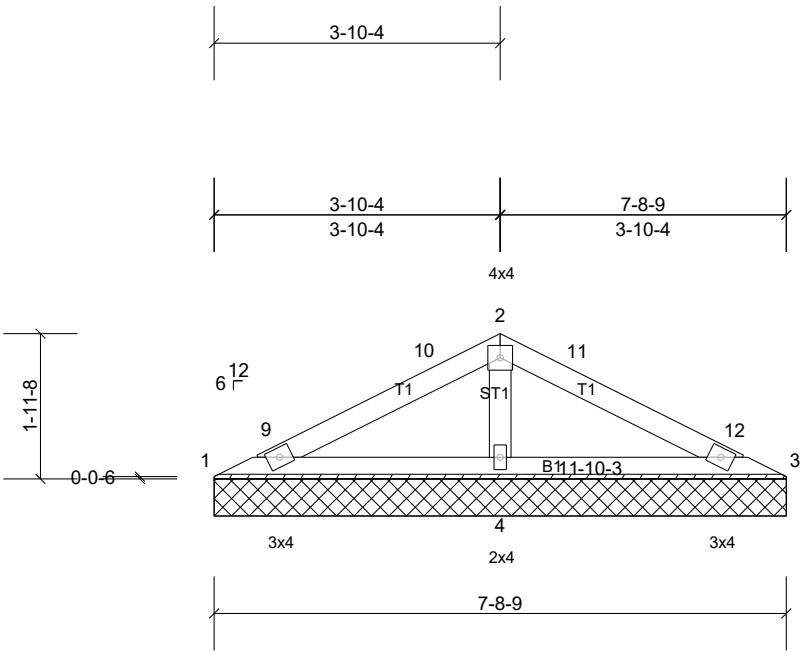
REACTIONS (lb/size) 1=46/11-8-9, (min. 0-1-8), 3=46/11-8-9, (min. 0-1-8), 4=845/11-8-9, (min. 0-1-8)
Max Horiz 1=-57 (LC 13)
Max Uplift 1=-24 (LC 26), 3=-29 (LC 13), 4=-162 (LC 12)
Max Grav 1=93 (LC 25), 3=93 (LC 26), 4=845 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-202/356, 2-9=-190/433, 2-10=-185/433, 3-10=-197/353
BOT CHORD 1-4=-320/257, 3-4=-320/257
WEBS 2-4=-657/426

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 5-11-0, Exterior(2R) 5-11-0 to 8-11-0, Interior (1) 8-11-0 to 11-9-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 1, 29 lb uplift at joint 3 and 162 lb uplift at joint 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VP3	Valley	1	1	Job Reference (optional)



Scale = 1:31.2

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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 24 lb	FT = 25%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

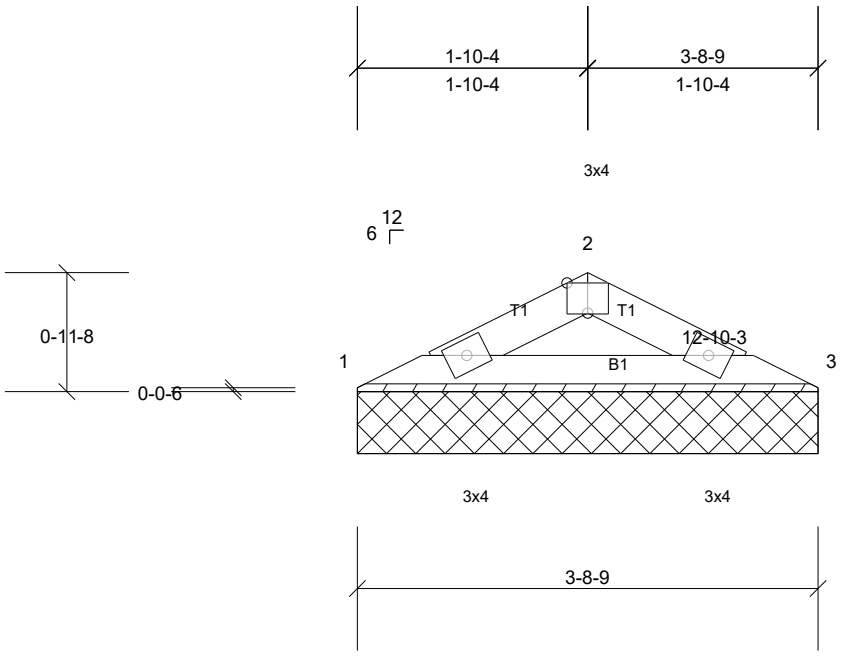
REACTIONS (lb/size) 1=57/7-8-9, (min. 0-1-8), 3=57/7-8-9, (min. 0-1-8), 4=503/7-8-9, (min. 0-1-8)
Max Horiz 1=-36 (LC 13)
Max Uplift 1=-17 (LC 12), 3=-25 (LC 13), 4=-94 (LC 12)
Max Grav 1=81 (LC 25), 3=81 (LC 26), 4=503 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-346/295

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 3-11-0, Exterior(2R) 3-11-0 to 6-11-0, Interior (1) 6-11-0 to 7-9-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 25 lb uplift at joint 3 and 94 lb uplift at joint 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Temms Residence
251198-A	VP4	Valley	1	1	Job Reference (optional)



Scale = 1:18.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 10 lb	FT = 25%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-9 oc purlins.
BOT CHORD Structural wood sheathing 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=148/3-8-9, (min. 0-1-8), 3=148/3-8-9, (min. 0-1-8)
Max Horiz 1=16 (LC 16)
Max Uplift 1=-31 (LC 12), 3=-31 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-250/211

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1 and 31 lb uplift at joint 3.

LOAD CASE(S) Standard