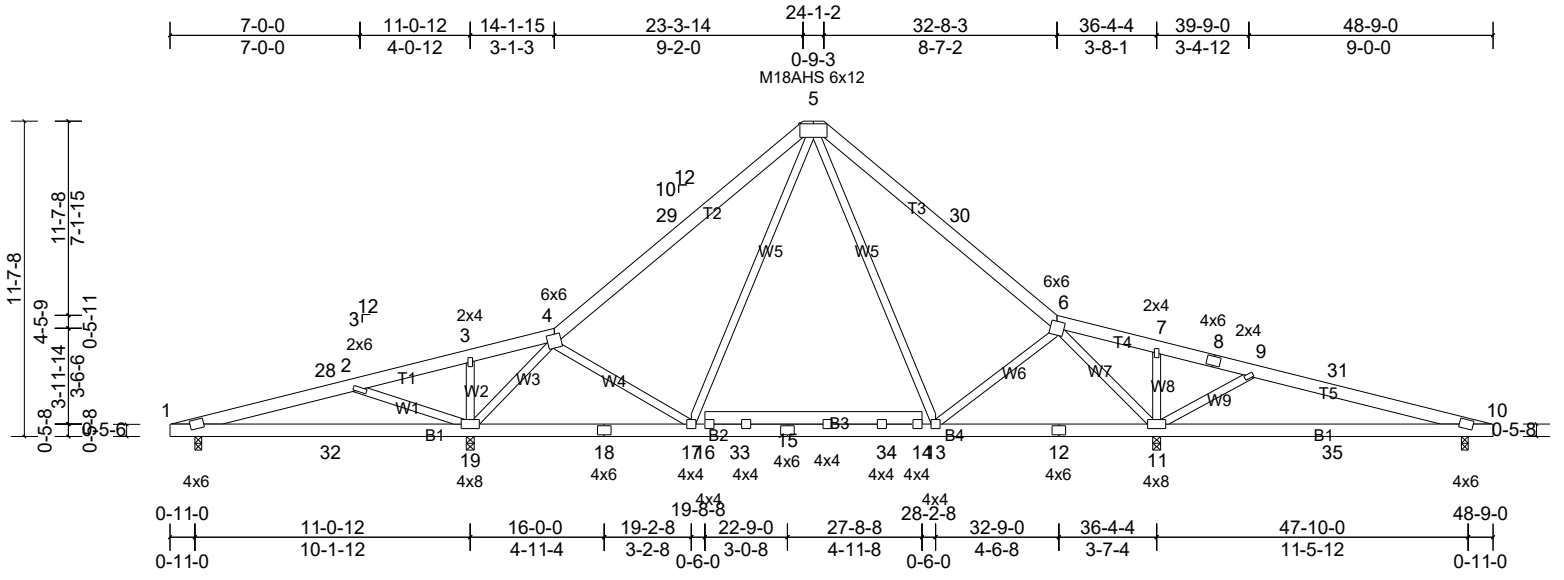
Job	Truss	Truss Type	Qty	Ply	
B1124-6094	A1	Roof Special	5	1	Job Reference (optional)



Scale = 1:85.3

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	0.45	Vert(LL)	0.29	11-25	>507	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	0.25	11-25	>592	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 348 lb	FT = 20%

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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-8 oc bracing.

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. except 1=0-3-0, 10=0-3-0
(lb) - Max Horiz 1=-179 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-237 (LC 6), 10=-254 (LC 7), 11=-257 (LC 11), 19=-273 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) except 1=304 (LC 25), 10=398 (LC 26), 11=1687 (LC 2), 19=1691 (LC 2)

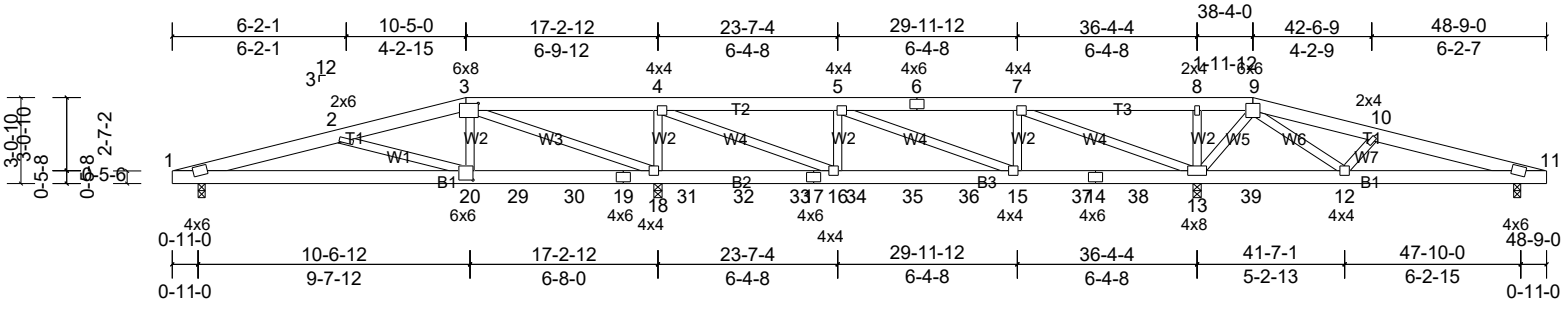
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-28=-247/577, 2-28=-192/589, 2-3=-209/503, 3-4=-188/536, 4-29=-1007/443, 5-29=-860/480, 5-30=-856/521, 6-30=-985/485, 6-7=-89/378, 7-8=-98/335, 8-9=-106/295, 9-31=-297/734, 10-31=-345/717
BOT CHORD 1-32=-552/232, 19-32=-552/232, 18-19=-205/669, 17-18=-205/669, 16-17=0/633, 16-33=0/621, 15-33=0/628, 15-34=0/634, 14-34=0/627, 13-14=0/633, 12-13=-296/645, 11-12=-296/645, 11-35=-670/311, 10-35=-670/311
WEBS 9-11=-624/782, 2-19=-608/831, 4-19=-1468/653, 6-11=-1362/443, 5-17=-28/323, 4-17=-8/310, 5-13=-93/351, 6-13=-83/430

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-8 to 5-11-0, Interior (1) 5-11-0 to 18-10-0, Exterior(2R) 18-10-0 to 28-7-0, Interior (1) 28-7-0 to 42-10-0, Exterior(2E) 42-10-0 to 47-8-8 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 256 lb uplift at joint 11, 273 lb uplift at joint 19, 236 lb uplift at joint 1 and 254 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	A2	Hip Girder	1	**2**	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:nBeQ2QmsNamP1WD9uQqjmAyKEwb-NpB_WQy5it2t2BEvRkXe1Pd40yASrFreWz6dLQyKCY0



Scale = 1:82.1

Plate Offsets (X, Y): [3:0-5-4,0-3-0], [20:0-3-0,0-4-0]

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	0.27	Vert(LL)	0.10	18-20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.12	18-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 606 lb	FT = 20%

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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-18,12-13.

REACTIONS All bearings 0-3-8. except 1=0-3-0, 11=0-3-0
(lb) - Max Horiz 1=33 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-597 (LC 4), 11=-220 (LC 5), 13=-1308 (LC 5), 18=-1708 (LC 4)
Max Grav All reactions 250 (lb) or less at joint(s) except 1=1076 (LC 1), 11=328 (LC 1), 13=3165 (LC 22), 18=3915 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2852/1573, 2-3=-2628/1519, 3-4=-548/1427, 4-5=-453/205, 5-6=-606/151, 6-7=-606/151, 7-8=-421/1182, 8-9=-421/1182, 9-10=-422/415, 10-11=-579/441
BOT CHORD 1-20=-1505/2711, 20-29=-1490/2637, 29-30=-1490/2637, 19-30=-1490/2637, 18-19=-1490/2637, 18-31=-1427/610, 31-32=-1427/610, 32-33=-1427/610, 17-33=-1427/610, 16-17=-1427/610, 16-34=-117/453, 34-35=-117/453, 35-36=-117/453, 15-36=-117/453, 15-37=-88/606, 14-37=-88/606, 14-38=-88/606, 13-38=-88/606, 13-39=-607/216, 12-39=-607/216, 11-12=-391/529
WEBS 4-18=-1264/414, 8-13=-393/151, 5-16=-398/171, 4-16=-511/1981, 7-15=-13/332, 7-13=-1871/463, 3-18=-4345/2247, 3-20=-1035/1872, 2-20=-292/390, 9-13=-955/484, 9-12=-699/1250

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) Plates checked for a plus or minus 1 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1707 lb uplift at joint 18, 1308 lb uplift at joint 13, 597 lb uplift at joint 1 and 219 lb uplift at joint 11.

Continued on page 2

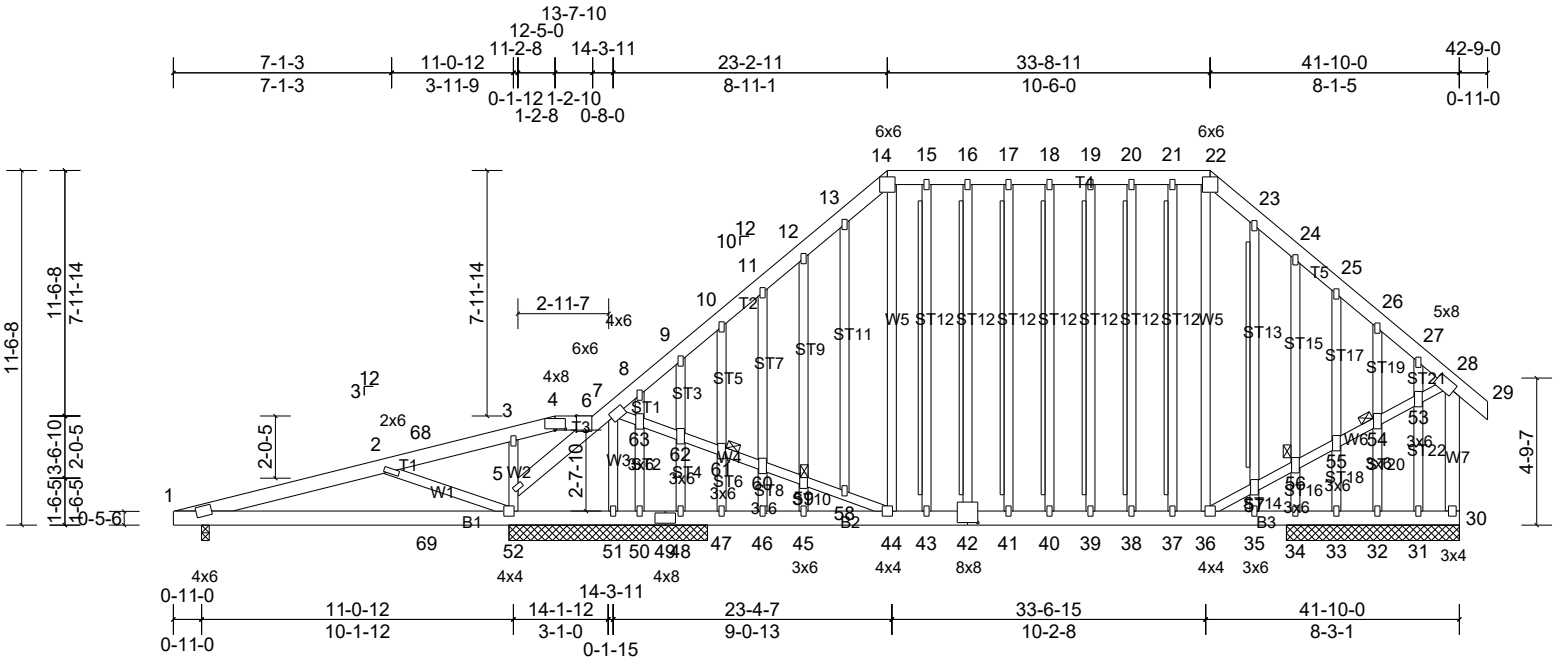
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1258 lb down and 731 lb up at 10-5-0, 354 lb down and 206 lb up at 12-3-4, 354 lb down and 206 lb up at 14-3-4, 354 lb down and 206 lb up at 16-3-4, 109 lb down and 48 lb up at 18-3-4, 109 lb down and 48 lb up at 20-3-4, 109 lb down and 48 lb up at 22-3-4, 109 lb down and 48 lb up at 24-3-4, 109 lb down and 48 lb up at 26-3-4, 109 lb down and 48 lb up at 28-3-4, 109 lb down and 48 lb up at 30-3-4, 109 lb down and 48 lb up at 32-3-4, 109 lb down and 48 lb up at 34-3-4, and 109 lb down and 48 lb up at 36-3-4, and 1258 lb down and 731 lb up at 38-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 3-23=-60, 3-9=-60, 9-27=-60, 1-11=-20
   Concentrated Loads (lb)
   Vert: 19=-354 (B), 13=-109 (B), 15=-109 (B), 20=-1258 (B), 29=-354 (B), 30=-354 (B), 31=-109 (B), 32=-109 (B), 33=-109 (B), 34=-109 (B), 35=-109 (B), 36=-109 (B), 37=-109 (B), 38=-109 (B), 39=-1258 (B)

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	B1-GE	Piggyback Base Structural Gable	1	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:bJ2pNdH0lsshQESzKzlk56yKEXP-NpB_WQy5it2t2BEvRkXe1Pd51yCwrNReWz6dLQyKCY0



Scale = 1:75.3

Plate Offsets (X, Y): [4:0-4-0,0-0-8], [42:0-4-0,0-4-8]

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	0.20	Vert(LL)	0.10	52-65	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.14	40-41	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	-0.01	30	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 523 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except* W7:2x6 SP No.1
OTHERS	2x4 SP No.2 *Except* O2,O1:2x4 SPF No.2(flat)

REACTIONS All bearings 5-7-8. except 51=6-5-8, 52=6-5-8, 48=6-5-8, 50=6-5-8, 1=0-3-0
(lb) - Max Horiz 1=485 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 31 except 1=-346 (LC 6), 30=-306 (LC 7), 32=-114 (LC 11), 33=-168 (LC 10), 34=-267 (LC 8), 48=-627 (LC 10), 50=-412 (LC 8), 51=-120 (LC 10), 52=-484 (LC 6)
Max Grav All reactions 250 (lb) or less at joint(s) 31, 32, 33 except 1=353 (LC 1), 30=825 (LC 1), 34=329 (LC 7), 48=834 (LC 17), 50=293 (LC 10), 51=657 (LC 23), 52=704 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 23-57, 21-37, 20-38, 19-39, 18-40, 17-41, 16-42, 15-43 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.
JOINTS	1 Brace at Jt(s): 54, 56, 59, 61

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

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

TOP CHORD 1-2=-432/593, 2-68=-353/323, 3-68=-349/363, 3-4=-307/348, 4-6=-300/348, 6-7=-316/366, 7-8=-610/371, 8-9=-706/383, 9-10=-758/310, 10-11=-747/294, 11-12=-709/316, 12-13=-719/389, 13-14=-627/403, 14-15=-535/385, 15-16=-535/385, 16-17=-535/385, 17-18=-535/385, 18-19=-535/385, 19-20=-535/385, 20-21=-535/385, 21-22=-535/385, 22-23=-652/426, 23-24=-694/384, 24-25=-718/313, 25-26=-725/274, 26-27=-731/276, 27-28=-710/266, 28-30=-810/275

BOT CHORD 1-69=-325/371, 52-69=-324/371, 43-44=-297/535, 42-43=-297/535, 41-42=-297/535, 40-41=-297/535, 39-40=-297/535, 38-39=-297/535, 37-38=-297/535, 36-37=-297/535

WEBS 7-51=-677/150, 36-57=-294/642, 56-57=-265/593, 55-56=-284/611, 54-55=-276/606, 53-54=-279/611, 28-53=-274/600, 7-63=-302/755, 62-63=-284/720, 61-62=-290/729, 60-61=-290/729, 59-60=-284/718, 58-59=-291/726, 44-58=-297/752, 5-52=-290/208, 2-52=-569/413, 9-62=-255/233, 48-62=-313/282

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-0-8 to 5-2-9, Interior (1) 5-2-9 to 8-2-15, Exterior(2R) 8-2-15 to 12-5-0, Exterior(2E) 12-5-0 to 13-8-10, Interior (1) 13-8-10 to 19-0-10, Exterior(2R) 19-0-10 to 27-2-0, Interior (1) 27-2-0 to 29-6-10, Exterior(2R) 29-6-10 to 37-10-0, Interior (1) 37-10-0 to 38-6-15, Exterior(2E) 38-6-15 to 42-9-0 zone; cantilever left exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Plates checked for a plus or minus 1 degree rotation about its center.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

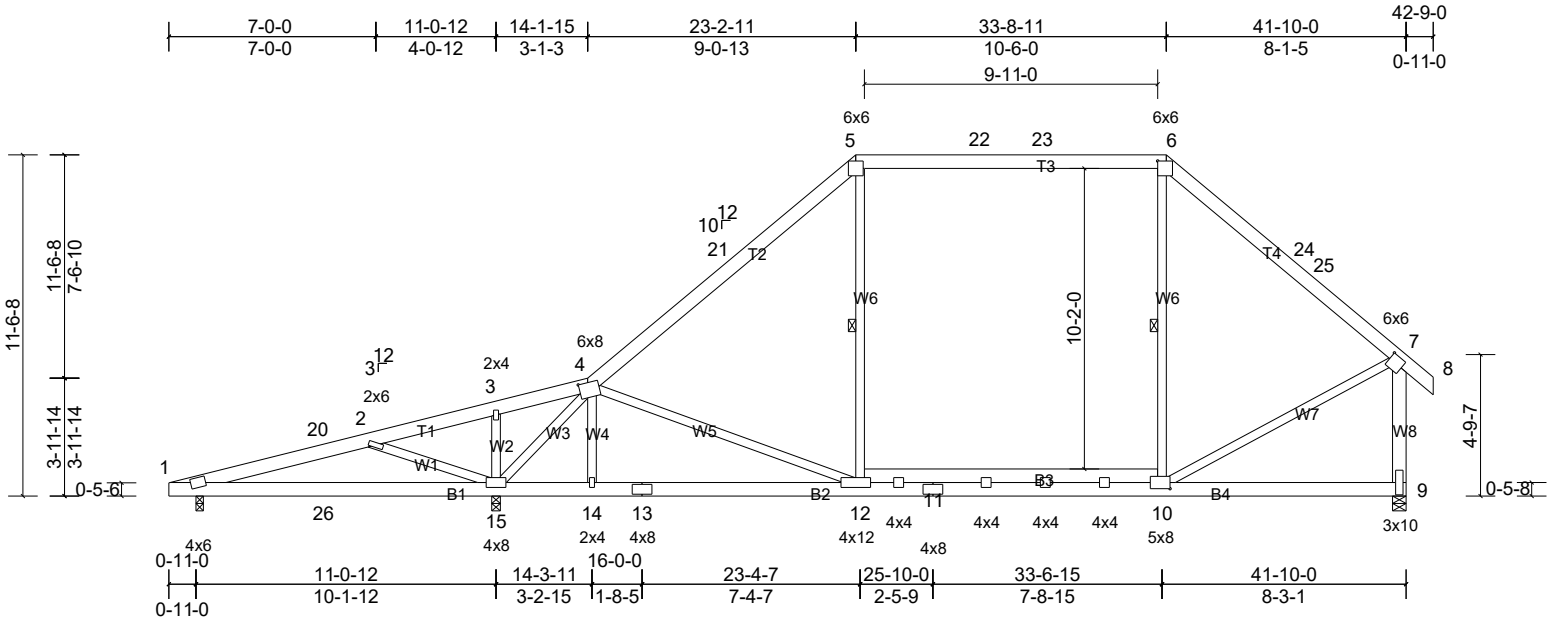
Continued on page 2

9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31 except (jt=lb) 30=305, 51=120, 52=483, 32=114, 33=167, 34=266, 48=626, 50=411, 1=346.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) 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	
B1124-6094	B2	Piggyback Base	6	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:?hPa75Vh_dWftSnxRIlcZkyKFIB-NpB_WQy5it2t2BEvRkXe1Pd0ryBSrDheWz6dLQyKCY0



Scale = 1:78.2

Plate Offsets (X, Y): [4:0-3-0,0-3-12], [6:0-3-8,0-3-0], [7:0-1-8,0-3-0], [10:0-1-8,0-2-8]

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	0.53	Vert(LL)	-0.16	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.26	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	-0.01	15	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 325 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W8:2x6 SP No.1

REACTIONS (lb/size) 1=37/0-3-0, (min. 0-1-8), 9=1165/0-5-8, (min. 0-1-9), 15=2132/0-3-8, (min. 0-2-13)
Max Horiz 1=382 (LC 9)
Max Uplift 1=-414 (LC 6), 9=-141 (LC 11), 15=-498 (LC 7)
Max Grav 1=102 (LC 14), 9=1303 (LC 2), 15=2407 (LC 25)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 10-12.
WEBS 1 Row at midpt 5-12, 6-10

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

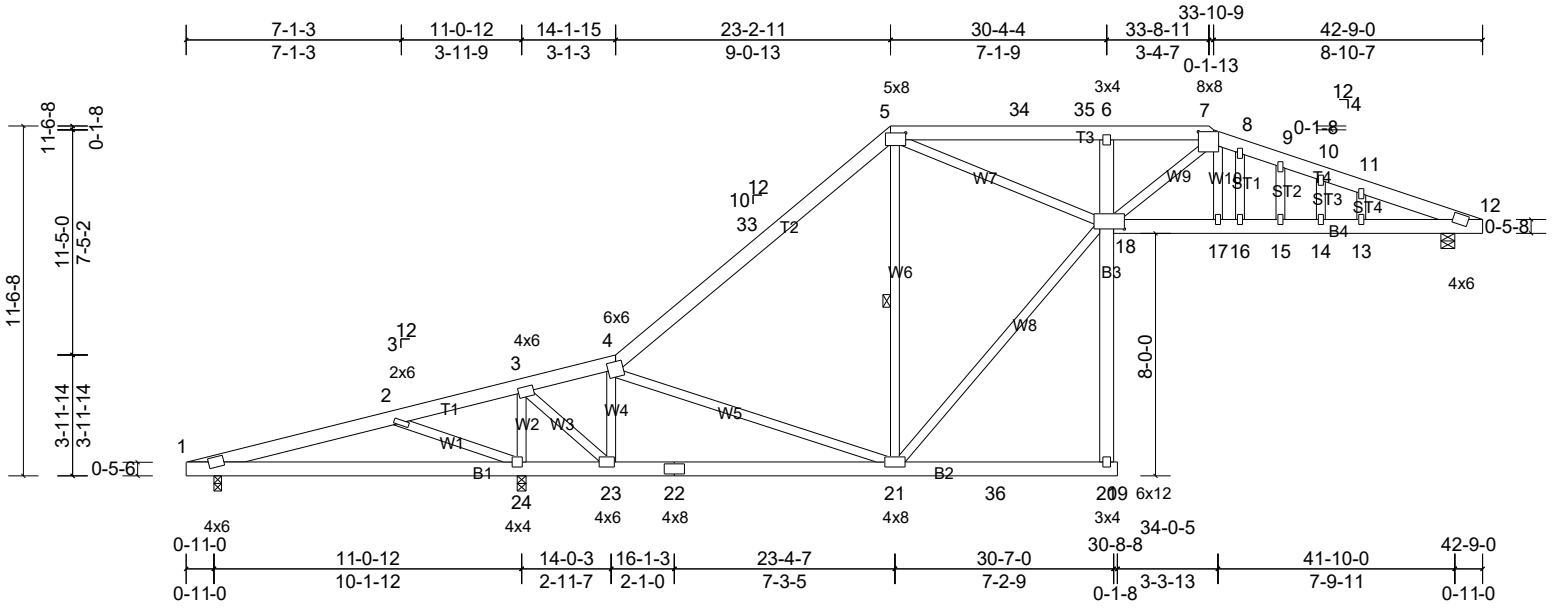
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-585/1461, 2-20=-573/1513, 2-3=-805/1988, 3-4=-794/2023, 4-21=-1150/583, 5-21=-994/616, 5-22=-747/674, 22-23=-747/674, 6-23=-747/674, 6-24=-943/645, 24-25=-948/613, 7-25=-1062/608, 7-9=-1229/697
BOT CHORD 1-26=-1264/215, 15-26=-1264/215, 14-15=-177/283, 13-14=-171/287, 12-13=-171/287, 11-12=-87/715, 10-11=-80/727
WEBS 4-14=0/276, 4-12=-341/827, 5-12=-151/288, 6-10=-84/265, 7-10=-92/792, 4-15=-2527/691, 2-15=-725/788

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-8 to 5-2-11, Interior (1) 5-2-11 to 19-0-8, Exterior(2R) 19-0-8 to 27-4-15, Interior (1) 27-4-15 to 29-6-8, Exterior(2R) 29-6-8 to 37-10-15, Interior (1) 37-10-15 to 38-6-13, Exterior (2E) 38-6-13 to 42-9-0 zone; cantilever left exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 9, 498 lb uplift at joint 15 and 414 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	B3-GE	Piggyback Base	1	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:PdlOG1cmStkqci1SfkxvL6yKElB-NpB_WQy5it2t2BEvRkXe1Pd2xy9?rHWeWz6dLQyKCY0



Scale = 1:76.3

Plate Offsets (X, Y): [5:0-6-0,0-2-12], [7:0-6-0,0-3-4], [18:0-4-4,0-3-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	0.13	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.24	19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.13	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 329 lb	FT = 20%

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 or 4-6-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 18-20
WEBS	1 Row at midpt 5-21

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

REACTIONS (lb/size) 1=108/0-3-0, (min. 0-1-8), 12=1147/0-5-8, (min. 0-1-8), 24=2040/0-3-8, (min. 0-2-9)
Max Horiz 1=504 (LC 10)
Max Uplift 1=-244 (LC 6), 12=-394 (LC 7), 24=-680 (LC 10)
Max Grav 1=126 (LC 23), 12=1246 (LC 2), 24=2197 (LC 2)

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

TOP CHORD 1-2=-294/745, 2-3=-625/1126, 3-4=-306/0, 4-33=-1117/270, 5-33=-963/305, 5-34=-2698/929, 34-35=-2698/929, 6-35=-2698/929, 6-7=-2723/914, 7-8=-2472/870, 8-9=-2472/845, 9-10=-2479/825, 10-11=-2499/810, 11-12=-2535/785

BOT CHORD 1-24=-593/0, 23-24=-1078/260, 22-23=-231/419, 21-22=-231/419, 6-18=-302/281, 17-18=-690/2326, 16-17=-695/2340, 15-16=-695/2340, 14-15=-695/2340, 13-14=-695/2340, 12-13=-695/2340

WEBS 4-23=-1087/477, 4-21=-186/513, 5-21=-716/393, 18-21=-336/1079, 5-18=-663/2135, 7-18=-159/633, 7-17=-118/304, 3-24=-1643/548, 3-23=-574/1786, 2-24=-671/440

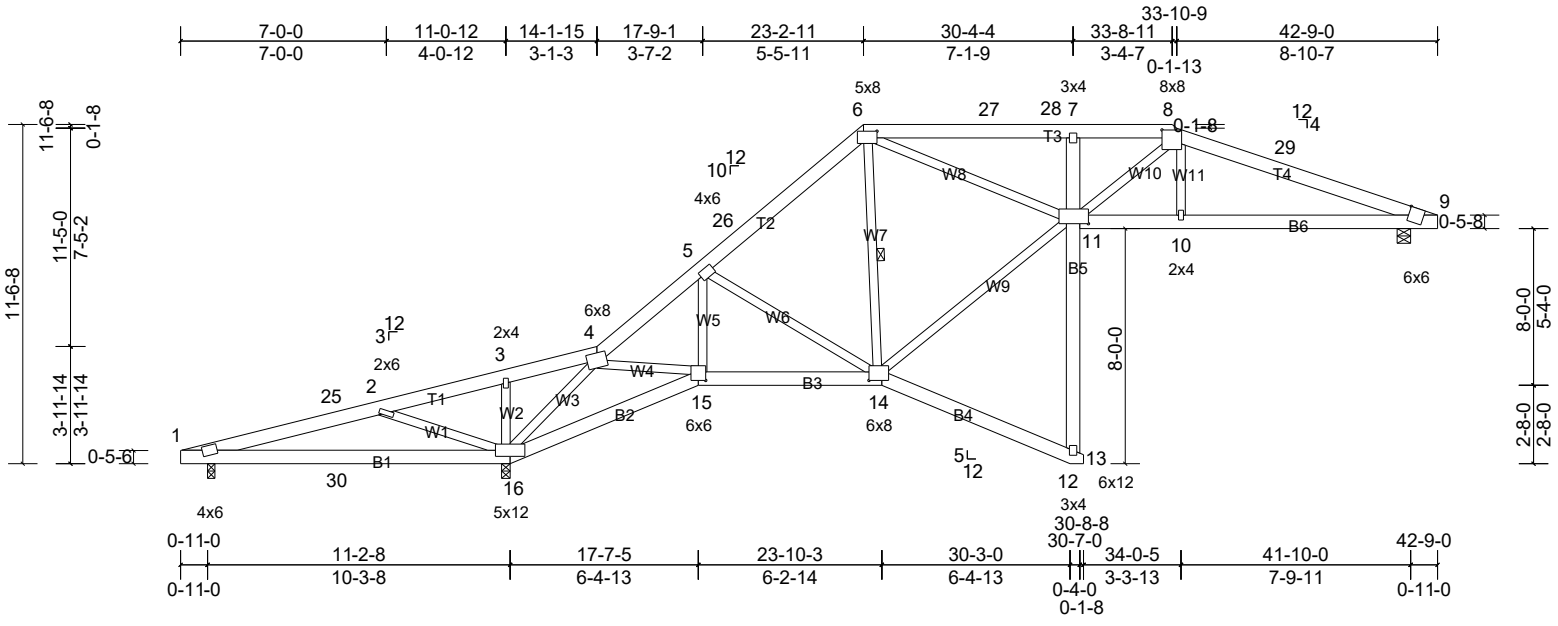
NOTES

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-0-8 to 5-3-9, Interior (1) 5-3-9 to 18-11-10, Exterior(2R) 18-11-10 to 27-5-13, Interior (1) 27-5-13 to 29-7-7, Exterior(2R) 29-7-7 to 37-5-0, Exterior(2E) 37-5-0 to 41-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Plates checked for a plus or minus 1 degree rotation about its center.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 680 lb uplift at joint 24, 244 lb uplift at joint 1 and 394 lb uplift at joint 12.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	B4	Piggyback Base	3	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:cgkqD2OTPyuCsDQaGehIFjyKEqd-NpB_WQy5it2t2BEvRkXe1Pd3pyBMrETeWz6dLQyKCY0



Scale = 1:78.7

Plate Offsets (X, Y): [6:0-5-8,0-2-12], [8:0-6-0,0-3-4], [11:0-3-8,0-3-8], [14:0-5-4,0-3-8], [15:0-3-0,0-3-8]

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	0.34	Vert(LL)	0.21	16-18	>649	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	0.17	16-18	>768	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 318 lb	FT = 20%

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

REACTIONS (lb/size) 1=13/0-3-0, (min. 0-1-8), 9=1102/0-5-8, (min. 0-1-8), 16=2176/0-3-8, (min. 0-2-9)
Max Horiz 1=344 (LC 10)
Max Uplift 1=-240 (LC 8), 9=-189 (LC 7), 16=-388 (LC 7)
Max Grav 1=57 (LC 10), 9=1102 (LC 1), 16=2176 (LC 1)

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
10-0-0 oc bracing: 11-13
WEBS 1 Row at midpt 6-14

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

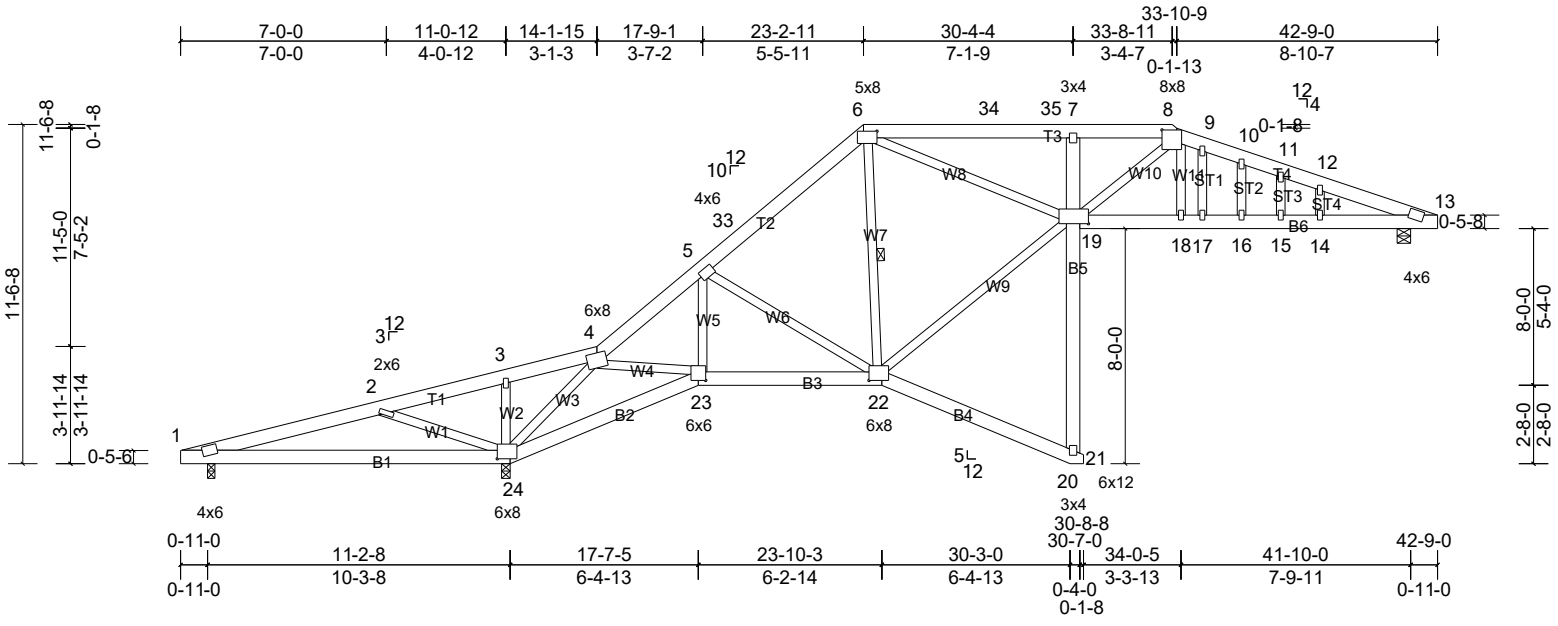
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-256/889, 2-25=-243/941, 2-3=-861/1484, 3-4=-831/1480, 4-5=-1062/497, 5-26=-1103/587, 6-26=-998/625, 6-27=-2308/1390, 27-28=-2308/1390, 7-28=-2308/1390, 7-8=-2311/1376, 8-29=-2090/1194, 9-29=-2178/1181
BOT CHORD 1-30=-789/0, 16-30=-789/0, 15-16=-316/100, 14-15=-590/823, 7-11=-332/227, 10-11=-1015/1973, 9-10=-1012/1977
WEBS 4-15=-526/1093, 5-15=-270/220, 6-14=-415/276, 11-14=-512/920, 8-11=-239/577, 4-16=-1816/938, 6-11=-881/1718, 2-16=-732/906

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-8 to 5-3-13, Interior (1) 5-3-13 to 18-11-7, Exterior(2R) 18-11-7 to 27-6-0, Interior (1) 27-6-0 to 29-7-4, Exterior(2R) 29-7-4 to 37-3-15, Exterior(2E) 37-3-15 to 41-7-4 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 388 lb uplift at joint 16, 240 lb uplift at joint 1 and 189 lb uplift at joint 9.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	B5-GE	Piggyback Base	1	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:9qeqlYjLoP9P2a9Fi0fVyhyKEEm-NpB_WQy5it2t2BEvRkXe1Pd3pyAHrHUeWz6dLQyKCY0



Scale = 1:78.7

Plate Offsets (X, Y): [6:0-5-8,0-2-12], [8:0-6-0,0-3-4], [19:0-3-8,0-3-8], [22:0-5-4,0-3-8], [23:0-3-0,0-3-8], [24:0-5-4,0-3-8]

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	0.34	Vert(LL)	0.14	24-26	>946	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.20	20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.12	13	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 328 lb	FT = 20%

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 or 4-10-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 19-21
WEBS	1 Row at midpt 6-22

REACTIONS (lb/size) 1=10/0-3-0, (min. 0-1-8), 13=1101/0-5-8, (min. 0-1-8), 24=2179/0-3-8, (min. 0-2-9)
Max Horiz 1=504 (LC 10)
Max Uplift 1=-278 (LC 8), 13=-386 (LC 7), 24=-739 (LC 10)
Max Grav 1=71 (LC 10), 13=1101 (LC 1), 24=2179 (LC 1)

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

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

TOP CHORD 1-2=-439/938, 2-3=-768/1492, 3-4=-719/1488, 4-5=-1056/262, 5-33=-1101/355, 6-33=-996/393, 6-34=-2304/911, 34-35=-2304/911, 7-35=-2304/911, 7-8=-2303/889, 8-9=-2126/849, 9-10=-2124/823, 10-11=-2131/802, 11-12=-2152/788, 12-13=-2188/763

BOT CHORD 1-24=-786/61, 23-24=-325/194, 22-23=-450/819, 7-19=-324/265, 18-19=-669/1999, 17-18=-674/2011, 16-17=-674/2011, 15-16=-674/2011, 14-15=-674/2011, 13-14=-674/2011

WEBS 4-23=-398/1097, 5-23=-274/174, 8-18=-123/269, 6-22=-415/214, 5-22=-285/248, 6-19=-622/1715, 8-19=-160/551, 4-24=-1815/640, 19-22=-334/918, 2-24=-733/483

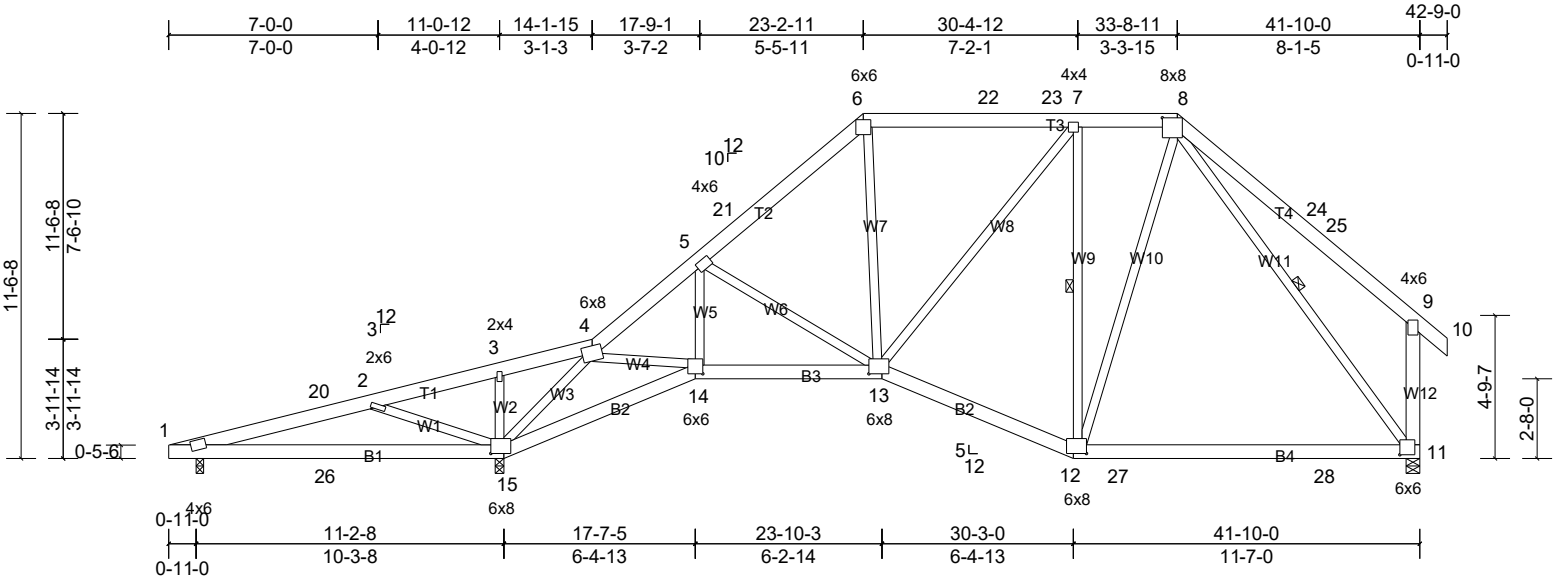
NOTES

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-0-8 to 5-3-13, Interior (1) 5-3-13 to 18-11-7, Exterior(2R) 18-11-7 to 27-6-0, Interior (1) 27-6-0 to 29-7-4, Exterior(2R) 29-7-4 to 37-5-0, Exterior(2E) 37-5-0 to 41-7-4 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Plates checked for a plus or minus 1 degree rotation about its center.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 739 lb uplift at joint 24, 278 lb uplift at joint 1 and 386 lb uplift at joint 13.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	B6	Piggyback Base	5	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:YA1jaANPpd9WAcGuvdS_V?yKEcS-NpB_WQy5it2t2BEvRkXe1Pd3ry9TrGVeWz6dLQyKCY0



Scale = 1:77.4

Plate Offsets (X, Y): [8:0-6-0,0-3-12], [11:0-2-8,0-4-0], [12:0-5-4,0-3-8], [13:0-5-4,0-3-8], [14:0-3-0,0-3-8], [15:0-5-4,0-3-8]

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	0.34	Vert(LL)	0.20	15-17	>669	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	0.17	15-17	>793	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 341 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W12:2x6 SP No.1

REACTIONS (lb/size) 1=118/0-3-0, (min. 0-1-8), 11=1182/0-5-8, (min. 0-1-9), 15=2034/0-3-8, (min. 0-2-9)
Max Horiz 1=382 (LC 9)
Max Uplift 1=-280 (LC 6), 11=-121 (LC 11), 15=-322 (LC 7)
Max Grav 1=133 (LC 3), 11=1323 (LC 2), 15=2176 (LC 2)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-15.
WEBS 1 Row at midpt 7-12, 8-11

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

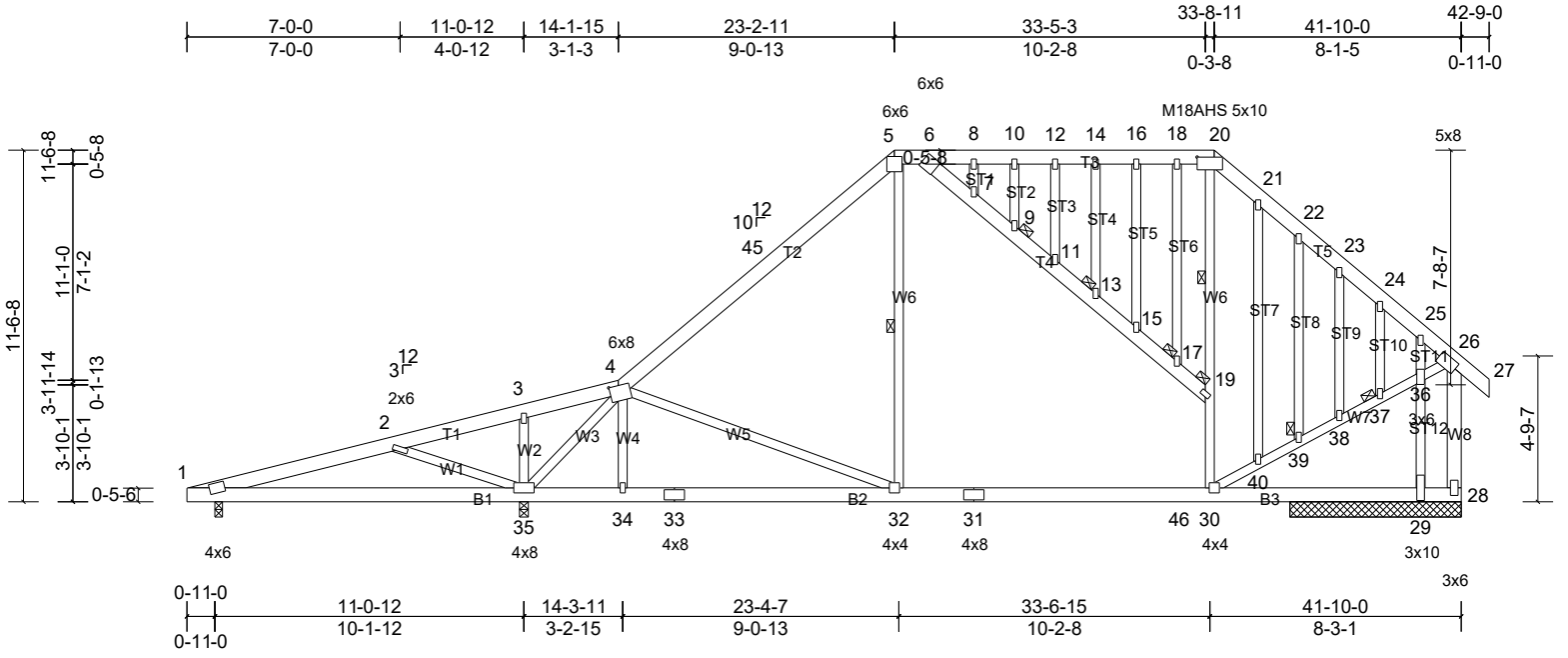
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-148/783, 2-20=-136/834, 2-3=-338/1251, 3-4=-316/1258, 4-5=-1491/662, 5-21=-1275/668, 6-21=-1191/706, 6-22=-943/674, 22-23=-943/674, 7-23=-943/674, 7-8=-790/719, 8-24=-310/698, 24-25=-327/665, 9-25=-446/660, 9-11=-531/760
BOT CHORD 1-26=-611/10, 15-26=-611/10, 14-15=-147/329, 13-14=-292/1293, 12-13=-161/880, 12-27=-99/618, 27-28=-99/618, 11-28=-99/618
WEBS 2-15=-684/839, 4-14=-163/1059, 5-13=-383/269, 6-13=-127/453, 7-13=-125/366, 7-12=-587/278, 8-11=-868/154, 4-15=-2022/714, 8-12=-133/636

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-8 to 5-2-11, Interior (1) 5-2-11 to 19-0-8, Exterior(2R) 19-0-8 to 27-4-15, Interior (1) 27-4-15 to 29-6-8, Exterior(2R) 29-6-8 to 37-10-15, Interior (1) 37-10-15 to 38-6-13, Exterior (2E) 38-6-13 to 42-9-0 zone; cantilever left exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 322 lb uplift at joint 15, 121 lb uplift at joint 11 and 280 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	B7-GE	Piggyback Base	1	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:4_N?xpoz58A0aXU5OxwYhXyKDqr-NpB_WQy5it2t2BEvRkXe1Pd3CyAJrF2eWz6dLQyKCY0



Scale = 1:75.9

Plate Offsets (X, Y): [4:0-3-0,0-3-8], [20:0-6-12,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	0.13	32-34	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.20	30-32	>999	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	-0.01	35	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 406 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except* W8:2x6 SP No.1
OTHERS	2x4 SP No.2

REACTIONS All bearings 5-7-8. except 35=0-3-8, 1=0-3-0
(lb) - Max Horiz 1=487 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-457 (LC 6), 28=-565 (LC 7), 29=-576 (LC 11), 35=-804 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 1 except 28=1277 (LC 17), 29=683 (LC 9), 35=2272 (LC 25)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-35.
WEBS	1 Row at midpt 5-32, 19-20
JOINTS	1 Brace at Jt(s): 37, 39, 17, 13, 9, 19

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

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

TOP CHORD	1-2=-494/1292, 2-3=-851/1649, 3-4=-823/1698, 4-45=-1144/352, 5-45=-988/385, 5-6=-772/441, 6-8=-718/429, 8-10=-718/429, 10-12=-718/429, 12-14=-718/429, 14-16=-718/429, 16-18=-718/429, 18-20=-718/429, 20-21=-807/403, 21-22=-937/410, 22-23=-958/379, 23-24=-992/362, 24-25=-1026/339, 25-26=-1016/303, 26-28=-1115/406
BOT CHORD	1-35=-1029/267, 34-35=-133/337, 33-34=-130/340, 32-33=-130/340, 31-32=-267/772, 31-46=-267/772, 30-46=-267/772
WEBS	5-32=-27/346, 30-40=-222/851, 39-40=-196/790, 38-39=-193/803, 37-38=-192/809, 36-37=-187/819, 26-36=-216/793, 4-32=-316/656, 4-35=-2283/828, 2-35=-682/449, 25-36=-361/469, 29-36=-480/590

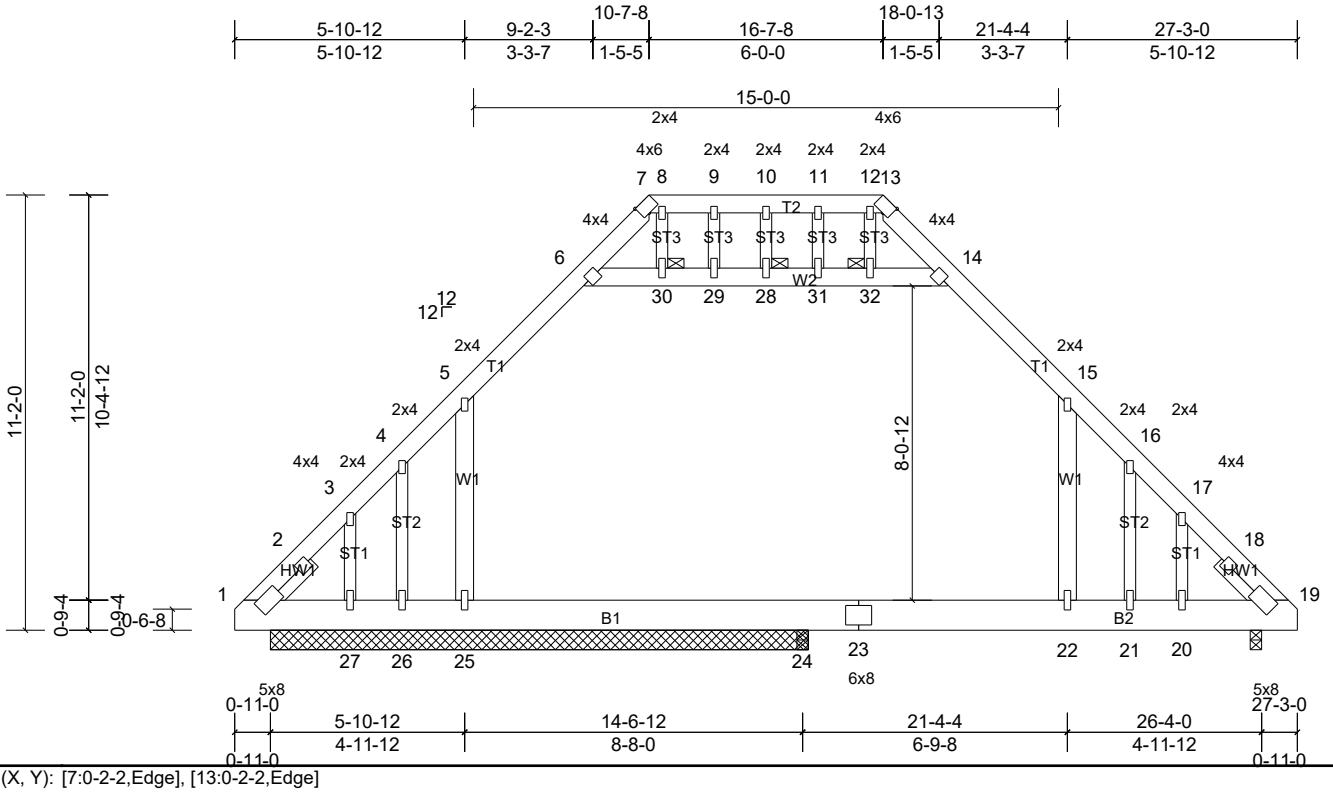
NOTES

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-0-8 to 5-2-11, Interior (1) 5-2-11 to 19-0-8, Exterior(2R) 19-0-8 to 27-2-0, Interior (1) 27-2-0 to 29-6-8, Exterior(2R) 29-6-8 to 37-10-0, Interior (1) 37-10-0 to 38-6-13, Exterior(2E) 38-6-13 to 42-9-0 zone; cantilever left exposed ; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Plates checked for a plus or minus 1 degree rotation about its center.
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 565 lb uplift at joint 28, 803 lb uplift at joint 35, 575 lb uplift at joint 29 and 456 lb uplift at joint 1.
12) 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	
B1124-6094	C1-GE	Attic Structural Gable	1	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:P9vaqgauPUtefrqbbsZ5?XyKFWH-NpB_WQy5it2t2BEvRkXe1Pd5fyA9rPieWz6dLQyKCY0



Scale = 1:59.3

Plate Offsets (X, Y): [7:0-2-2,Edge], [13:0-2-2,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	0.23	Vert(LL)	0.08	22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.10	22-24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Attic	-0.05	22-24	>999	360	Weight: 268 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x10 SP No.1
WEBS	2x6 SP No.1
OTHERS	2x4 SP No.2
SLIDER	Left 2x4 SP No.2 -- 1-6-0, Right 2x4 SP No.2 -- 1-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 28, 30, 32

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

REACTIONS All bearings 13-9-8. except 19=0-3-8, 24=0-3-8
(lb) - Max Horiz 1=339 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 19 except 1=-244 (LC 6), 25=-335 (LC 7), 26=-388 (LC 11), 27=-307 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) except 1=1006 (LC 19), 19=1034 (LC 1), 24=1262 (LC 16), 25=1060 (LC 18), 26=386 (LC 9), 27=280 (LC 8)

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

TOP CHORD	1-2=-605/185, 2-3=-995/283, 3-4=-882/244, 4-5=-1028/342, 5-6=-827/231, 6-7=-517/181, 7-8=-334/197, 8-9=-334/197, 9-10=-334/197, 10-11=-334/197, 11-12=-334/197, 12-13=-334/197, 13-14=-502/259, 14-15=-820/223, 15-16=-860/107, 16-17=-836/40, 17-18=-925/50, 18-19=-398/9
BOT CHORD	1-27=-41/581, 26-27=-41/581, 25-26=-41/581, 24-25=-41/581, 23-24=-41/581, 22-23=-41/581, 21-22=-41/581, 20-21=-41/581, 19-20=-41/581
WEBS	5-25=-402/387, 6-30=-481/346, 29-30=-481/346, 28-29=-481/346, 28-31=-481/346, 31-32=-481/346, 14-32=-481/346, 8-30=-136/284, 4-26=-311/215

NOTES

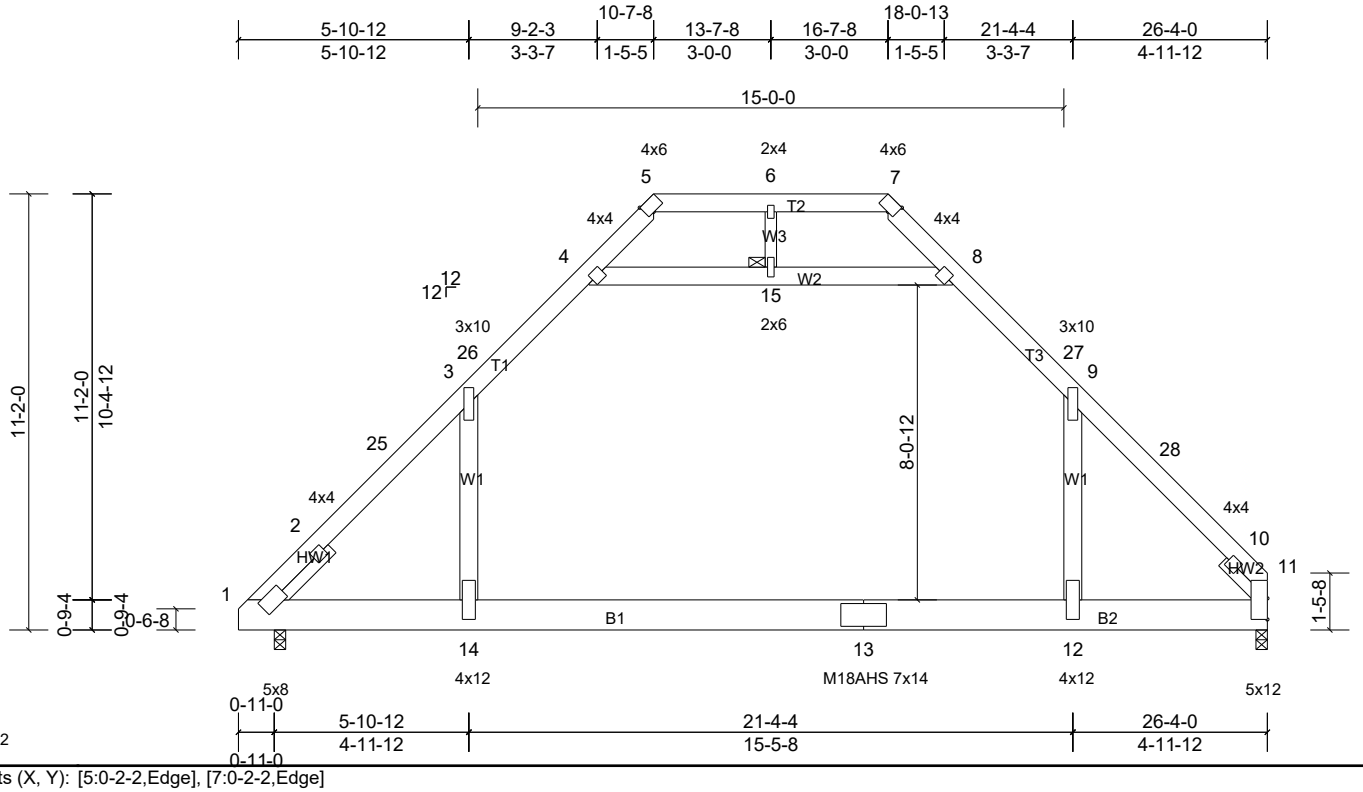
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-11-0 to 3-11-0, Interior (1) 3-11-0 to 7-7-8, Exterior(2R) 7-7-8 to 19-7-8, Interior (1) 19-7-8 to 22-11-11, Exterior(2E) 22-11-11 to 26-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Plates checked for a plus or minus 1 degree rotation about its center.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Ceiling dead load (10.0 psf) on member(s). 5-6, 14-15, 6-30, 29-30, 28-29, 28-31, 31-32, 14-32; Wall dead load (5.0psf) on member(s).5-25, 15-22, 4-26, 3-27
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 26-27, 25-26, 24-25, 22-24
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 1=244, 25=335, 26=388, 27=306.

Continued on page 2

13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	C2	Attic	8	1	Job Reference (optional)



Scale = 1:59.2

Plate Offsets (X, Y): [5:0-2-2,Edge], [7:0-2-2,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	0.70	Vert(LL)	-0.42	12-14	>740	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.69	12-14	>452	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.03	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Attic	-0.27	12-14	>680	360	Weight: 239 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP 2400F 2.0E *Except* T2:2x6 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x6 SP No.1 *Except* W3:2x4 SP No.2
SLIDER	Left 2x4 SP No.2 -- 2-0-0, Right 2x4 SP No.2 -- 1-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-7-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 15

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

REACTIONS (lb/size) 1=1396/0-3-8, (min. 0-1-8), 11=1375/0-3-8, (min. 0-1-8)
Max Horiz 1=-272 (LC 6)
Max Grav 1=1736 (LC 2), 11=1710 (LC 2)

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

TOP CHORD	1-2=-310/715, 2-25=-2193/0, 3-25=-2145/1, 3-26=-1291/210, 4-26=-1160/255, 4-5=-200/334, 5-6=0/600, 6-7=0/600, 7-8=-198/335, 8-27=-1159/254, 9-27=-1290/209, 9-28=-2134/5, 10-28=-2268/0, 10-11=-646/0
BOT CHORD	1-14=0/1348, 13-14=0/1348, 12-13=0/1348, 11-12=0/1348
WEBS	3-14=0/1249, 9-12=0/1240, 4-15=-1780/182, 8-15=-1780/182

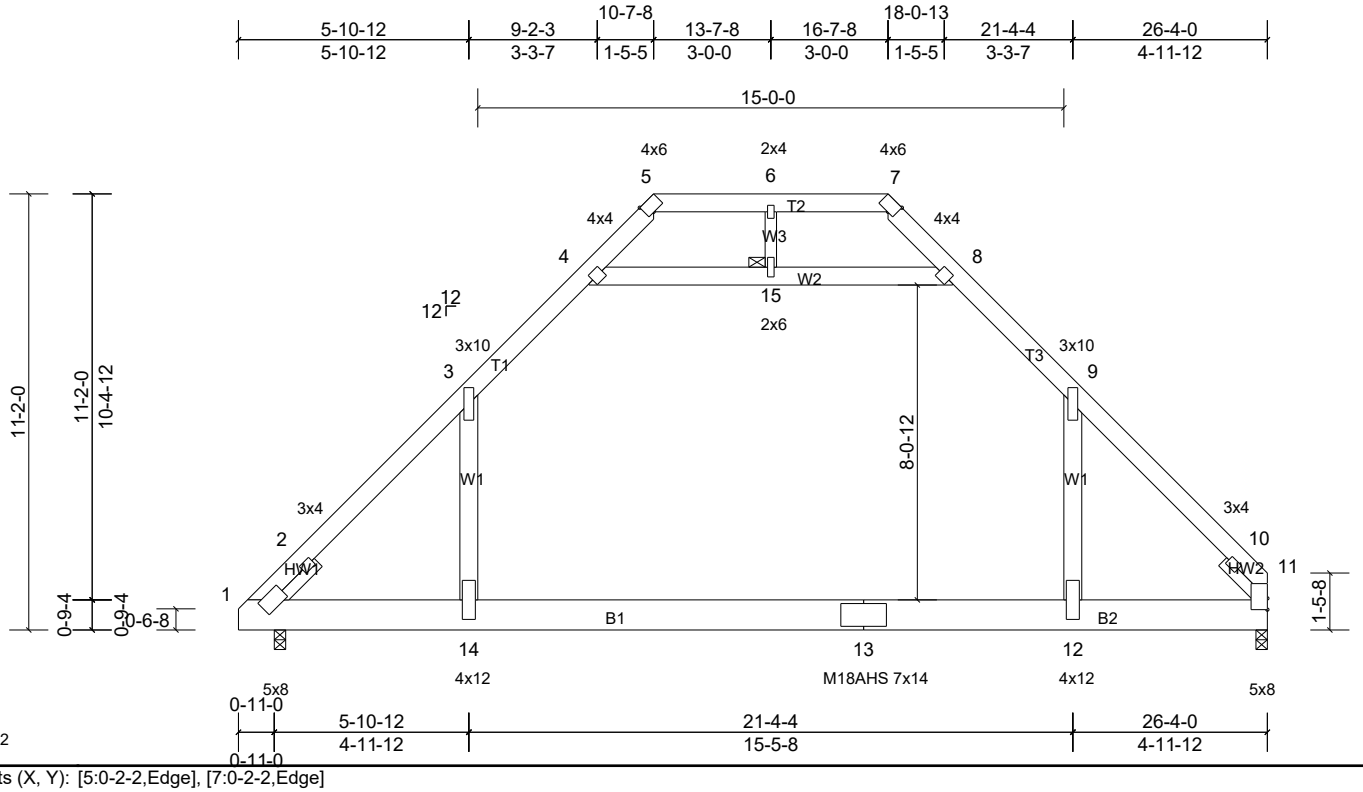
NOTES

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-12 to 4-0-12, Interior (1) 4-0-12 to 6-4-9, Exterior(2R) 6-4-9 to 20-10-7, Interior (1) 20-10-7 to 23-4-0, Exterior(2E) 23-4-0 to 26-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Plates checked for a plus or minus 1 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-15, 8-15; Wall dead load (5.0psf) on member(s).3-14, 9-12
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	C3	Attic Girder	1	3	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:ITCyog2kSAfFDgkupqF?YYyKFVh-NpB_WQy5it2t2BEvRkXe1PdzsyAYrPEeWz6dLQyKCY0



Scale = 1:59.2

Plate Offsets (X, Y): [5:0-2-2,Edge], [7:0-2-2,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	0.72	Vert(LL)	-0.43	12-14	>722	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.63	12-14	>500	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	-0.03	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Attic	-0.28	12-14	>667	360	Weight: 713 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP 2400F 2.0E *Except* T2:2x6 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x6 SP No.1 *Except* W3:2x4 SP No.2
SLIDER	Left 2x4 SP No.2 -- 1-6-0, Right 2x4 SP No.2 -- 1-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 15

REACTIONS (lb/size) 1=1924/0-3-8, (min. 0-1-8), 11=2567/0-3-8, (min. 0-1-8)
Max Horiz 1=-272 (LC 4)
Max Grav 1=3166 (LC 2), 11=3722 (LC 17)

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

TOP CHORD	1-2=-1136/1108, 2-3=-4668/0, 3-4=-2288/0, 4-5=0/1183, 5-6=0/1843, 6-7=0/1843, 7-8=0/1205, 8-9=-2251/0, 9-10=-4729/0, 10-11=-2095/0
BOT CHORD	1-14=0/2746, 13-14=0/2746, 12-13=0/2746, 11-12=0/2746
WEBS	3-14=0/3406, 9-12=0/3495, 4-15=-4540/0, 8-15=-4540/0

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-7-0 oc.
   Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) Plates checked for a plus or minus 1 degree rotation about its center.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-15, 8-15; Wall dead load (5.0psf) on member(s).3-14, 9-12
11) Bottom chord live load (120.0 psf) and additional bottom chord dead load (30.0 psf) applied only to room. 12-14
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1102 lb down and 146 lb up at 21-3-0 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
13) Attic room checked for L/360 deflection.

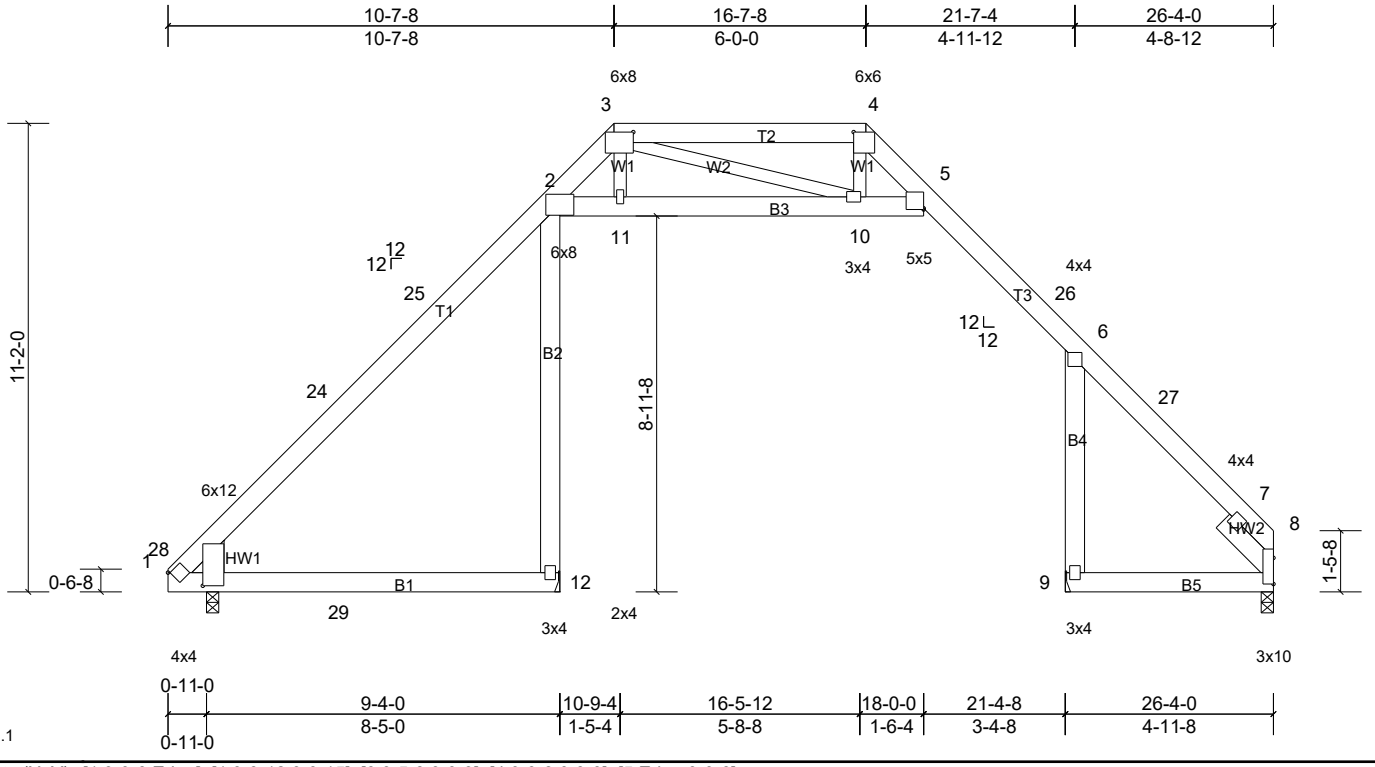
LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 3-18=-60, 3-4=-80, 4-5=-60, 5-7=-60, 7-8=-60, 8-9=-80, 9-11=-60, 1-14=-20, 12-14=-80, 12-21=-20, 4-15=-20, 8-15=-20

Continued on page 2

Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 12=-1102 (B)

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	C4	Piggyback Base	2	1	Job Reference (optional)



Scale = 1:55.1

Plate Offsets (X, Y): [1:0-0-6,Edge], [1:0-3-12,0-9-15], [3:0-5-8,0-3-0], [4:0-3-8,0-3-0], [5:Edge,0-0-6]

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	0.59	Vert(LL)	-0.09	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.17	17	>906	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 188 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
WEDGE	Left: 2x10 SP No.1
SLIDER	Right 2x6 SP No.1 -- 1-8-11

BRACING

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

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

REACTIONS All bearings 0-3-8. except 12= Mechanical, 9= Mechanical
(lb) - Max Horiz 1=-272 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 9 except 1=-234 (LC 11), 8=-155 (LC 11), 12=-325 (LC 7)
Max Grav All reactions 250 (lb) or less at joint(s) 8 except 1=524 (LC 18), 9=769 (LC 18), 12=1186 (LC 17)

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

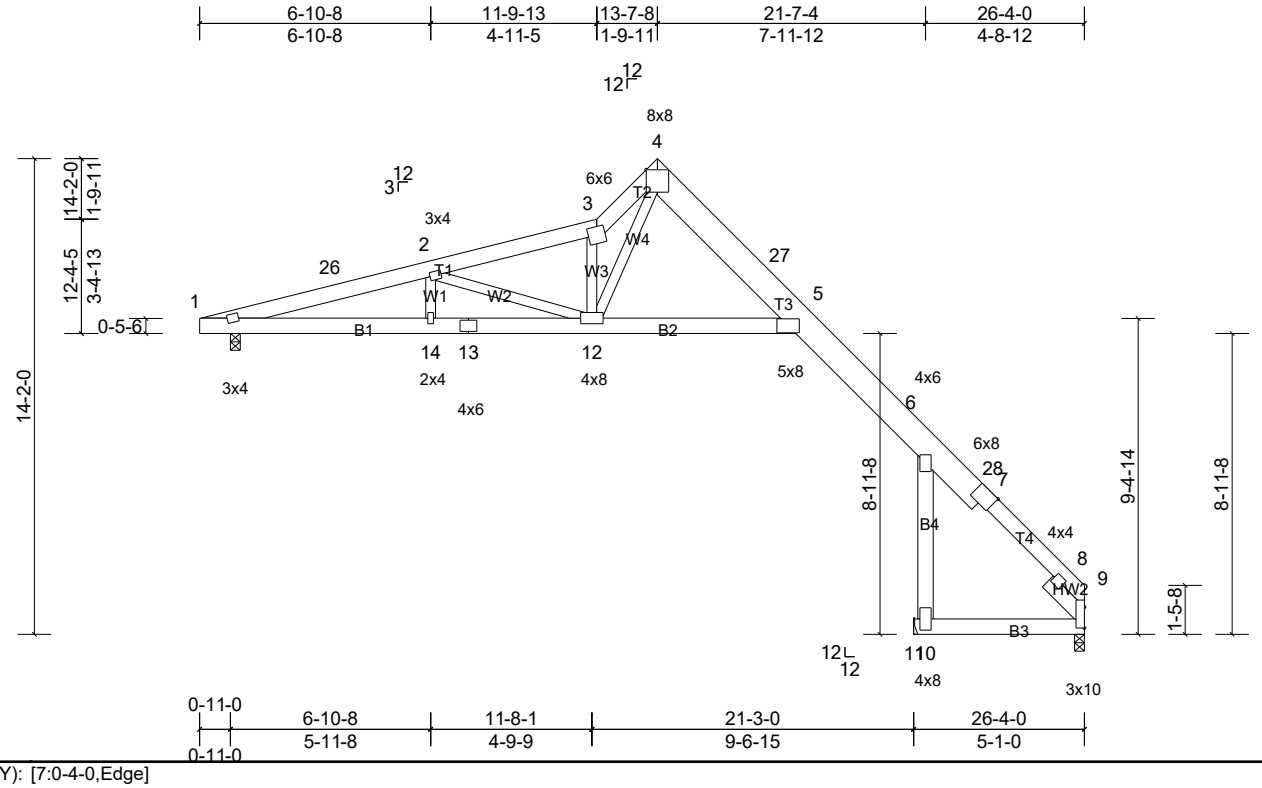
TOP CHORD	1-24=-406/374, 24-25=-344/386, 2-25=-311/429, 2-3=-459/133, 3-4=-666/22, 4-5=-757/25, 5-26=-265/340, 6-26=-381/315, 6-27=-26/250
BOT CHORD	2-12=-956/322, 2-11=-95/456, 10-11=-106/480, 5-10=-12/780, 6-9=-731/175
WEBS	3-10=-75/478

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-12 to 4-0-12, Interior (1) 4-0-12 to 6-4-9, Exterior(2R) 6-4-9 to 20-10-7, Interior (1) 20-10-7 to 23-4-0, Exterior(2E) 23-4-0 to 26-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 8=154, 12=324, 1=234.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	C5	Roof Special	4	1	Job Reference (optional)



Scale = 1:68.9

Plate Offsets (X, Y): [7:0-4-0,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	0.52	Vert(LL)	-0.11	12-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.22	12-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.20	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 188 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1 *Except* T3:2x10 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.1 -- 1-6-12

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-8-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10.

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

REACTIONS (lb/size) 1=779/0-3-8, (min. 0-1-8), 9=-54/0-3-8, (min. 0-1-8), 10=1246/ Mechanical, (min. 0-1-8)
Max Horiz 1=-374 (LC 11)
Max Uplift 1=-99 (LC 10), 9=-134 (LC 11), 10=-110 (LC 11)
Max Grav 1=779 (LC 1), 9=69 (LC 9), 10=1246 (LC 1)

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

TOP CHORD	1-26=-1870/683, 2-26=-1831/691, 2-3=-1307/428, 3-4=-1678/676, 4-27=-855/338, 5-27=-884/312, 5-6=-582/554, 6-28=0/294, 7-28=0/256, 7-8=0/261, 8-9=-303/0
BOT CHORD	1-14=-124/1776, 13-14=-124/1776, 12-13=-124/1776, 5-12=0/761, 6-10=-1253/432
WEBS	2-12=-611/345, 3-12=-916/451, 4-12=-556/1403

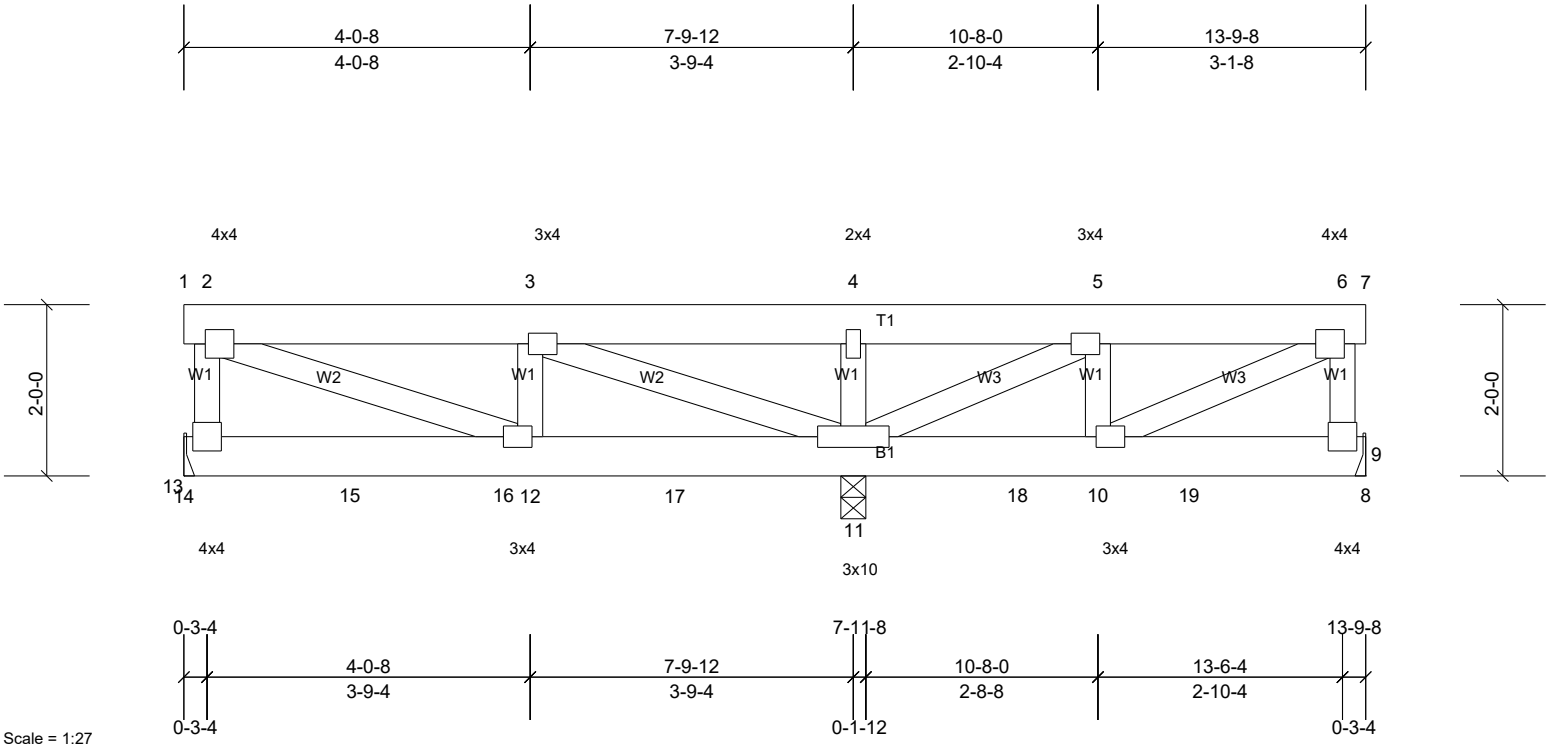
NOTES

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-12 to 4-0-12, Interior (1) 4-0-12 to 11-9-13, Exterior(2R) 11-9-13 to 16-7-8, Interior (1) 16-7-8 to 23-0-7, Exterior(2E) 23-0-7 to 26-0-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 9, 110 lb uplift at joint 10 and 99 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	C6	Flat Girder	1	2	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:Vrk6xYkkVB4KFdeUNpW2zayKFmt-r?INjlykTBAkfKp5?S2tad9GZMWIardnldsBusyKCY?



Scale = 1:27

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)	-0.02	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.03	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 183 lb	FT = 20%

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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 9=1122/ Mechanical, (min. 0-1-8), 11=4896/0-3-8, (min. 0-2-14), 13=1335/ Mechanical, (min. 0-1-8)
Max Horiz 13=-62 (LC 6)
Max Uplift 9=-136 (LC 5), 11=-602 (LC 5), 13=-192 (LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-876/152, 2-3=-1820/250, 3-4=-84/571, 4-5=-84/571, 5-6=-1072/134, 6-9=-695/106
BOT CHORD 12-17=-275/1820, 11-17=-275/1820, 11-18=-136/1072, 10-18=-136/1072
WEBS 2-12=-245/1763, 3-12=-65/1031, 3-11=-2583/360, 4-11=-554/128, 6-10=-124/1081, 5-10=-70/1003, 5-11=-1867/234

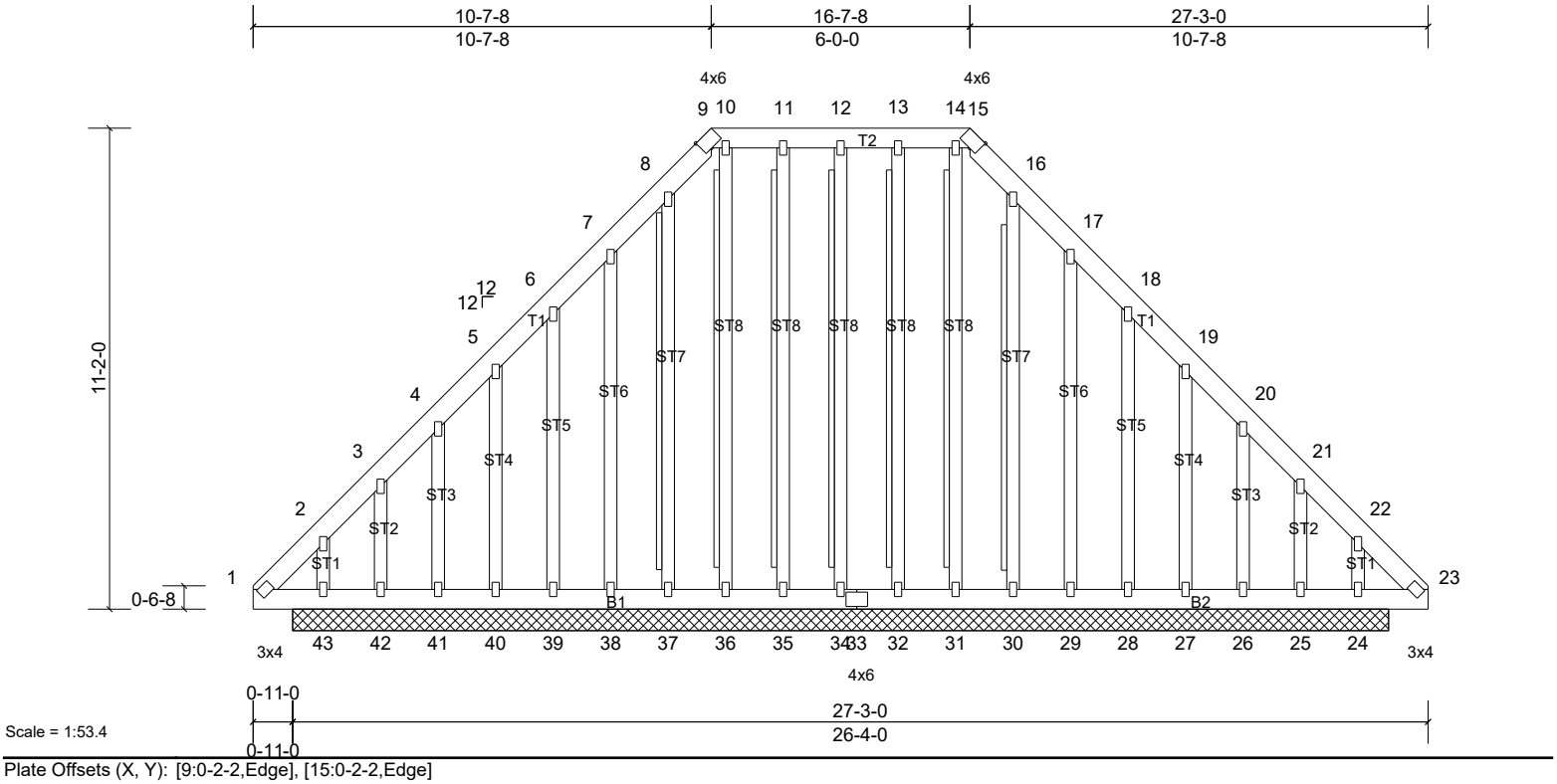
NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) Plates checked for a plus or minus 1 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 13, 136 lb uplift at joint 9 and 602 lb uplift at joint 11.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 745 lb down and 95 lb up at 1-11-4, 745 lb down and 95 lb up at 3-8-12, 1206 lb down and 130 lb up at 5-8-12, 1206 lb down and 130 lb up at 7-8-12, and 1206 lb down and 130 lb up at 9-8-12, and 1206 lb down and 130 lb up at 11-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-2=-20, 2-6=-60, 6-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 11=-1206 (F), 15=-723 (F), 16=-723 (F), 17=-1206 (F), 18=-1206 (F), 19=-1206 (F)

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	D1-GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)



Scale = 1:53.4

Plate Offsets (X, Y): [9:0-2-2,Edge], [15:0-2-2,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	0.08	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	0.13	Horiz(TL)	0.01	24	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 333 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 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 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 12-34, 11-35, 10-36, 8-37, 13-32, 14-31, 16-30
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.

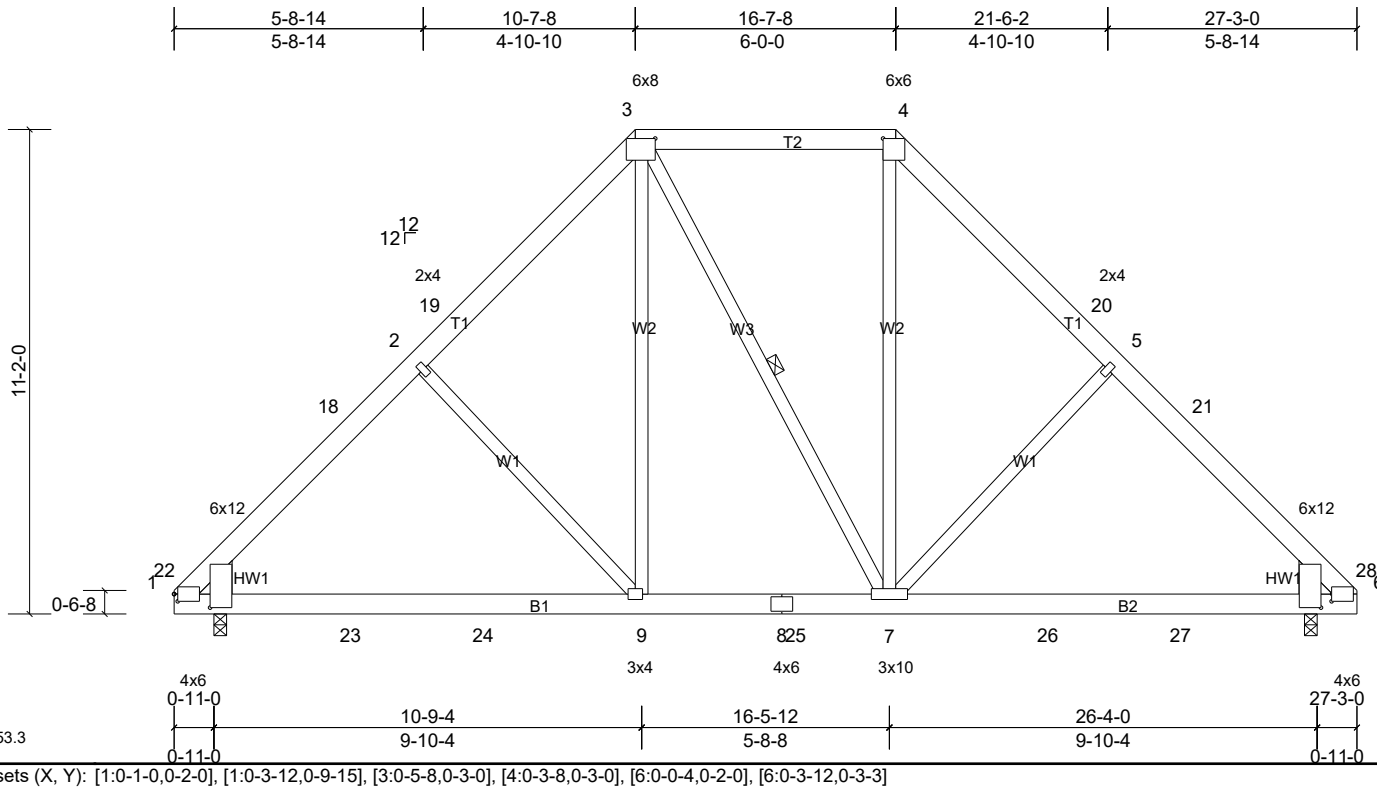
REACTIONS All bearings 25-5-0.
(lb) - Max Horiz 43=-371 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 26, 30, 32, 34, 35, 36, 37, 41 except 24=-308 (LC 7), 25=-410 (LC 11), 27=-128 (LC 11), 28=-123 (LC 11), 29=-127 (LC 11), 38=-127 (LC 10), 39=-122 (LC 10), 40=-130 (LC 10), 42=-446 (LC 10), 43=-382 (LC 6)
Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41 except 24=418 (LC 17), 25=368 (LC 9), 42=421 (LC 8), 43=484 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-252/254, 2-3=-307/314, 5-6=-145/302, 6-7=-205/367, 7-8=-263/431, 8-9=-264/424, 9-10=-226/376, 10-11=-226/376, 11-12=-226/376, 12-13=-226/376, 13-14=-226/376, 14-15=-226/376, 15-16=-264/424, 16-17=-263/424, 17-18=-205/338, 18-19=-145/273, 21-22=-254/261
BOT CHORD 1-43=-217/252

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-2 to 2-11-5, Exterior(2N) 2-11-5 to 7-7-8, Corner(3R) 7-7-8 to 19-7-8, Exterior(2N) 19-7-8 to 24-2-14, Corner(3E) 24-2-14 to 27-2-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Plates checked for a plus or minus 1 degree rotation about its center.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34, 35, 36, 37, 41, 32, 30, 26 except (jt=lb) 38=126, 39=122, 40=129, 42=445, 43=382, 29=127, 28=123, 27=128, 25=409, 24=307.
11) Non Standard bearing condition. Review required.
12) 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	
B1124-6094	D2	Piggyback Base	1	1	Job Reference (optional)



Scale = 1:53.3

Plate Offsets (X, Y): [1:0-1-0,0-2-0], [1:0-3-12,0-9-15], [3:0-5-8,0-3-0], [4:0-3-8,0-3-0], [6:0-0-4,0-2-0], [6:0-3-12,0-3-3]

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	0.22	Vert(LL)	-0.06	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.10	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 223 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
WEDGE	Left: 2x10 SP No.1
	Right: 2x10 SP No.1

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-7

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

REACTIONS (lb/size) 1=1026/0-3-8, (min. 0-1-8), 6=1026/0-3-8, (min. 0-1-8)
Max Horiz 1=268 (LC 7)
Max Uplift 1=-89 (LC 10), 6=-89 (LC 11)
Max Grav 1=1171 (LC 2), 6=1167 (LC 2)

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

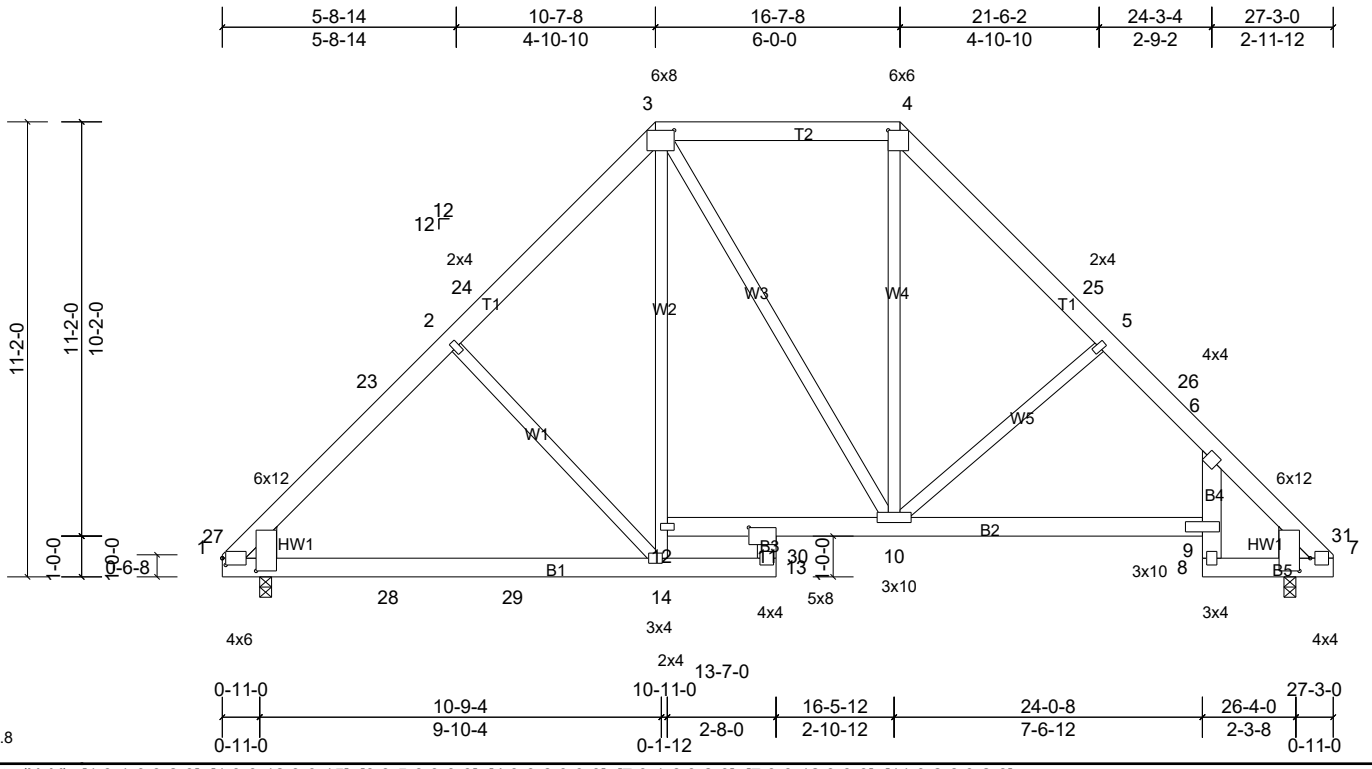
TOP CHORD	1-18=-1160/381, 2-18=-1045/413, 2-19=-997/428, 3-19=-936/467, 3-4=-659/440, 4-20=-932/467, 5-20=-992/429, 5-21=-1040/414, 6-21=-1155/381
BOT CHORD	1-23=-252/894, 23-24=-217/894, 9-24=-217/894, 8-9=-113/741, 8-25=-113/741, 7-25=-113/741, 7-26=-177/735, 26-27=-177/735, 6-27=-177/735, 6-28=-117/393
WEBS	2-9=-234/259, 3-9=-106/470, 4-7=-107/416, 5-7=-234/258

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-12 to 4-0-12, Interior (1) 4-0-12 to 6-4-9, Exterior(2R) 6-4-9 to 20-10-7, Interior (1) 20-10-7 to 23-2-4, Exterior(2E) 23-2-4 to 26-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 1 and 89 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	D3	Piggyback Base	6	1	Job Reference (optional)



Scale = 1:56.8

Plate Offsets (X, Y): [1:0-1-0,0-2-0], [1:0-3-12,0-9-15], [3:0-5-8,0-3-0], [4:0-3-8,0-3-0], [7:0-1-6,0-2-0], [7:0-3-12,0-3-3], [11:0-2-8,0-2-8]

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	0.26	Vert(LL)	-0.06	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.10	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 233 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
WEDGE	Left: 2x10 SP No.1 Right: 2x10 SP No.1

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 8-9.

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

REACTIONS (lb/size) 1=1026/0-3-8, (min. 0-1-8), 7=1026/0-3-8, (min. 0-1-8)
Max Horiz 1=268 (LC 7)
Max Uplift 1=-89 (LC 10), 7=-89 (LC 11)
Max Grav 1=1205 (LC 2), 7=1161 (LC 2)

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

TOP CHORD	1-23=-1203/379, 2-23=-1084/412, 2-24=-1040/427, 3-24=-980/466, 3-4=-754/444, 4-25=-1066/476, 5-25=-1161/437, 5-26=-1228/449, 6-26=-1272/429, 6-7=-1125/337
BOT CHORD	1-28=-251/922, 28-29=-217/922, 14-29=-217/922, 13-14=-107/733, 11-30=-113/774, 10-30=-113/774, 9-10=-213/921, 7-8=-146/559, 7-31=-90/334
WEBS	12-14=-90/390, 3-12=-97/380, 2-14=-230/260, 4-10=-116/541, 5-10=-340/277

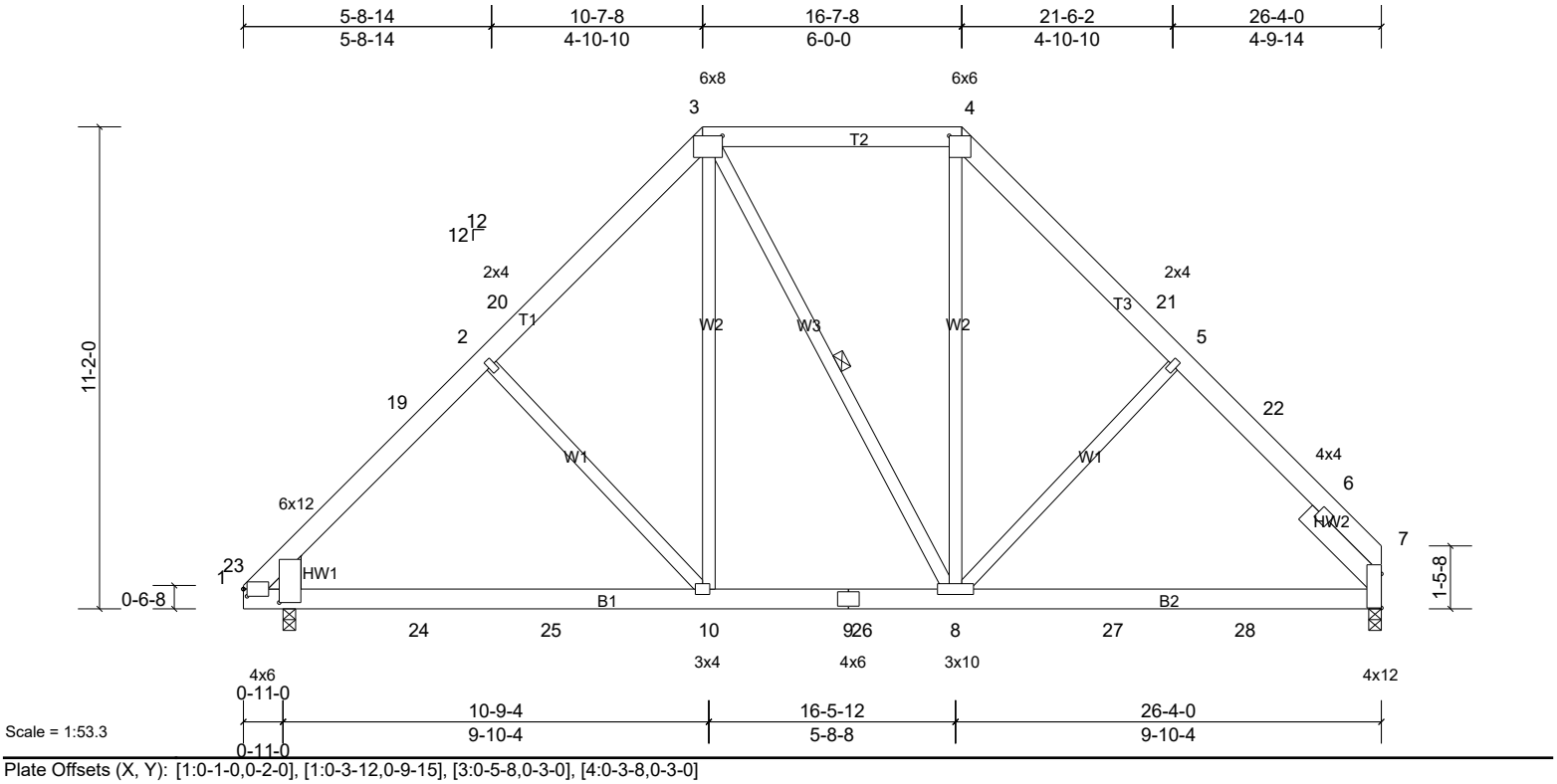
NOTES

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-12 to 4-0-12, Interior (1) 4-0-12 to 6-4-9, Exterior(2R) 6-4-9 to 20-10-7, Interior (1) 20-10-7 to 23-2-4, Exterior(2E) 23-2-4 to 26-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 1 and 89 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	D4	Piggyback Base	9	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:sGUTC8Qqp2cNqNNaabnDHLyKGdV-NpB_WQy5it2t2BEvRkXe1Pd5iyBHrO_eWz6dLQyKCY0



Scale = 1:53.3

Plate Offsets (X, Y): [1:0-1-0,0-2-0], [1:0-3-12,0-9-15], [3:0-5-8,0-3-0], [4:0-3-8,0-3-0]

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	0.22	Vert(LL)	-0.06	8-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.11	8-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 222 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
WEDGE	Left: 2x10 SP No.1
SLIDER	Right 2x6 SP No.1 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-8

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

REACTIONS (lb/size) 1=1033/0-3-8, (min. 0-1-8), 7=1010/0-3-8, (min. 0-1-8)
Max Horiz 1=-272 (LC 6)
Max Uplift 1=-89 (LC 10), 7=-101 (LC 11)
Max Grav 1=1178 (LC 2), 7=1143 (LC 2)

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

TOP CHORD	1-19=-1168/383, 2-19=-1052/415, 2-20=-1005/430, 3-20=-944/469, 3-4=-672/444, 4-21=-951/474, 5-21=-1033/435, 5-22=-1048/420, 6-22=-1148/391, 6-7=-571/0
BOT CHORD	1-24=-251/901, 24-25=-217/901, 10-25=-217/901, 9-10=-113/747, 9-26=-113/747, 8-26=-113/747, 8-27=-177/760, 27-28=-177/760, 7-28=-177/760
WEBS	3-10=-103/461, 4-8=-112/436, 2-10=-234/259, 5-8=-251/261

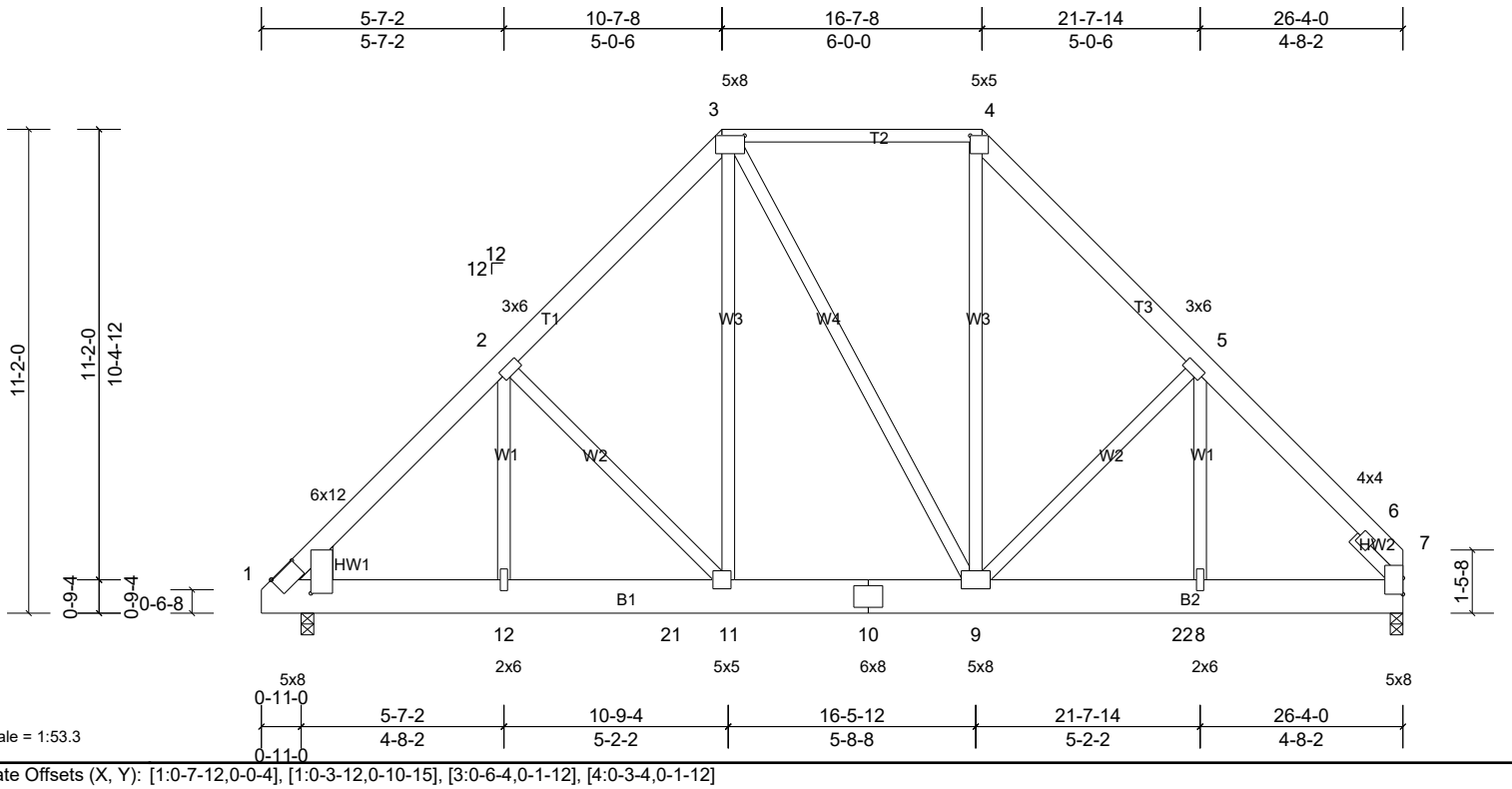
NOTES

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-12 to 4-0-12, Interior (1) 4-0-12 to 6-4-9, Exterior(2R) 6-4-9 to 20-10-7, Interior (1) 20-10-7 to 23-4-0, Exterior(2E) 23-4-0 to 26-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 7 and 89 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	D5	Piggyback Base Girder	1	2	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:CDE9u_MXTrj9d1qbVSAonpyKFSi-r?INjlykTBAkfKp5?S2tad9GvMZiasKnldsBusyKCY?



Scale = 1:53.3

Plate Offsets (X, Y): [1:0-7-12,0-0-4], [1:0-3-12,0-10-15], [3:0-6-4,0-1-12], [4:0-3-4,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.03	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.05	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 534 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1 *Except* T2:2x4 SP No.1
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.2
WEDGE	Left: 2x10 SP No.1
SLIDER	Right 2x4 SP No.2 -- 1-6-0

BRACING

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

REACTIONS (lb/size) 1=1960/0-3-8, (min. 0-1-8), 7=2393/0-3-8, (min. 0-1-8)
Max Horiz 1=-274 (LC 4)
Max Uplift 1=-263 (LC 8), 7=-328 (LC 9)
Max Grav 1=2056 (LC 15), 7=2464 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2237/347, 2-3=-2034/406, 3-4=-1361/344, 4-5=-1953/387, 5-6=-2758/409, 6-7=-1860/222
BOT CHORD 1-12=-351/1674, 12-21=-351/1674, 11-21=-351/1674, 10-11=-250/1484, 9-10=-250/1484, 9-22=-211/1861, 8-22=-211/1861, 7-8=-211/1861
WEBS 2-11=-301/263, 3-11=-297/1295, 3-9=-244/378, 4-9=-202/1131, 5-9=-881/320, 5-8=-123/952

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-7-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) Plates checked for a plus or minus 1 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 1 and 328 lb uplift at joint 7.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1033 lb down and 196 lb up at 9-5-8, and 1315 lb down and 202 lb up at 21-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

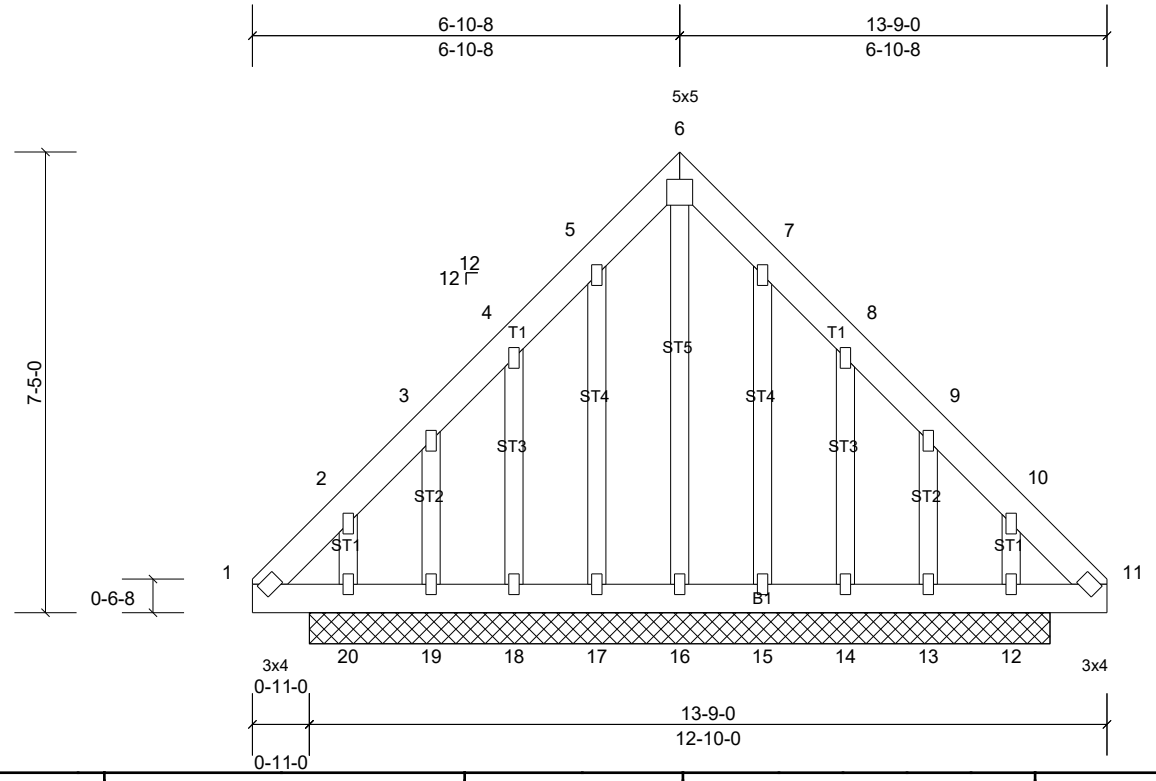
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 3-15=-60, 3-4=-60, 4-7=-60, 1-17=-20
Concentrated Loads (lb)

Continued on page 2

Vert: 21=-1000 (F), 22=-1315 (F)

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	E1-GE	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:Qj0eKA7eZggK1As3ShNgaGyKGgT-r?INjIykTBAkfKp5?S2tad9JzMbSarinIdsBusyKCY?



Scale = 1:37.2

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	0.06	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	0.21	Horiz(TL)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 124 lb	FT = 20%

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 or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

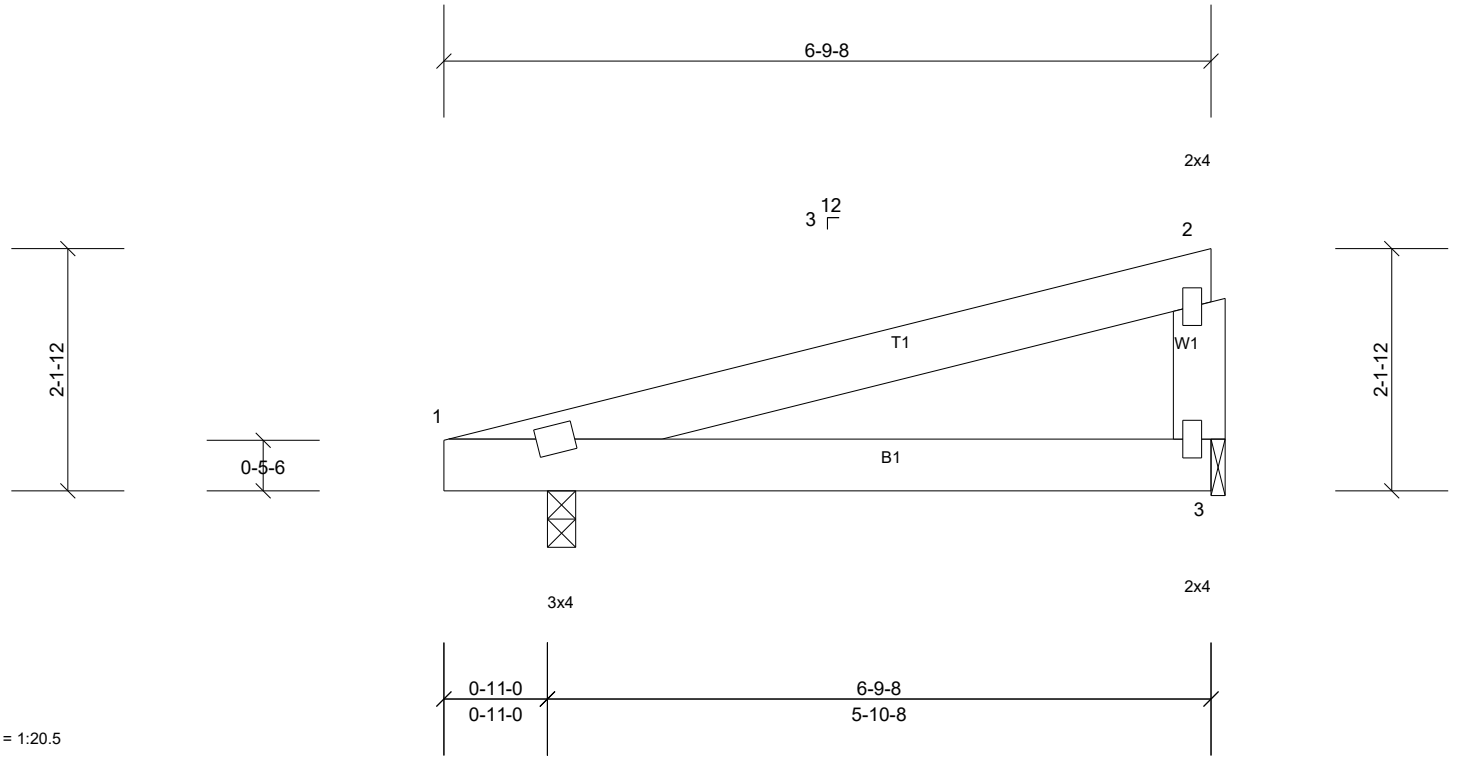
REACTIONS All bearings 11-11-0.
(lb) - Max Horiz 20=-238 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 15, 17, 18 except 12=-180 (LC 7), 13=-285 (LC 11), 14=-102 (LC 11), 19=-297 (LC 10), 20=-206 (LC 6)
Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18 except 12=302 (LC 17), 13=258 (LC 9), 19=275 (LC 8), 20=321 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-143/256, 5-6=-166/310, 6-7=-166/310, 7-8=-143/256
WEBS 6-16=-278/114

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-2 to 2-10-5, Exterior(2N) 2-10-5 to 3-10-8, Corner(3R) 3-10-8 to 9-10-8, Exterior(2N) 9-10-8 to 10-8-14, Corner(3E) 10-8-14 to 13-8-14 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 1 degree rotation about its center.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18, 15 except (jt=lb) 19=296, 20=205, 14=102, 13=285, 12=180.
10) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	G1	Monopitch	17	1	Job Reference (optional)



Scale = 1:20.5

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	0.17	Vert(LL)	0.02	3-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	3-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 35 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

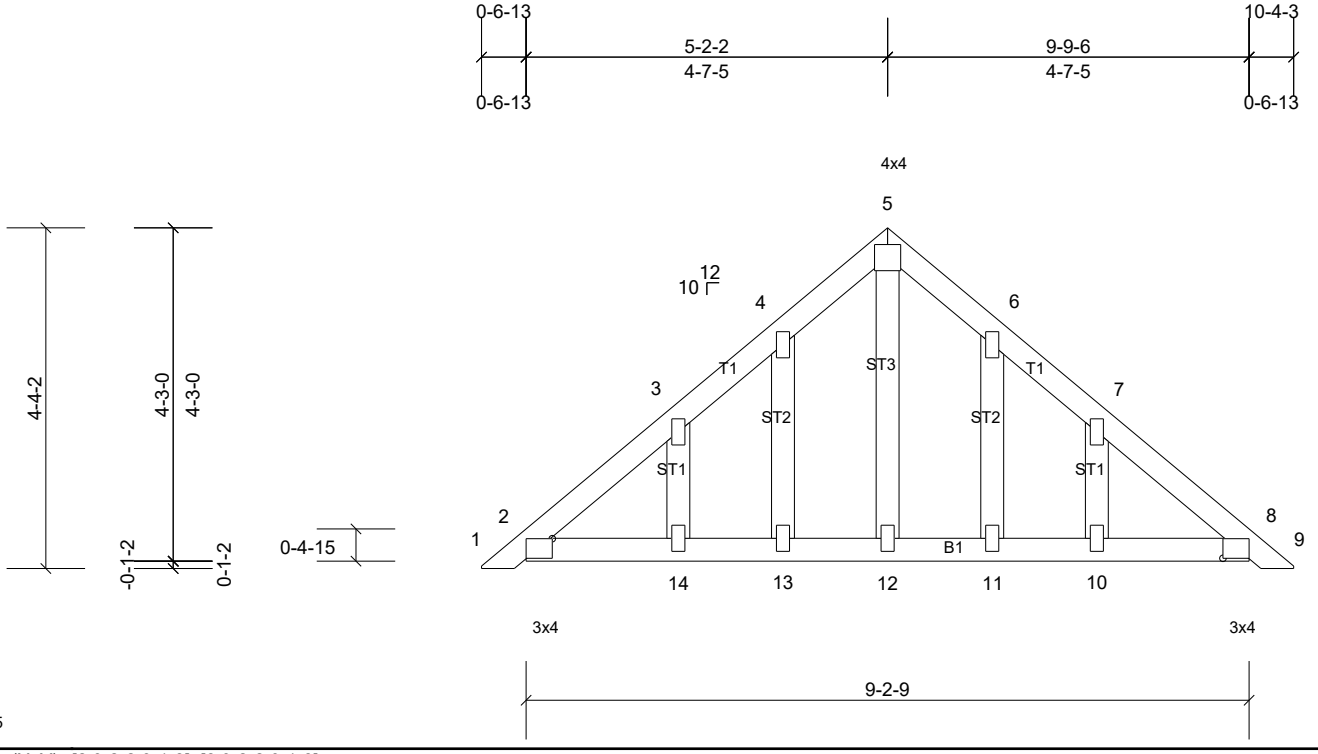
REACTIONS (lb/size) 1=248/0-3-0, (min. 0-1-8), 3=224/0-1-8, (min. 0-1-8)
Max Horiz 1=53 (LC 6)
Max Uplift 1=-25 (LC 6), 3=-54 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-3=-149/252

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1 and 54 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	PB1	Piggyback	2	1	Job Reference (optional)



Scale = 1:29.5

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

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	0.03	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	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 51 lb	FT = 20%

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

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

REACTIONS All bearings 9-2-9.
(lb) - Max Horiz 2=144 (LC 9), 15=144 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 11, 13, 15, 19 except 10=-147 (LC 11), 14=-147 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 8, 10, 11, 12, 13, 14, 15, 19

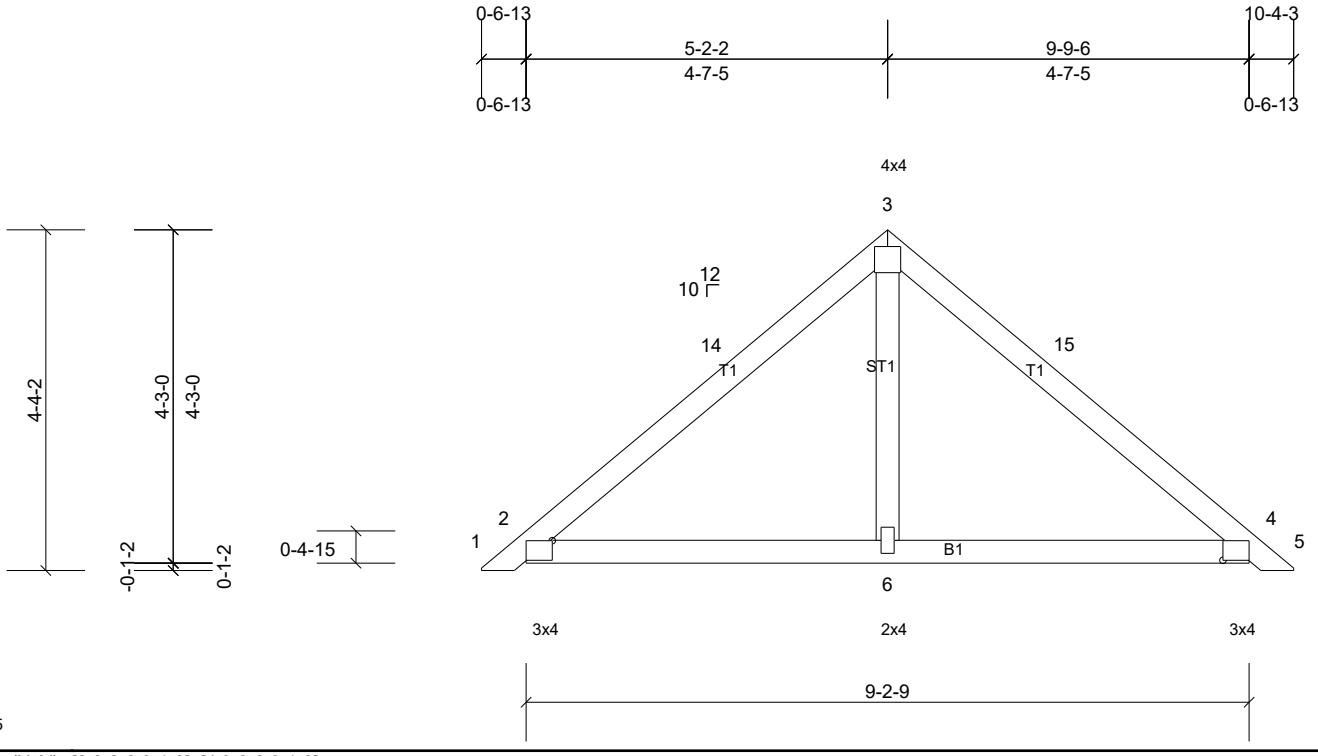
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-7 to 3-3-7, Exterior(2R) 3-3-7 to 7-2-9, Exterior(2E) 7-2-9 to 10-2-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 1 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 11, 2, 8 except (jt=lb) 14=147, 10=146.
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	
B1124-6094	PB2	Piggyback	16	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:VbOmpSGAq4RY9m_LmNYXTdyKHBs-r?lNjlykTBAkfKp5?S2tad9GfMZPaubnldsBusyKCY?



Scale = 1:29.5

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

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)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 39 lb	FT = 20%

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

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

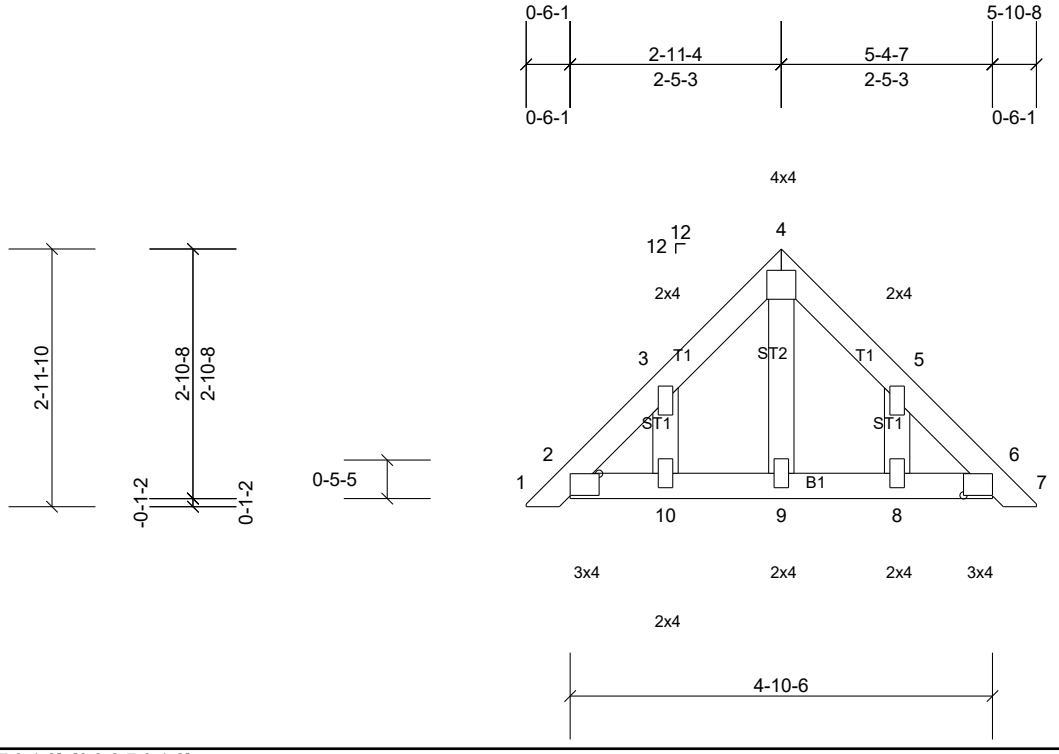
REACTIONS All bearings 9-2-9.
(lb) - Max Horiz 2=115 (LC 9), 7=115 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11
Max Grav All reactions 250 (lb) or less at joint(s) except 2=262 (LC 1), 4=262 (LC 1), 6=258 (LC 1), 7=262 (LC 1), 11=262 (LC 1)

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-3-7 to 3-3-7, Exterior(2R) 3-3-7 to 7-2-9, Exterior(2E) 7-2-9 to 10-2-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 2, 4.
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	
B1124-6094	PB3	Piggyback	2	1	Job Reference (optional)



Scale = 1:26.6

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

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	0.04	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	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 26 lb	FT = 20%

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

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

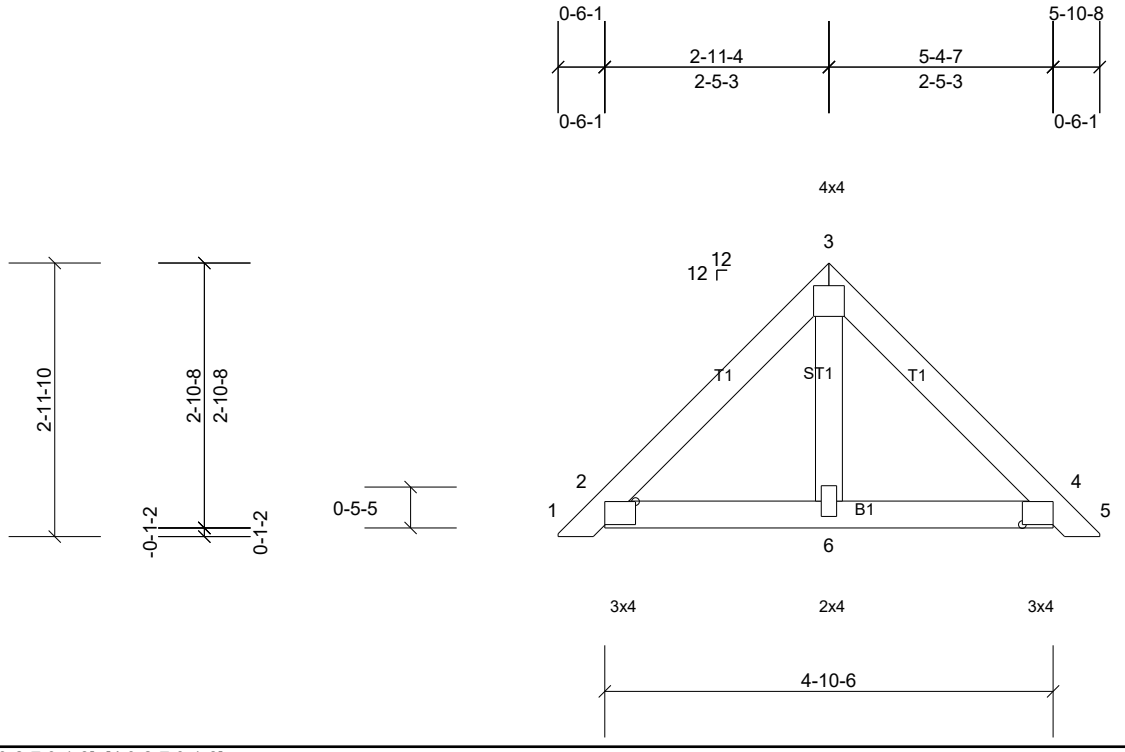
REACTIONS All bearings 4-10-6.
(lb) - Max Horiz 2=95 (LC 9), 11=95 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 11, 14 except 8=-135 (LC 11), 10=-137 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 8, 9, 10, 11, 14

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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 2, 6 except (jt=lb) 10=136, 8=135.
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	
B1124-6094	PB4	Piggyback	28	1	Job Reference (optional)



Scale = 1:25.1

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

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 23 lb	FT = 20%

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

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

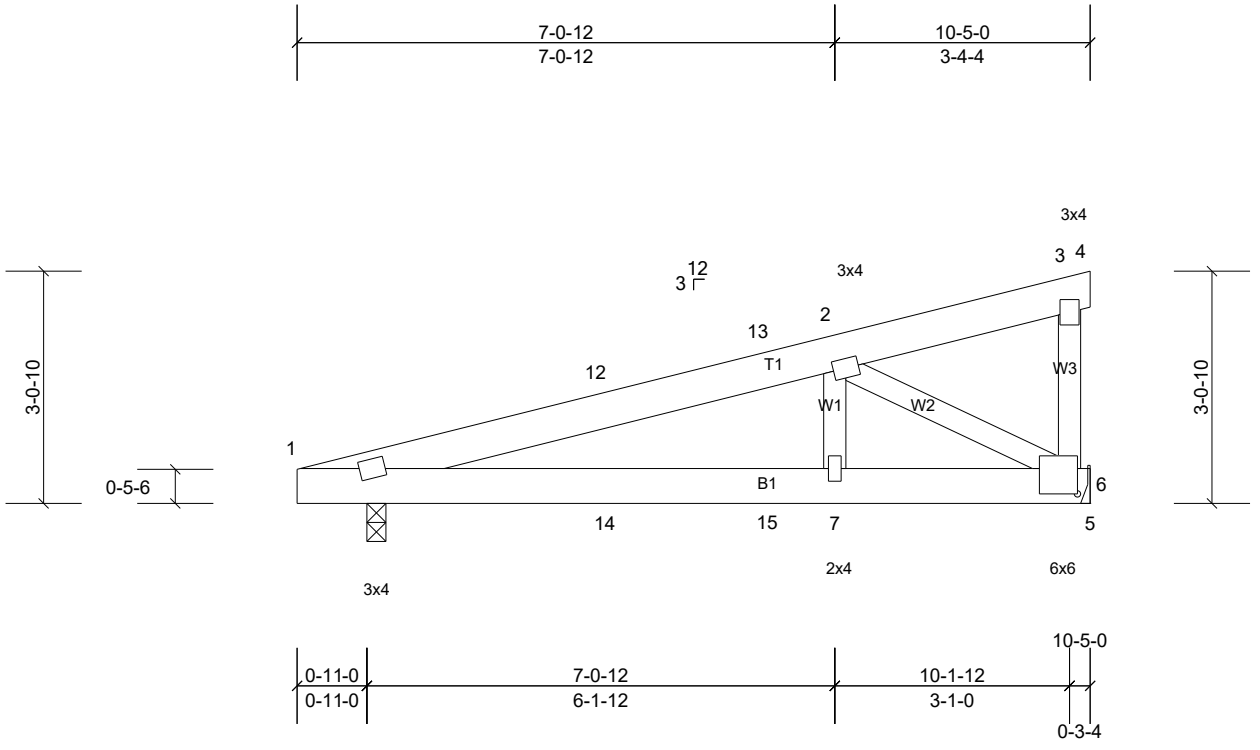
REACTIONS All bearings 4-10-6.
(lb) - Max Horiz 2=76 (LC 9), 7=76 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 7, 10

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

NOTES
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=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 2, 4.
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	
B1124-6094	X1	Jack-Closed	5	1	Job Reference (optional)



Scale = 1:30.4

Plate Offsets (X, Y): [6:0-3-0,0-4-0]

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	0.22	Vert(LL)	0.04	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	0.04	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 59 lb	FT = 20%

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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-2-2 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=385/0-3-0, (min. 0-1-8), 6=374/ Mechanical, (min. 0-1-8)
Max Horiz 1=107 (LC 9)
Max Uplift 1=-200 (LC 6), 6=-196 (LC 6)

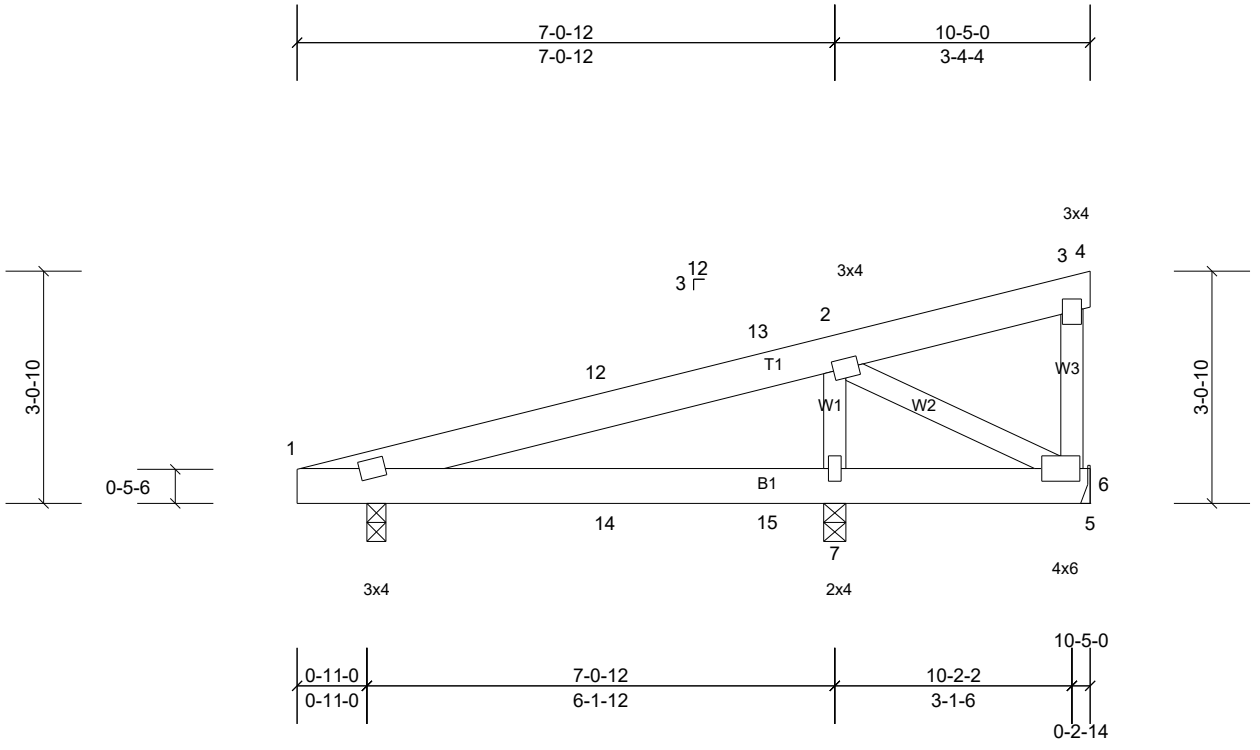
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-556/1124, 12-13=-531/1124, 2-13=-496/1133
BOT CHORD 1-14=-1087/515, 14-15=-1087/515, 7-15=-1087/515, 6-7=-1087/515
WEBS 2-7=-518/199, 2-6=-586/1315

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-8 to 4-0-8, Interior (1) 4-0-8 to 6-2-1, Exterior(2R) 6-2-1 to 10-5-0 zone; cantilever left exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 6 and 200 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	X2	Jack-Closed	10	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:lXmtwbEIFmUoia1Llx3STOyKHH3-NpB_WQy5it2t2BEvRkXe1Pd6cyFprQgeWz6dLQyKCY0



Scale = 1:30.4

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	0.16	Vert(LL)	0.04	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	0.03	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 59 lb	FT = 20%

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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

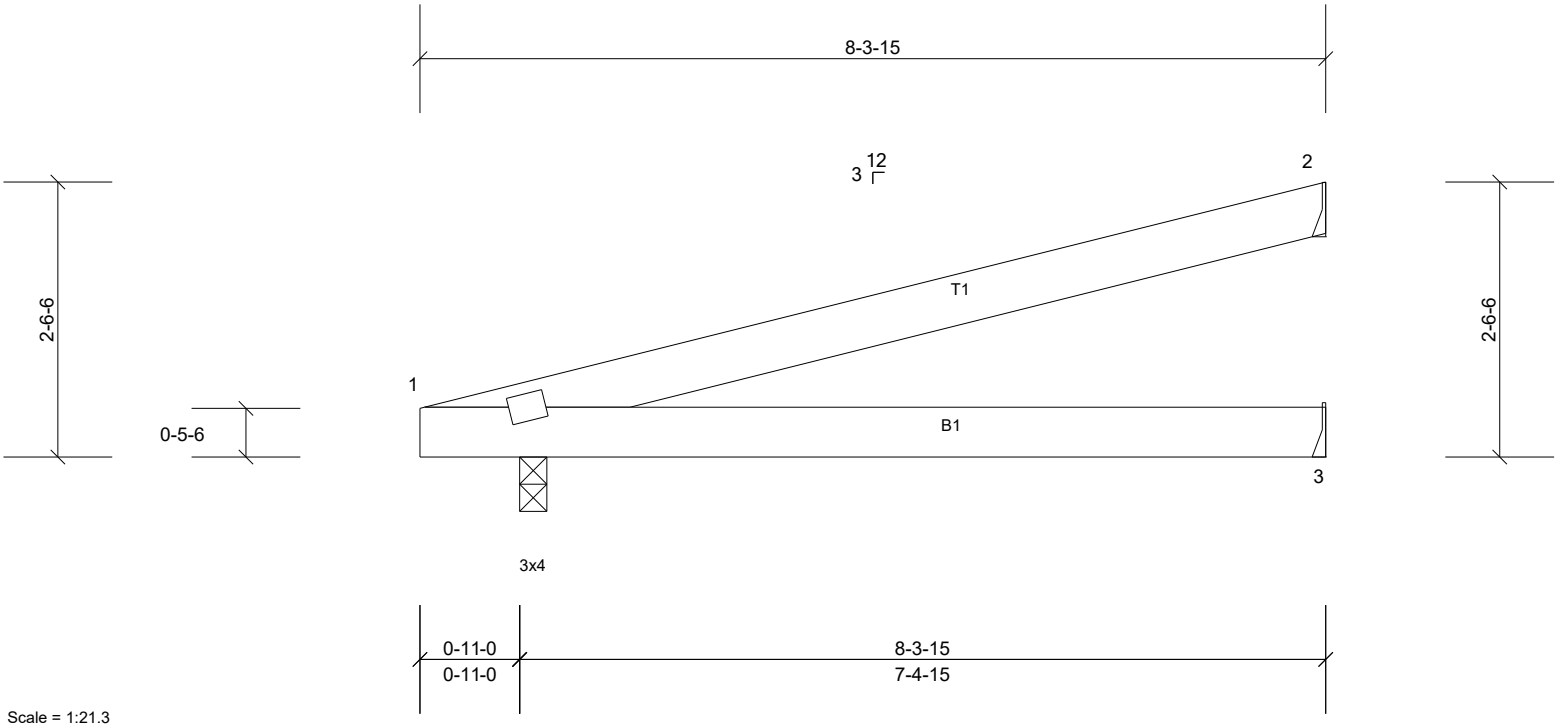
REACTIONS (lb/size) 1=260/0-3-0, (min. 0-1-8), 6=129/ Mechanical, (min. 0-1-8), 7=372/0-3-8, (min. 0-1-8)
Max Horiz 1=108 (LC 9)
Max Uplift 1=-138 (LC 6), 6=-38 (LC 10), 7=-146 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-163/263, 12-13=-139/265, 2-13=-108/274
BOT CHORD 1-14=-262/158, 14-15=-262/158, 7-15=-262/158, 6-7=-262/158
WEBS 2-6=-159/392

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-0-8 to 4-0-8, Interior (1) 4-0-8 to 6-2-1, Exterior(2R) 6-2-1 to 10-5-0 zone; cantilever left exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 7, 38 lb uplift at joint 6 and 138 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	Y1	Jack-Open	4	1	Job Reference (optional)



Scale = 1:21.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	0.16	3-5	>631	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	0.14	3-5	>721	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 39 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 8-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 1=310/0-3-0, (min. 0-1-8), 2=192/ Mechanical, (min. 0-1-8), 3=95/ Mechanical, (min. 0-1-8)
Max Horiz 1=68 (LC 6)
Max Uplift 1=-156 (LC 6), 2=-94 (LC 6), 3=-65 (LC 6)
Max Grav 1=310 (LC 1), 2=192 (LC 1), 3=132 (LC 3)

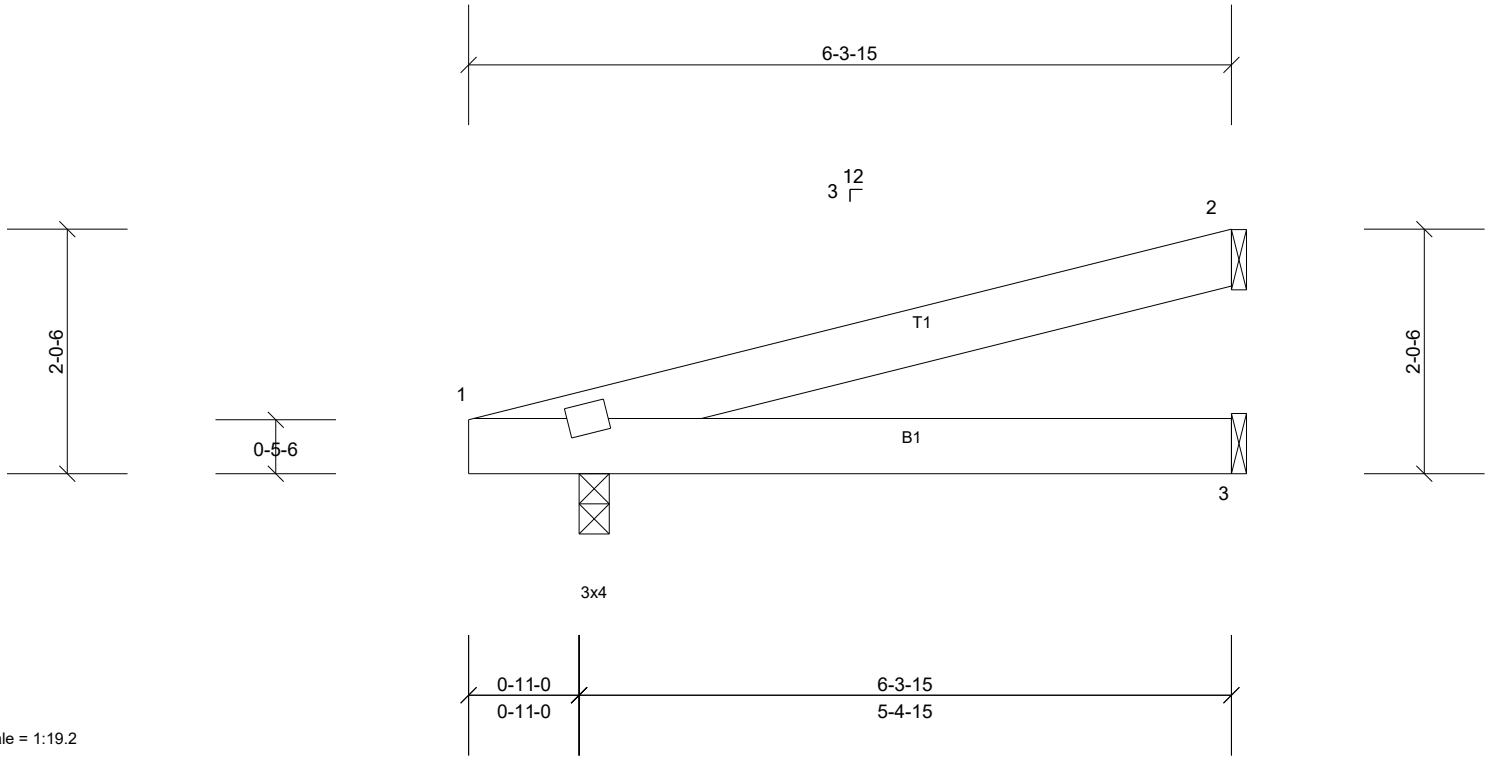
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 2, 65 lb uplift at joint 3 and 156 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	Y2	Jack-Open	4	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:Vmk3RpWAyEZYdI5gkuclTMyKHPk-r?INjlykTBAkfKp5?S2tad9GbMZzau?nldsBusyKCY?



Scale = 1:19.2

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	0.21	Vert(LL)	0.04	3-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	0.04	3-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 30 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

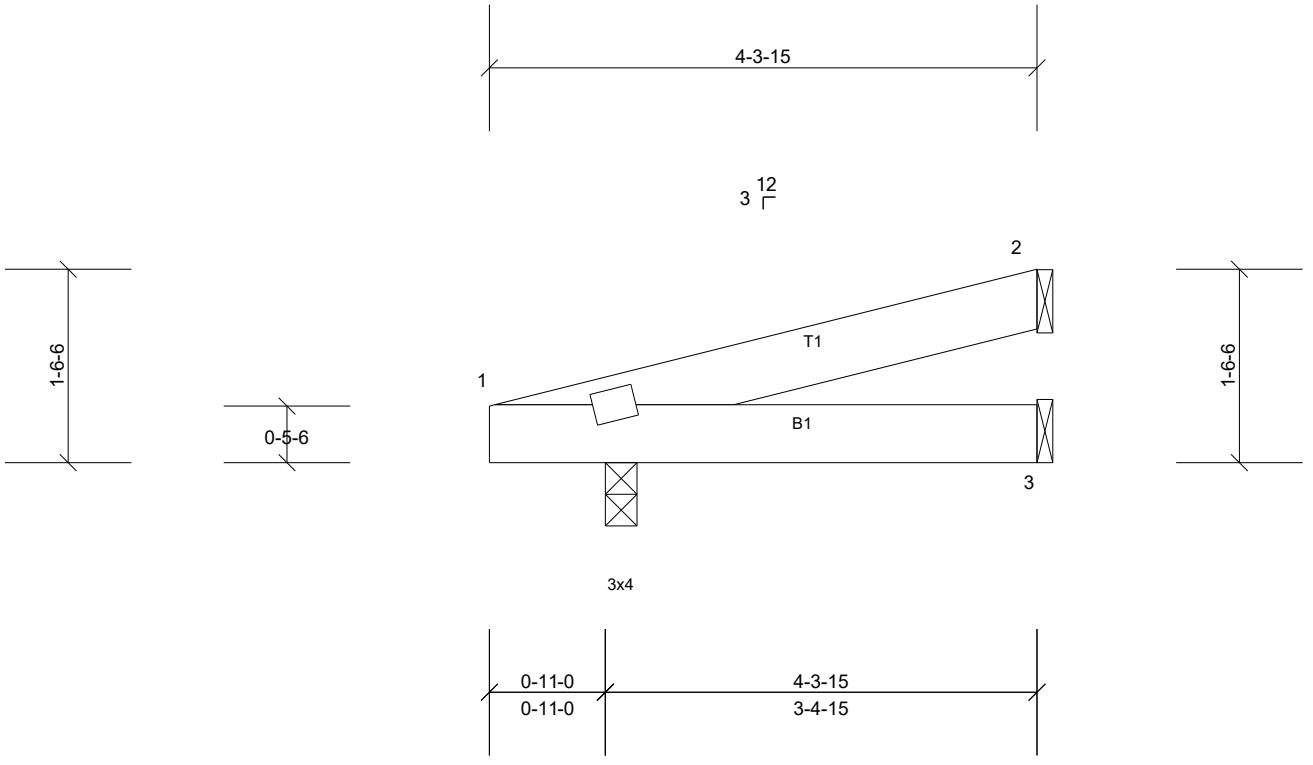
REACTIONS (lb/size) 1=231/0-3-0, (min. 0-1-8), 2=137/ Mechanical, (min. 0-1-8), 3=70/ Mechanical, (min. 0-1-8)
Max Horiz 1=49 (LC 6)
Max Uplift 1=-117 (LC 6), 2=-68 (LC 6), 3=-48 (LC 6)
Max Grav 1=231 (LC 1), 2=137 (LC 1), 3=94 (LC 3)

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

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 2, 48 lb uplift at joint 3 and 117 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	Y3	Jack-Open	4	1	Job Reference (optional)



Scale = 1:18.3

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	0.07	Vert(LL)	0.01	3-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.01	3-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 20 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

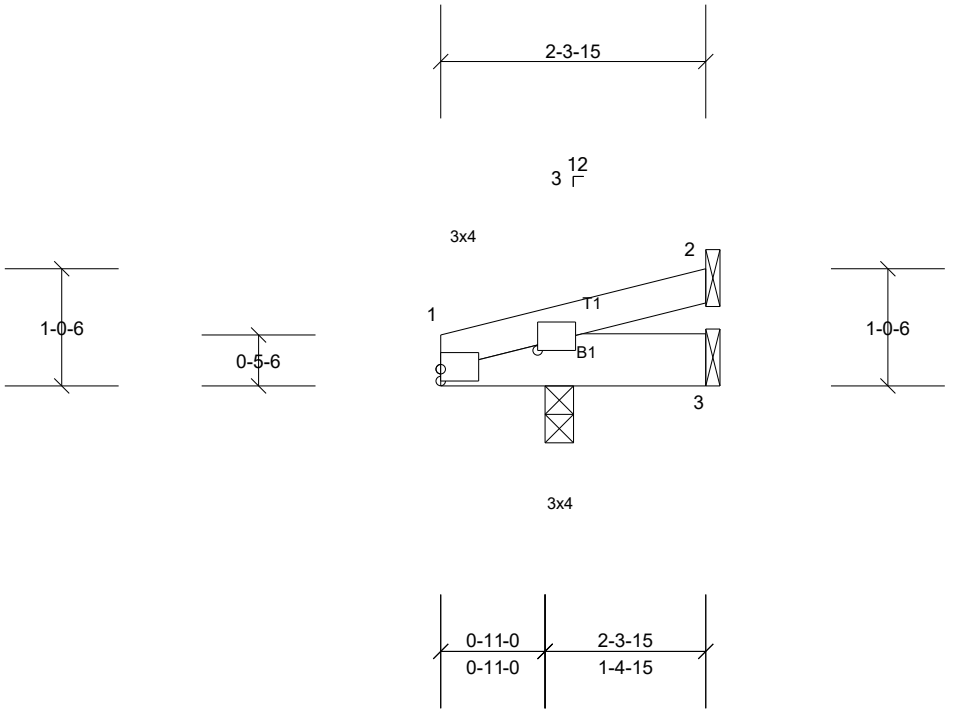
REACTIONS (lb/size) 1=152/0-3-0, (min. 0-1-8), 2=81/ Mechanical, (min. 0-1-8), 3=45/ Mechanical, (min. 0-1-8)
Max Horiz 1=30 (LC 6)
Max Uplift 1=-79 (LC 6), 2=-41 (LC 6), 3=-30 (LC 6)
Max Grav 1=152 (LC 1), 2=81 (LC 1), 3=55 (LC 3)

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

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 2, 30 lb uplift at joint 3 and 79 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	Y4	Jack-Open	4	1	Job Reference (optional)



Scale = 1:20.3

Plate Offsets (X, Y): [1:0-10-3,0-2-0], [1:Edge,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	0.02	Vert(LL)	0.00	4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 9 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 1=152/0-3-0, (min. 0-1-8), 2=23/ Mechanical, (min. 0-1-8), 3=6/ Mechanical, (min. 0-1-8)
Max Horiz 1=21 (LC 6)
Max Uplift 1=-24 (LC 6), 2=-12 (LC 6)
Max Grav 1=152 (LC 1), 2=23 (LC 1), 3=15 (LC 3)

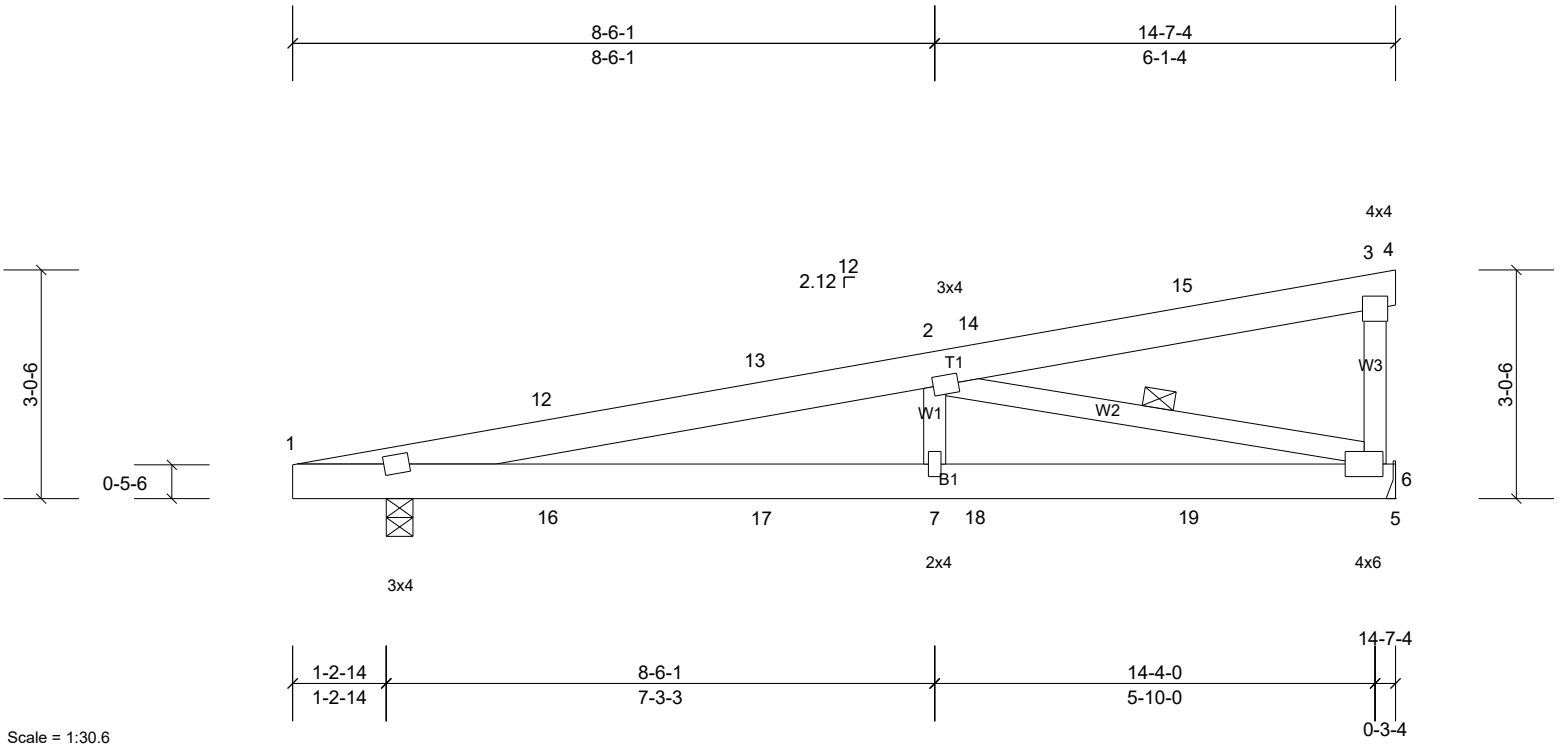
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 1 and 12 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
B1124-6094	Z1	Diagonal Hip Girder	2	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Mon Nov 11 17:06:54 Page: 1
ID:pr?PFYnD9nJgG7cZ8ro4ZByKH9u-r?INjIykTBAkfKp5?S2tad9DjMVWapLnldsBusyKCY?



Scale = 1:30.6

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	0.40	Vert(LL)	0.10	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 82 lb	FT = 20%

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

REACTIONS (lb/size) 1=710/0-4-4, (min. 0-1-8), 6=933/ Mechanical, (min. 0-1-8)
Max Horiz 1=104 (LC 7)
Max Uplift 1=-387 (LC 4), 6=-512 (LC 4)

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-11 oc bracing.
WEBS 1 Row at midpt 2-6

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-2003/1074, 12-13=-1976/1078, 2-13=-1966/1083, 3-6=-291/145
BOT CHORD 1-16=-1079/1945, 16-17=-1079/1945, 7-17=-1079/1945, 7-18=-1079/1945, 18-19=-1079/1945, 6-19=-1079/1945
WEBS 2-6=-1905/1069, 2-7=-175/374

NOTES
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 6 and 387 lb uplift at joint 1.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 15 lb down and 16 lb up at 3-4-9, 15 lb down and 16 lb up at 3-4-9, 35 lb down and 49 lb up at 6-2-8, 35 lb down and 49 lb up at 6-2-8, 63 lb down and 69 lb up at 9-0-7, 63 lb down and 69 lb up at 9-0-7, and 107 lb down and 88 lb up at 11-10-6, and 107 lb down and 88 lb up at 11-10-6 on top chord, and 0 lb down and 1 lb up at 3-4-9, 0 lb down and 1 lb up at 3-4-9, 20 lb down and 44 lb up at 6-2-8, 20 lb down and 44 lb up at 6-2-8, 42 lb down and 62 lb up at 9-0-7, 42 lb down and 62 lb up at 9-0-7, and 76 lb down and 79 lb up at 11-10-6, and 76 lb down and 79 lb up at 11-10-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 3-10=-60, 3-4=-20, 1-5=-20
Concentrated Loads (lb)
Vert: 13=-4 (F=-2, B=-2), 14=-104 (F=-52, B=-52), 15=-215 (F=-107, B=-107), 16=3 (F=1, B=1), 17=-33 (F=-16, B=-16), 18=-84 (F=-42, B=-42), 19=-134 (F=-67, B=-67)