Job	Truss	Truss Type	Qty	Ply	
J0125-0233	A1-GE	Roof Special Supported Gable	2	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tue Feb 04 09:01:44 Page: 1
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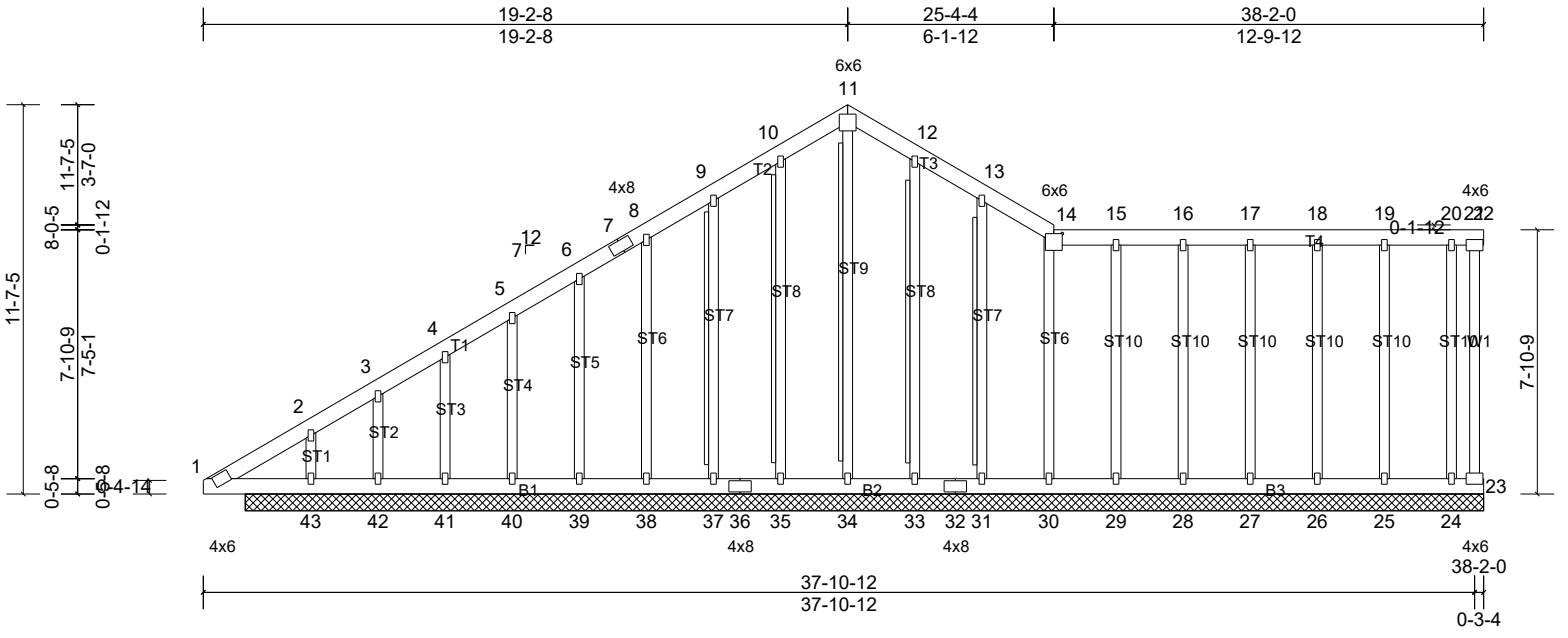

Scale = 1:69

Plate Offsets (X, Y): [14:0-3-0,0-3-4]

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	0.61	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horiz(TL)	-0.06	22	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 379 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 *Except* O3,O2,O1,O4,O5:2x4 SPF No.2(flat)

REACTIONS All bearings 36-11-0.
(lb) - Max Horiz 43=419 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 22, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 37, 38, 39, 40, 41 except 23=-208 (LC 9), 42=-461 (LC 7), 43=-173 (LC 6)
Max Grav All reactions 250 (lb) or less at joint(s) 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 37, 38, 39, 40, 41 except 42=267 (LC 8), 43=767 (LC 18)

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 - 11-34, 10-35, 9-37, 12-33, 13-31
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.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-352/416, 2-3=-420/439, 3-4=-295/342, 4-5=-293/311, 5-6=-278/271, 6-7=-263/249, 7-8=-245/255, 8-9=-249/325, 9-10=-237/403, 10-11=-209/439, 11-12=-190/439, 12-13=-182/406, 13-14=-155/317
BOT CHORD 1-43=-398/354
WEBS 11-34=-289/117, 2-43=-354/110

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 Corner(3E) 0-1-13 to 3-11-10, Exterior(2N) 3-11-10 to 15-2-8, Corner(3R) 15-2-8 to 23-2-8, Exterior(2N) 23-2-8 to 38-2-0 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) 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 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 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) 22, 34, 35, 37, 38, 39, 40, 41, 33, 31, 30, 29, 28, 27, 26, 25, 24 except (jt=lb) 23=207, 42=461, 43=172.
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	
J0125-0233	A2	Roof Special	2	1	Job Reference (optional)

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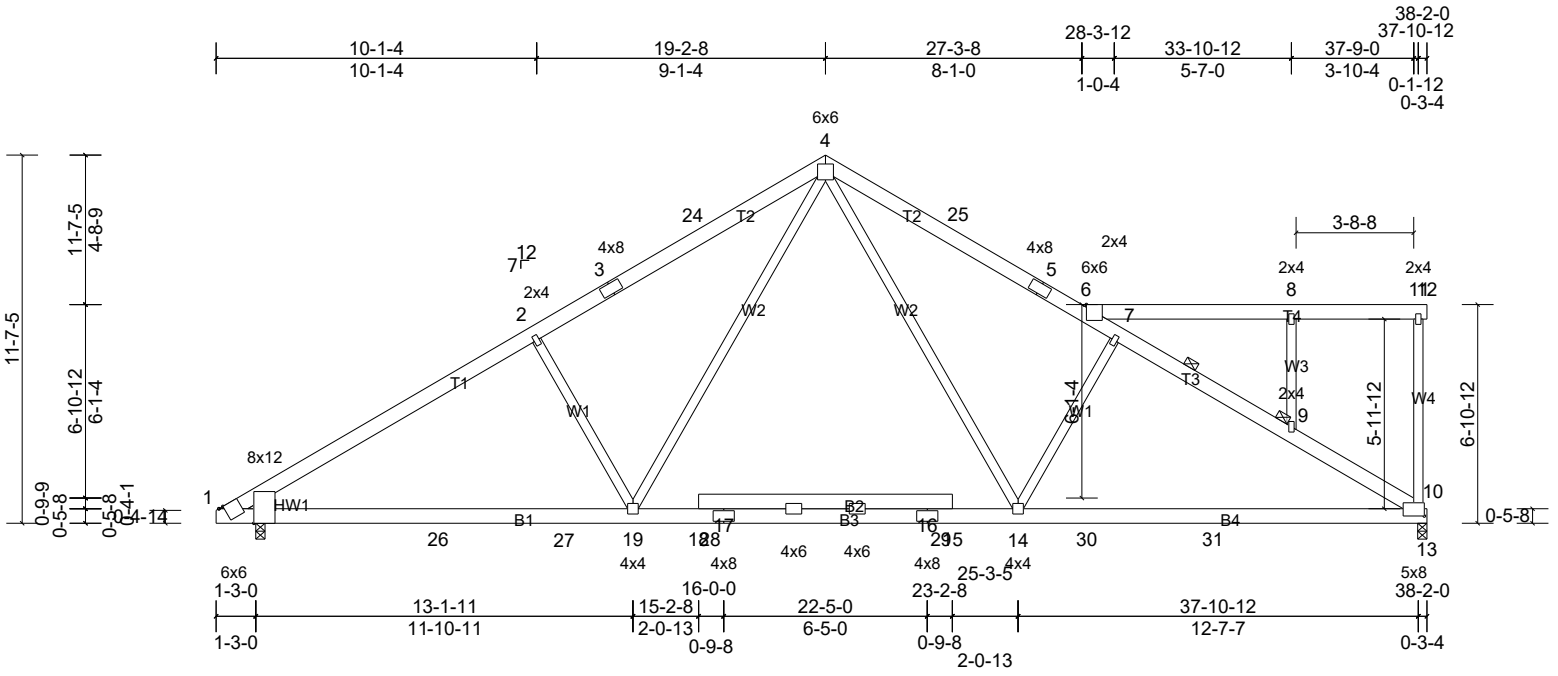

Scale = 1:72.9

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

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	0.69	Vert(LL)	-0.19	10-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.35	10-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 306 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 1=1487/0-3-8, (min. 0-2-2), 10=1470/0-3-8, (min. 0-2-0)
Max Horiz 1=281 (LC 7)
Max Uplift 1=-170 (LC 10), 10=-227 (LC 11)
Max Grav 1=1819 (LC 17), 10=1677 (LC 2)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-7 oc purlins. Except:
1 Row at midpt	6-9
BOT CHORD	Rigid ceiling directly applied or 9-7-8 oc bracing.
JOINTS	1 Brace at Jt(s): 9

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=-2497/626, 2-3=-2304/641, 3-24=-2182/666, 4-24=-2167/692, 4-25=-2225/669, 5-25=-2244/644, 5-6=-2331/628, 6-7=-2426/680, 7-9=-2417/672, 9-10=-2507/757
BOT CHORD	1-26=-653/2192, 26-27=-653/2192, 19-27=-653/2192, 18-19=-378/1474, 18-28=-373/1372, 17-28=-372/1378, 16-17=-378/1474, 16-29=-372/1365, 15-29=-373/1359, 14-15=-378/1474, 14-30=-610/2122, 30-31=-610/2122, 10-31=-610/2122
WEBS	4-19=-214/1005, 7-14=-533/311, 2-19=-490/358, 4-14=-172/1100, 8-9=-269/164

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) 1-4-12 to 5-2-9, Interior (1) 5-2-9 to 15-4-11, Exterior(2R) 15-4-11 to 23-0-5, Interior (1) 23-0-5 to 34-4-3, Exterior(2E) 34-4-3 to 38-2-0 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 170 lb uplift at joint 1 and 227 lb uplift at joint 10.
8) 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	
J0125-0233	A3	Roof Special	2	1	Job Reference (optional)

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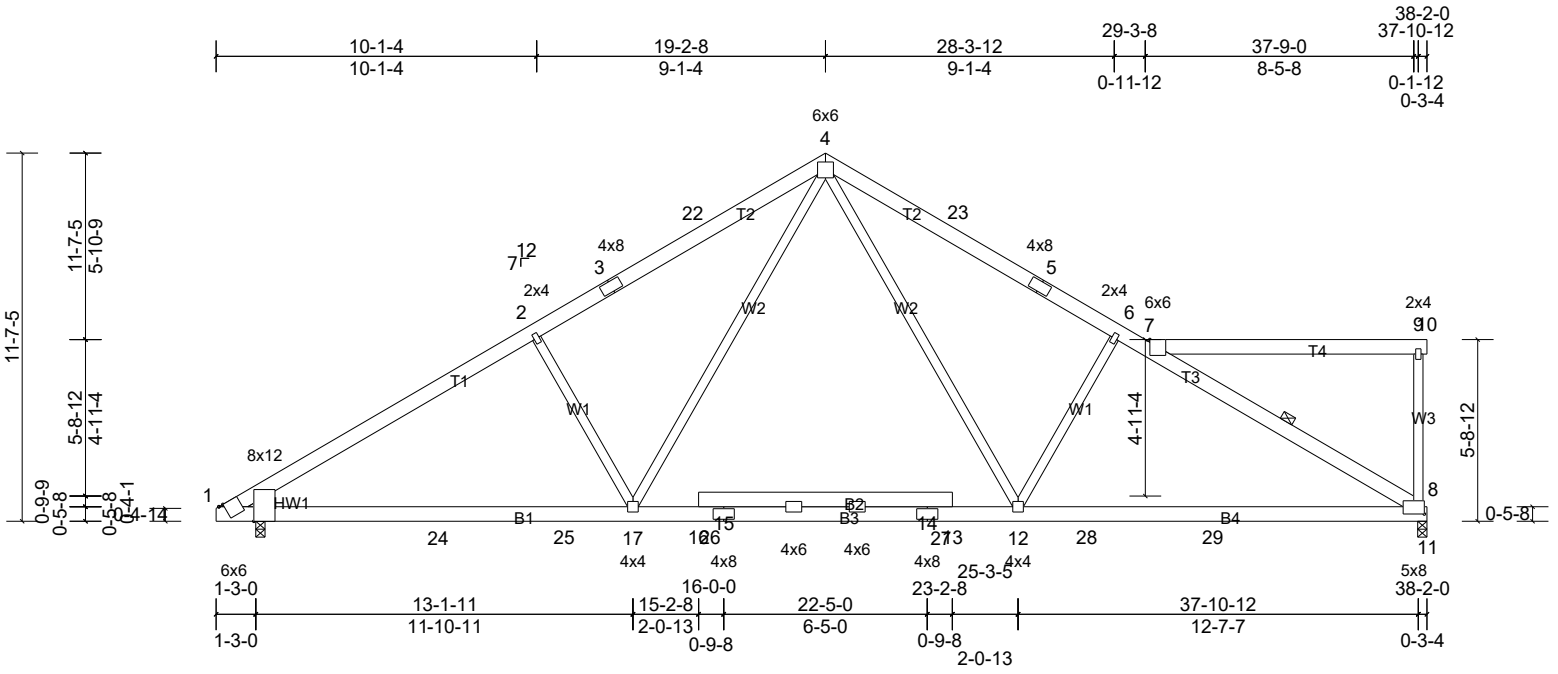


Scale = 1:72.9

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

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	0.79	Vert(LL)	-0.20	8-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.36	8-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 294 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-7 oc purlins. Except:
1 Row at midpt	7-8
BOT CHORD	Rigid ceiling directly applied or 9-10-14 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=1487/0-3-8, (min. 0-2-2), 8=1470/0-3-8, (min. 0-2-0)
Max Horiz 1=282 (LC 7)
Max Uplift 1=-175 (LC 10), 8=-220 (LC 11)
Max Grav 1=1816 (LC 17), 8=1677 (LC 2)

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

TOP CHORD 1-2=-2493/641, 2-3=-2300/656, 3-22=-2178/680, 4-22=-2164/706, 4-23=-2220/691, 5-23=-2236/665, 5-6=-2356/650, 6-7=-2365/626, 7-8=-2471/699

BOT CHORD 1-24=-615/2198, 24-25=-615/2198, 17-25=-615/2198, 16-17=-340/1478, 16-26=-336/1375, 15-26=-335/1382, 14-15=-340/1478, 14-27=-336/1369, 13-27=-337/1363, 12-13=-340/1478, 12-28=-593/2125, 28-29=-593/2125, 8-29=-593/2125

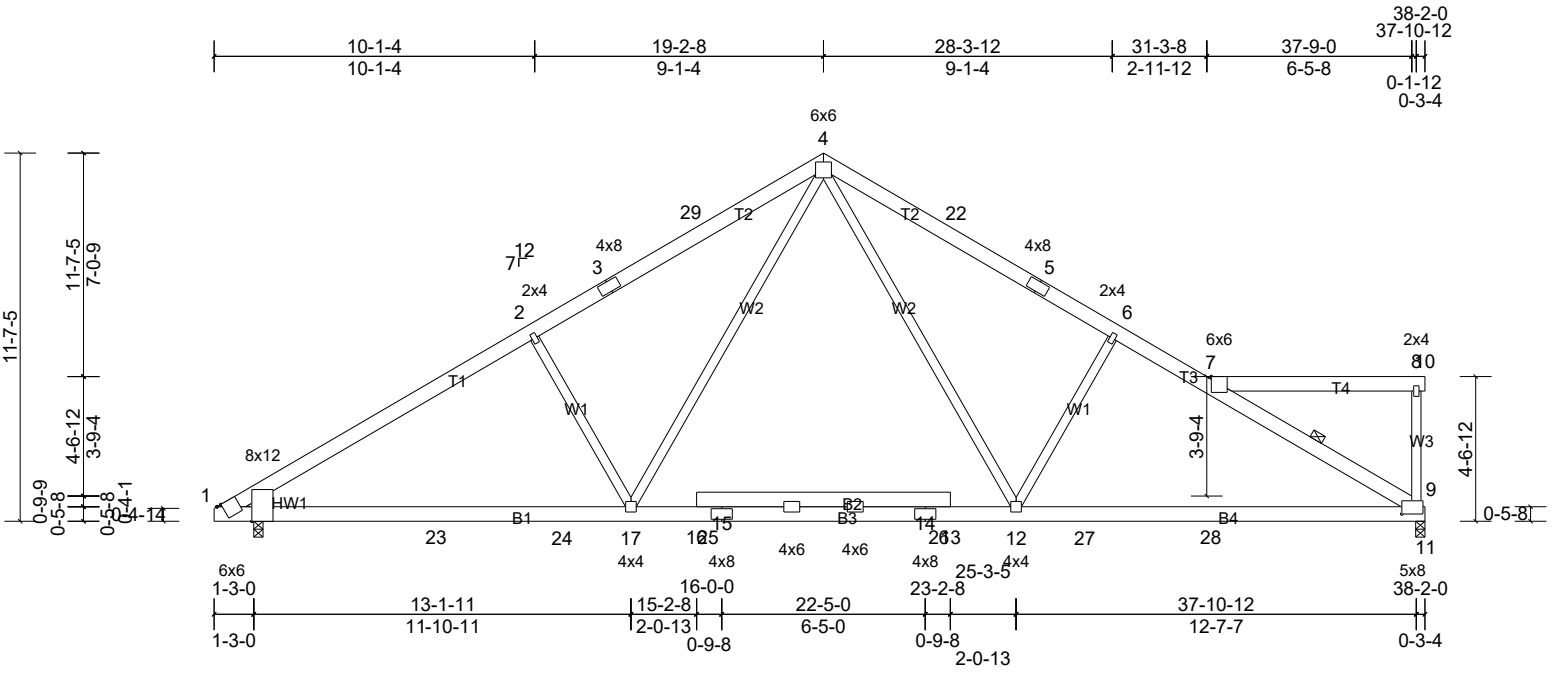
WEBS 4-17=-216/1007, 6-12=-537/337, 2-17=-493/357, 4-12=-189/1120

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) 1-4-12 to 5-2-9, Interior (1) 5-2-9 to 15-4-11, Exterior(2R) 15-4-11 to 23-0-5, Interior (1) 23-0-5 to 34-4-3, Exterior(2E) 34-4-3 to 38-2-0 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 175 lb uplift at joint 1 and 220 lb uplift at joint 8.
8) 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	
J0125-0233	A4	Roof Special	2	1	Job Reference (optional)



Scale = 1:72.9

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

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	0.48	Vert(LL)	-0.19	9-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.36	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 288 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-7 oc purlins. Except:
1 Row at midpt	7-9
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=1487/0-3-8, (min. 0-2-2), 9=1470/0-3-8, (min. 0-2-0)
Max Horiz 1=284 (LC 7)
Max Uplift 1=-178 (LC 10), 9=-214 (LC 11)
Max Grav 1=1814 (LC 17), 9=1677 (LC 2)

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

TOP CHORD	4-22=-2215/718, 5-22=-2230/693, 5-6=-2351/668, 6-7=-2412/653, 7-9=-2484/693, 1-2=-2490/652, 2-3=-2296/666, 3-29=-2174/691, 4-29=-2160/717
BOT CHORD	1-23=-575/2204, 23-24=-575/2204, 17-24=-575/2204, 16-17=-301/1485, 16-25=-299/1382, 15-25=-298/1388, 14-15=-301/1485, 14-26=-298/1375, 13-26=-299/1369, 12-13=-301/1485, 12-27=-576/2125, 27-28=-576/2125, 9-28=-576/2125
WEBS	4-17=-214/1007, 6-12=-536/358, 2-17=-493/357, 4-12=-216/1170

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) 1-4-12 to 5-2-9, Interior (1) 5-2-9 to 15-4-11, Exterior(2R) 15-4-11 to 23-0-5, Interior (1) 23-0-5 to 34-4-3, Exterior(2E) 34-4-3 to 38-2-0 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 178 lb uplift at joint 1 and 214 lb uplift at joint 9.
8) 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	
J0125-0233	A5	Roof Special	2	1	Job Reference (optional)

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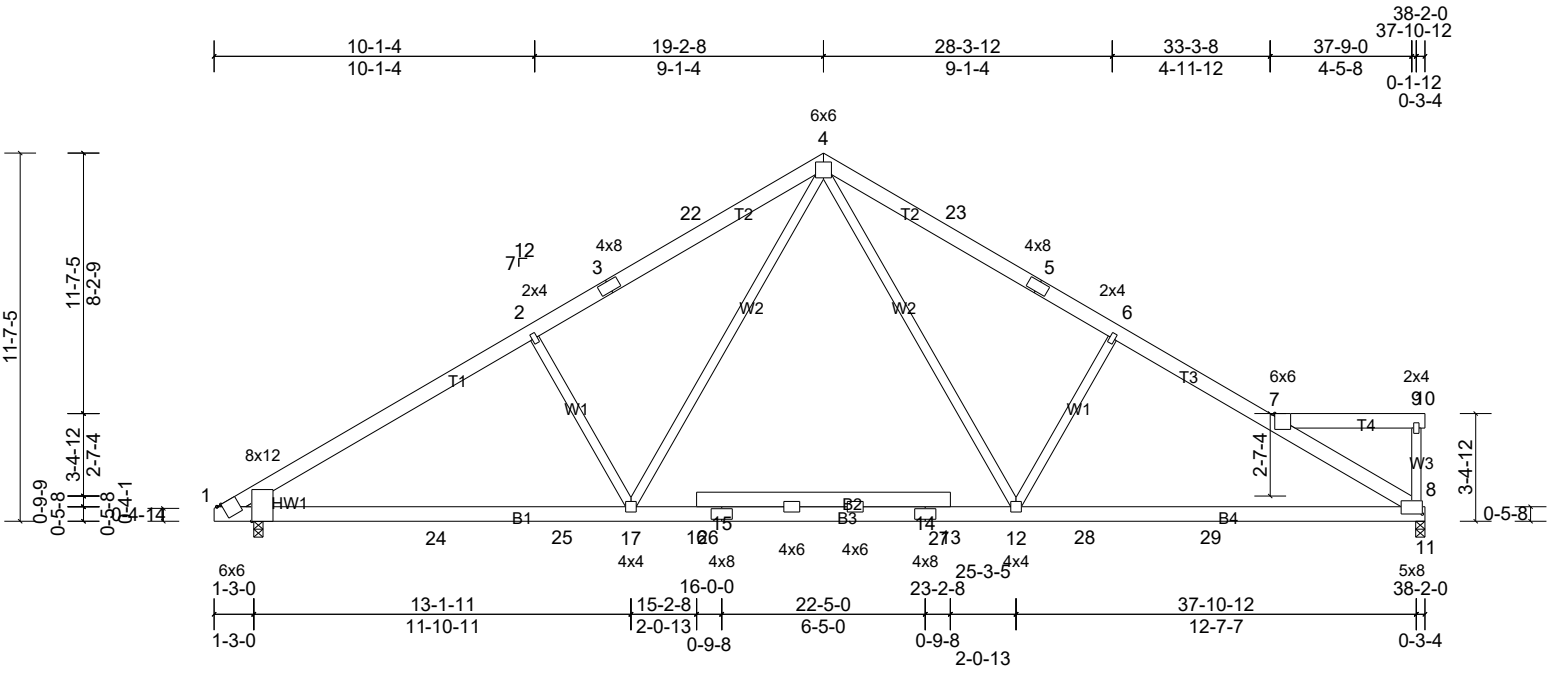


Scale = 1:72.9

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

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	0.95	Vert(LL)	-0.19	8-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.35	8-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 282 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-7 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.

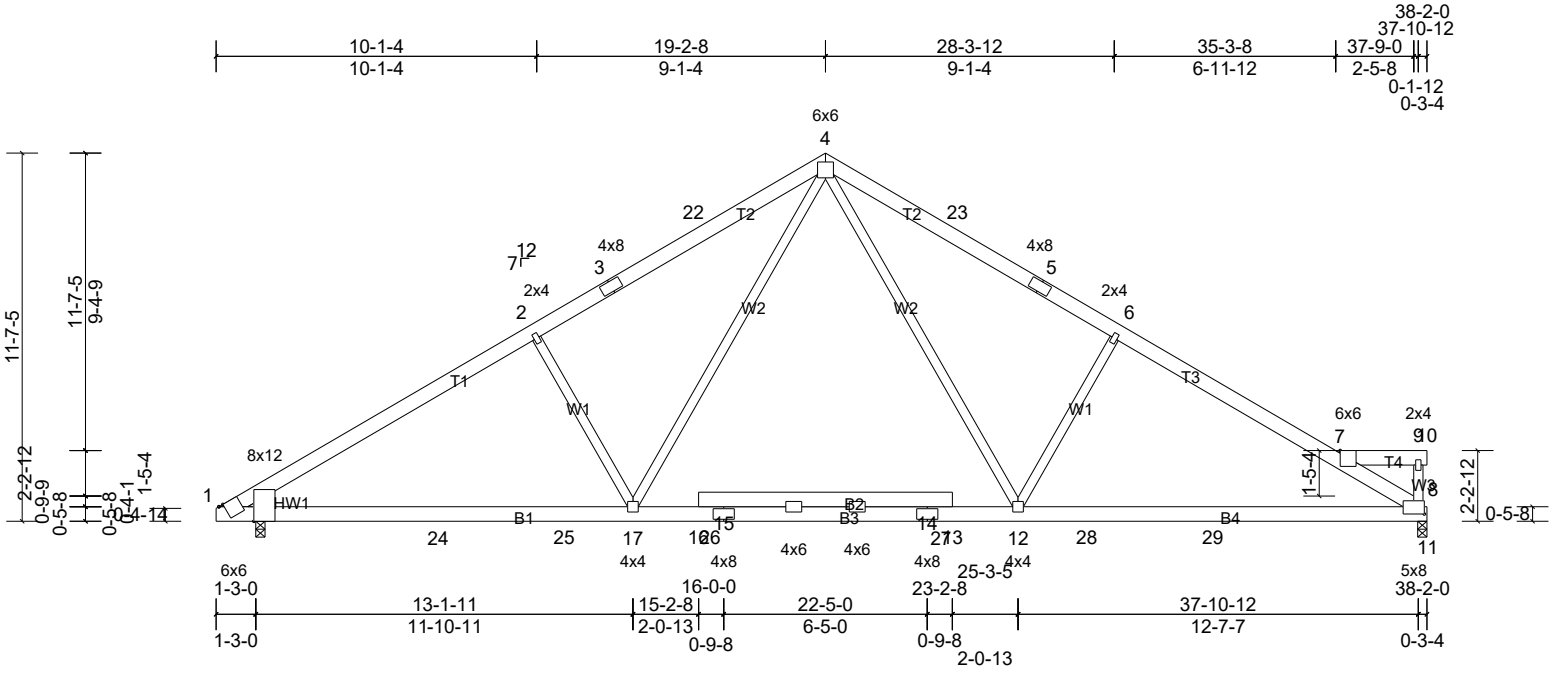
REACTIONS (lb/size) 1=1487/0-3-8, (min. 0-2-2), 8=1470/0-3-8, (min. 0-2-0)
Max Horiz 1=285 (LC 7)
Max Uplift 1=-181 (LC 10), 8=-210 (LC 11)
Max Grav 1=1813 (LC 17), 8=1677 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2487/660, 2-3=-2293/675, 3-22=-2172/700, 4-22=-2157/725, 4-23=-2263/742, 5-23=-2272/717, 5-6=-2399/691, 6-7=-2501/676, 7-8=-2532/686
BOT CHORD 1-24=-532/2212, 24-25=-532/2212, 17-25=-532/2212, 16-17=-259/1492, 16-26=-259/1388, 15-26=-258/1394, 14-15=-259/1492, 14-27=-257/1382, 13-27=-258/1376, 12-13=-259/1492, 12-28=-554/2159, 28-29=-554/2159, 8-29=-554/2159
WEBS 4-17=-212/1008, 4-12=-239/1216, 2-17=-493/358, 6-12=-560/376

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) 1-4-12 to 5-2-9, Interior (1) 5-2-9 to 15-4-11, Exterior(2R) 15-4-11 to 23-0-5, Interior (1) 23-0-5 to 34-4-3, Exterior(2E) 34-4-3 to 38-2-0 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 181 lb uplift at joint 1 and 210 lb uplift at joint 8.
8) 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	
J0125-0233	A6	Roof Special	2	1	Job Reference (optional)



Scale = 1:72.9

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

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	0.43	Vert(LL)	-0.18	8-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.34	8-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 275 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-7 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=1487/0-3-8, (min. 0-2-2), 8=1470/0-3-8, (min. 0-2-0)
Max Horiz 1=287 (LC 7)
Max Uplift 1=-183 (LC 10), 8=-207 (LC 11)
Max Grav 1=1812 (LC 17), 8=1702 (LC 18)

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

TOP CHORD 1-2=-2486/665, 2-3=-2292/680, 3-22=-2170/705, 4-22=-2155/730, 4-23=-2296/758, 5-23=-2303/733, 5-6=-2432/708, 6-7=-2571/692, 7-8=-2586/680

BOT CHORD 1-24=-487/2220, 24-25=-487/2220, 17-25=-487/2220, 16-17=-214/1499, 16-26=-217/1396, 15-26=-215/1402, 14-15=-214/1499, 14-27=-214/1390, 13-27=-215/1384, 12-13=-214/1499, 12-28=-523/2185, 28-29=-523/2185, 8-29=-523/2185

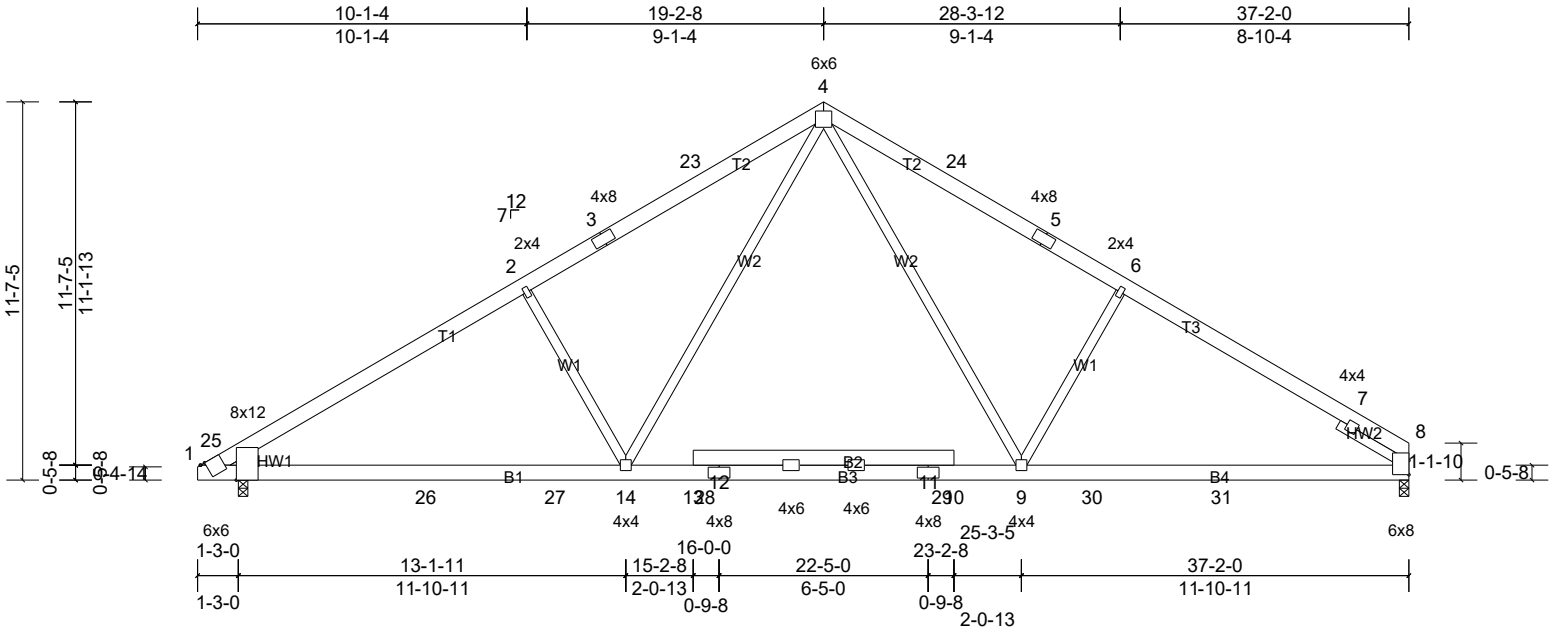
WEBS 4-17=-210/1008, 4-12=-255/1249, 2-17=-493/358, 6-12=-589/387

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) 1-4-12 to 5-2-5, Interior (1) 5-2-5 to 15-4-15, Exterior(2R) 15-4-15 to 23-0-1, Interior (1) 23-0-1 to 35-2-12, Exterior(2E) 35-2-12 to 38-2-0 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 183 lb uplift at joint 1 and 207 lb uplift at joint 8.
8) 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	
J0125-0233	A7	Common	2	1	Job Reference (optional)



Scale = 1:71

Plate Offsets (X, Y): [1:0-1-11,Edge], [1:0-5-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.17	9-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.28	9-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 267 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-7 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=1457/0-3-8, (min. 0-2-1), 8=1430/0-3-8, (min. 0-2-1)
Max Horiz 1=-291 (LC 6)
Max Uplift 1=-181 (LC 10), 8=-196 (LC 11)
Max Grav 1=1765 (LC 17), 8=1732 (LC 18)

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

TOP CHORD	1-2=-2431/652, 2-3=-2237/667, 3-23=-2116/692, 4-23=-2099/717, 4-24=-2129/723, 5-24=-2145/698, 5-6=-2268/673, 6-7=-2430/658, 7-8=-993/15
BOT CHORD	1-26=-428/2183, 26-27=-428/2183, 14-27=-428/2183, 13-14=-155/1451, 13-28=-159/1344, 12-28=-158/1350, 11-12=-155/1451, 11-29=-157/1348, 10-29=-158/1342, 9-10=-155/1451, 9-30=-434/1996, 30-31=-434/1996, 8-31=-434/1996
WEBS	2-14=-493/357, 4-14=-212/1033, 4-9=-222/1084, 6-9=-505/360

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 1-4-12 to 5-1-6, Interior (1) 5-1-6 to 15-5-14, Exterior(2R) 15-5-14 to 22-11-2, Interior (1) 22-11-2 to 33-5-6, Exterior(2E) 33-5-6 to 37-2-0 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) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 1 and 196 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	A8	Common	8	1	Job Reference (optional)

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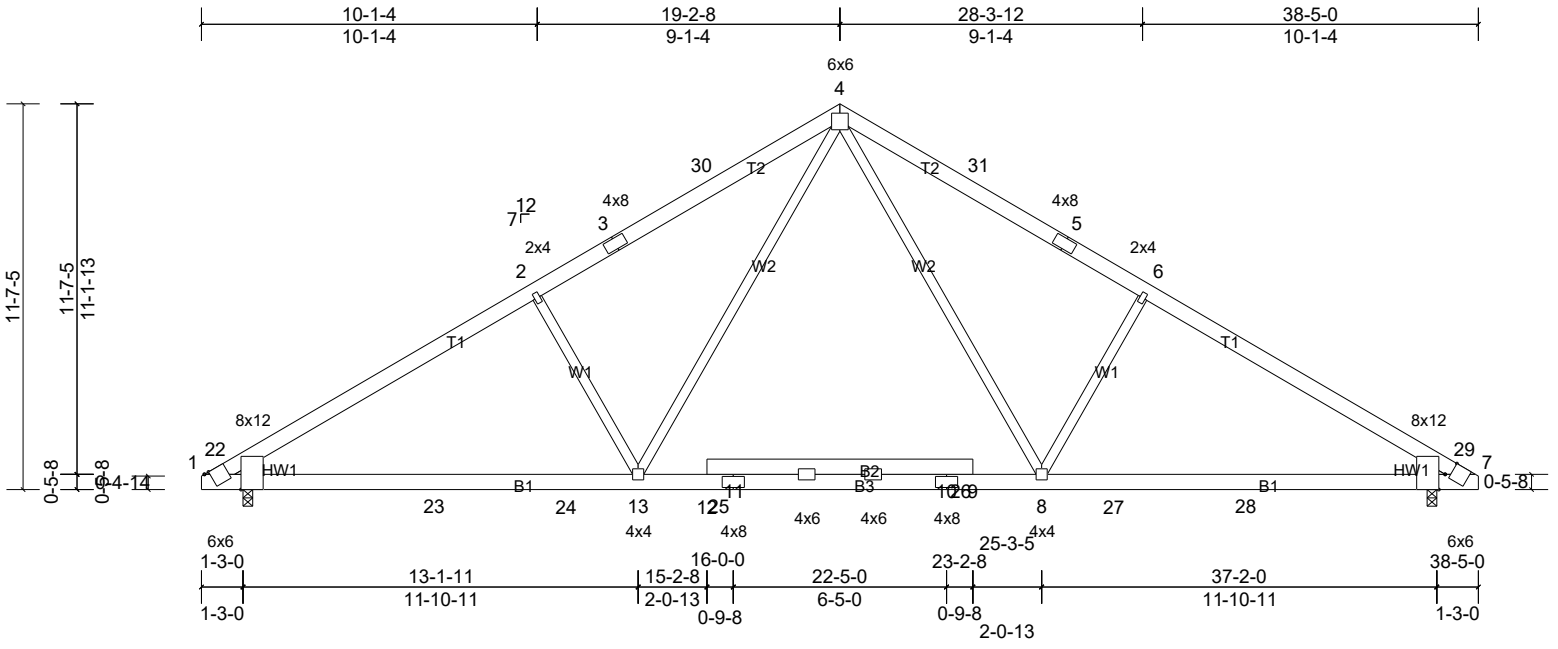


Scale = 1:69.6

Plate Offsets (X, Y): [1:0-1-11,Edge], [1:0-5-8,Edge], [7:0-1-11,Edge], [7:0-5-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.18	8-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.30	8-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 270 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-9 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.

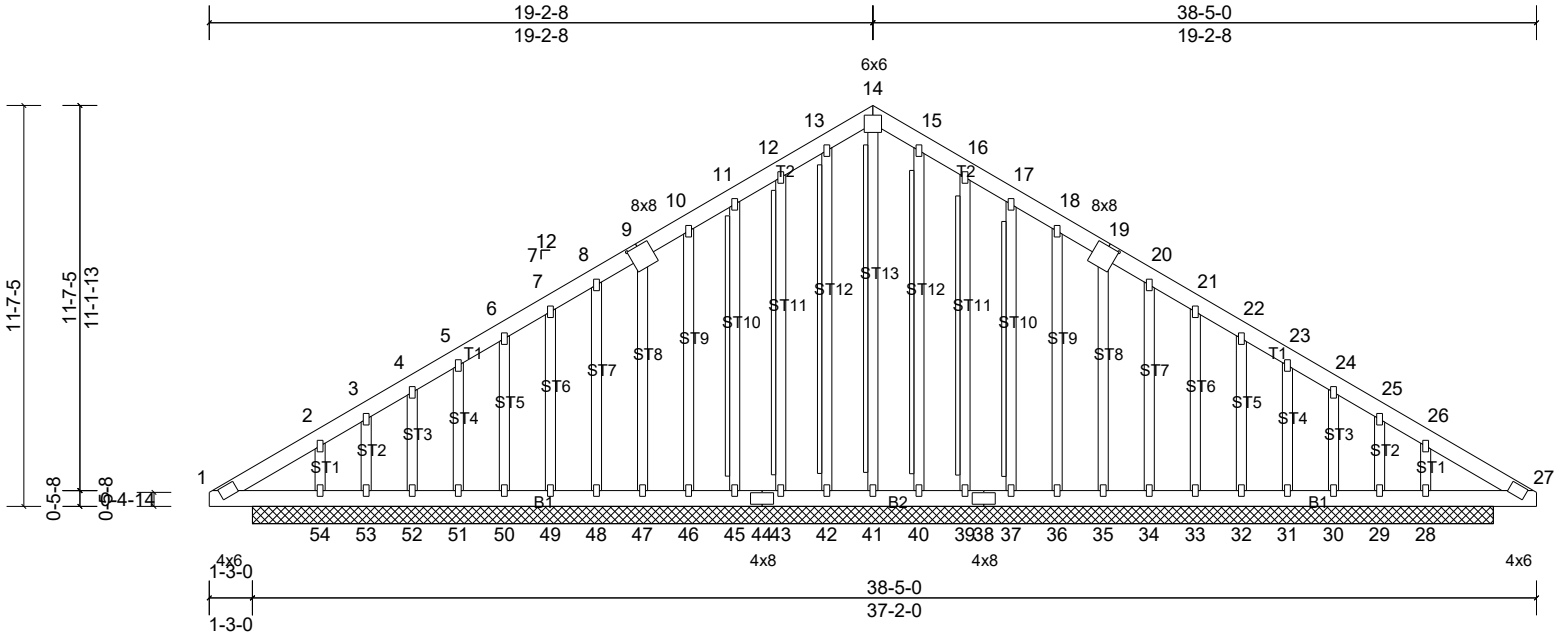
REACTIONS (lb/size) 1=1451/0-3-8, (min. 0-2-1), 7=1451/0-3-8, (min. 0-2-1)
Max Horiz 1=-288 (LC 6)
Max Uplift 1=-181 (LC 10), 7=-181 (LC 11)
Max Grav 1=1758 (LC 17), 7=1758 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2420/651, 2-3=-2226/666, 3-30=-2105/691, 4-30=-2089/716, 4-31=-2089/716, 5-31=-2104/691, 5-6=-2225/666, 6-7=-2419/651
BOT CHORD 1-23=-431/2172, 23-24=-431/2172, 13-24=-431/2172, 12-13=-157/1437, 12-25=-160/1329, 11-25=-159/1335, 10-11=-157/1437, 10-26=-159/1336, 9-26=-160/1330, 8-9=-157/1437, 8-27=-431/1956, 27-28=-431/1956, 7-28=-431/1956, 7-29=-253/966
WEBS 2-13=-493/358, 4-13=-214/1041, 4-8=-214/1041, 6-8=-493/358

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) 1-4-12 to 5-2-5, Interior (1) 5-2-5 to 15-4-15, Exterior(2R) 15-4-15 to 23-0-1, Interior (1) 23-0-1 to 33-2-11, Exterior(2E) 33-2-11 to 37-0-4 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) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 1 and 181 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	A9-GE	Common Supported Gable	2	1	Job Reference (optional)



Scale = 1:67

Plate Offsets (X, Y): [9:0-4-0,0-4-8], [19:0-4-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horiz(TL)	0.01	28	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 411 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 14-41, 13-42, 12-43, 11-45, 15-40, 16-39, 17-37
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 35-11-0.
(lb) - Max Horiz 54=385 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 30, 31, 32, 33, 34, 35, 36, 37, 39, 43, 45, 46, 47, 48, 49, 50, 51, 52 except 28=-179 (LC 10), 29=-290 (LC 6), 53=-349 (LC 7), 54=-225 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 42, 43, 45, 46, 47, 48, 49, 50, 51, 52 except 28=476 (LC 17), 41=256 (LC 20), 53=292 (LC 8), 54=527 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-246/314, 2-3=-232/309, 3-4=-149/272, 4-5=-123/260, 6-7=-75/252, 7-8=-61/262, 8-9=-58/287, 9-10=-84/313, 10-11=-111/345, 11-12=-141/397, 12-13=-167/446, 13-14=-173/438, 14-15=-173/438, 15-16=-167/446, 16-17=-141/397, 17-18=-111/345, 18-19=-84/298, 19-20=-58/263, 25-26=-186/264, 26-27=-188/290
BOT CHORD 1-54=-275/246

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) 0-1-13 to 3-11-15, Exterior(2N) 3-11-15 to 15-2-8, Corner(3R) 15-2-8 to 23-2-8, Exterior(2N) 23-2-8 to 34-5-1, Corner(3E) 34-5-1 to 38-3-3 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) 43, 45, 46, 47, 48, 49, 50, 51, 52, 39, 37, 36, 35, 34, 33, 32, 31, 30 except (jt=lb) 53=348, 54=224, 29=290, 28=179.
10) Non Standard bearing condition. Review required.
11) 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	
J0125-0233	F01	Floor	14	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tue Feb 04 09:01:44 Page: 1
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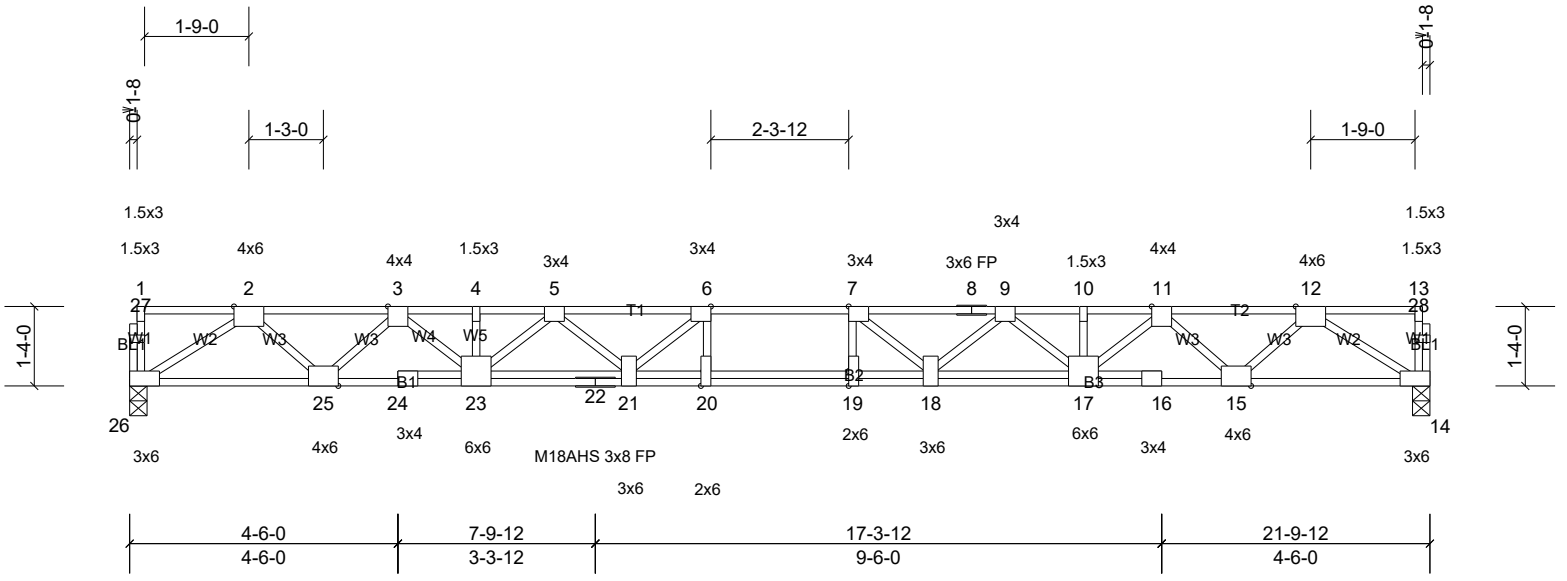


Scale = 1:38.8

Plate Offsets (X, Y): [6:0-1-8,Edge], [7:0-1-8,Edge], [19:0-3-0,Edge], [20:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.33	19-20	>791	360	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.42	Vert(CT)	-0.45	19-20	>574	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 130 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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) 14=1180/0-3-8, (min. 0-1-8), 26=1180/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2580/0, 3-4=-4237/0, 4-5=-4237/0, 5-6=-5210/0, 6-7=-5509/0, 7-8=-5210/0, 8-9=-5210/0, 9-10=-4237/0, 10-11=-4237/0, 11-12=-2580/0

BOT CHORD 25-26=0/1699, 24-25=0/3489, 23-24=0/3488, 22-23=0/4863, 21-22=0/4863, 20-21=0/5509, 19-20=0/5509, 18-19=0/5509, 17-18=0/4863, 16-17=0/3488, 15-16=0/3489, 14-15=0/1699

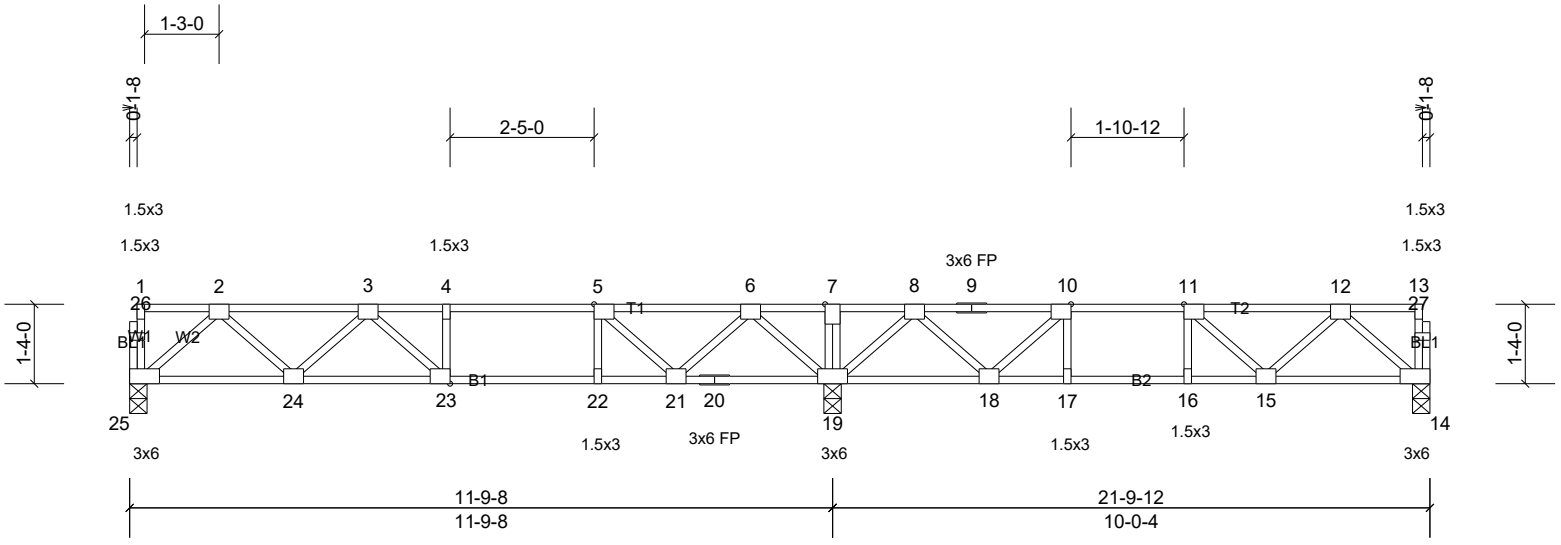
WEBS 2-26=-2017/0, 12-14=-2017/0, 2-25=0/1225, 12-15=0/1225, 3-25=-1265/0, 11-15=-1265/0, 3-23=0/993, 11-17=0/993, 5-23=-831/0, 9-17=-831/0, 5-21=0/563, 9-18=0/563, 6-21=-789/128, 7-18=-789/128, 6-20=-313/334, 7-19=-313/334

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are MT20 plates unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F02	Floor	6	1	Job Reference (optional)



Scale = 1:38.8

Plate Offsets (X, Y): [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [23:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.12	23-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.16	23-24	>886	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 112 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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) 14=500/0-3-8, (min. 0-1-8), 19=1256/0-3-8, (min. 0-1-8), 25=603/0-3-8, (min. 0-1-8)
Max Grav 14=535 (LC 3), 19=1256 (LC 1), 25=627 (LC 6)

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

TOP CHORD 2-3=-1042/0, 3-4=-1448/0, 4-5=-1448/0, 5-6=-989/0, 6-7=0/509, 7-8=0/509, 8-9=-815/0, 9-10=-815/0, 10-11=-1089/0, 11-12=-832/0

BOT CHORD 24-25=0/666, 23-24=0/1366, 22-23=0/1448, 21-22=0/1448, 20-21=0/583, 19-20=0/583, 18-19=0/542, 17-18=0/1089, 16-17=0/1089, 15-16=0/1089, 14-15=0/561

WEBS 2-25=-885/0, 2-24=0/523, 3-24=-450/0, 6-19=-906/0, 6-21=0/632, 5-21=-727/0, 8-19=-811/0, 12-14=-745/0, 8-18=0/485, 12-15=0/378, 10-18=-529/0, 11-15=-349/0

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F03	Floor Girder	2	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tue Feb 04 09:01:44 Page: 1
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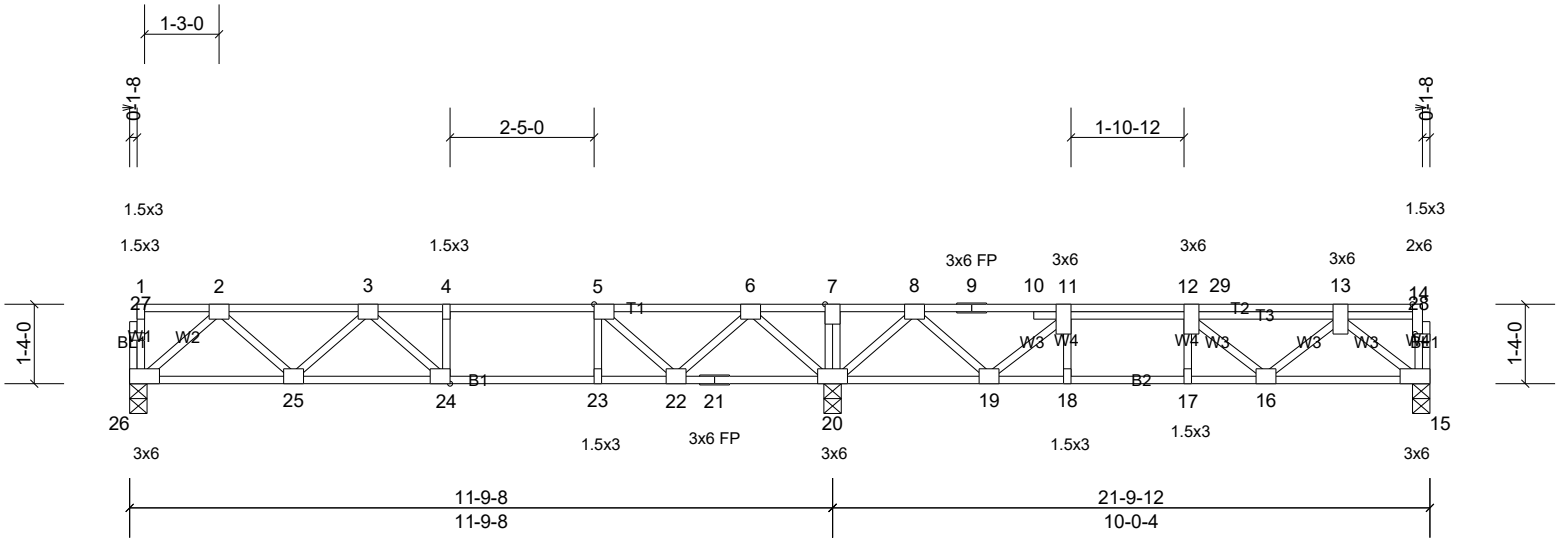

Scale = 1:38.8

Plate Offsets (X, Y): [5:0-1-8,Edge], [14:0-3-0,Edge], [24:0-1-8,Edge], [28:0-1-8,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.11	24-25	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.15	24-25	>952	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 121 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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) 15=749/0-3-8, (min. 0-1-8), 20=1367/0-3-8, (min. 0-1-8), 26=610/0-3-8, (min. 0-1-8)
Max Grav 15=847 (LC 3), 20=1367 (LC 1), 26=629 (LC 6)

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

TOP CHORD 2-3=-1047/0, 3-4=-1460/0, 4-5=-1460/0, 5-6=-1004/0, 6-7=-159/451, 7-8=-159/451, 8-9=-1289/0, 9-10=-1289/0, 10-11=-1303/0, 11-12=-1872/0, 12-29=-1493/0, 13-29=-1493/0

BOT CHORD 25-26=0/669, 24-25=0/1373, 23-24=0/1460, 22-23=0/1460, 21-22=0/602, 20-21=0/602, 19-20=0/807, 18-19=0/1872, 17-18=0/1872, 16-17=0/1872, 15-16=0/1045

WEBS 2-26=-888/0, 2-25=0/525, 3-25=-454/0, 8-20=-968/0, 8-19=0/795, 11-19=-931/0, 6-22=0/598, 5-22=-678/0, 13-16=0/608, 12-16=-503/0, 6-20=-869/0, 13-15=-1363/0

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 447 lb down at 18-3-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 15-26=-10, 1-14=-100
   Concentrated Loads (lb)
   Vert: 29=-367

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F04	Floor	2	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tue Feb 04 09:01:44 Page: 1
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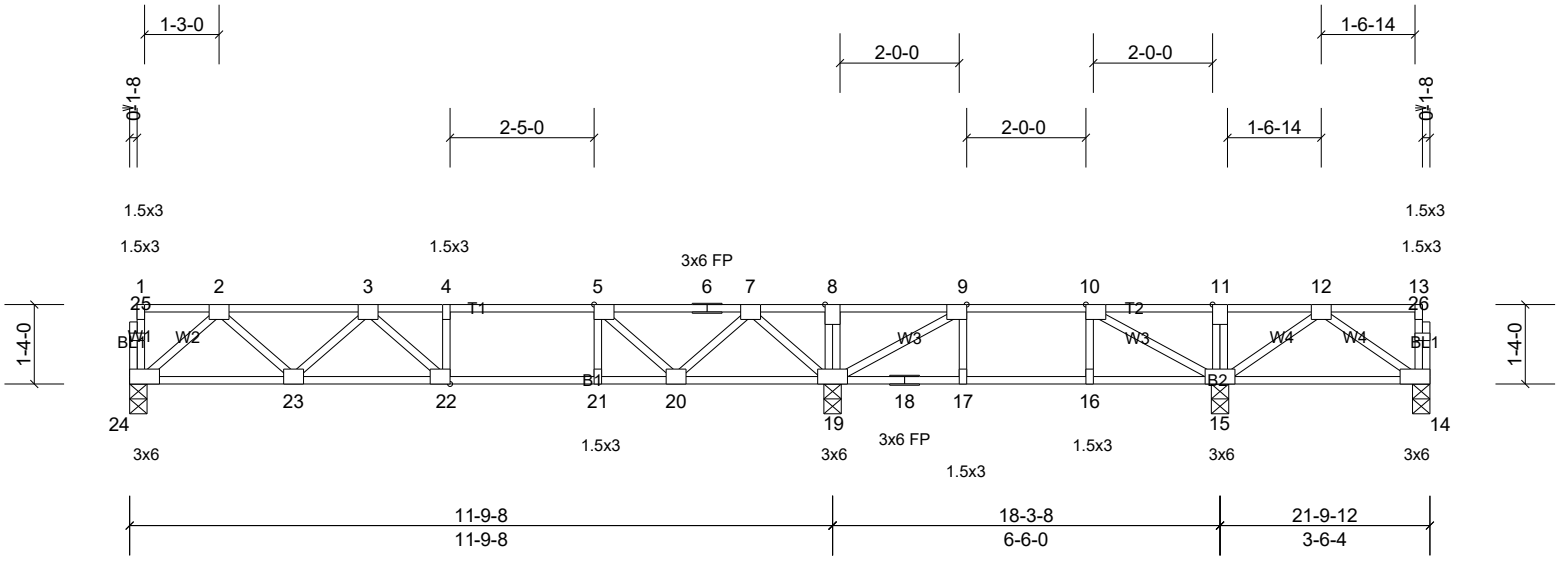


Scale = 1:38.8

Plate Offsets (X, Y): [5:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [22:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.12	22-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.15	22-23	>935	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 113 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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: 14-15.

REACTIONS All bearings 0-3-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 14 except 15=677 (LC 4), 19=1033 (LC 5), 24=619 (LC 6)

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

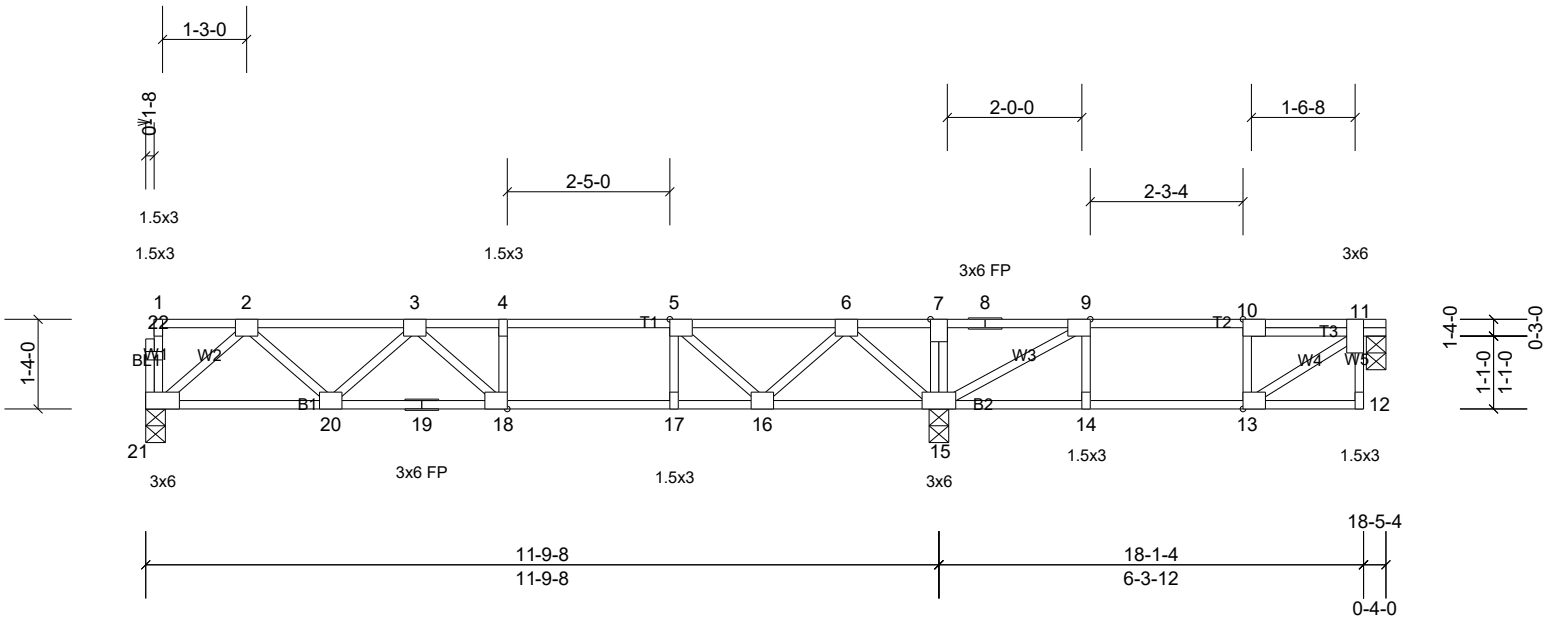
TOP CHORD	2-3=-1025/0, 3-4=-1404/0, 4-5=-1404/0, 5-6=-929/0, 6-7=-929/0, 7-8=-109/450, 8-9=-106/453, 9-10=-482/0, 10-11=-23/369, 11-12=-24/368
BOT CHORD	23-24=0/657, 22-23=0/1339, 21-22=0/1404, 20-21=0/1404, 19-20=0/511, 18-19=0/482, 17-18=0/482, 16-17=0/482, 15-16=0/482
WEBS	2-24=-872/0, 2-23=0/512, 3-23=-436/0, 7-19=-887/0, 7-20=0/601, 5-20=-678/0, 12-15=-377/0, 9-19=-529/0, 10-15=-526/0

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F05	Floor	2	1	Job Reference (optional)



Scale = 1:34.4

Plate Offsets (X, Y): [5:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [18:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.12	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.16	18-20	>905	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 94 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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) 11=307/0-3-8, (min. 0-1-8), 15=1040/0-3-8, (min. 0-1-8), 21=618/0-3-8, (min. 0-1-8)
Max Grav 11=342 (LC 3), 15=1040 (LC 1), 21=631 (LC 6)

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

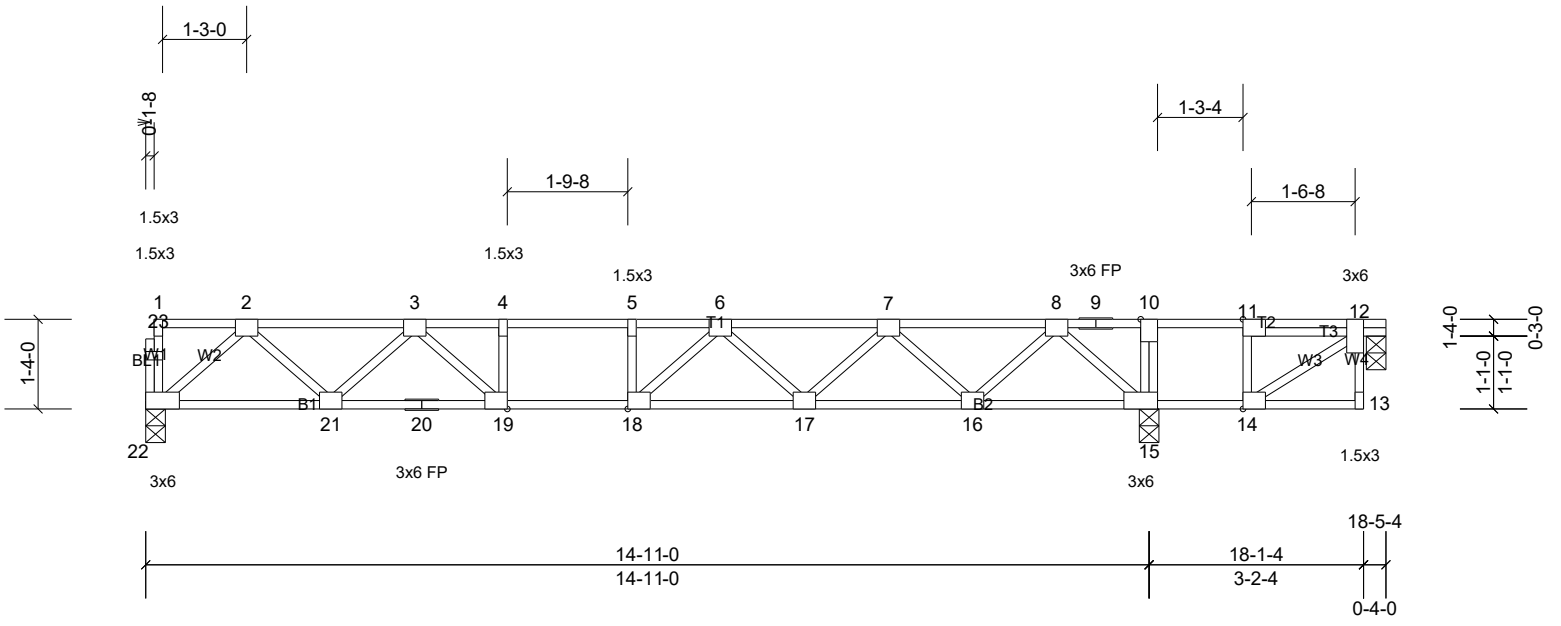
TOP CHORD	2-3=-1051/0, 3-4=-1470/0, 4-5=-1470/0, 5-6=-1023/0, 6-7=-42/295, 7-8=-39/297, 8-9=-39/297, 9-10=-413/0, 10-11=-414/0
BOT CHORD	20-21=0/671, 19-20=0/1380, 18-19=0/1380, 17-18=0/1470, 16-17=0/1470, 15-16=0/620, 14-15=0/413, 13-14=0/413
WEBS	11-13=0/501, 2-21=-891/0, 2-20=0/528, 3-20=-458/0, 3-18=-18/266, 6-15=-880/0, 6-16=0/595, 5-16=-666/0, 9-15=-640/0

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F06	Floor	4	1	Job Reference (optional)



Scale = 1:34.4

Plate Offsets (X, Y): [11:0-1-8,Edge], [14:0-1-8,Edge], [18:0-1-8,Edge], [19:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.15	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.21	17-18	>862	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 97 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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: 14-15.

REACTIONS (lb/size) 12=19/0-3-8, (min. 0-1-8), 15=1171/0-3-8, (min. 0-1-8), 22=775/0-3-8, (min. 0-1-8)
Max Uplift 12=-106 (LC 5)
Max Grav 12=148 (LC 3), 15=1171 (LC 1), 22=775 (LC 1)

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

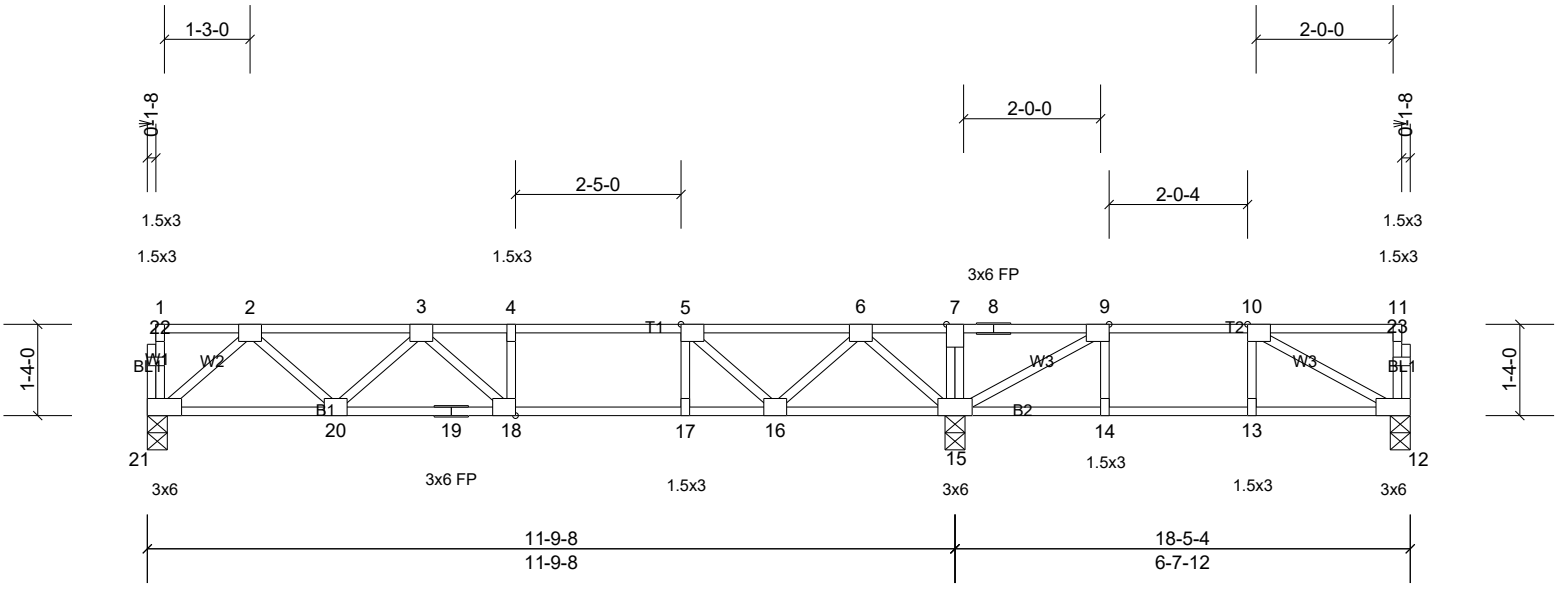
TOP CHORD	2-3=-1343/0, 3-4=-2224/0, 4-5=-2224/0, 5-6=-2224/0, 6-7=-1985/0, 7-8=-1080/0, 8-9=-17/320, 9-10=-17/320, 10-11=-17/320, 11-12=-20/319
BOT CHORD	21-22=0/831, 20-21=0/1849, 19-20=0/1849, 18-19=0/2224, 17-18=0/2231, 16-17=0/1674, 15-16=0/507, 14-15=-320/17
WEBS	12-14=-389/20, 10-15=-364/0, 2-22=-1104/0, 2-21=0/712, 3-21=-703/0, 3-19=0/656, 8-15=-1019/0, 8-16=0/807, 7-16=-833/0, 7-17=0/439, 6-17=-353/0, 6-18=-194/279, 4-19=-317/0

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 12.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F07	Floor	6	1	Job Reference (optional)



Scale = 1:33.8

Plate Offsets (X, Y): [5:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [18:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.50	Vert(LL)	-0.12	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.15	18-20	>941	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 94 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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) 12=333/0-3-8, (min. 0-1-8), 15=1029/0-3-8, (min. 0-1-8), 21=626/0-3-8, (min. 0-1-8)
Max Grav 12=368 (LC 3), 15=1034 (LC 5), 21=639 (LC 6)

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

TOP CHORD	2-3=-1067/0, 3-4=-1513/0, 4-5=-1513/0, 5-6=-1084/0, 9-10=-507/0
BOT CHORD	20-21=0/680, 19-20=0/1406, 18-19=0/1406, 17-18=0/1513, 16-17=0/1513, 15-16=0/690, 14-15=0/507, 13-14=0/507, 12-13=0/507
WEBS	2-21=-903/0, 2-20=0/538, 3-20=-472/0, 3-18=0/288, 6-16=0/591, 5-16=-660/0, 6-15=-872/0, 9-15=-649/0, 10-12=-574/0

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F08	Floor	2	1	Job Reference (optional)

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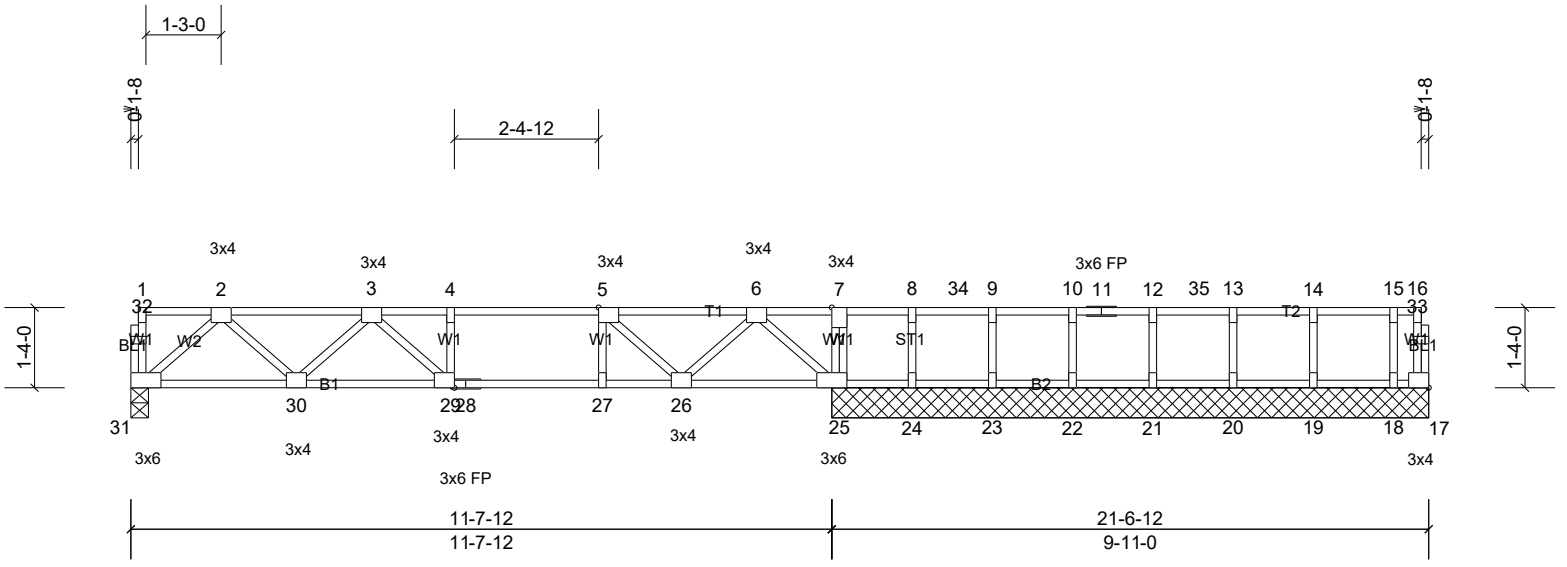


Scale = 1:38.4

Plate Offsets (X, Y): [5:0-1-8,Edge], [29:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.08	29-30	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.11	29-30	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.02	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 105 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS All bearings 9-11-0. except 31=0-3-8
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 17, 19, 20, 21, 22, 23 except 24=-111 (LC 6)
Max Grav All reactions 250 (lb) or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24 except 25=728 (LC 1), 31=632 (LC 1)

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

TOP CHORD	2-3=-1051/0, 3-4=-1474/0, 4-5=-1474/0, 5-6=-1029/0
BOT CHORD	30-31=0/671, 29-30=0/1382, 28-29=0/1474, 27-28=0/1474, 26-27=0/1474, 25-26=0/633
WEBS	2-31=-891/0, 2-30=0/528, 3-30=-459/0, 6-25=-843/0, 6-26=0/552, 5-26=-605/0

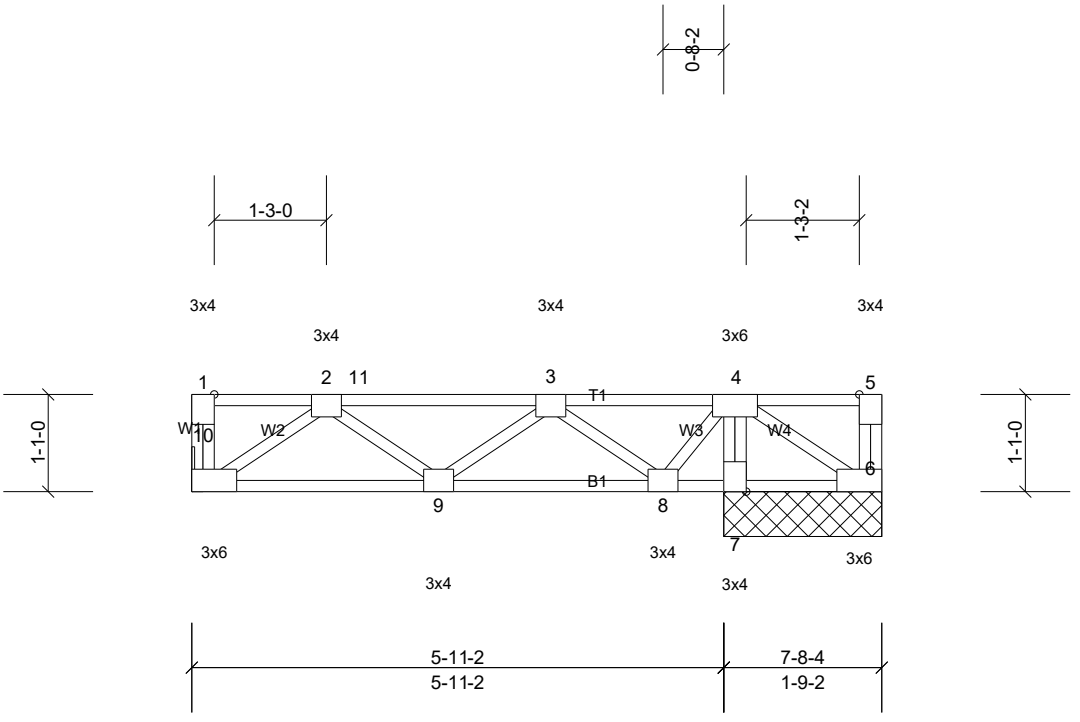
NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 23, 22, 21, 20, 19 except (jt=lb) 24=110.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 105 lb down and 85 lb up at 12-9-0, 105 lb down and 85 lb up at 13-9-0, 105 lb down and 85 lb up at 15-9-0, and 105 lb down and 85 lb up at 17-9-0, and 105 lb down and 85 lb up at 19-9-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 17-31=-10, 1-16=-100
Concentrated Loads (lb)
Vert: 8=-43, 10=-43, 14=-43, 34=-43, 35=-43

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	F09	Floor Girder	2	1	Job Reference (optional)



Scale = 1:25.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.01	9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.16	Vert(CT)	-0.01	9	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 43 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 6=-124/1-9-2, (min. 0-1-8), 7=846/1-9-2, (min. 0-1-8), 10=467/ Mechanical, (min. 0-1-8)
Max Uplift 6=-124 (LC 1)
Max Grav 6=-19 (LC 3), 7=846 (LC 1), 10=467 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-607/0, 3-11=-607/0
BOT CHORD 9-10=0/637, 8-9=0/540, 7-8=-296/0, 6-7=-282/0
WEBS 4-7=-821/0, 2-10=-777/0, 3-8=-632/0, 4-8=0/515, 4-6=0/335

NOTES
1) This truss has been checked for uniform floor live load only, except as noted.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 4-0-0 oc.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 6.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 65 lb down and 189 lb up at 3-10-4, and 65 lb down and 189 lb up at 5-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 6-10=-10, 1-5=-100
Concentrated Loads (lb)
Vert: 3=-65, 4=-65, 11=-242

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	FG1	Floor Supported Gable	2	1	Job Reference (optional)

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tue Feb 04 09:01:44 Page: 1
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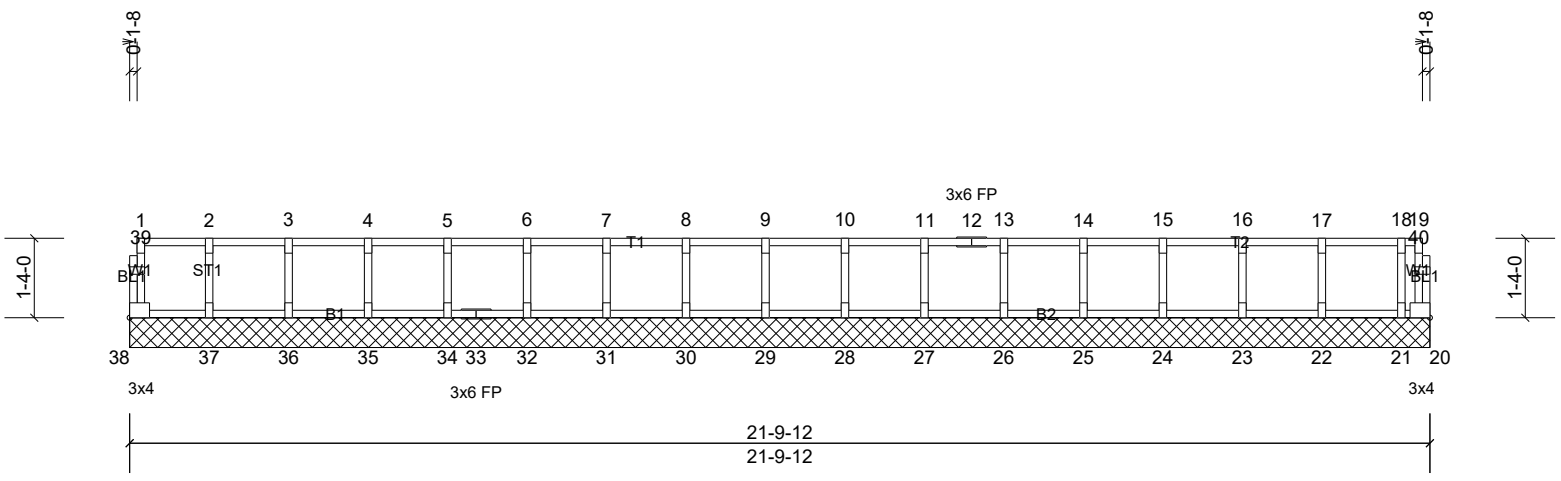

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 96 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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 All bearings 21-9-12.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38

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

NOTES

1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	FG2	Floor Supported Gable	2	1	Job Reference (optional)

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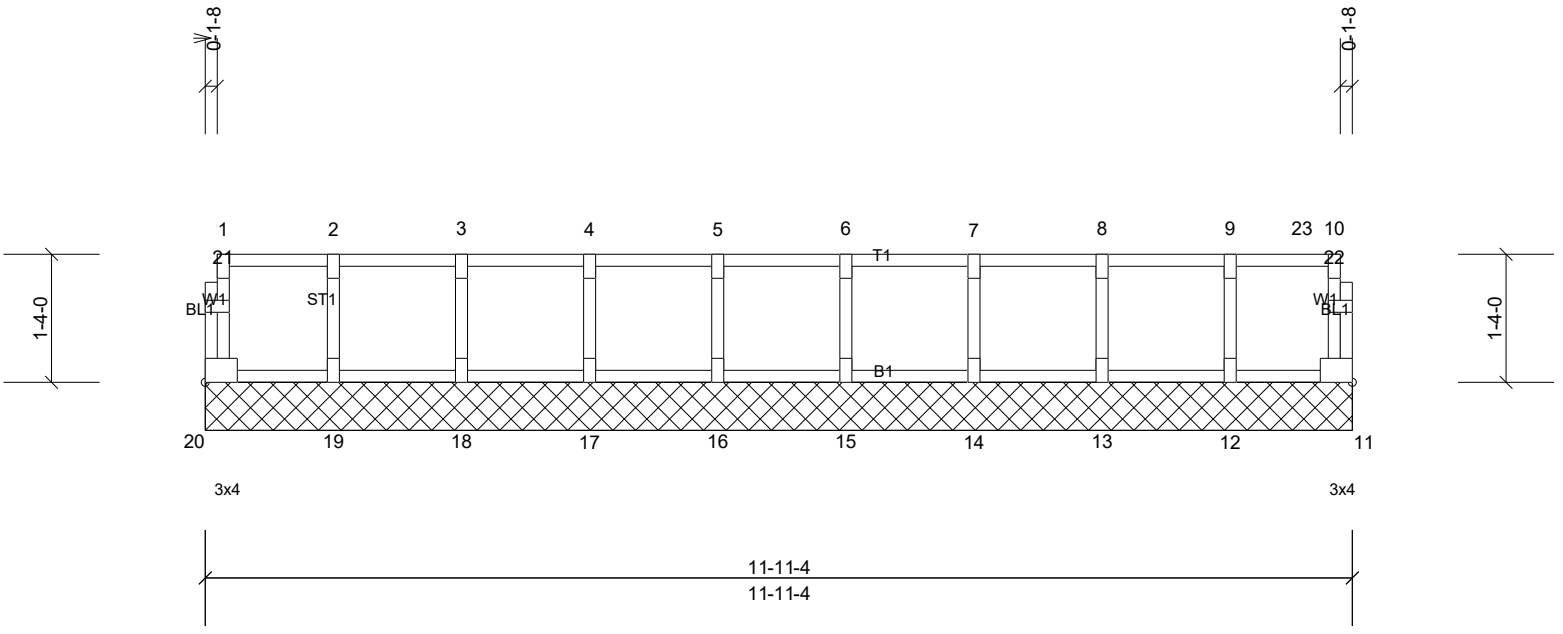


Scale = 1:24.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 54 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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.

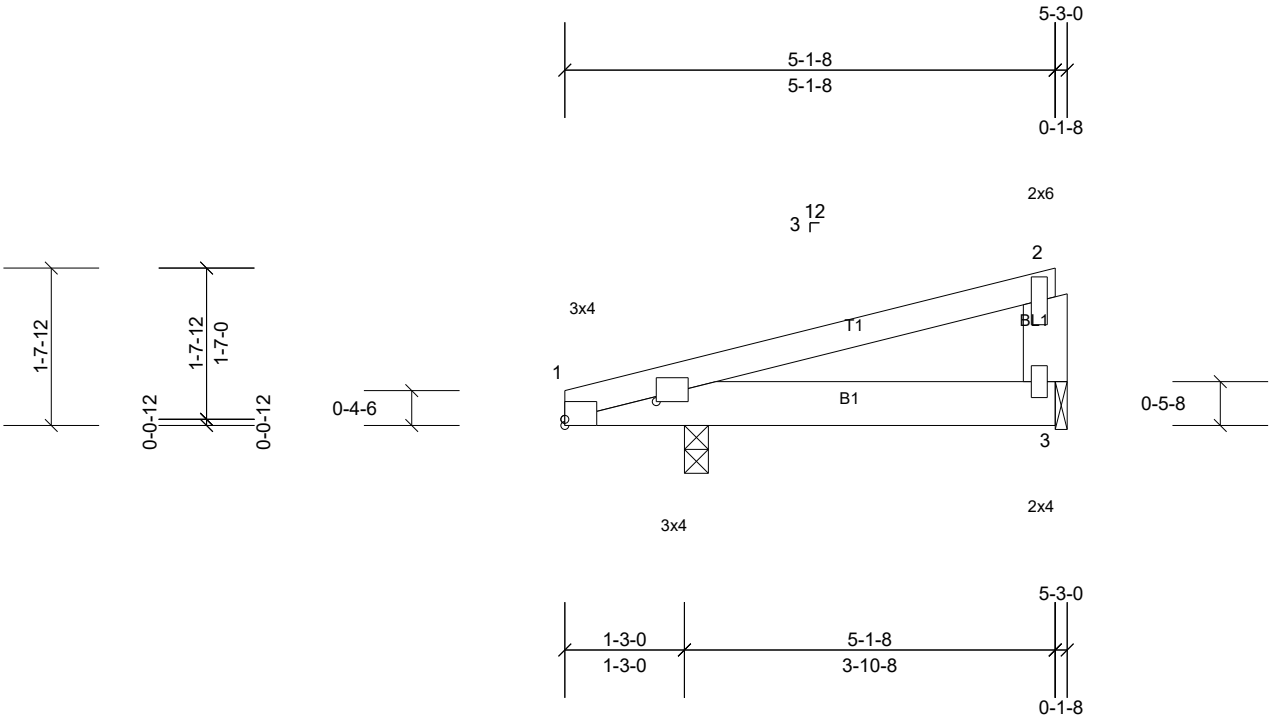
REACTIONS All bearings 11-11-4.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 11
Max Grav All reactions 250 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

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

NOTES
1) This truss has been checked for uniform floor live load only, except as noted.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb down and 55 lb up at 11-5-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-20=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 23=-25

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	J1	Monopitch	2	1	Job Reference (optional)



Scale = 1:24.2

Plate Offsets (X, Y): [1:0-11-7,0-2-4], [1:Edge,0-0-12]

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	0.15	Vert(LL)	0.00	3-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	3-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 22 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-0 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.

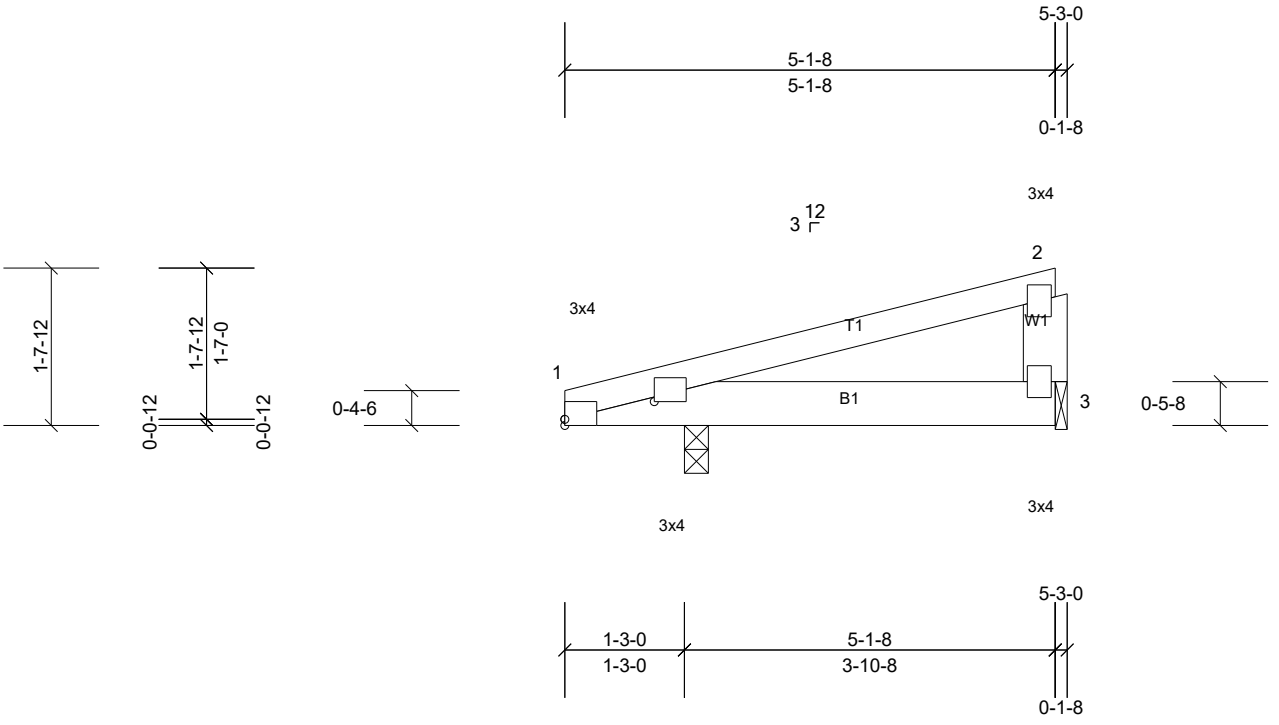
REACTIONS (lb/size) 1=277/0-3-0, (min. 0-1-8), 3=125/0-1-8, (min. 0-1-8)
Max Horiz 1=48 (LC 6)
Max Uplift 1=-135 (LC 6), 3=-73 (LC 6)

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 ; 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) 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) 1, 3.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 1 and 73 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	J2	Monopitch	10	1	Job Reference (optional)



Scale = 1:24.2

Plate Offsets (X, Y): [1:0-11-3,0-2-4], [1:Edge,0-0-12]

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	0.15	Vert(LL)	0.01	3-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	0.01	3-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 22 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-0 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.

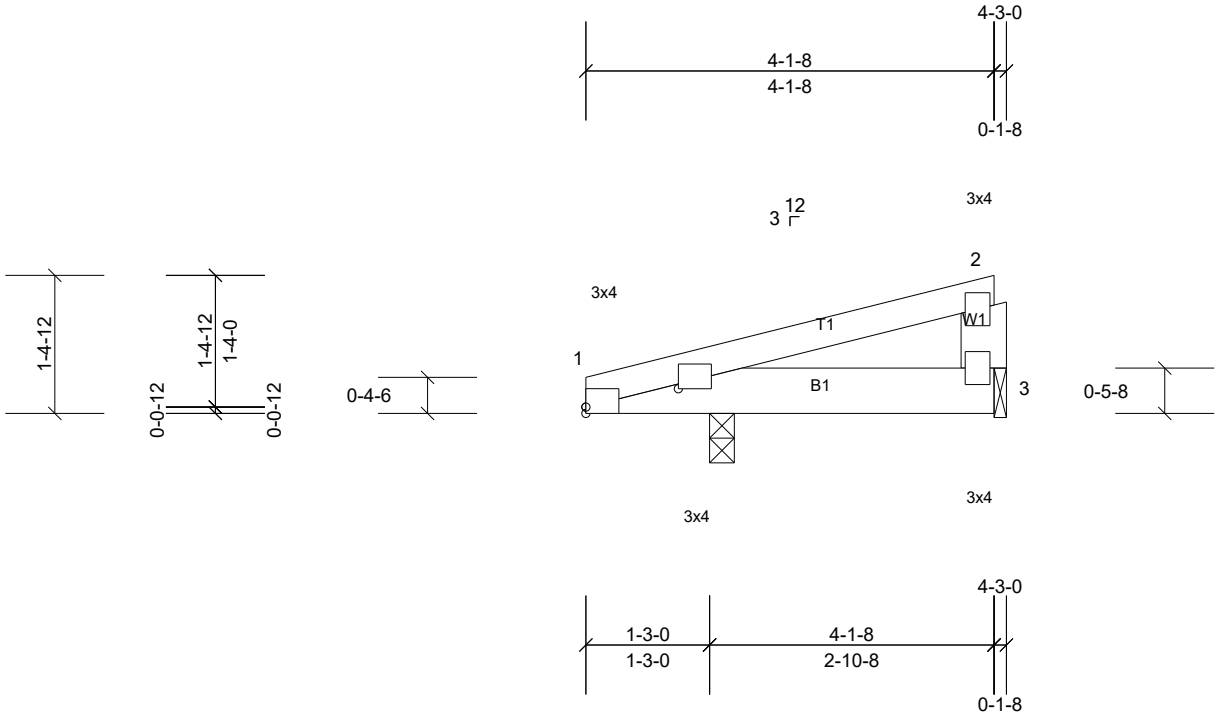
REACTIONS (lb/size) 1=277/0-3-0, (min. 0-1-8), 3=125/0-1-8, (min. 0-1-8)
Max Horiz 1=48 (LC 6)
Max Uplift 1=-135 (LC 6), 3=-73 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-323/148

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 ; 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) 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) 1, 3.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 1 and 73 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	J3	Monopitch	2	1	Job Reference (optional)



Scale = 1:23.4

Plate Offsets (X, Y): [1:0-11-3,0-2-4], [1:Edge,0-0-12]

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	3-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 18 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-0 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=244/0-3-0, (min. 0-1-8), 3=77/0-1-8, (min. 0-1-8)
Max Horiz 1=38 (LC 6)
Max Uplift 1=-120 (LC 6), 3=-47 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-255/106

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 ; 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) 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) 1, 3.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 1 and 47 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
J0125-0233	LIG1	Lay-In Gable	2	1	Job Reference (optional)

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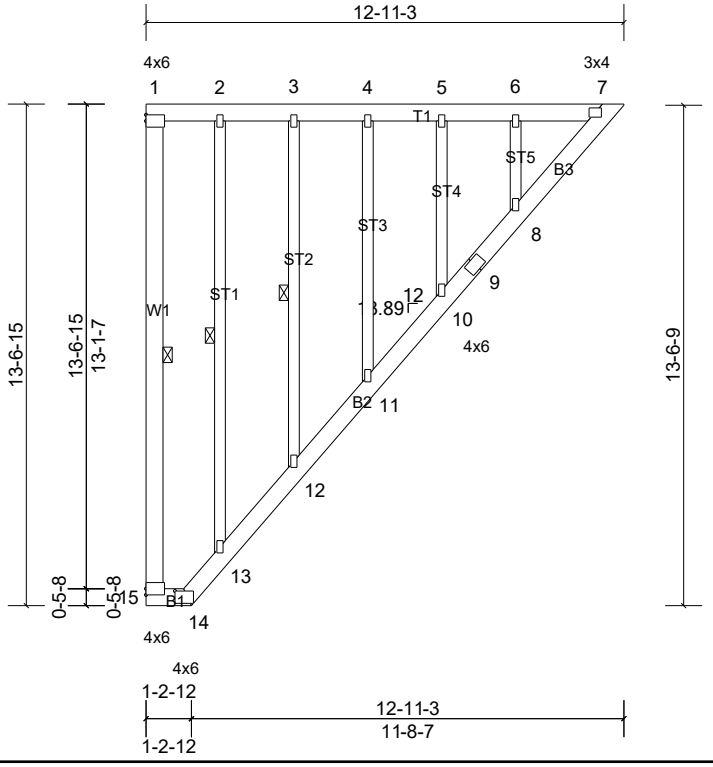

Scale = 1:62.6

Plate Offsets (X, Y): [14:0-4-1,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.08	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 156 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 1-15, 2-13, 3-12

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

REACTIONS All bearings 12-11-3.

(lb) - Max Horiz 15=-424 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 7, 11, 12 except 8=-469 (LC 7), 10=-357 (LC 8), 13=-155 (LC 8), 14=-156 (LC 7), 15=-255 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) 7, 11, 12, 13, 14, 15 except 8=663 (LC 17), 10=251 (LC 7)

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

TOP CHORD 1-2=-290/153, 2-3=-290/153, 3-4=-290/153, 4-5=-290/152, 5-6=-291/153, 6-7=-285/150

BOT CHORD 14-15=-148/288, 13-14=-200/396, 12-13=-235/458, 11-12=-239/466, 10-11=-212/409, 9-10=-318/616, 8-9=-305/633, 7-8=-157/292

WEBS 2-13=-111/306, 5-10=-90/316, 6-8=-552/278

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 Corner (3) 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) Provide adequate drainage to prevent water ponding.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 7, 13, 12, 11, 10, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 12, 11 except (jt=lb) 15=255, 14=156, 13=154, 10=357, 8=468.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 7, 13, 12, 11, 10, 8.

LOAD CASE(S) Standard