

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	A	COMMON	8	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:08 2026 Page 1
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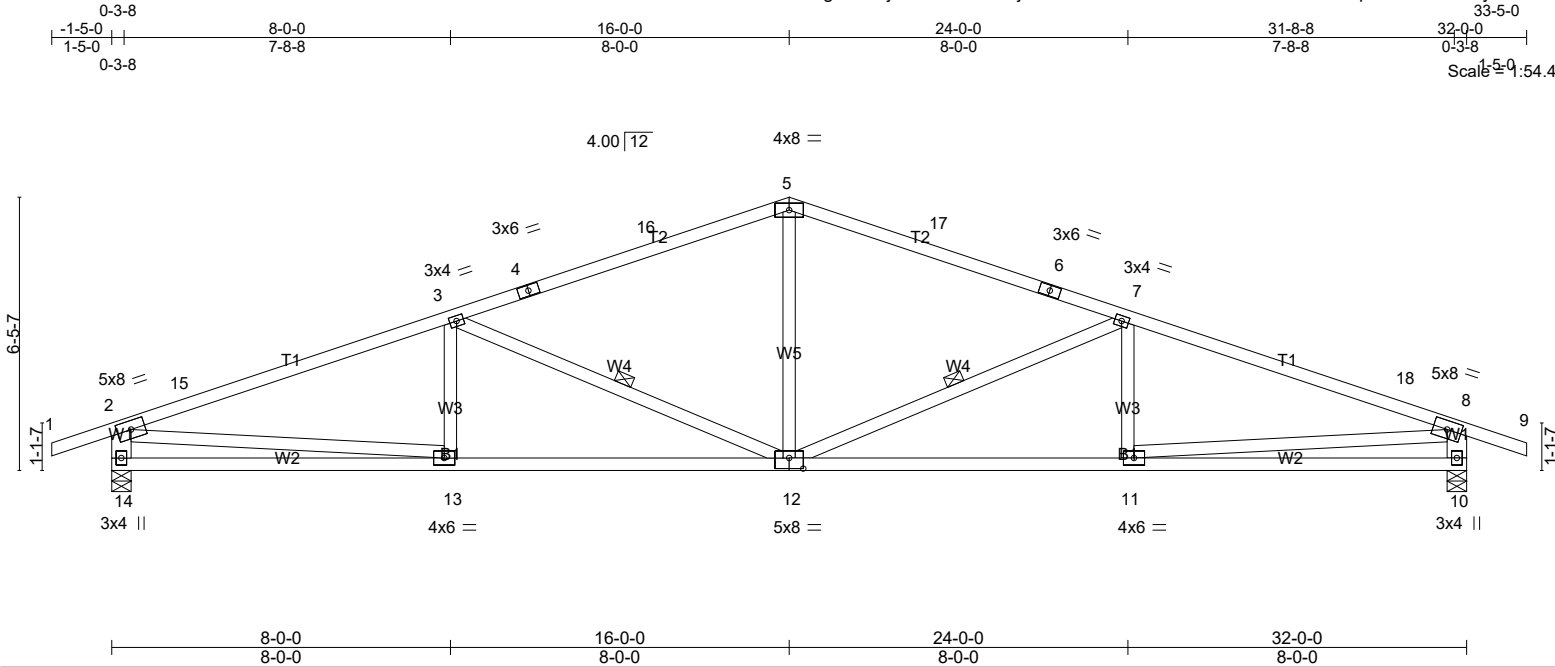


Plate Offsets (X,Y)-- [12:0-4-0,0-3-0]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	19.3	2-0-0		TC	0.86	in (loc)	l/defl	L/d	GRIP
(Ground Snow=25.0)		Plate Grip DOL	1.15	BC	0.66	Vert(LL)	-0.13 12-13	>999	240
TCDL	7.0	Lumber DOL	1.15	WB	0.43	Vert(CT)	-0.28 12-13	>999	180
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-S		Horz(CT)	0.06 10	n/a	n/a
BCDL	10.0	Code IRC2021/TPI2014							
								Weight: 131 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF 1650F 1.5E *Except*	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
	T1: 2x4 SPF No.2		Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SPF No.2	BOT CHORD	1 Row at midpt 7-12, 3-12
WEBS	2x4 SPF No.2 *Except*	WEBS	with 2x4 SP No.3 with 2 - 10d (0.131"x3") nails and cross brace spacing of 20-0-0 oc.
	W1: 2x6 SPF No.2		

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

REACTIONS. (lb/size) 14=1230/0-5-8 (min. 0-1-15), 10=1230/0-5-8 (min. 0-1-15)
Max Horz 14=75(LC 13)
Max Uplift 14=-150(LC 14), 10=-150(LC 14)

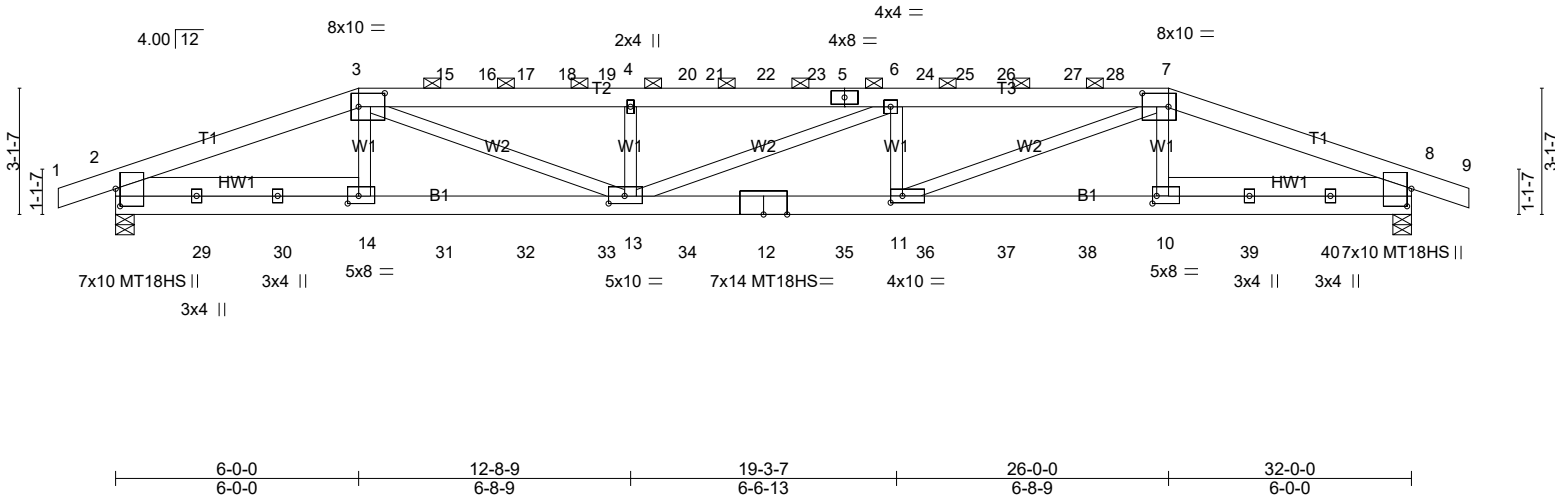
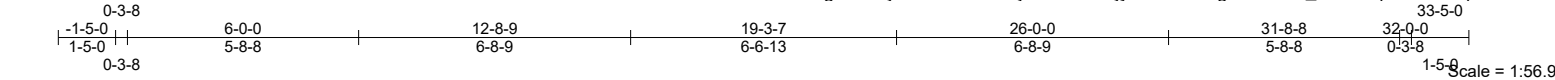
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-2184/358, 3-15=-2067/372, 3-4=-1650/312, 4-16=-1579/318, 5-16=-1570/325,
5-17=-1570/325, 6-17=-1579/318, 6-7=-1650/312, 7-18=-2067/372, 8-18=-2184/358,
2-14=-1153/298, 8-10=-1153/298
BOT CHORD 13-14=-88/331, 12-13=-307/2015, 11-12=-292/2015, 10-11=-55/321
WEBS 5-12=-27/644, 7-12=-673/138, 3-12=-673/138, 2-13=-247/1753, 8-11=-248/1753

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-9-6, Interior(1) 1-9-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 33-5-0 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
 - 2) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 150 lb uplift at joint 14 and 150 lb uplift at joint 10.
 - 8) 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	
26-1337	A1	Hip Girder	2	1	Job Reference (optional)

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:09 2026 Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	19.3	2-0-0		TC	0.81	in (loc)	l/defl	L/d	MT20	197/144	
(Ground Snow=25.0)		Plate Grip DOL	1.15	BC	0.78	Vert(LL)	-0.55 11-13	>699	240	MT18HS	197/144
TCDL	7.0	Lumber DOL	1.15	WB	0.85	Vert(CT)	-0.85 11-13	>454	180		
BCLL	0.0 *	Rep Stress Incr	NO	Matrix-S		Horz(CT)	0.14 8	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014								Weight: 176 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x6 SPF No.2 *Except* T2,T3: 2x6 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 2-7-12 oc purlins, except 2-0-0 oc purlins (2-6-10 max.): 3-7.
BOT CHORD	2x6 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2		
SLIDER	Left 2x6 SPF No.2 6-0-0, Right 2x6 SPF No.2 6-0-0		

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

REACTIONS. (lb/size) 2=2759/0-5-8 (min. 0-3-10), 8=2760/0-5-8 (min. 0-3-10)
Max Horz 2=-22(LC 46)
Max Uplift 2=-259(LC 10), 8=-259(LC 10)
Max Grav 2=2851(LC 29), 8=2852(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6336/522, 3-15=-9019/738, 15-16=-9019/738, 16-17=-9019/738, 17-18=-9018/738, 18-19=-9018/738, 4-19=-9018/738, 4-20=-9019/738, 20-21=-9019/738, 21-22=-9019/738, 22-23=-9019/738, 5-23=-9019/738, 5-6=-9019/738, 6-24=-9026/741, 24-25=-9027/741, 25-26=-9027/741, 26-27=-9027/741, 27-28=-9027/741, 7-28=-9027/741, 7-8=-6336/522
BOT CHORD 2-29=-446/5780, 29-30=-446/5780, 14-30=-446/5780, 14-31=-439/5797, 31-32=-439/5797, 32-33=-439/5797, 13-33=-439/5797, 13-34=-687/9027, 12-34=-687/9027, 12-35=-687/9027, 11-35=-687/9027, 11-36=-439/5797, 36-37=-439/5797, 37-38=-439/5797, 10-38=-439/5797, 10-39=-445/5780, 39-40=-445/5780, 8-40=-445/5780
WEBS 3-14=0/506, 3-13=-264/3464, 4-13=-989/222, 6-11=-992/223, 7-11=-267/3474, 7-10=0/505

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 259 lb uplift at joint 2 and 259 lb uplift at joint 8.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	A1	Hip Girder	2	1	

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NOTES-

- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 555 lb down and 177 lb up at 6-0-0, 179 lb down and 62 lb up at 8-0-12, 179 lb down and 62 lb up at 10-0-12, 179 lb down and 62 lb up at 12-0-12, 179 lb down and 62 lb up at 14-0-12, 179 lb down and 62 lb up at 16-0-0, 179 lb down and 62 lb up at 17-11-4, 179 lb down and 62 lb up at 19-11-4, 179 lb down and 62 lb up at 21-11-4, and 179 lb down and 62 lb up at 23-11-4, and 555 lb down and 177 lb up at 26-0-0 on top chord, and 61 lb down at 2-0-12, 63 lb down at 4-0-12, 67 lb down at 6-0-12, 67 lb down at 8-0-12, 67 lb down at 10-0-12, 67 lb down at 12-0-12, 67 lb down at 14-0-12, 67 lb down at 16-0-0, 67 lb down at 17-11-4, 67 lb down at 19-11-4, 67 lb down at 21-11-4, 67 lb down at 23-11-4, 67 lb down at 25-11-4, and 63 lb down at 27-11-4, and 61 lb down at 29-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 13) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
- Vert: 1-3=-53, 3-7=-52, 7-9=-53, 2-8=-20
- Concentrated Loads (lb)
- Vert: 3=-490(F) 5=-152(F) 7=-490(F) 12=-51(F) 14=-51(F) 10=-51(F) 15=-152(F) 17=-152(F) 19=-152(F) 20=-152(F) 22=-152(F) 24=-152(F) 26=-152(F) 28=-152(F) 29=-36(F) 30=-34(F) 31=-51(F) 32=-51(F) 33=-51(F) 34=-51(F) 35=-51(F) 36=-51(F) 37=-51(F) 38=-51(F) 39=-34(F) 40=-36(F)

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	A2	Hip	2	1	

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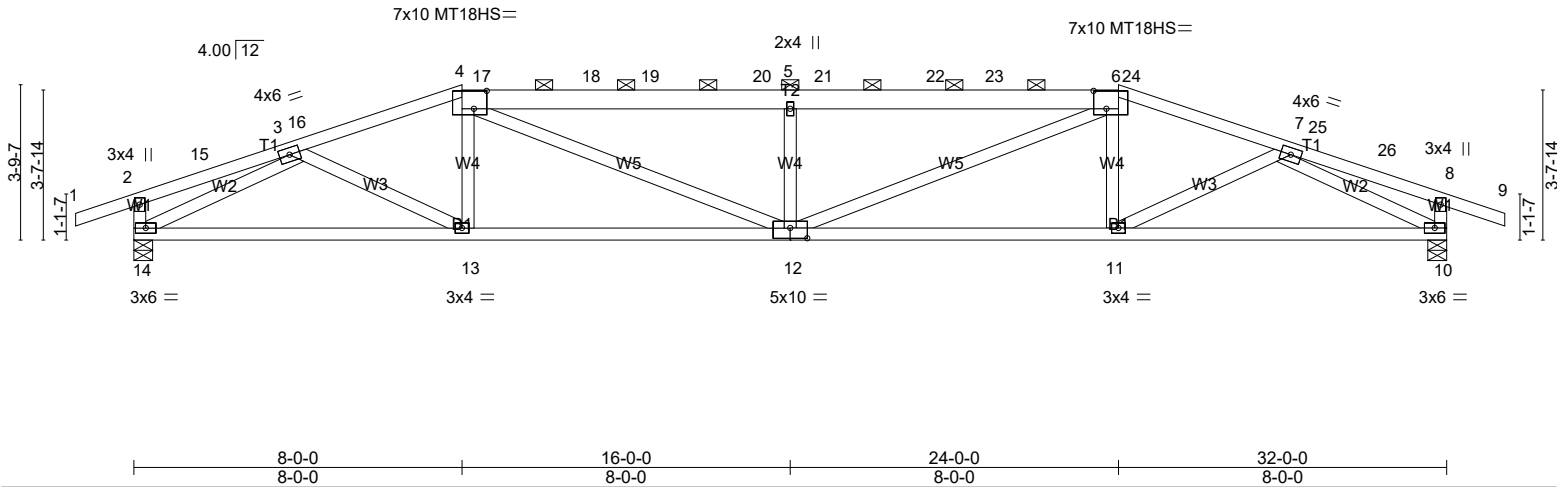
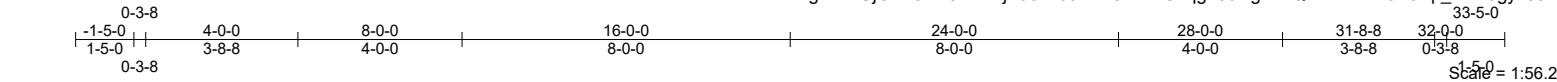


Plate Offsets (X,Y)-- [4:0-3-12,0-5-4], [6:0-3-12,0-5-4], [12:0-5-0,0-3-0]							
LOADING (psf)		SPACING	2-0-0	CSI		DEFL.	in (loc) l/defl L/d
TCLL 19.3		Plate Grip DOL	1.15	TC 0.57		Vert(LL)	-0.24 12 >999 240
(Ground Snow=25.0)		Lumber DOL	1.15	BC 0.74		Vert(CT)	-0.41 11-12 >935 180
TCDL 7.0		Rep Stress Incr	YES	WB 0.69		Horz(CT)	0.11 10 n/a n/a
BCLL 0.0 *		Code IRC2021/TPI2014		Matrix-S			
BCDL 10.0							
						PLATES	GRIP
						MT20	197/144
						MT18HS	197/144
						Weight: 138 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except*	TOP CHORD
T2: 2x6 SPF No.2	Structural wood sheathing directly applied or 3-6-3 oc purlins, except end verticals, and 2-0-0 oc purlins (3-2-3 max.): 4-6.
BOT CHORD 2x4 SPF No.2	BOT CHORD
WEBS 2x4 SPF No.2	Rigid ceiling directly applied or 9-9-11 oc bracing.
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1231/0-5-8 (min. 0-2-1), 10=1231/0-5-8 (min. 0-2-1)
Max Horz 14=-49(LC 12)
Max Uplift 14=-148(LC 14), 10=-148(LC 14)
Max Grav 14=1328(LC 33), 10=1328(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2553/407, 4-17=-3656/571, 17-18=-3660/571, 18-19=-3660/571, 19-20=-3664/571, 5-20=-3665/571, 5-21=-3665/571, 21-22=-3664/571, 22-23=-3660/571, 23-24=-3660/571, 6-24=-3656/571, 6-7=-2553/408, 2-14=-345/116, 8-10=-345/116
BOT CHORD 13-14=-353/1899, 12-13=-326/2431, 11-12=-317/2431, 10-11=-317/1899
WEBS 3-13=-10/595, 4-12=-190/1334, 5-12=-891/220, 6-12=-191/1334, 7-11=-10/595, 3-14=-2019/402, 7-10=-2019/402

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-9-6, Interior(1) 1-9-6 to 8-0-0, Exterior(2R) 8-0-0 to 12-6-5, Interior(1) 12-6-5 to 24-0-0, Exterior(2R) 24-0-0 to 28-6-5, Interior(1) 28-6-5 to 33-5-0 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
 - 2) TCCL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 148 lb uplift at joint 14 and 148 lb uplift at joint 10.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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	Job Reference (optional)
26-1337	A3	Hip	2	1	

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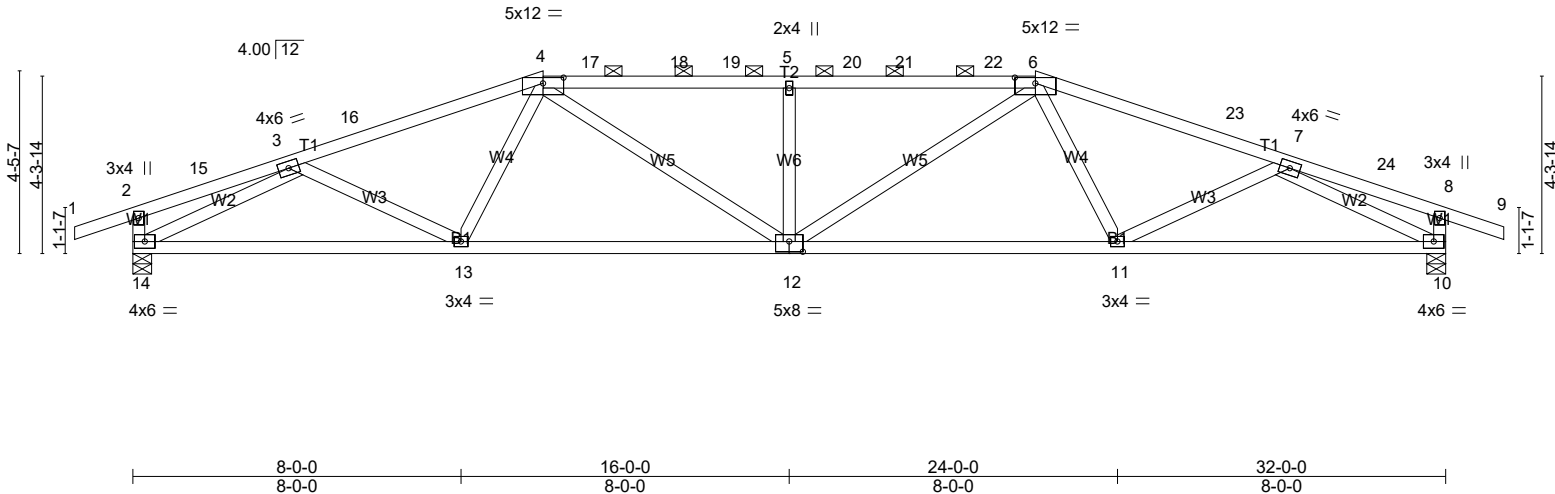
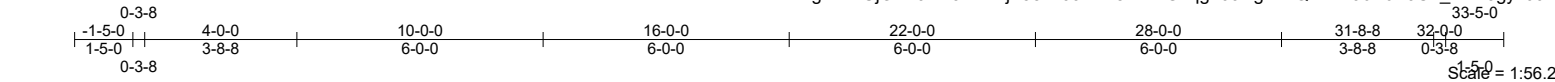


Plate Offsets (X,Y)-- [4:0-6-0,0-1-11], [6:0-6-0,0-1-11], [12:0-4-0,0-3-0]							
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL	19.3	2-0-0		TC	0.88	in (loc)	l/defl
(Ground Snow=25.0)		Plate Grip DOL	1.15	BC	0.67		L/d
TCDL	7.0	Lumber DOL	1.15	WB	0.76	Vert(LL)	-0.17 12 >999 240
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-S		Vert(CT)	-0.33 11-12 >999 180
BCDL	10.0	Code IRC2021/TPI2014				Horz(CT)	0.10 10 n/a n/a
						PLATES	GRIP
						MT20	197/144
						Weight: 129 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD
BOT CHORD 2x4 SPF No.2	
WEBS 2x4 SPF No.2	BOT CHORD

Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-8-3 max.): 4-6.
Rigid ceiling directly applied or 9-6-6 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1231/0-5-8 (min. 0-2-4), 10=1231/0-5-8 (min. 0-2-4)
Max Horz 14=56(LC 13)
Max Uplift 14=-148(LC 14), 10=-148(LC 14)
Max Grav 14=1448(LC 33), 10=1448(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-16=-2198/387, 4-16=-2176/395, 4-17=-2664/482, 17-18=-2665/482, 18-19=-2666/482, 5-19=-2668/482, 5-20=-2668/482, 20-21=-2666/482, 21-22=-2665/482, 6-22=-2664/482, 6-23=-2176/395, 7-23=-2198/387, 2-14=-279/97, 8-10=-279/97
BOT CHORD 13-14=-376/1988, 12-13=-329/2077, 11-12=-318/2077, 10-11=-339/1988
WEBS 3-13=-17/399, 4-12=-80/712, 5-12=-645/160, 6-12=-80/712, 7-11=-17/399, 3-14=-2211/447, 7-10=-2211/447

- NOTES-
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-9-6, Interior(1) 1-9-6 to 10-0-0, Exterior(2R) 10-0-0 to 14-6-5, Interior(1) 14-6-5 to 22-0-0, Exterior(2R) 22-0-0 to 26-6-5, Interior(1) 26-6-5 to 33-5-0 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
 - 2) TCLL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 14 and 148 lb uplift at joint 10.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	A4	Hip	2	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:11 2026 Page 1
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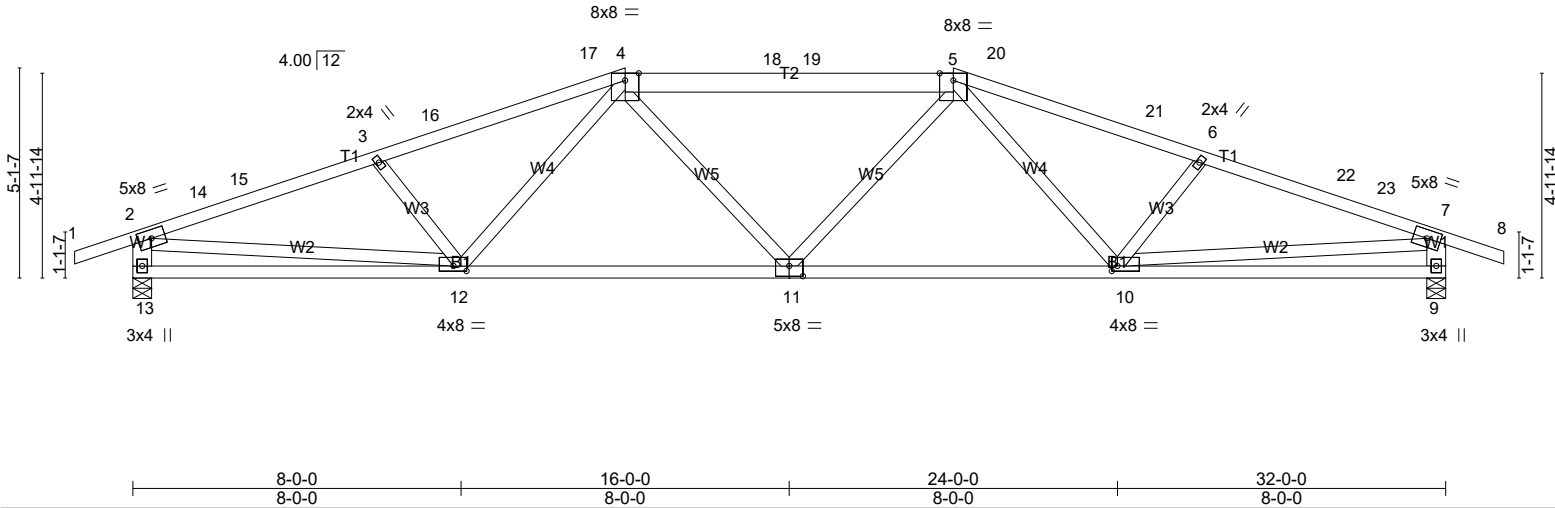
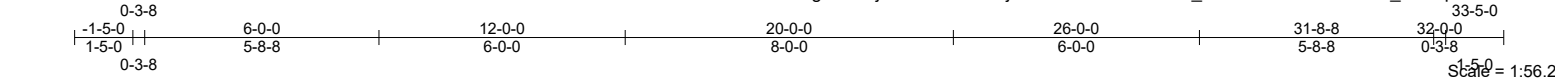


Plate Offsets (X,Y)-- [10:0-1-10,0-1-8], [11:0-4-0,0-3-0], [12:0-3-14,0-1-8]					
LOADING (psf)	SPACING-	CSI.	DEFL.		
TCLL 19.3	2-0-0	TC 0.75	in (loc)	l/defl	L/d
(Ground Snow=25.0)	Plate Grip DOL 1.15	BC 0.65	Vert(LL) -0.17 11-12	>999	240
TCDL 7.0	Lumber DOL 1.15	WB 0.55	Vert(CT) -0.33 10-11	>999	180
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.06 9	n/a	n/a
BCDL 10.0	Code IRC2021/TPI2014				
			Weight: 137 lb FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T2: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-6-5 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-13 max.): 4-5.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except* W1: 2x6 SPF No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 13=1230/0-5-8 (min. 0-2-7), 9=1230/0-5-8 (min. 0-2-7)
Max Horz 13=63(LC 13)
Max Uplift 13=-150(LC 14), 9=-150(LC 14)
Max Grav 13=1564(LC 33), 9=1564(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-2718/444, 14-15=-2649/448, 3-15=-2580/454, 3-16=-2417/409, 16-17=-2330/414, 4-17=-2271/419, 4-18=-2023/385, 18-19=-2023/385, 5-19=-2023/385, 5-20=-2271/419, 20-21=-2330/414, 6-21=-2417/409, 6-22=-2580/453, 22-23=-2649/448, 7-23=-2718/444, 2-13=-1487/314, 7-9=-1487/314
BOT CHORD 12-13=-47/290, 11-12=-306/1951, 10-11=-293/1951, 9-10=-11/287
WEBS 3-12=-506/158, 4-12=-2/401, 5-10=-1/401, 6-10=-506/158, 2-12=-360/2231, 7-10=-362/2231

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-9-6, Interior(1) 1-9-6 to 11-11-8, Exterior(2R) 11-11-8 to 16-5-13, Interior(1) 16-5-13 to 20-0-8, Exterior(2R) 20-0-8 to 24-6-13, Interior(1) 24-6-13 to 33-5-0 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
 - 2) TCDL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 13 and 150 lb uplift at joint 9.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	A5	Hip	2	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:11 2026 Page 1
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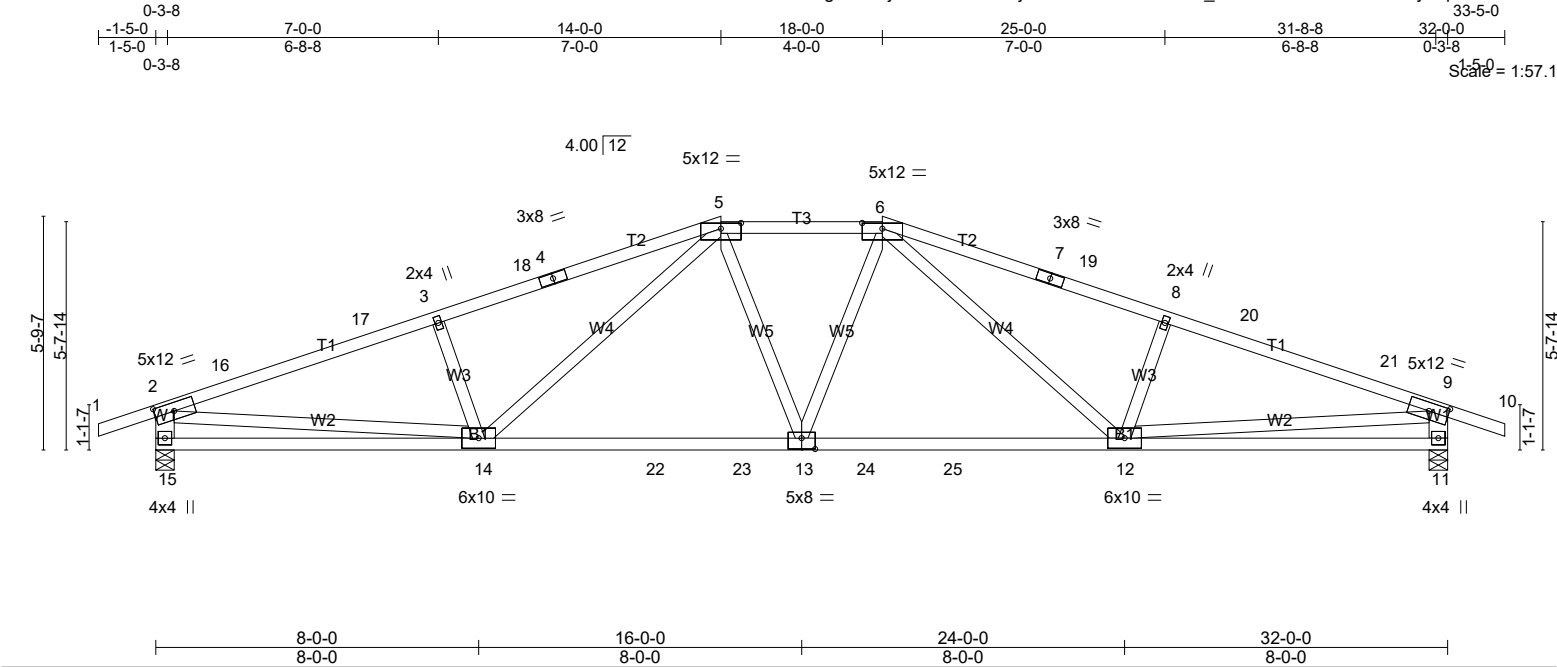


Plate Offsets (X,Y)-- [2:0-5-13,0-2-8], [5:0-6-0,0-1-11], [6:0-6-0,0-1-11], [9:0-5-13,0-2-8], [13:0-4-0,0-3-4]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	19.3	2-0-0	2-0-0	TC	0.99	in (loc)	l/defl	L/d	GRIP
(Ground Snow=25.0)		Plate Grip DOL	1.15	BC	0.90	Vert(LL)	-0.26 12-13	>999	240
TCDL	7.0	Lumber DOL	1.15	WB	0.59	Vert(CT)	-0.41 12-13	>921	180
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-S		Horz(CT)	0.07 11	n/a	n/a
BCDL	10.0	Code IRC2021/TPI2014							
								Weight: 135 lb FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2 *Except*	TOP CHORD	Structural wood sheathing directly applied, except end verticals, and
	T2: 2x4 SPF 1650F 1.5E		2-0-0 oc purlins (3-8-15 max.): 5-6.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except*		
	W1: 2x6 SPF No.2		

REACTIONS. (lb/size) 15=1230/0-5-8 (min. 0-2-10), 11=1230/0-5-8 (min. 0-2-10)
Max Horz 15=68(LC 13)
Max Uplift 15=150(LC 14), 11=150(LC 14)
Max Grav 15=1687(LC 33), 11=1687(LC 33)

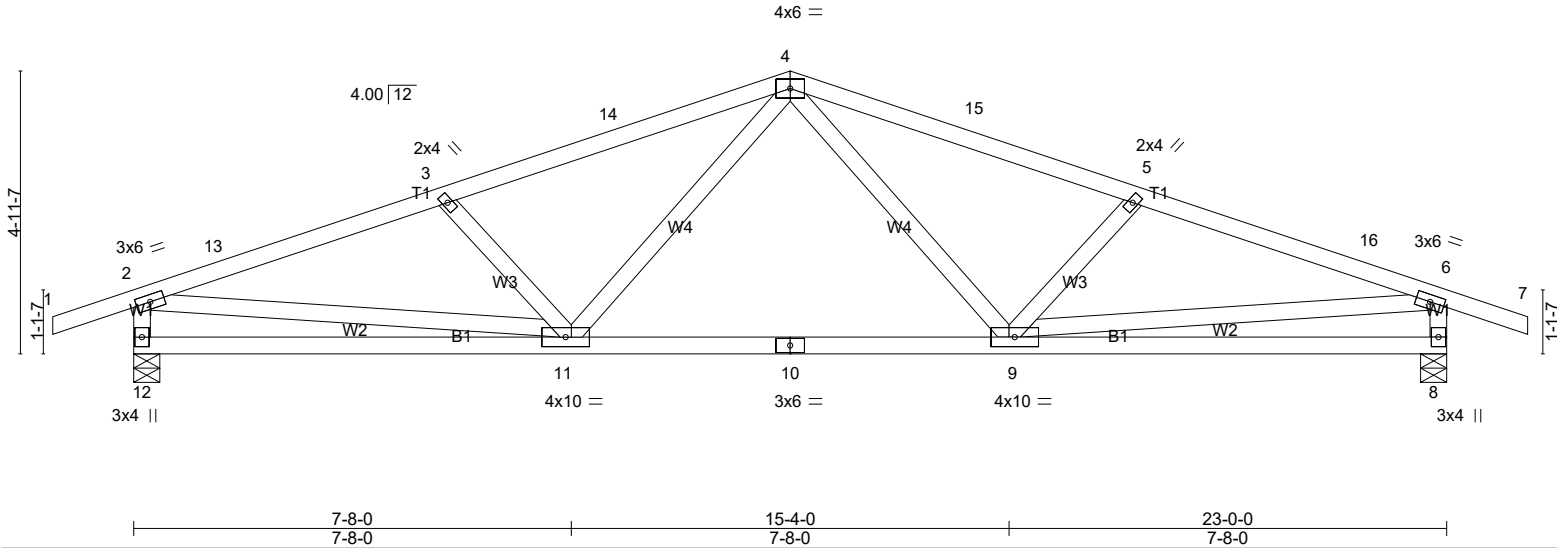
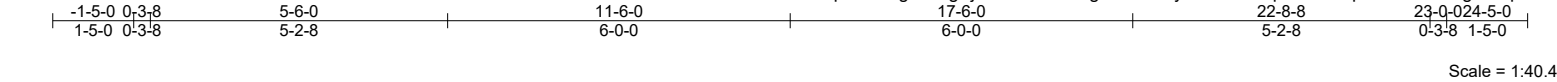
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-3003/430, 16-17=-2928/435, 3-17=-2873/441, 3-18=-2852/443, 4-18=-2790/444,
4-5=-2765/451, 5-6=-2233/387, 6-7=-2765/436, 7-19=-2790/429, 8-19=-2852/428,
8-20=-2873/426, 20-21=-2928/419, 9-21=-3003/414, 2-15=-1607/307, 9-11=-1607/314
BOT CHORD 14-15=-63/433, 14-22=-273/2177, 22-23=-273/2177, 13-23=-273/2177, 13-24=-260/2177,
24-25=-260/2177, 12-25=-260/2177, 11-12=-26/393
WEBS 3-14=-564/179, 5-14=-68/645, 5-13=-70/295, 6-13=-70/295, 6-12=-71/645,
8-12=-564/179, 2-14=-321/2407, 9-12=-330/2407

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-9-6, Interior(1) 1-9-6 to 14-0-0, Exterior(2E) 14-0-0 to 18-0-0, Exterior(2R) 18-0-0 to 22-6-5, Interior(1) 22-6-5 to 33-5-0 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
2) TCDL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 15 and 150 lb uplift at joint 11.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	B	Common	1	1	

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 19.3 (Ground Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.64 BC 0.50 WB 0.34	in (loc) l/defl L/d Vert(LL) -0.08 9-11 >999 240 Vert(CT) -0.18 9-11 >999 180 Horz(CT) 0.02 8 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES	Matrix-S		Weight: 96 lb	FT = 20%
BCLL 0.0 *	Code IRC2021/TPI2014				
BCDL 10.0					

LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 3-6-12 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.
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REACTIONS. (lb/size) 12=905/0-5-8 (min. 0-1-8), 8=905/0-5-8 (min. 0-1-8)
Max Horz 12=57(LC 13)
Max Uplift 12=-118(LC 14), 8=-118(LC 14)
Max Grav 12=934(LC 19), 8=934(LC 20)

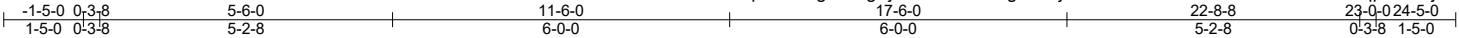
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1620/288, 3-13=-1542/297, 3-14=-1385/247, 4-14=-1303/252, 4-15=-1303/252,
5-15=-1385/247, 5-16=-1542/297, 6-16=-1620/288, 2-12=-864/245, 6-8=-864/245
BOT CHORD 10-11=-140/998, 9-10=-140/998
WEBS 4-9=-18/423, 5-9=-420/158, 4-11=-18/423, 3-11=-420/158, 2-11=-244/1377,
6-9=-245/1377

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 11-6-0, Exterior(2R) 11-6-0 to 14-6-0, Interior(1) 14-6-0 to 24-5-0 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
 - 2) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 118 lb uplift at joint 12 and 118 lb uplift at joint 8.
 - 8) 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	Job Reference (optional)
26-1337	B1	Hip Girder	1	1	

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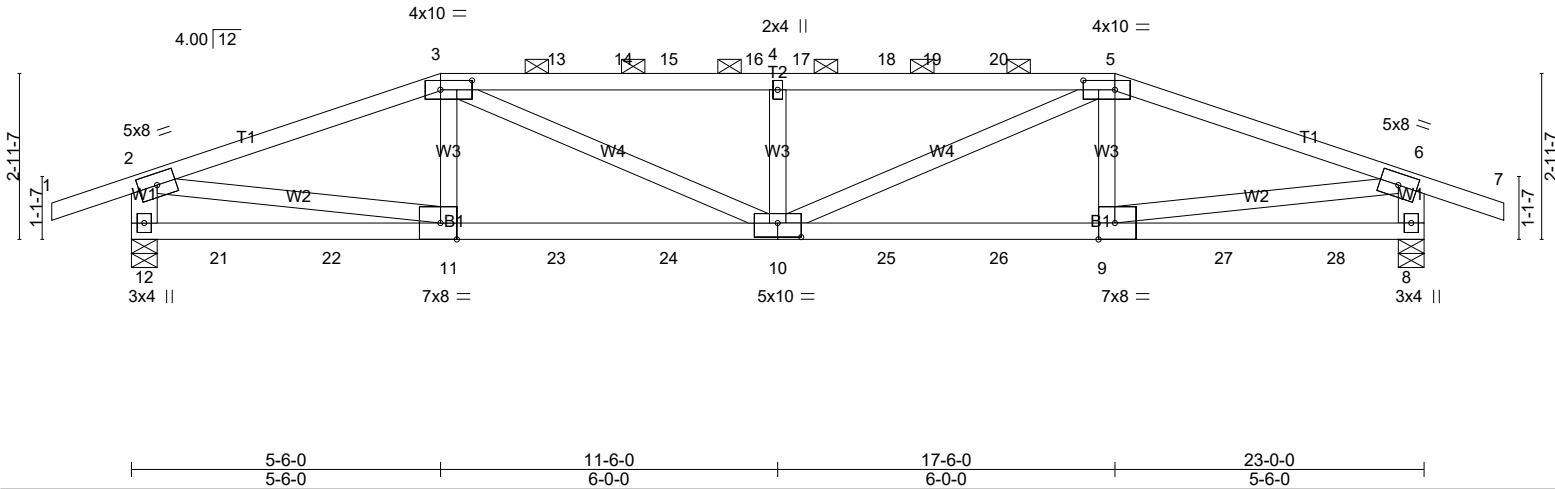


Plate Offsets (X,Y)-- [3:0-6-12,0-2-0], [5:0-6-12,0-2-0], [9:0-3-8,Edge], [10:0-5-0,0-3-0], [11:0-3-8,Edge]											
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	19.3		2-0-0				in (loc)	l/defl	L/d	MT20	197/144
(Ground Snow=25.0)		Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.24 10	>999	240		
TCDL	7.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.38 10-11	>720	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.06 8	n/a	n/a		
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S						Weight: 93 lb	FT = 20%

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	B1	Hip Girder	1	1	

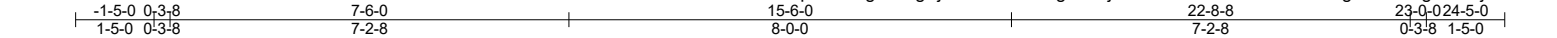
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- NOTES-**
11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-52, 2-3=-53, 3-5=-52, 5-6=-53, 6-7=-52, 8-12=-20
Concentrated Loads (lb)
Vert: 3=-381(F) 5=-381(F) 11=-44(F) 10=-44(F) 4=-132(F) 9=-44(F) 13=-132(F) 15=-132(F) 18=-132(F) 20=-132(F) 21=-26(F) 22=-27(F) 23=-44(F) 24=-44(F) 25=-44(F)
26=-44(F) 27=-27(F) 28=-26(F)

Job	Truss	Truss Type	Qty	Ply	
26-1337	B2	Hip	1	1	Job Reference (optional)

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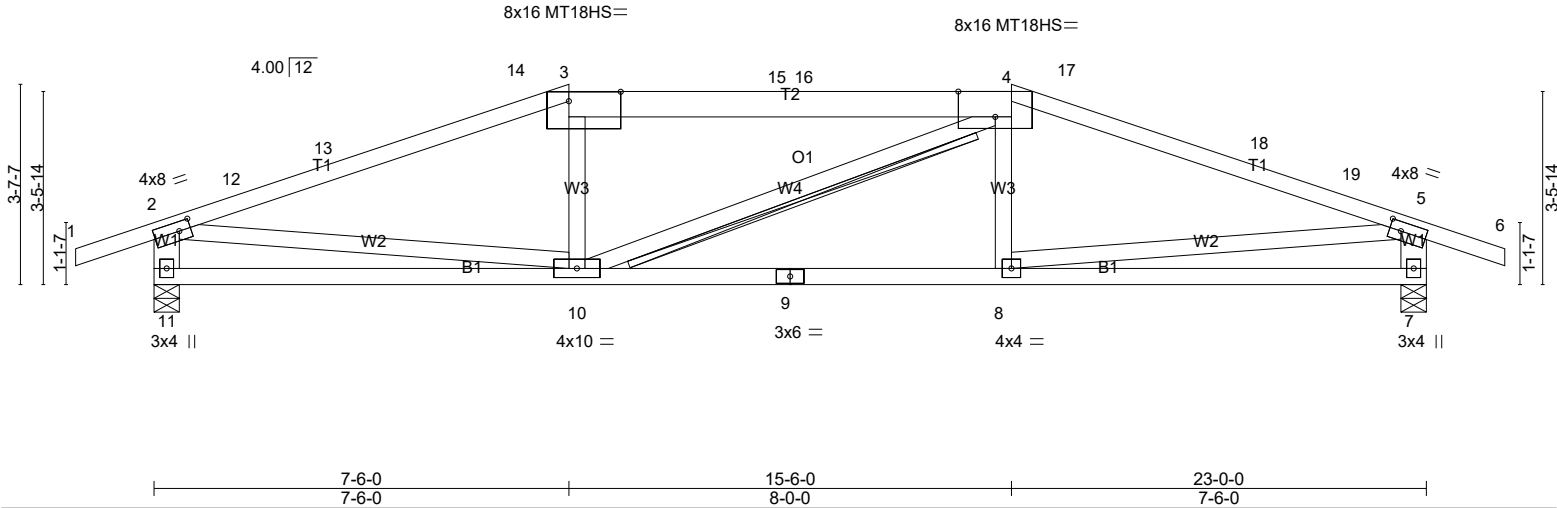


Plate Offsets (X,Y)-- [2:0-2-8,0-2-0], [3:0-11-4,0-2-1], [4:0-8-0,Edge], [5:0-2-8,0-2-0]					
LOADING (psf)		SPACING-		CSI.	
TCLL	19.3	2-0-0		TC	0.87
(Ground Snow=25.0)		Plate Grip DOL	1.15	BC	0.54
TCDL	7.0	Lumber DOL	1.15	WB	0.30
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-S	
BCDL	10.0	Code IRC2021/TPI2014			
				DEFL.	
				in (loc)	L/defl L/d
				Vert(LL)	-0.08 7-8 >999 240
				Vert(CT)	-0.17 8-10 >999 180
				Horz(CT)	0.03 7 n/a n/a
				PLATES	GRIP
				MT20	197/144
				MT18HS	197/144
				Weight: 96 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x4 SPF No.2 *Except*	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-3-4 max.): 3-4.
T2: 2x6 SPF No.2		Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD 2x4 SPF No.2	BOT CHORD	T-Brace: 2x4 SP No.3 - 4-10
WEBS 2x4 SPF No.2 *Except*	WEBS	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.
W1: 2x6 SPF No.2		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. (lb/size) 11=904/0-5-8 (min. 0-1-11), 7=904/0-5-8 (min. 0-1-11)
Max Horz 11=46(LC 13)
Max Uplift 11=120(LC 14), 7=120(LC 14)
Max Grav 11=1091(LC 33), 7=1091(LC 33)

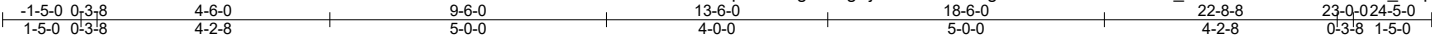
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-1564/282, 12-13=-1516/286, 13-14=-1500/288, 3-14=-1460/293, 3-15=-1428/305, 15-16=-1428/305, 4-16=-1428/305, 4-17=-1458/294, 17-18=-1499/288, 18-19=-1515/286, 5-19=-1563/282, 2-11=-1022/266, 5-7=-1022/266
BOT CHORD 10-11=-132/470, 9-10=-212/1429, 8-9=-212/1429, 7-8=-96/472
WEBS 2-10=-161/1213, 5-8=-163/1210

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 7-6-0, Exterior(2R) 7-6-0 to 11-8-15, Interior(1) 11-8-15 to 15-6-0, Exterior(2R) 15-6-0 to 19-8-15, Interior(1) 19-8-15 to 24-5-0 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
 - 2) TCCL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 120 lb uplift at joint 11 and 120 lb uplift at joint 7.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

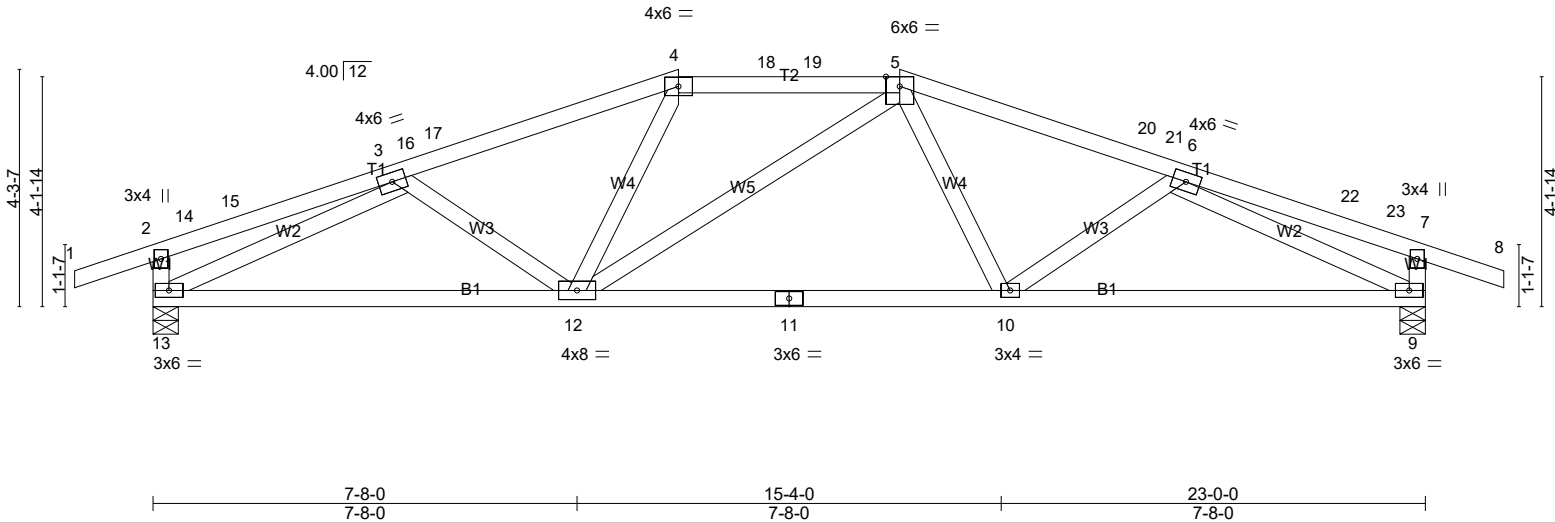
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	B3	Hip	1	1	

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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	19.3		2-0-0				in	(loc)	l/defl	L/d	MT20		197/144
(Ground Snow=25.0)		Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.09	10-12	>999	240			
TCDL	7.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.18	10-12	>999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.06	9	n/a	n/a			
BCDL	10.0	Code IRC2021/TPI2014		Matrix-S							Weight: 95 lb		FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 3-10-11 oc purlins, except end verticals, and 2-0-0 oc purlins (4-10-15 max.): 4-5.
BOT CHORD 2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 13=905/0-5-8 (min. 0-1-14), 9=905/0-5-8 (min. 0-1-14)
Max Horz 13=51(LC 13)
Max Uplift 13=-118(LC 14), 9=-118(LC 14)
Max Grav 13=1213(LC 33), 9=1213(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-16=-1639/280, 16-17=-1628/281, 4-17=-1565/290, 4-18=-1381/319, 18-19=-1381/319, 5-19=-1381/319, 5-20=-1565/273, 20-21=-1628/264, 6-21=-1639/263, 2-13=-345/116, 7-9=-345/117
BOT CHORD 12-13=-282/1589, 11-12=-201/1380, 10-11=-201/1380, 9-10=-238/1589
WEBS 4-12=0/276, 5-10=0/276, 3-13=-1681/314, 6-9=-1680/307

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 9-6-0, Exterior(2E) 9-6-0 to 13-6-0, Exterior(2R) 13-6-0 to 17-8-15, Interior(1) 17-8-15 to 24-5-0 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
 - 2) TCDL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 13 and 118 lb uplift at joint 9.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

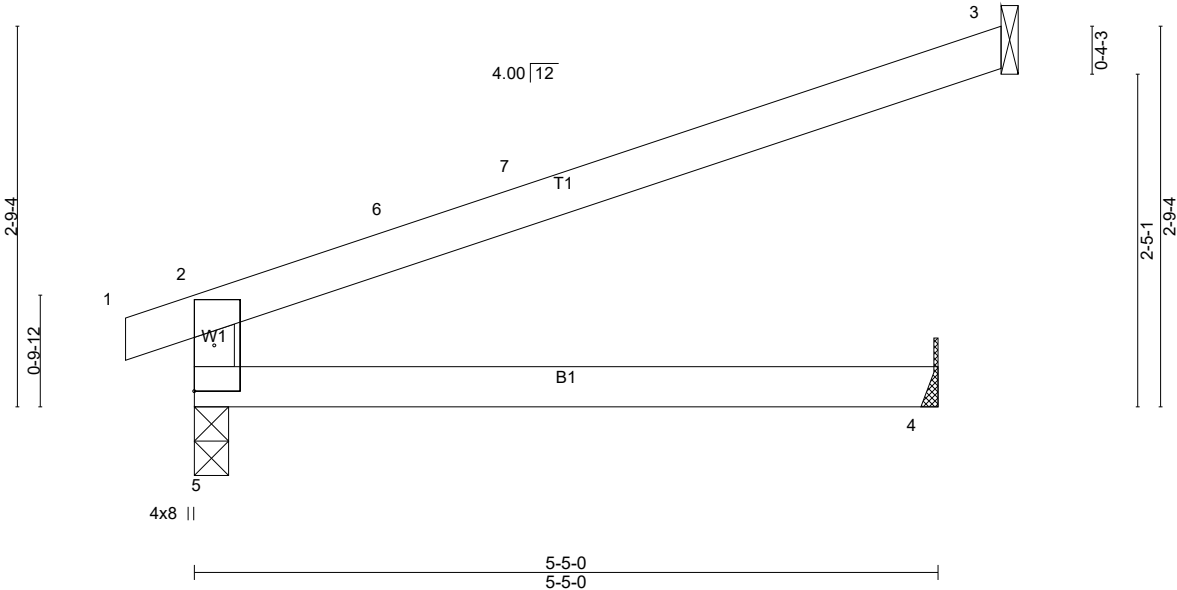
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	C	Jack-Open	12	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:14 2026 Page 1
ID:p1DJEEg?EWgAjt4ebBKBdEz7gPN-3vnmN4J6uvISe3_7GiU92evwvra05SZaV_YHpjz09Tp

-0-6-0	0-3-8	5-1-8	5-5-0
0-6-0	0-3-8	4-10-0	0-3-8

Scale = 1:16.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 19.3	2-0-0		in (loc) l/defl L/d	MT20	197/144
(Ground Snow=25.0)	Plate Grip DOL 1.15	TC 0.57	Vert(LL) -0.05 4-5 >999 240		
TCDL 7.0	Lumber DOL 1.15	BC 0.31	Vert(CT) -0.09 4-5 >706 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.04 3 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014	Matrix-R		Weight: 14 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 5-5-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=236/0-3-0 (min. 0-1-8), 3=135/Mechanical, 4=65/Mechanical
Max Horz5=60(LC 14)
Max Uplift5=-27(LC 14), 3=-47(LC 14)
Max Grav5=329(LC 19), 3=202(LC 19), 4=98(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-298/141

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-6-0 to 2-6-0, Interior(1) 2-6-0 to 5-9-12 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) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 5 and 47 lb uplift at joint 3.

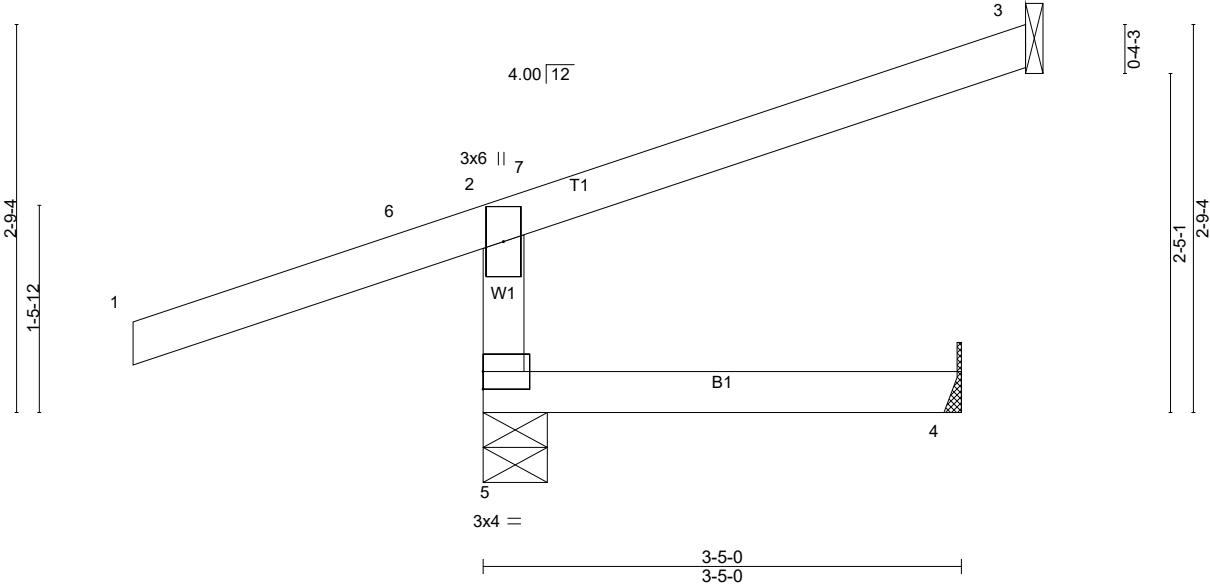
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	CA	Jack-Open	9	1	

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ID:p1DJEEg?EWgAjt4ebBKbDEz7gPN-X5L8bPKkfDRJFDZJqQ?ObrS5iFxlQvpjkeHqL9z09To

-2-6-0	0-3-8	3-1-8	3-5-0
2-6-0	0-3-8	2-10-0	0-3-8

Scale = 1:16.5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 19.3	2-0-0	TC 0.57	in (loc) l/defl L/d	MT20	197/144
(Ground Snow=25.0)	Plate Grip DOL 1.15	BC 0.24	Vert(LL) 0.01 4-5 >999 240		
TCDL 7.0	Lumber DOL 1.15	WB 0.00	Vert(CT) 0.01 4-5 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.05 3 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014			Weight: 13 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

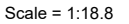
REACTIONS. (lb/size) 5=319/0-5-8 (min. 0-1-8), 3=58/Mechanical, 4=19/Mechanical
Max Horz5=79(LC 14)
Max Uplift5=-91(LC 14), 3=-30(LC 18), 4=-3(LC 18)
Max Grav5=465(LC 19), 3=86(LC 19), 4=57(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-414/213

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 3-9-12 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) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 5, 30 lb uplift at joint 3 and 3 lb uplift at joint 4.

LOAD CASE(S) Standard

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:15 2026 Page 1
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Weight: 17 lb FT = 20%

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

Max Horz5=77(LC 14)
Max Uplift5=-52(LC 14), 3=-48(LC 14)
Max Grav5=391(LC 19), 3=204(LC 19), 4=107(LC 5)

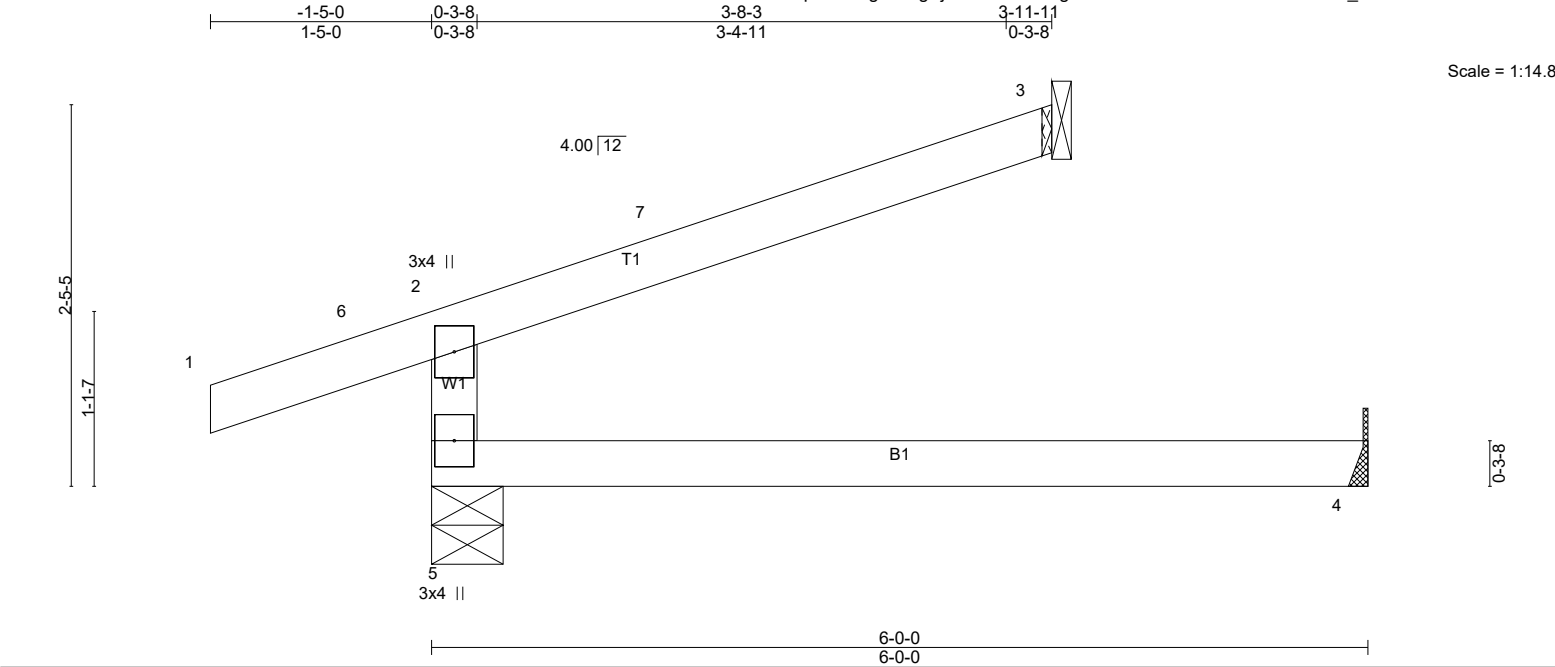
TOP CHORD 2-5=-347/182

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCdL=3.0psf; BCdL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 5-11-4 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
- 2) TCDL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 5 and 48 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	J1	Jack-Open	4	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:16 2026 Page 1
ID:p1DJEEg?EWgAjt4ebBKBdEz7gPN-?lvWoiLMQWZAtM8VO7Xd73_LteFwZM3tzI1Oubz09Tn



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 19.3	2-0-0	TC 0.22	Vert(LL)	-0.05	4-5	>999	240	MT20	197/144
(Ground Snow=25.0)	Plate Grip DOL 1.15	BC 0.28	Vert(CT)	-0.10	4-5	>705	180		
TCDL 7.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.03	3	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R						Weight: 14 lb	FT = 20%
BCDL 10.0	Code IRC2021/TPI2014								

LUMBER-	BRACING-	
TOP CHORD 2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 3-11-11 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=253/0-5-8 (min. 0-1-8), 3=90/Mechanical, 4=53/Mechanical
Max Horz5=62(LC 14)
Max Uplift5=-43(LC 14), 3=-28(LC 14)
Max Grav5=354(LC 19), 3=130(LC 19), 4=103(LC 5)

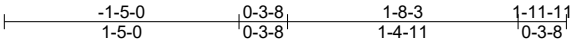
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-292/156

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 3-10-15 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) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 5 and 28 lb uplift at joint 3.

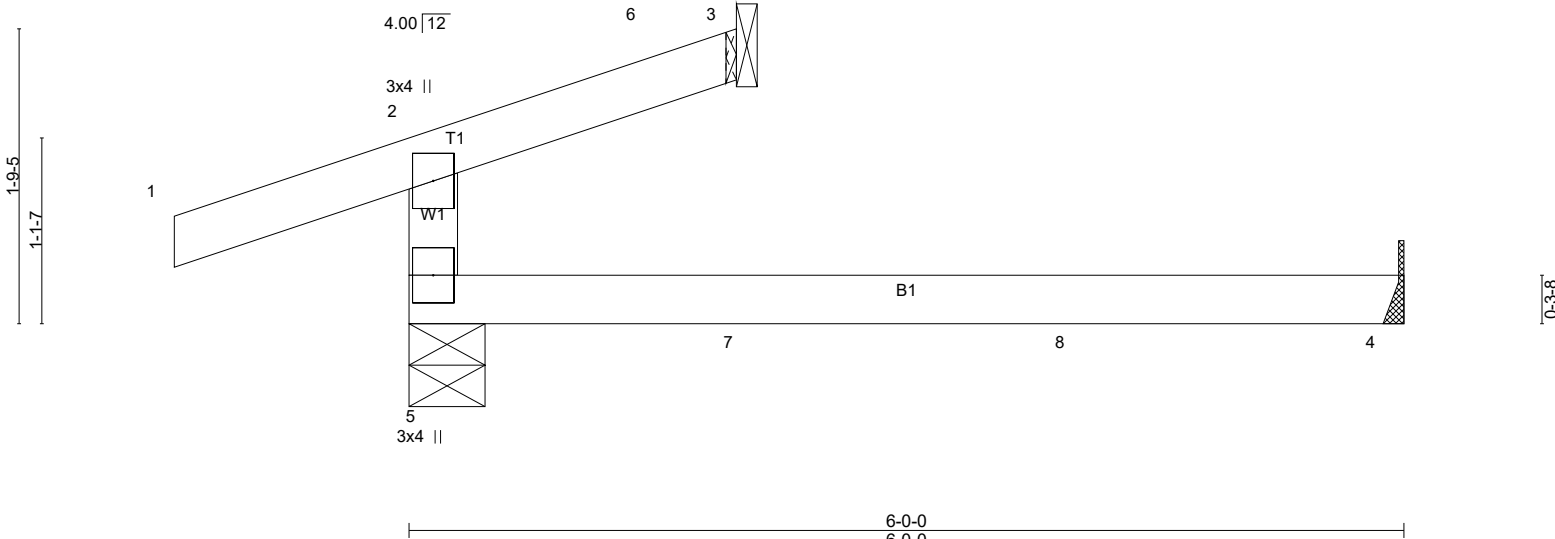
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	J2	Jack-Open	4	1	

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Scale = 1:13.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 19.3 (Ground Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.21	Vert(LL) -0.05	4-5	>999	240		MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.27	Vert(CT) -0.09	4-5	>768	180			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.02	3	n/a	n/a			
BCDL 10.0	Code IRC2021/TPI2014	Matrix-R						Weight: 12 lb	FT = 20%

LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 1-11-11 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) 5=203/0-5-8 (min. 0-1-8), 3=45/Mechanical, 4=55/Mechanical
Max Horz5=47(LC 14)
Max Uplift5=-43(LC 14), 3=-11(LC 18)
Max Grav5=271(LC 19), 3=57(LC 5), 4=101(LC 5)

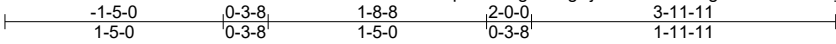
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 1-11-9 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
 - 2) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 5 and 11 lb uplift at joint 3.
 - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10 lb down and 1 lb up at 2-0-12, and 15 lb down and 16 lb up at 4-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

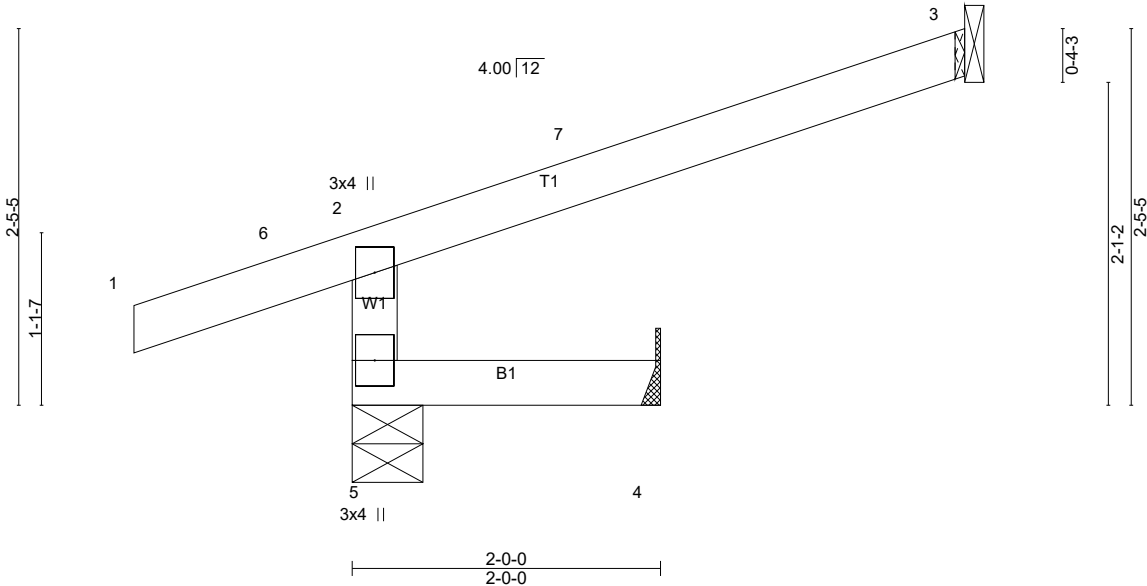
- LOAD CASE(S)** Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-52, 2-3=-52, 4-5=-20
Concentrated Loads (lb)
Vert: 7=1(B) 8=-11(B)

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	J3	Jack-Open	4	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:17 2026 Page 1
ID:p1DJEEg?EWgAjt4ebBKbDEz7gPN-UUSu?5M_Bqh1VWjixr2sgGXWy2ebIpJ0BymxQ2z09Tm



Scale = 1:15.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 19.3	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	197/144
(Ground Snow=25.0)	Plate Grip DOL 1.15	BC 0.13	Vert(LL) 0.00 4-5 >999 240		
TCDL 7.0	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 4-5 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.01 3 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014			Weight: 10 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=213/0-5-8 (min. 0-1-8), 3=79/Mechanical, 4=25/Mechanical
Max Horz 5=62(LC 14)
Max Uplift 5=-51(LC 14), 3=-31(LC 14), 4=-6(LC 14)
Max Grav 5=312(LC 19), 3=118(LC 19), 4=37(LC 5)

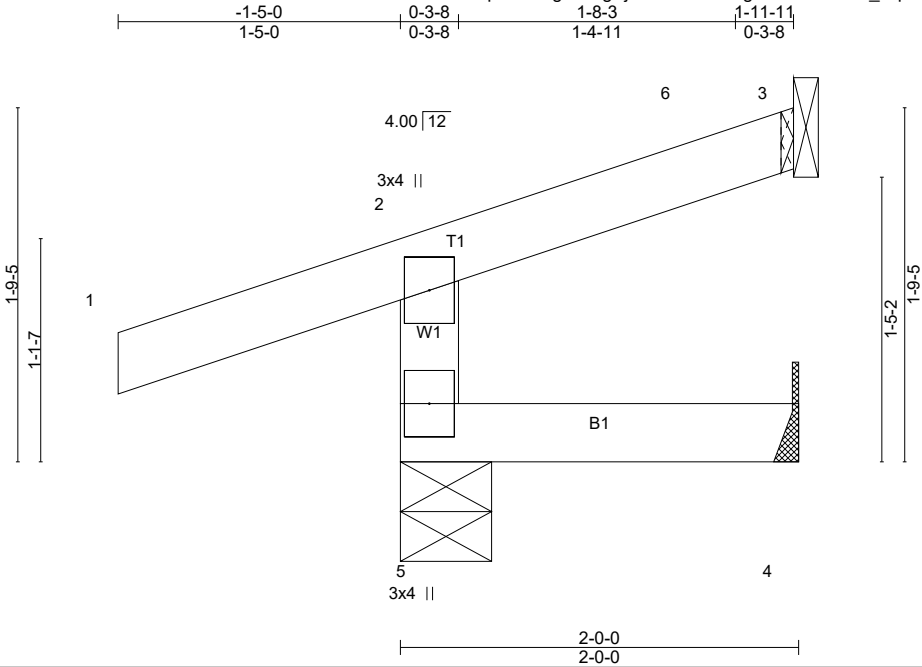
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-303/154

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 3-10-15 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) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 5, 31 lb uplift at joint 3 and 6 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	J4	Jack-Open	4	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:17 2026 Page 1
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Scale = 1:11.6

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 19.3 (Ground Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.21 BC 0.07 WB 0.00	in (loc) l/defl L/d Vert(LL) 0.00 4-5 >999 240 Vert(CT) 0.00 4-5 >999 180 Horz(CT) -0.01 3 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES	Matrix-R		Weight: 7 lb	FT = 20%
BCLL 0.0 *	Code IRC2021/TPI2014				
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=183/0-5-8 (min. 0-1-8), 3=21/Mechanical, 4=10/Mechanical
Max Horz 5=47(LC 14)
Max Uplift 5=-50(LC 14), 3=-29(LC 18)
Max Grav 5=253(LC 19), 3=29(LC 19), 4=32(LC 5)

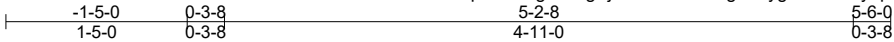
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) - 1-5-0 to 1-7-0, Interior(1) 1-7-0 to 1-11-9 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
 - 2) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 5 and 29 lb uplift at joint 3.

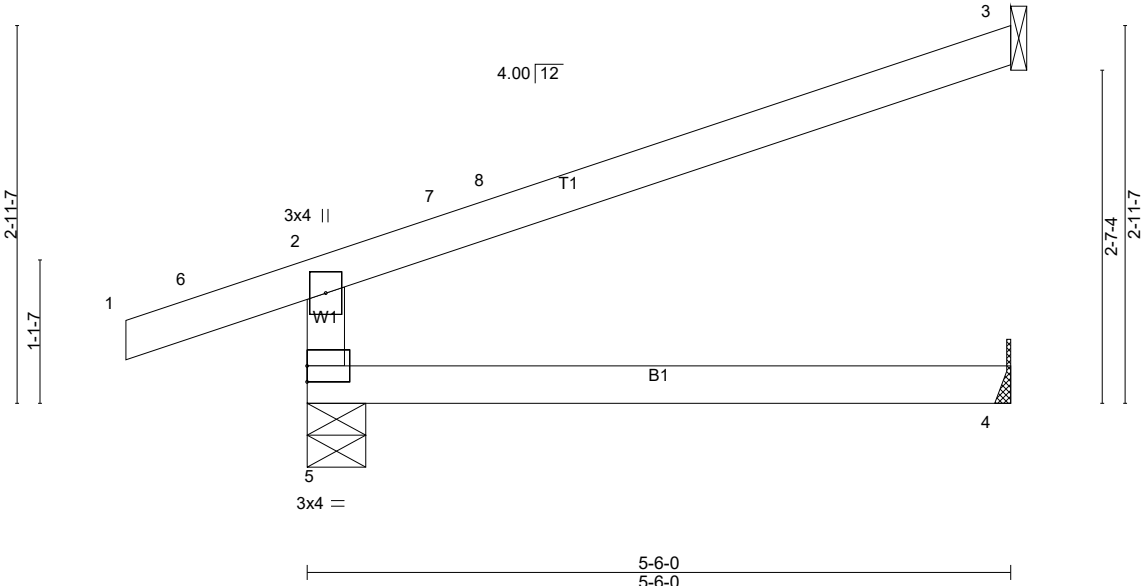
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	JB	Jack-Open	7	1	

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Scale = 1:18.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 19.3	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	197/144
(Ground Snow=25.0)	Plate Grip DOL 1.15	BC 0.25	Vert(LL) -0.04 4-5 >999 240		
TCDL 7.0	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.08 4-5 >822 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.05 3 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014			Weight: 15 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD
BOT CHORD 2x4 SPF No.2	Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
WEBS 2x4 SPF No.2	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) 5=286/0-5-8 (min. 0-1-8), 3=123/Mechanical, 4=57/Mechanical
Max Horz5=73(LC 14)
Max Uplift5=-51(LC 14), 3=-44(LC 14)
Max Grav5=382(LC 19), 3=185(LC 19), 4=98(LC 5)

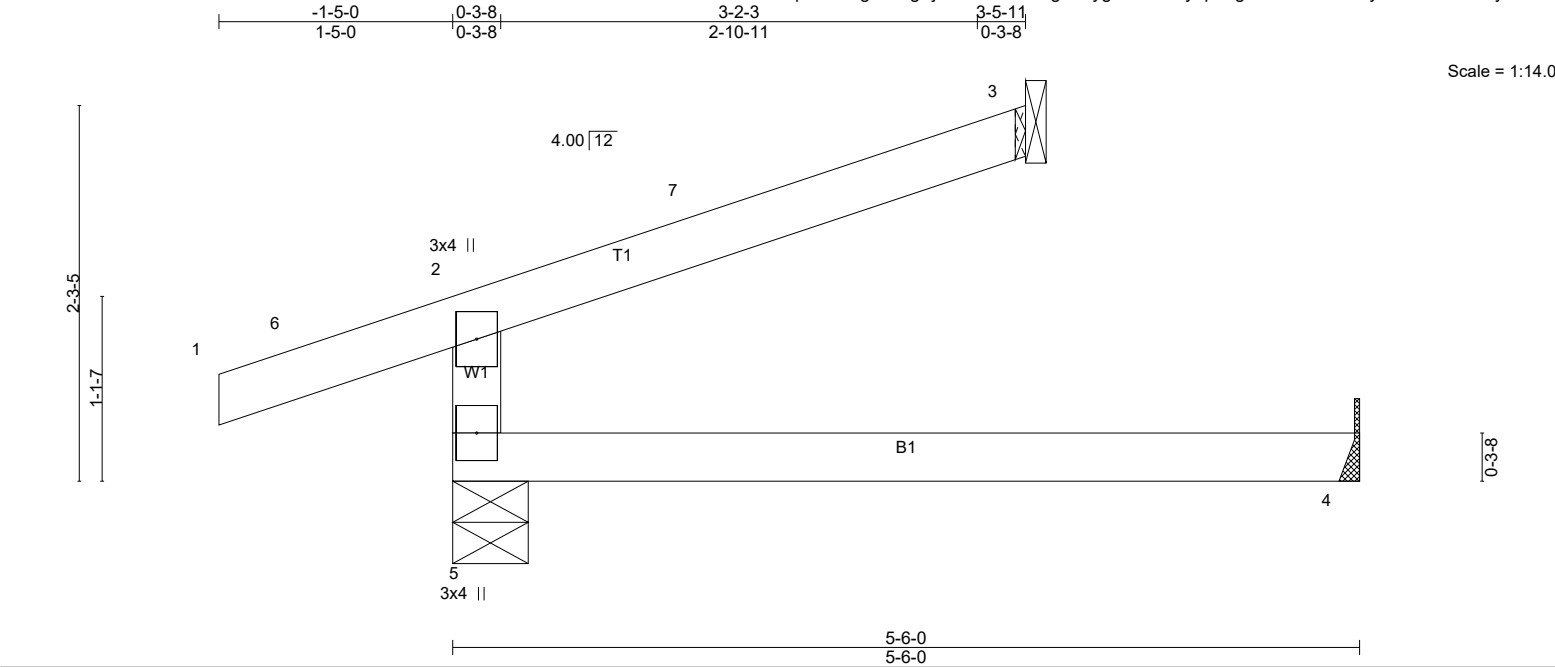
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-340/175

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 5-5-4 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
 - 2) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 5 and 44 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	JB1	Jack-Open	2	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:18 2026 Page 1
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 19.3	Plate Grip DOL	1.15	TC 0.20	Vert(LL)	-0.03	4-5	>999	240	MT20	197/144
(Ground Snow=25.0)	Lumber DOL	1.15	BC 0.23	Vert(CT)	-0.07	4-5	>932	180		
TCDL 7.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.02	3	n/a	n/a		
BCLL 0.0 *	Code IRC2021/TPI2014		Matrix-R						Weight: 13 lb	FT = 20%
BCDL 10.0										

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD
BOT CHORD 2x4 SPF No.2	Structural wood sheathing directly applied or 3-5-11 oc purlins, except end verticals.
WEBS 2x4 SPF No.2	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) 5=237/0-5-8 (min. 0-1-8), 3=76/Mechanical, 4=47/Mechanical
Max Horz5=58(LC 14)
Max Uplift5=-43(LC 14), 3=-23(LC 14)
Max Grav5=331(LC 19), 3=108(LC 19), 4=94(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-272/149

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 3-4-15 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) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 5 and 23 lb uplift at joint 3.

LOAD CASE(S) Standard

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:18 2026 Page 1
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LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 1-5-11 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.
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REACTIONS. (lb/size) 5=190/0-5-8 (min. 0-1-8), 3=23/Mechanical, 4=46/Mechanical
Max Horz 5=43(LC 14)
Max Uplift 5=48(LC 14), 3=32(LC 18)
Max Grav 5=257(LC 18), 3=59(LC 5), 4=92(LC 5)

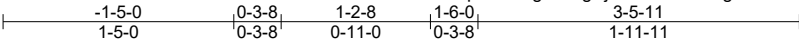
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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) TLL: ASCE 7-16; Pg=25.0 psf; Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 5 and 32 lb uplift at joint 3.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 8 lb down and 12 lb up at 1-6-12, and 13 lb down and 17 lb up at 3-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

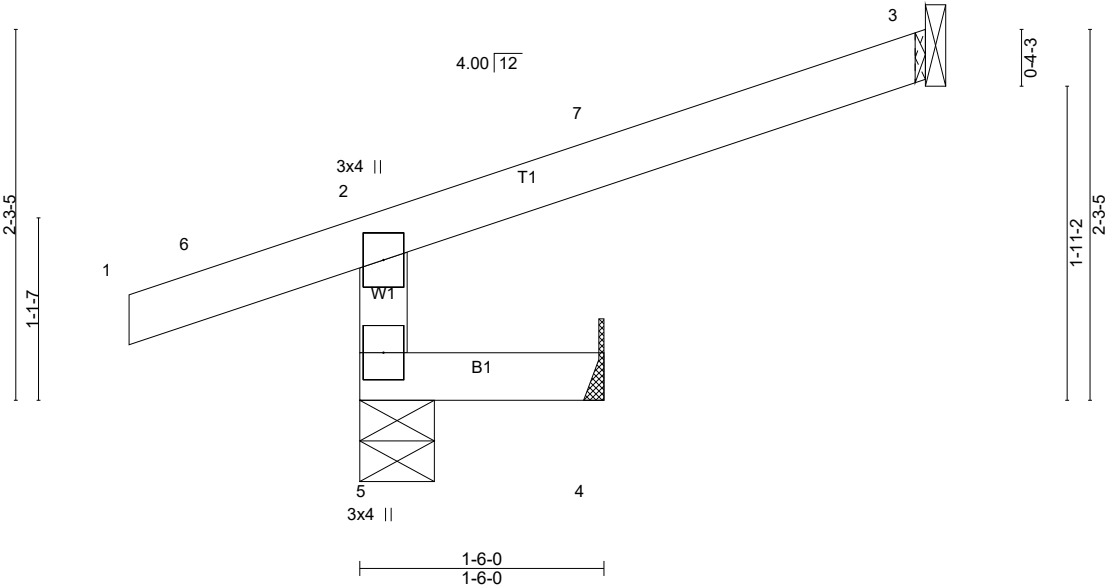
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-53, 2-3=-53, 4-5=-20
Concentrated Loads (lb)
Vert: 6=2(F) 7=-4(F)

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	JB3	Jack-Open	2	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:19 2026 Page 1
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Scale = 1:14.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 19.3	2-0-0		in (loc) l/defl L/d	MT20	197/144
(Ground Snow=25.0)	Plate Grip DOL 1.15	TC 0.20	Vert(LL) 0.00 4-5 >999 240		
TCDL 7.0	Lumber DOL 1.15	BC 0.09	Vert(CT) 0.00 5 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.01 3 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014	Matrix-R		Weight: 8 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-6-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=200/0-5-8 (min. 0-1-8), 3=66/Mechanical, 4=15/Mechanical
Max Horz 5=58(LC 14)
Max Uplift 5=-49(LC 14), 3=-26(LC 14), 4=-19(LC 18)
Max Grav 5=293(LC 19), 3=98(LC 19), 4=26(LC 5)

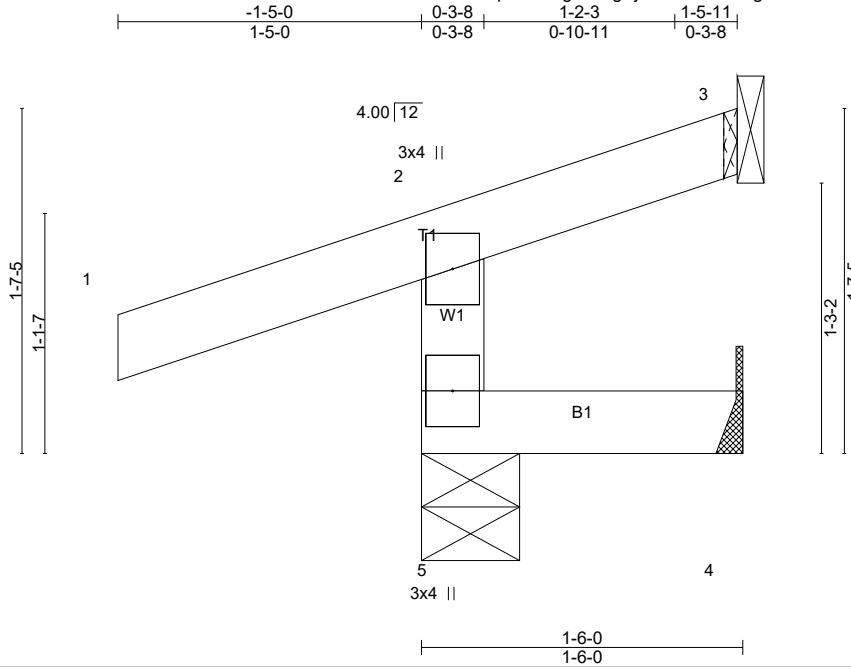
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-282/149

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-5-0 to 1-7-0, Interior(1) 1-7-0 to 3-4-15 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) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 5, 26 lb uplift at joint 3 and 19 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
26-1337	JB4	Jack-Open	2	1	

Run: 25.300 s 30 Jan 8 2026 Print: 25.3.0 s Jan 8 2026 MiTek Industries, Inc. Thu Jul 2 09:37:19 2026 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 19.3 (Ground Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.21	Vert(LL) 0.00	5	>999	240		MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.05	Vert(CT) 0.00	5	>999	180			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.01	3	n/a	n/a			
BCDL 10.0	Code IRC2021/TPI2014	Matrix-R						Weight: 6 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-5-11 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=178/0-5-8 (min. 0-1-8), 3=-3/Mechanical, 4=2/Mechanical
Max Horz 5=43(LC 14)
Max Uplift 5=-54(LC 10), 3=-53(LC 18), 4=-9(LC 18)
Max Grav 5=249(LC 18), 3=5(LC 12), 4=22(LC 5)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=5.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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) TCLL: ASCE 7-16; Pg=25.0 psf, Pf=19.3 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 5, 53 lb uplift at joint 3 and 9 lb uplift at joint 4.

LOAD CASE(S) Standard