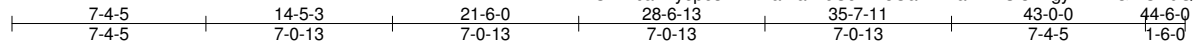


Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A1	Common	5	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:35:51 2019 Page 1  
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5x8 M18SHS=

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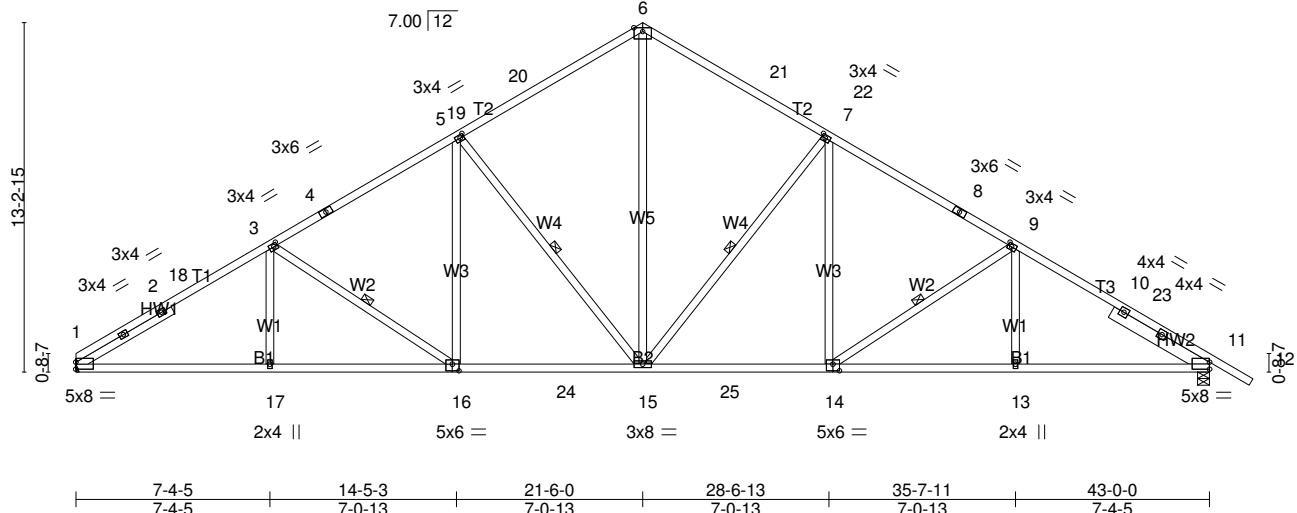


Plate Offsets (X,Y)-- [1:0-0-0,0-3-2], [3:0-1-12,0-1-8], [5:0-1-12,0-1-8], [7:0-1-12,0-1-8], [9:0-1-12,0-1-8], [11:0-0-0,0-3-2], [14:0-3-0,0-3-0], [16:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.82	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=35.0)	Plate Grip DOL 1.15	BC 0.51	Vert(LL) -0.24 15-16 >999 360	M18SHS	220/195
TCDL 8.0	Lumber DOL 1.15	WB 0.69	Vert(CT) -0.37 15-16 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.17 11 n/a n/a		
BCDL 8.0	Code IRC2015/TPI2014		Wind(LL) 0.07 15 >999 240		
				Weight: 247 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std  
 SLIDER Left 2x4 DF Stud/Std - 4-2-9, Right 2x6 DF 1800F 1.6E -, 4-2-9

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 7-15, 9-14, 5-15, 3-16

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

**REACTIONS.** (lb/size) 1=2191/Mechanical, 11=2331/0-5-8 (min. 0-2-8)  
 Max Horz 1=-209(LC 12)  
 Max Uplift1=-123(LC 14), 11=-165(LC 14)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-3571/278, 2-18=-3435/282, 3-18=-3302/297, 3-4=-2960/276, 4-5=-2817/303,  
 5-19=-2299/281, 19-20=-2281/284, 6-20=-2144/311, 6-21=-2144/308, 21-22=-2269/284,  
 7-22=-2299/278, 7-8=-2813/296, 8-9=-2955/269, 9-10=-3418/281, 10-23=-3417/262,  
 11-23=-3555/261  
 BOT CHORD 1-17=-163/2913, 16-17=-163/2913, 16-24=-66/2433, 15-24=-66/2433, 15-25=-70/2430,  
 14-25=-70/2430, 13-14=-152/2894, 11-13=-152/2894  
 WEBS 6-15=-168/1559, 7-15=-1095/148, 7-14=0/480, 9-14=-557/100, 9-13=0/250, 5-15=-1120/149,  
 5-16=-3/487, 3-16=-576/116, 3-17=0/253

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 4-3-10, Interior(1) 4-3-10 to 21-6-0, Exterior(2) 21-6-0 to 25-9-10, Interior(1) 25-9-10 to 44-6-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are MT20 plates unless otherwise indicated.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 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 = 8.0psf.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 1 and 165 lb uplift at joint 11.
  - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A1G	Common Supported Gable	1	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:35:53 2019 Page 1  
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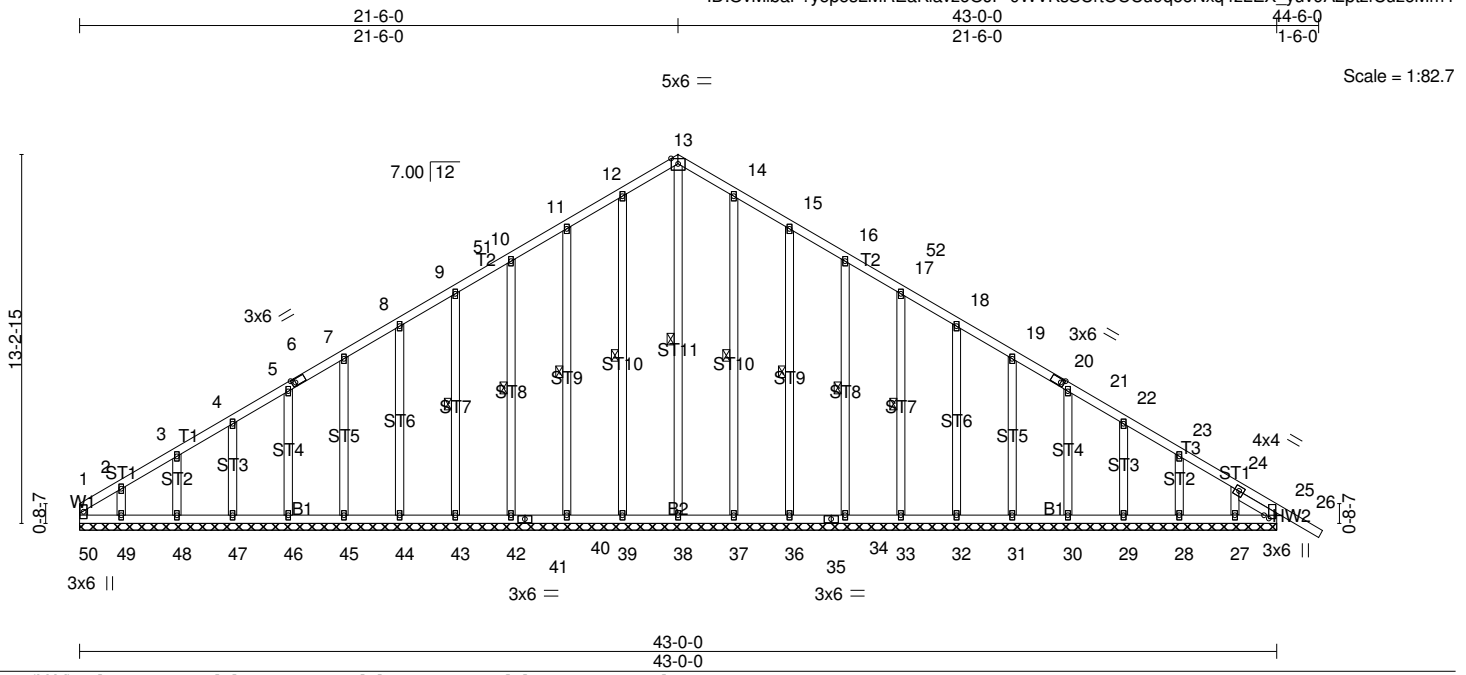


Plate Offsets (X,Y)-- [6:0-1-8,0-1-8], [20:0-1-8,0-1-8], [24:0-0-0,0-0-0], [25:0-1-8,0-1-15]					
<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 35.0	Plate Grip DOL 1.15	TC 0.26	Vert(LL) 0.00 25 n/r 120	MT20	220/195
(Roof Snow=35.0)	Lumber DOL 1.15	BC 0.07	Vert(CT) -0.00 26 n/r 120		
TCDL 8.0	Rep Stress Incr YES	WB 0.20	Horz(CT) 0.01 25 n/a n/a		
BCLL 0.0 *	Code IRC2015/TPI2014	Matrix-R			
BCDL 8.0				Weight: 318 lb	FT = 0%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF Stud/Std	WEBS 1 Row at midpt 13-38, 12-39, 11-40, 10-42, 9-43, 14-37, 15-36, 16-34, 17-33
OTHERS 2x4 DF Stud/Std	
SLIDER Right 2x4 DF Stud/Std -, 1-7-4	

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

**REACTIONS.** All bearings 43-0-0.  
(lb) - Max Horz 50=-215(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 39, 40, 42, 43, 44, 45, 46, 47, 48, 49, 37, 36, 34, 33, 32, 31, 30, 29, 28, 27, 25 except 50=-104(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 50, 38, 43, 44, 45, 46, 47, 48, 49, 33, 32, 31, 30, 29, 28, 27 except 39=330(LC 19), 40=329(LC 19), 42=297(LC 19), 37=325(LC 20), 36=324(LC 20), 34=279(LC 20), 25=409(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 12-13=-222/257, 13-14=-222/257  
WEBS 12-39=-298/35, 11-40=-297/68, 10-42=-265/59, 14-37=-293/35, 15-36=-292/68

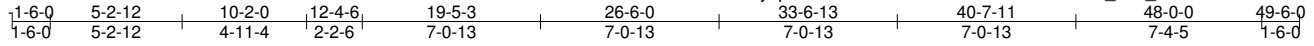
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) 0-1-12 to 4-5-6, Exterior(2) 4-5-6 to 21-6-0, Corner(3) 21-6-0 to 25-9-10, Exterior(2) 25-9-10 to 44-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) 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.
  - 3) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 7) Gable requires continuous bottom chord bearing.
  - 8) Gable studs spaced at 2-0-0 oc.
  - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 10) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 39, 40, 42, 43, 44, 45, 46, 47, 48, 49, 37, 36, 34, 33, 32, 31, 30, 29, 28, 27, 25 except (jt=lb) 50=104.
  - 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A2	Roof Special	2	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:35:55 2019 Page 1  
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Scale = 1:91.3

5x8 M18SHS=

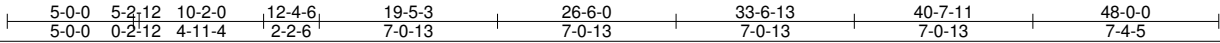
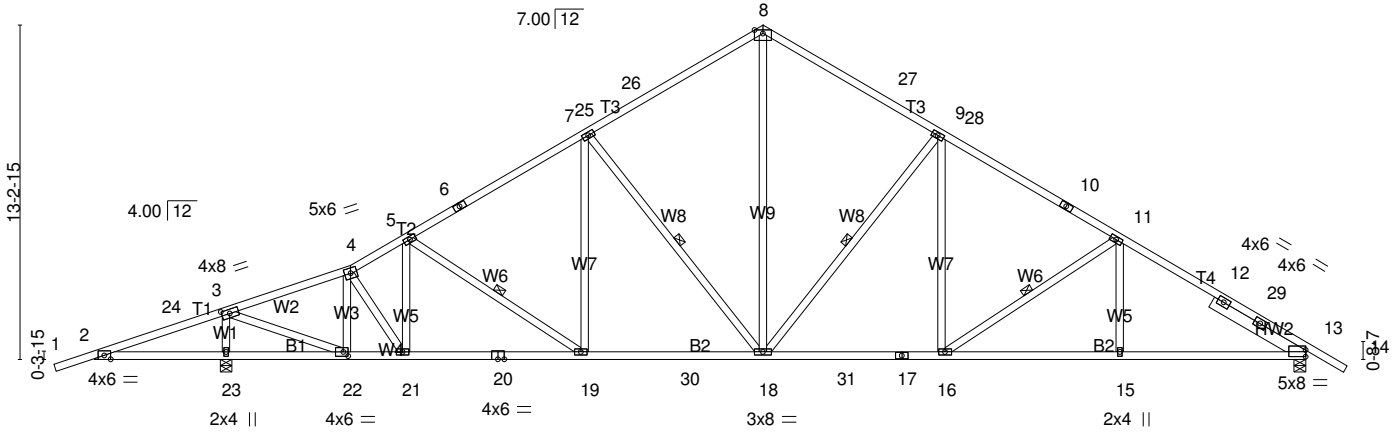


Plate Offsets (X,Y)-- [3:0-3-12,0-2-0], [13:0-0-0,0-3-2], [22:0-2-4,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.86	Vert(LL)	-0.23 16-18	>999	360	MT20	220/195
(Roof Snow=35.0)	Plate Grip DOL 1.15	BC 0.50	Vert(CT)	-0.35 16-18	>999	240	M18SHS	220/195
TCDL 8.0	Lumber DOL 1.15	WB 0.72	Horz(CT)	0.13 13	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Wind(LL)	0.07 18	>999	240		
BCDL 8.0	Code IRC2015/TPI2014						Weight: 275 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Right 2x6 DF 1800F 1.6E -, 4-2-9

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:  
 5-5-3 oc bracing: 2-23  
 5-5-0 oc bracing: 2-23.  
 WEBS 1 Row at midpt 5-19, 7-18, 9-18, 11-16

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

**REACTIONS.** (lb/size) 23=2896/0-5-8 (min. 0-3-1), 13=2268/0-5-8 (min. 0-2-8)  
 Max Horz 23=209(LC 13)  
 Max Uplift 23=287(LC 14), 13=152(LC 14)  
 Max Grav 23=2896(LC 1), 13=2327(LC 33)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-24=-538/1529, 3-24=-526/1642, 3-4=-2416/80, 4-5=-2854/166, 5-6=-2725/217,  
 6-7=-2580/238, 7-25=-2177/245, 25-26=-2159/248, 8-26=-2023/275, 8-27=-2023/284,  
 9-27=-2259/257, 9-28=-2636/273, 10-28=-2694/271, 10-11=-2955/246, 11-12=-3403/260,  
 12-29=-3403/242, 13-29=-3540/241  
 BOT CHORD 2-23=-1448/555, 22-23=-1448/542, 21-22=0/2300, 20-21=-35/2469, 19-20=-35/2469,  
 19-30=-15/2237, 18-30=-15/2237, 18-31=-30/2445, 17-31=-30/2445, 16-17=-30/2445,  
 15-16=-115/2877, 13-15=-115/2877  
 WEBS 3-23=-2757/419, 3-22=-444/3399, 4-22=-1186/198, 4-21=-151/403, 5-19=-432/67,  
 7-19=0/385, 7-18=-993/117, 8-18=-141/1436, 9-18=-1180/151, 9-16=0/483, 11-16=-564/103,  
 11-15=0/251

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-9 to 3-3-1, Interior(1) 3-3-1 to 26-6-0, Exterior(2) 26-6-0 to 31-3-10, Interior(1) 31-3-10 to 49-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are MT20 plates unless otherwise indicated.
  - 6) All plates are 3x6 MT20 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, with BCDL = 8.0psf.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 23=287, 13=152.

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A2	Roof Special	2	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:35:55 2019 Page 2  
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**NOTES-**

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

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A3	ROOF SPECIAL	3	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:35:56 2019 Page 1  
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1-6-0	5-2-12	10-2-0	12-4-6	19-5-3	25-8-8	26-6-0	33-7-8	41-6-8	48-0-0	49-6-0
1-6-0	5-2-12	4-11-4	2-2-6	7-0-13	6-3-5	0-9-8	7-1-8	7-11-0	6-5-8	1-6-0

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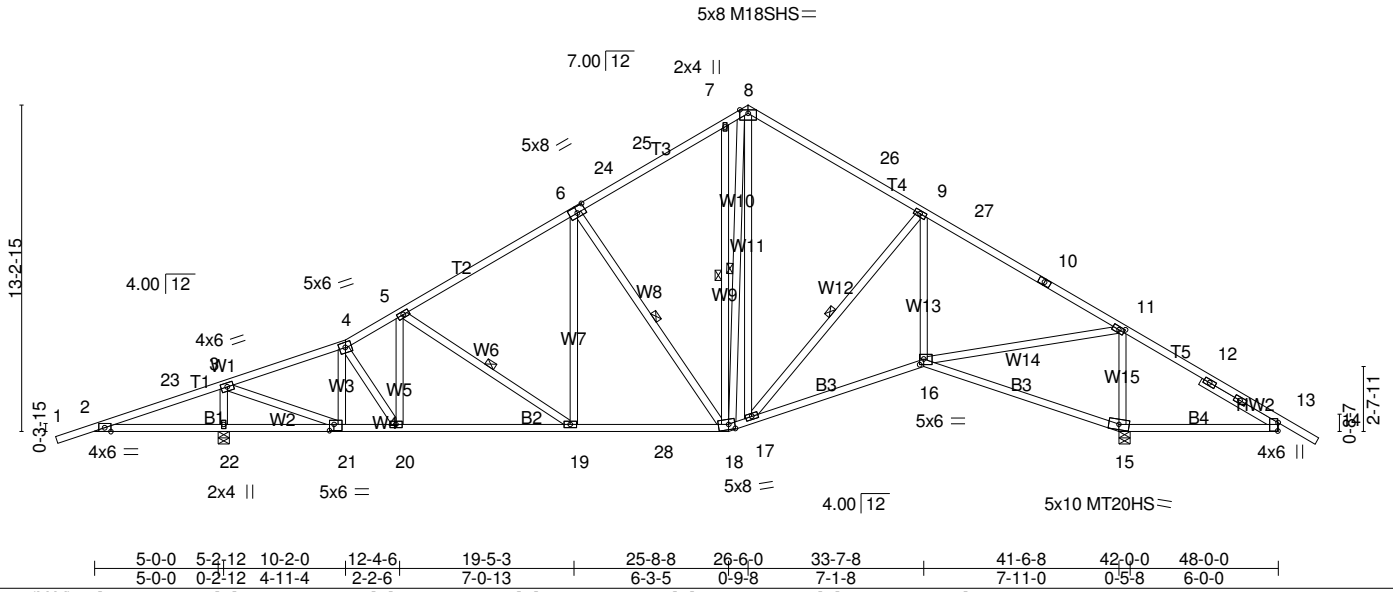


Plate Offsets (X,Y)--	[6:0-4-0,0-3-0], [11:0-2-12,0-1-8], [13:0-4-2,0-0-3], [16:0-2-0,0-2-12], [18:0-3-0,0-2-8], [21:0-2-4,0-3-0]
-----------------------	-------------------------------------------------------------------------------------------------------------

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.91	Vert(LL)	-0.15 18-19	>999	360	MT20	220/195
(Roof Snow=35.0)	Plate Grip DOL 1.15	BC 0.37	Vert(CT)	-0.25 15-16	>999	240	MT20HS	165/146
TCDL 8.0	Lumber DOL 1.15	WB 0.79	Horz(CT)	0.09 15	n/a	n/a	M18SHS	220/195
BCLL 0.0 *	Rep Stress Incr YES	Matrix-SH	Wind(LL)	0.04 18-19	>999	240	Weight: 299 lb	FT = 0%
BCDL 8.0	Code IRC2015/TPI2014							

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W2,W14: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Right 2x4 DF Stud/Std -, 3-7-5

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-5-3 oc bracing.  
 WEBS 1 Row at midpt 5-19, 6-18, 7-18, 8-18, 9-17

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

**REACTIONS.** (lb/size) 15=2671/0-5-8 (min. 0-2-15), 22=2493/0-5-8 (min. 0-2-12)  
 Max Horz 22=209(LC 13)  
 Max Uplift 15=-179(LC 14), 22=-259(LC 14)  
 Max Grav 15=2740(LC 33), 22=2585(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-23=-539/1526, 3-23=-526/1640, 3-4=-1997/0, 4-5=-2361/69, 5-6=-2190/137,  
 6-24=-1645/160, 24-25=-1630/162, 7-25=-1419/185, 7-8=-1551/224, 8-26=-1339/178,  
 9-26=-1497/151, 9-27=-1646/67, 10-27=-1709/66, 10-11=-2006/47, 11-12=-299/896,  
 12-13=-313/755  
 BOT CHORD 2-22=-1445/556, 21-22=-1445/543, 20-21=0/1896, 19-20=0/2051, 19-28=0/1769,  
 18-28=0/1769, 17-18=0/1267, 16-17=0/1699, 15-16=-767/366, 13-15=-623/325  
 WEBS 3-22=-2450/377, 3-21=-380/2929, 4-21=-1018/175, 5-19=-472/49, 6-19=0/406,  
 6-18=-947/116, 7-18=-691/153, 8-18=-214/988, 8-17=0/546, 9-17=-867/18, 9-16=-142/273,  
 11-16=-135/2338, 11-15=-2368/309, 4-20=-146/356

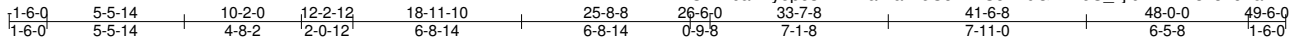
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-9 to 3-3-1, Interior(1) 3-3-1 to 26-6-0, Exterior(2) 26-6-0 to 31-3-10, Interior(1) 31-3-10 to 49-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are MT20 plates unless otherwise indicated.
  - 6) All plates are 3x6 MT20 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, with BCDL = 8.0psf.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=179, 22=259.
  - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A4	ROOF SPECIAL	3	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:35:58 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-NUJDv9Gzhw6U\_xjlbwX?n13x8?cPaHmz9hQt6z6Mm?



Scale = 1:92.1

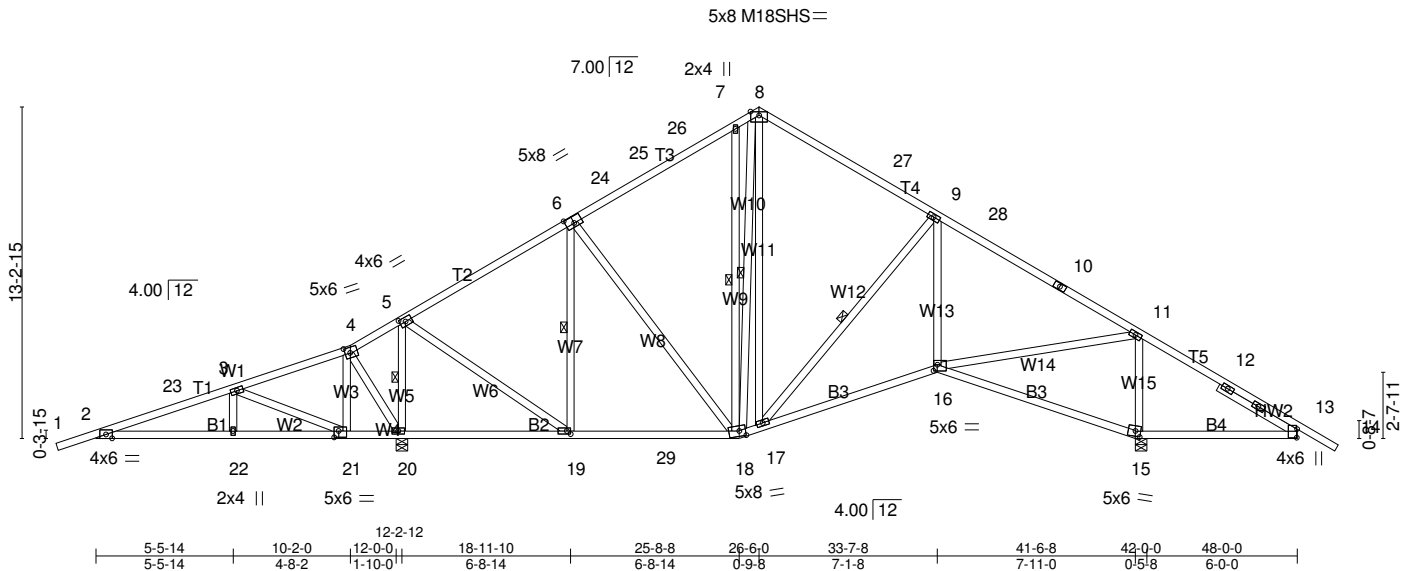


Plate Offsets (X,Y)-- [4:0-2-8,0-2-12], [5:0-2-12,0-2-0], [6:0-4-0,0-3-4], [13:0-4-2,0-0-3], [15:0-2-8,0-2-8], [16:0-1-12,0-3-0], [18:0-3-0,0-2-8], [19:0-1-12,0-1-8], [21:0-2-4,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL 2-0-0	TC 0.91	Vert(LL) -0.12	15-16	>999	360	MT20	220/195
(Roof Snow=35.0)	Lumber DOL 1.15	BC 0.30	Vert(CT) -0.23	15-16	>999	240	M18SHS	220/195
TCDL 8.0	Rep Stress Incr YES	WB 0.81	Horz(CT) 0.04	15	n/a	n/a		
BCLL 0.0 *	Code IRC2015/TPI2014	Matrix-SH	Wind(LL) -0.02	16	>999	240		
BCDL 8.0							Weight: 298 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W6: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Right 2x4 DF Stud/Std -, 3-7-5

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 3-11-8 oc bracing.  
 WEBS 1 Row at midpt 5-20, 6-19, 7-18, 8-18, 9-17

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

**REACTIONS.** (lb/size) 15=2076/0-5-8 (min. 0-2-8), 20=3088/0-5-8 (min. 0-3-7)  
 Max Horz 20=209(LC 13)  
 Max Uplift 15=-104(LC 14), 20=-444(LC 14)  
 Max Grav 15=2371(LC 33), 20=3202(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-23=-546/1622, 3-23=-533/1739, 3-4=-815/2891, 4-5=-896/3167, 5-6=-755/867,  
 6-24=-951/98, 24-25=-938/110, 25-26=-780/113, 7-26=-729/220, 7-8=-920/145,  
 8-27=-690/192, 9-27=-987/72, 9-28=-1094/114, 10-28=-1140/111, 10-11=-1455/55,  
 11-12=-299/897, 12-13=-313/756  
 BOT CHORD 2-22=-1537/564, 21-22=-1537/564, 20-21=-2695/879, 19-20=-2716/878, 19-29=-681/549,  
 18-29=-681/549, 17-18=-127/650, 16-17=-93/1198, 15-16=-754/363, 13-15=-623/325  
 WEBS 3-21=-1230/331, 4-21=-196/470, 5-20=-3072/727, 5-19=-572/2540, 6-19=-1322/387,  
 6-18=-191/882, 7-18=-870/128, 8-18=-530/524, 8-17=0/470, 9-17=-813/47, 9-16=-183/290,  
 11-16=-7/1842, 11-15=-2003/214

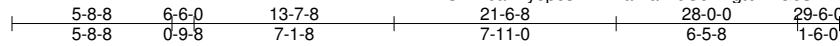
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-9 to 3-3-1, Interior(1) 3-3-1 to 26-6-0, Exterior(2) 26-6-0 to 31-3-10, Interior(1) 31-3-10 to 49-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are MT20 plates unless otherwise indicated.
  - 6) All plates are 3x6 MT20 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, with BCDL = 8.0psf.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=104, 20=444.
  - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A5	Roof Special	2	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:35:59 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-rgtb7VgCSEELc4ly8e2EKebAQPy7JmYxBoQzQYz6Mm



5x8 M18SHS=

Scale = 1:82.1

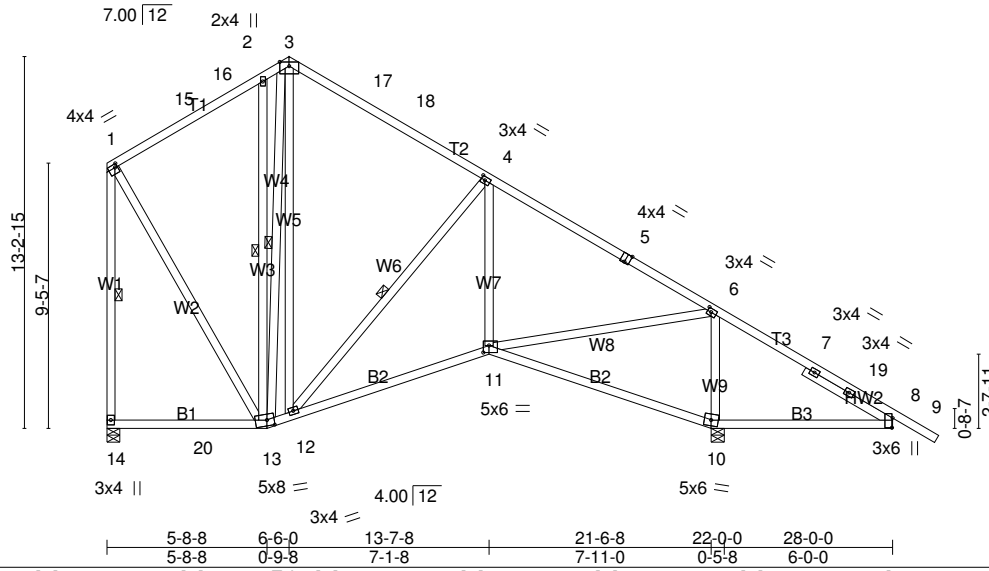


Plate Offsets (X,Y)-- [1:0-1-0,0-1-8], [4:0-1-12,0-1-8], [5:0-2-0,Edge], [6:0-1-12,0-1-8], [8:0-4-2,0-0-3], [11:0-2-8,0-3-0], [13:0-3-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.69 BC 0.27 WB 0.59	Vert(LL) -0.06 Vert(CT) -0.11 Horz(CT) 0.03 Wind(LL) -0.03	10-11 10-11 10 10-11	>999 >999 n/a >999	360 240 n/a 240	MT20 M18SHS	220/195 220/195
TCDL 8.0	Rep Stress Incr YES	Matrix-R						
BCLL 0.0 *	Code IRC2015/TPI2014							
BCDL 8.0							Weight: 206 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W1: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Right 2x4 DF Stud/Std - , 3-7-5

**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 1 Row at midpt 2-13, 3-13, 4-12, 1-14

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

**REACTIONS.** (lb/size) 14=946/0-5-8 (min. 0-1-8), 10=2031/0-5-8 (min. 0-2-3)  
 Max Horz 14=-316(LC 12)  
 Max Uplift 14=-52(LC 14), 10=-149(LC 14)  
 Max Grav 14=1084(LC 19), 10=2031(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-15=-550/137, 15-16=-349/149, 2-16=-347/156, 2-3=-491/150, 3-17=-358/151,  
 17-18=-376/138, 4-18=-555/124, 4-5=-753/19, 5-6=-929/0, 6-7=-314/874, 7-19=-318/734,  
 8-19=-328/655, 1-14=-1028/126  
 BOT CHORD 14-20=-293/288, 13-20=-293/288, 12-13=-68/393, 11-12=0/710, 10-11=-717/376,  
 8-10=-601/333  
 WEBS 2-13=-686/98, 3-13=-490/100, 3-12=0/293, 4-12=-495/29, 4-11=-156/294, 6-11=-110/1330,  
 6-10=-1666/291, 1-13=-92/587

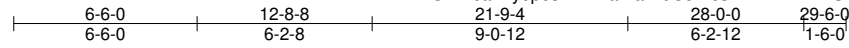
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-6-0, Exterior(2) 6-6-0 to 9-6-0, Interior(1) 9-6-0 to 29-6-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are MT20 plates unless otherwise indicated.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 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 = 8.0psf.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 10=149.
  - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A6	Common	2	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:00 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-JsRzKrHEDXMCEt8iLZTsS8JZolz2DT4QSAWx\_z6Mlz



4x8 M18SHS=

Scale = 1:81.7

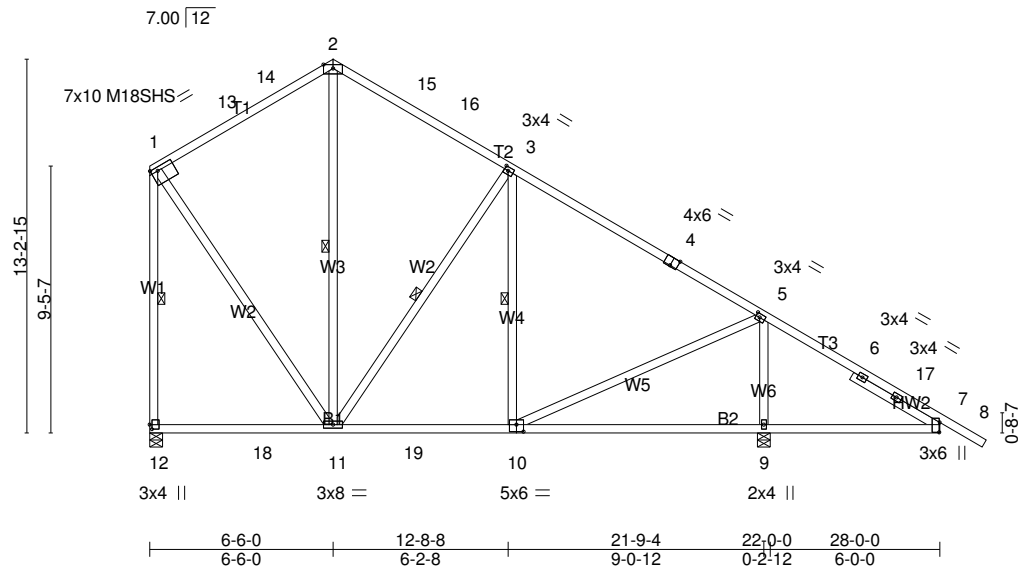


Plate Offsets (X,Y)-- [1:0-3-0,0-1-8], [3:0-1-12,0-1-8], [4:0-3-0,Edge], [5:0-1-12,0-1-8], [7:0-4-2,0-0-3], [10:0-3-0,0-3-0], [12:0-2-0,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.79 BC 0.29 WB 0.61	Vert(LL) -0.11 Vert(CT) -0.19 Horz(CT) -0.01 Wind(LL) -0.04	9-10 9-10 9 11-12	>999 >999 n/a >999	360 240 n/a 240	MT20 M18SHS	220/195 220/195
TCDL 8.0	Rep Stress Incr YES	Matrix-R						
BCLL 0.0 *	Code IRC2015/TPI2014							
BCDL 8.0							Weight: 178 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W1: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Right 2x4 DF Stud/Std -, 3-6-11

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 2-11, 3-11, 3-10, 1-12

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

**REACTIONS.** (lb/size) 12=967/0-5-8 (min. 0-1-8), 9=2009/0-5-8 (min. 0-2-2)  
 Max Horz 12=-316(LC 12)  
 Max Uplift 12=-53(LC 14), 9=-148(LC 14)  
 Max Grav 12=1096(LC 19), 9=2009(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-13=-593/135, 13-14=-404/147, 2-14=-399/159, 2-15=-350/164, 15-16=-428/153,  
 3-16=-548/140, 3-4=-594/82, 4-5=-775/58, 5-6=-308/839, 6-17=-312/695, 7-17=-322/625,  
 1-12=-1031/140  
 BOT CHORD 12-18=-288/287, 11-18=-288/287, 11-19=0/556, 10-19=0/556, 9-10=-566/325, 7-9=-566/325  
 WEBS 2-11=-256/141, 3-11=-356/80, 3-10=-356/162, 5-10=-188/1165, 5-9=-1858/406,  
 1-11=-92/606

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-6-0, Exterior(2) 6-6-0 to 9-6-0, Interior(1) 9-6-0 to 29-6-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are MT20 plates unless otherwise indicated.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 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 = 8.0psf.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 9=148.
  - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

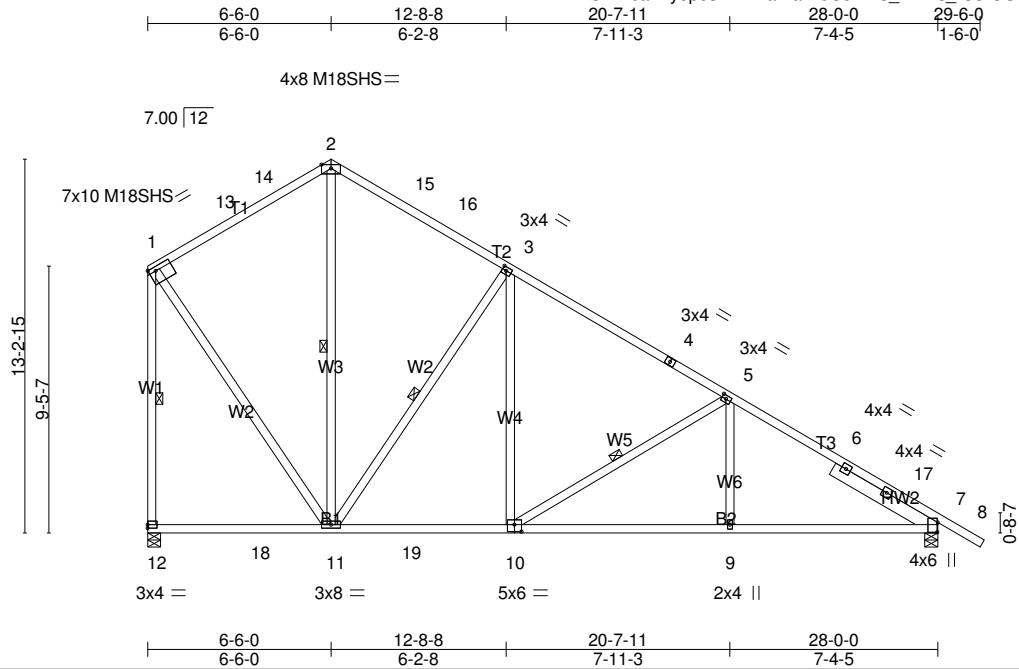
**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A7	Common	2	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:01 2019 Page 1  
 ID:OvMbaF?yepesLMREaKlavz6OJP-n3\_LYBlS\_rU3rOSKG34iPfhUBCding?Ef6v4TQz6Mly



Scale = 1:81.7

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [3:0-1-12,0-1-8], [5:0-1-12,0-1-8], [7:0-4-2-0-0-3], [10:0-3-0-0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.80 BC 0.33 WB 0.59	Vert(LL) -0.09 Vert(CT) -0.16 Horz(CT) 0.05 Wind(LL) -0.04	10-11 9-10 7 11-12	>999 >999 n/a >999	360 240 n/a 240	MT20 M18SHS	220/195 220/195
TCDL 8.0	Rep Stress Incr YES	Matrix-R						
BCLL 0.0 *	Code IRC2015/TPI2014							
BCDL 8.0							Weight: 182 lb	FT = 0%

**LUMBER-**

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W1: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Right 2x6 DF 1800F 1.6E -, 4-2-9

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 4-5-2 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 2-11, 3-11, 5-10, 1-12

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

**REACTIONS.** (lb/size) 12=1417/0-5-8 (min. 0-1-8), 7=1560/0-5-8 (min. 0-1-11)  
 Max Horz 12=-316(LC 12)  
 Max Uplift 12=-86(LC 14), 7=-115(LC 14)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-13=-778/178, 13-14=-648/190, 2-14=-633/202, 2-15=-593/206, 15-16=-651/194,  
 3-16=-797/182, 3-4=-1283/185, 4-5=-1450/155, 5-6=-1885/175, 6-17=-2089/157,  
 7-17=-2154/145, 1-12=-1361/184  
 BOT CHORD 12-18=-288/287, 11-18=-288/287, 11-19=0/1108, 10-19=0/1108, 9-10=-49/1717,  
 7-9=-49/1717  
 WEBS 2-11=-119/255, 3-11=-987/149, 3-10=-8/526, 5-10=-710/123, 5-9=0/278, 1-11=-131/951

**NOTES-**

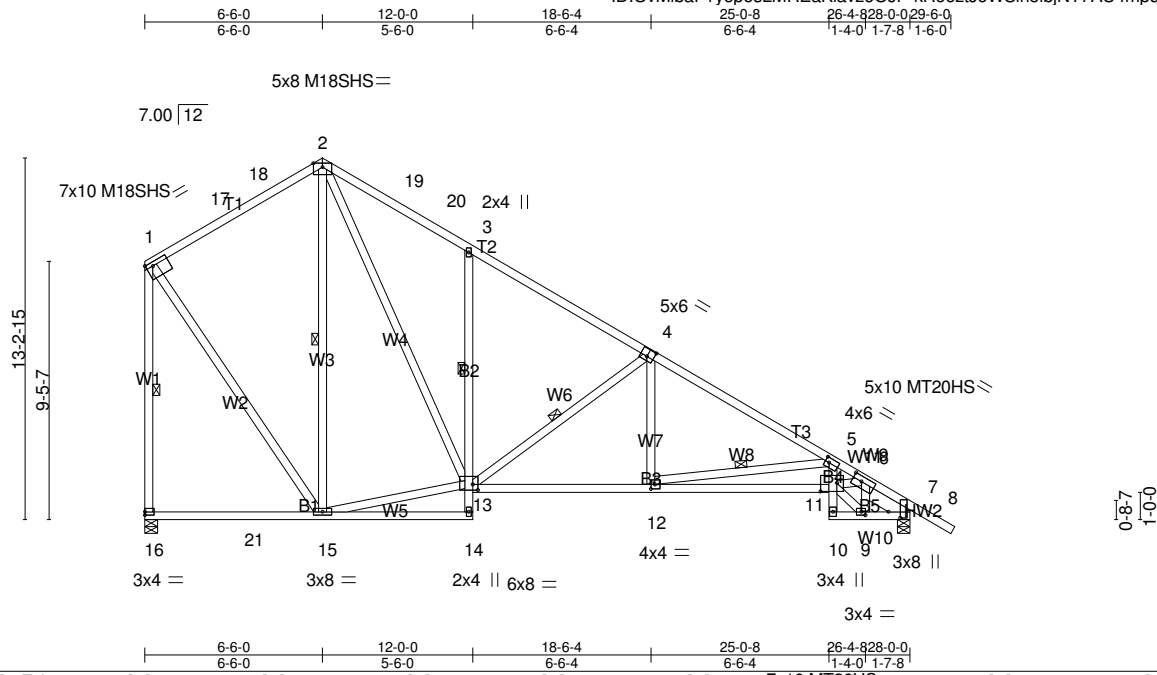
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-6-0, Exterior(2) 6-6-0 to 9-6-0, Interior(1) 9-6-0 to 29-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 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 35.0 psf on overhangs non-concurrent with other live loads.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 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 = 8.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 7=115.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A8	Roof Special	5	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:03 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-kR66ztJ6WSIn5ibjNT7AU4mpq0CYFVoX6QOBYJz6Mlw



Scale = 1:84.3

Plate Offsets (X,Y)--	[1:Edge,0-1-12], [4:0-3-0,0-3-4], [5:0-1-12,0-2-0], [6:0-4-0,0-2-4], [7:0-2-12,0-5-3], [9:0-1-12,0-1-12], [10:0-1-12,0-1-12], [11:0-1-12,0-1-12], [12:0-1-12,0-2-0], [13:0-2-4,0-2-8]
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.79 BC 0.75 WB 0.95	in (loc) l/defl L/d Vert(LL) -0.23 11-12 >999 360 Vert(CT) -0.35 11-12 >945 240 Horz(CT) 0.19 7 n/a n/a Wind(LL) 0.07 11-12 >999 240	MT20 MT20HS M18SHS Weight: 202 lb	220/195 165/146 220/195 FT = 0%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr	TOP CHORD Structural wood sheathing directly applied or 3-1-9 oc purlins, except end verticals.
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except* B2: 2x4 DF Stud/Std	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15. 1 Row at midpt 3-13
WEBS 2x4 DF Stud/Std *Except* W1: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr	WEBS 1 Row at midpt 2-15, 4-13, 5-12, 1-16
SLIDER Right 2x6 DF 1800F 1.6E -, 1-9-0	

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

**REACTIONS.** (lb/size) 16=1417/0-5-8 (min. 0-1-8), 7=1560/0-5-8 (min. 0-1-11)  
 Max Horz 16=-316(LC 12)  
 Max Uplift 16=-86(LC 14), 7=-115(LC 14)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-17=-778/179, 17-18=-648/190, 2-18=-633/203, 2-19=-1245/276, 19-20=-1279/265,  
 3-20=-1385/256, 3-4=-1446/185, 4-5=-2313/184, 5-6=-4140/222, 6-7=-1991/126,  
 1-16=-1361/184  
 BOT CHORD 16-21=-288/287, 15-21=-288/287, 3-13=-514/137, 12-13=-25/1880, 11-12=-180/3952,  
 5-11=0/934, 9-10=-36/355, 7-9=-34/1451  
 WEBS 2-15=-781/142, 13-15=0/551, 2-13=-142/1362, 4-13=-955/118, 4-12=0/398, 5-12=-2090/157,  
 9-11=0/1518, 6-11=-104/2161, 6-9=-1201/26, 1-15=-130/949

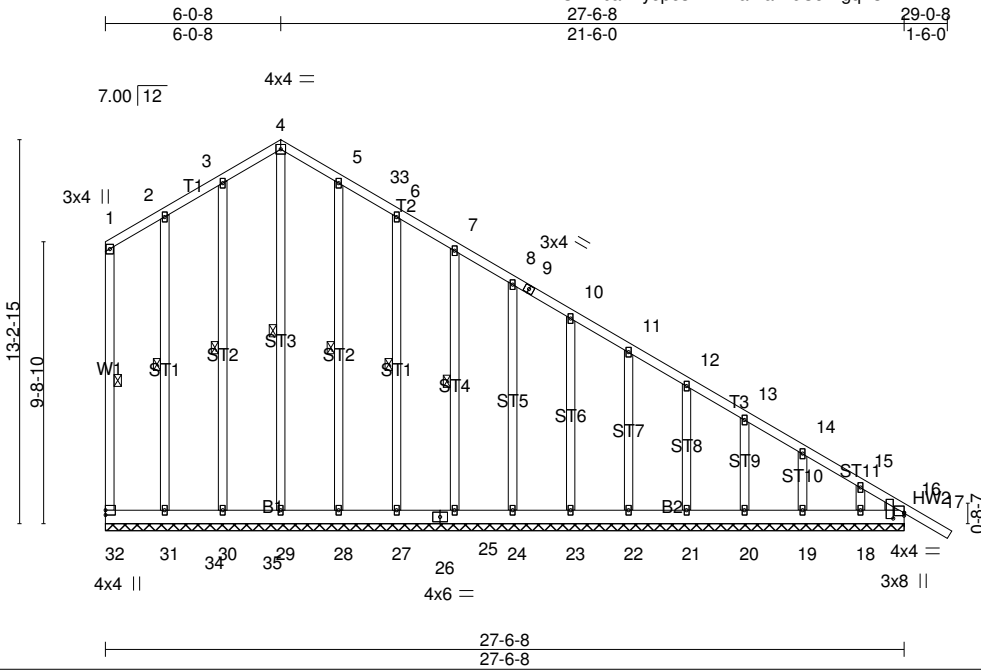
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-6-0, Exterior(2) 6-6-0 to 9-6-0, Interior(1) 9-6-0 to 29-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are MT20 plates unless otherwise indicated.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 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 = 8.0psf.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 7=115.
  - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A9GD	Common Girder	1	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:05 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-gqEsNZLM24?VK?I5Vu9eZVrDop28ja3paktHcCz6Mlu



Scale = 1:79.5

Plate Offsets (X,Y)-- [16:0-0-0,0-1-3], [16:0-2-6,0-4-7]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15	TC 0.57	Vert(LL) 0.00	16	n/r	120	MT20	220/195
TCDL 8.0	Lumber DOL 1.15	BC 0.10	Vert(CT) -0.00	17	n/r	120		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.20	Horz(CT) 0.01	16	n/a	n/a		
BCDL 8.0	Code IRC2015/TPI2014	Matrix-R					Weight: 247 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x6 DF 1800F 1.6E  
 WEBS 2x4 DF Stud/Std  
 OTHERS 2x4 DF Stud/Std  
 WEDGE  
 Right: 2x4 DF Stud/Std

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 1-32, 4-29, 3-30, 2-31, 5-28, 6-27, 7-25

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

**REACTIONS.** All bearings 27-6-8.  
 (lb) - Max Horz 32=-318(LC 8)  
 Max Uplift All uplift 100 lb or less at joint(s) 32, 29, 30, 28, 27, 25, 24, 23, 22, 21, 20, 19, 16 except  
 31=-147(LC 10), 18=-125(LC 14)  
 Max Grav All reactions 250 lb or less at joint(s) 32, 29, 27, 25, 24, 23, 22, 21, 20, 19, 18 except 30=914(LC 15),  
 31=1191(LC 15), 28=253(LC 16), 16=422(LC 14)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 15-16=-272/196  
 WEBS 3-30=-302/38, 2-31=-302/55

- NOTES-**
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=28ft; eave=2ft; 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
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 32, 29, 30, 28, 27, 25, 24, 23, 22, 21, 20, 19, 16 except (jt=lb) 31=147, 18=125.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 738 lb down and 71 lb up at 1-7-4, and 738 lb down and 71 lb up at 3-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	A9GD	Common Girder	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:05 2019 Page 2  
ID:OvMlbaF?yepesLMREaKlavz6OJP-gqEsNZLM24?VK?l5Vu9eZVrDop28ja3paktHcCz6Mlu

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-4=-86, 4-17=-86, 16-32=-16

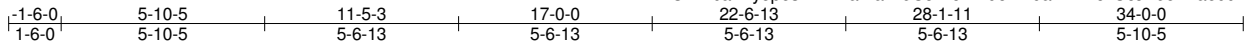
Concentrated Loads (lb)

Vert: 34=-738(B) 35=-738(B)

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	B1	Common	7	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:07 2019 Page 1  
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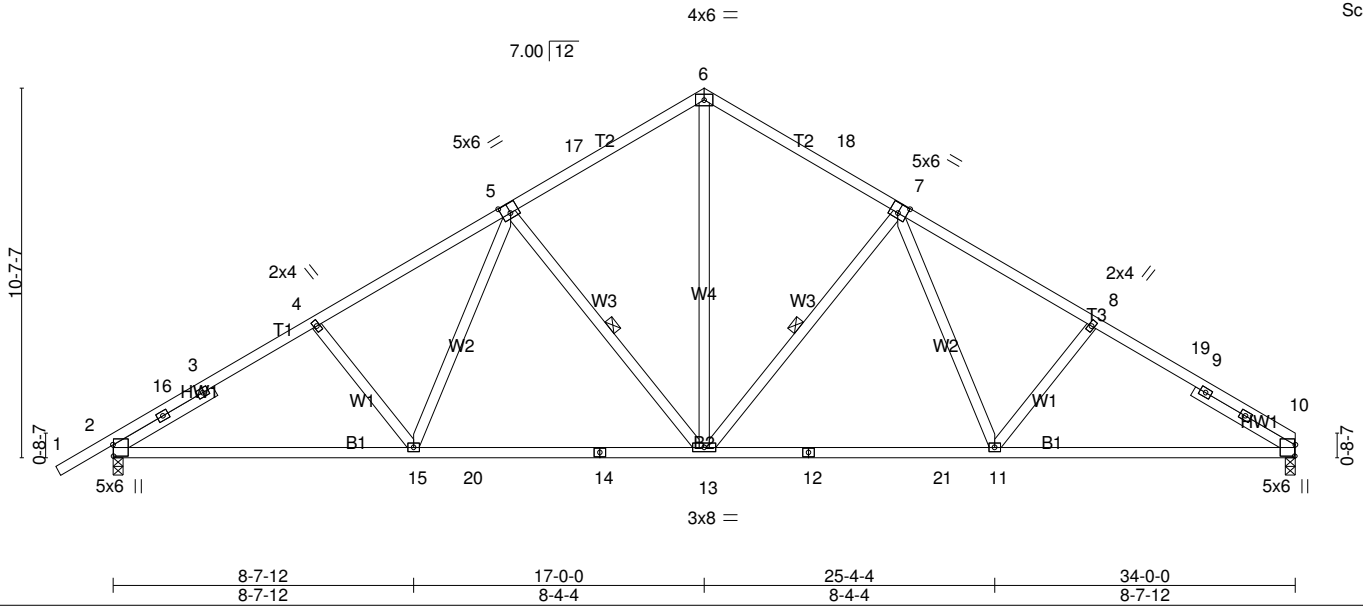


Plate Offsets (X,Y)-- [2:0-3-14,0-0-3], [5:0-3-0,0-3-4], [7:0-3-0,0-3-4], [10:0-3-14,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.48 BC 0.53 WB 0.54	Vert(LL) -0.22 13-15 Vert(CT) -0.32 13-15 Horz(CT) 0.10 10 Wind(LL) 0.05 13-15	>999 >999 n/a >999	360 240 n/a 240		MT20	220/195
TCDL 8.0 BCLL 0.0 * BCDL 8.0	Rep Stress Incr YES Code IRC2015/TPI2014	Matrix-R					Weight: 180 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std  
 SLIDER Left 2x4 DF Stud/Std -, 3-4-4, Right 2x4 DF Stud/Std -, 3-4-4

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 7-13, 5-13

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

**REACTIONS.** (lb/size) 2=1872/0-3-8 (min. 0-2-0), 10=1731/0-3-8 (min. 0-1-14)  
 Max Horz 2=168(LC 13)  
 Max Uplift 2=-140(LC 14), 10=-97(LC 14)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-16=-2733/204, 3-16=-2621/214, 3-4=-2622/227, 4-5=-2456/239, 5-17=-1810/221,  
 6-17=-1590/239, 6-18=-1590/242, 7-18=-1810/221, 7-8=-2471/253, 8-19=-2536/243,  
 9-19=-2639/232, 9-10=-2749/228  
 BOT CHORD 2-15=-129/2206, 15-20=-64/1889, 14-20=-64/1889, 13-14=-64/1889, 12-13=-64/1894,  
 12-21=-64/1894, 11-21=-64/1894, 10-11=-138/2228  
 WEBS 6-13=-129/1218, 7-13=-848/130, 7-11=-20/440, 8-11=-310/113, 5-13=-833/129,  
 5-15=-9/425, 4-15=-293/101

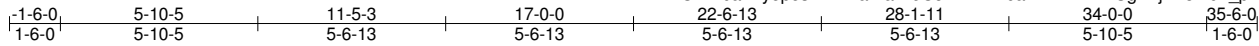
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-14 to 1-9-15, Interior(1) 1-9-15 to 17-0-0, Exterior(2) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 34-0-0 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 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 psf on overhangs non-concurrent with other live loads.
  - 5) All plates are 3x4 MT20 unless otherwise indicated.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 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 = 8.0psf.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=140.
  - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	B1SG	Common Structural Gable	1	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:08 2019 Page 1  
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4x6 =

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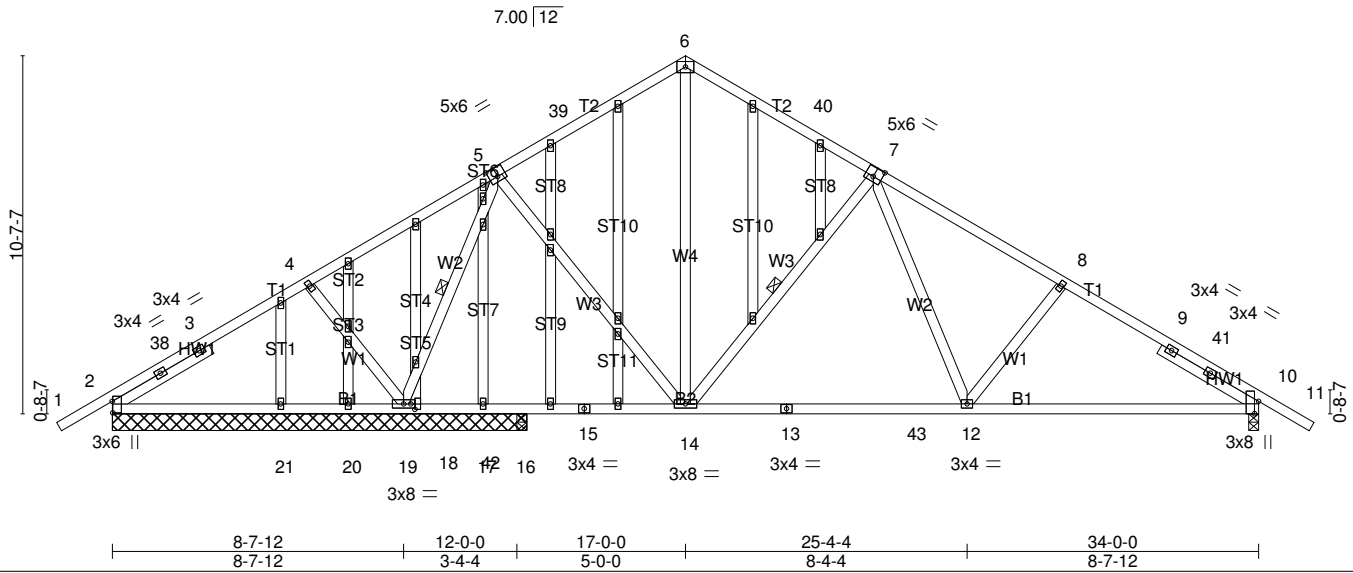


Plate Offsets (X,Y)-- [2:0-4-2,0-0-3], [5:0-3-0,0-3-4], [7:0-3-0,0-3-4], [10:0-4-6,Edge], [18:0-2-0,0-1-8], [19:0-0-5,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.46 BC 0.42 WB 0.48	in (loc) l/defl L/d Vert(LL) -0.17 12-14 >999 360 Vert(CT) -0.25 12-14 >999 240 Horz(CT) 0.03 10 n/a n/a Wind(LL) 0.02 12-14 >999 240	MT20	220/195
TCDL 8.0 BCLL 0.0 * BCDL 8.0	Rep Stress Incr YES Code IRC2015/TPI2014	Matrix-R		Weight: 243 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std  
 OTHERS 2x4 DF Stud/Std  
 SLIDER Left 2x4 DF Stud/Std -, 3-4-4, Right 2x4 DF Stud/Std -, 3-4-4

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 7-14, 5-19

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

**REACTIONS.** All bearings 12-3-8 except (jt=length) 10=0-3-8, 16=0-3-8.  
 (lb) - Max Horz 2=170(LC 12)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 20 except 19=168(LC 14), 10=116(LC 14)  
 Max Grav All reactions 250 lb or less at joint(s) 17, 18, 20, 21, 16 except 2=484(LC 19), 19=1771(LC 1), 10=1427(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-38=-304/157, 4-5=0/395, 5-39=-852/160, 6-39=-731/179, 6-40=-741/182, 7-40=-946/160,  
 7-8=-1646/183, 8-9=-1712/172, 9-41=-1863/159, 10-41=-1926/149  
 BOT CHORD 18-19=-17/383, 18-42=-17/383, 17-42=-17/383, 16-17=-17/383, 15-16=-17/383,  
 14-15=-17/383, 13-14=-2/1183, 13-43=-2/1183, 12-43=-2/1183, 10-12=-70/1527  
 WEBS 6-14=-68/302, 7-14=-866/130, 7-12=-11/490, 8-12=-348/105, 5-14=0/699, 5-19=-1496/126,  
 4-19=-443/117

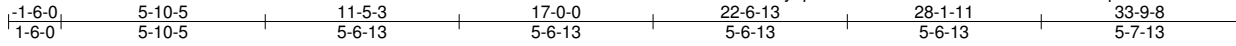
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-14 to 1-9-15, Interior(1) 1-9-15 to 17-0-0, Exterior(2) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-6-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) 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.
  - 3) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 20 except (jt=lb) 19=168, 10=116.
  - 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	B2	Common	3	1	

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:09 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-YbTNDwOt6IVxpd3tkkEakL0w0RIRfJvPVMrVlzz6Mlq



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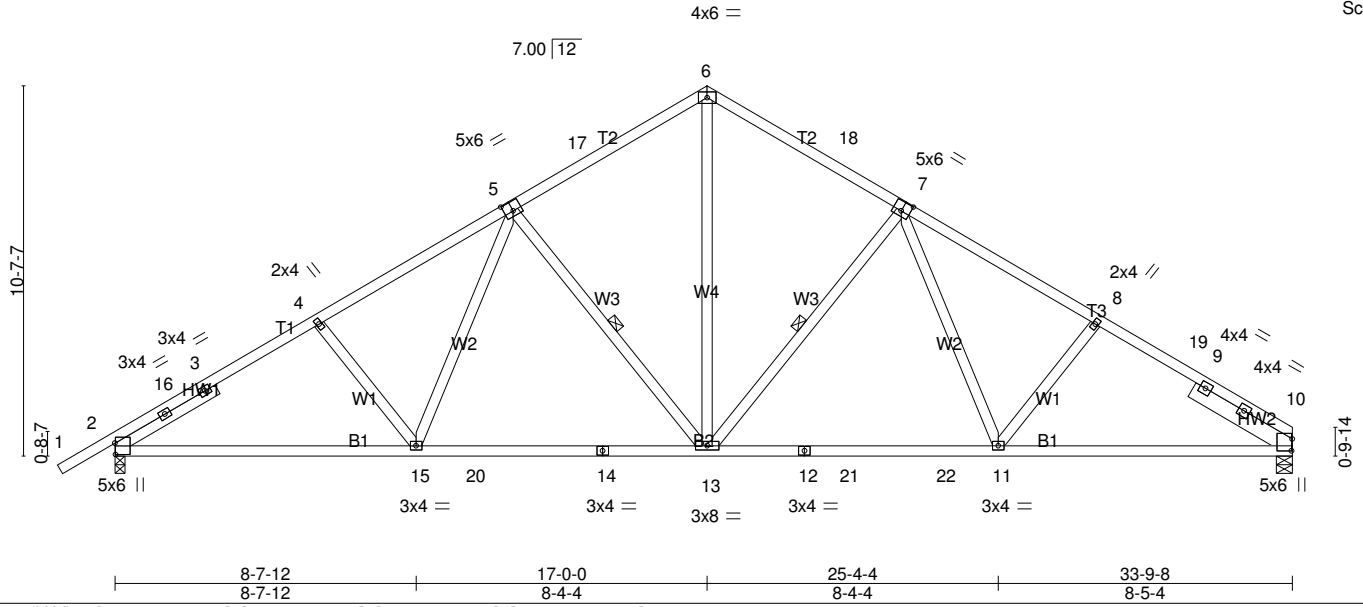


Plate Offsets (X,Y)-- [2:0-3-14,0-0-3], [5:0-3-0,0-3-4], [7:0-3-0,0-3-4], [10:0-4-2,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.49 BC 0.53 WB 0.53	Vert(LL) -0.22 Vert(CT) -0.32 Horz(CT) 0.10 Wind(LL) 0.05	13-15 13-15 10 13	>999 >999 n/a >999	360 240 n/a 240	MT20	220/195
TCDL 8.0 BCLL 0.0 * BCDL 8.0	Rep Stress Incr YES Code IRC2015/TPI2014	Matrix-R					Weight: 182 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std  
 SLIDER Left 2x4 DF Stud/Std -, 3-4-4, Right 2x6 DF 1800F 1.6E -, 3-3-9

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 3-6-6 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-13, 7-13

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

**REACTIONS.** (lb/size) 2=1862/0-3-8 (min. 0-2-0), 10=1720/0-5-8 (min. 0-1-13)  
 Max Horz 2=168(LC 13)  
 Max Uplift 2=-139(LC 14), 10=-96(LC 14)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-16=-2714/203, 3-16=-2601/213, 3-4=-2603/226, 4-5=-2437/237, 5-17=-1790/220,  
 6-17=-1666/238, 6-18=-1571/241, 7-18=-1791/219, 7-8=-2404/248, 8-19=-2530/238,  
 9-19=-2560/227, 9-10=-2698/222  
 BOT CHORD 2-15=-127/2190, 15-20=-62/1872, 14-20=-62/1872, 13-14=-62/1872, 12-13=-62/1860,  
 12-21=-62/1860, 21-22=-62/1860, 11-22=-62/1860, 10-11=-130/2139  
 WEBS 4-15=-294/101, 5-15=-9/426, 5-13=-833/129, 6-13=-128/1201, 7-13=-823/129,  
 7-11=-16/387, 8-11=-253/107

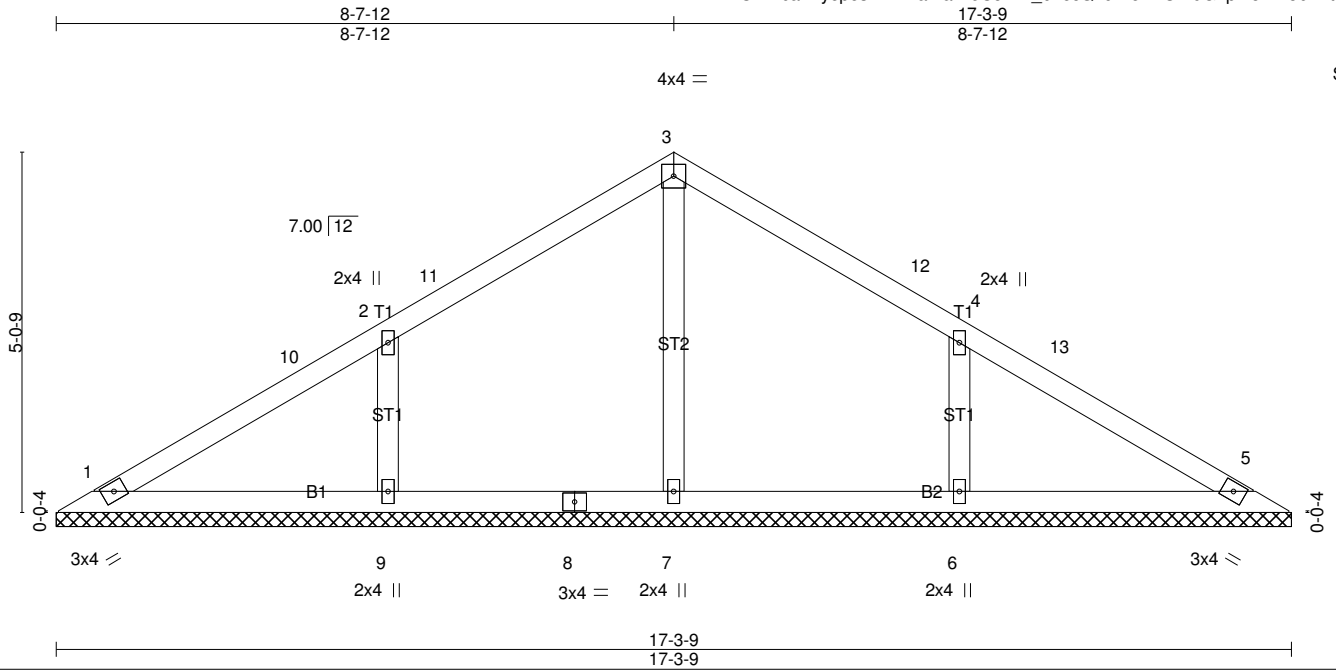
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-14 to 1-9-11, Interior(1) 1-9-11 to 17-0-0, Exterior(2) 17-0-0 to 20-4-9, Interior(1) 20-4-9 to 33-9-8 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 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 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 35.0 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, with BCDL = 8.0psf.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=139.
  - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	C1	GABLE	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:11 2019 Page 1  
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Scale: 3/8"=1'

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 35.0 (Roof Snow=35.0)	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	220/195
TCDL 8.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Vert(CT) n/a - n/a 999		
BCDL 8.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 5 n/a n/a		
	Code IRC2015/TPI2014			Weight: 61 lb	FT = 0%

**LUMBER-**  
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
OTHERS 2x4 DF Stud/Std

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

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

**REACTIONS.** All bearings 17-3-9.  
(lb) - Max Horz 1=-74(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6  
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=323(LC 1), 9=523(LC 18), 6=523(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 3-7=-276/5, 2-9=-429/108, 4-6=-429/108

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 8-7-12, Exterior(2) 8-7-12 to 11-7-12, Interior(1) 11-7-12 to 16-9-1 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 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) Gable requires continuous bottom chord bearing.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 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 100 lb uplift at joint(s) 1, 5, 9, 6.
  - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

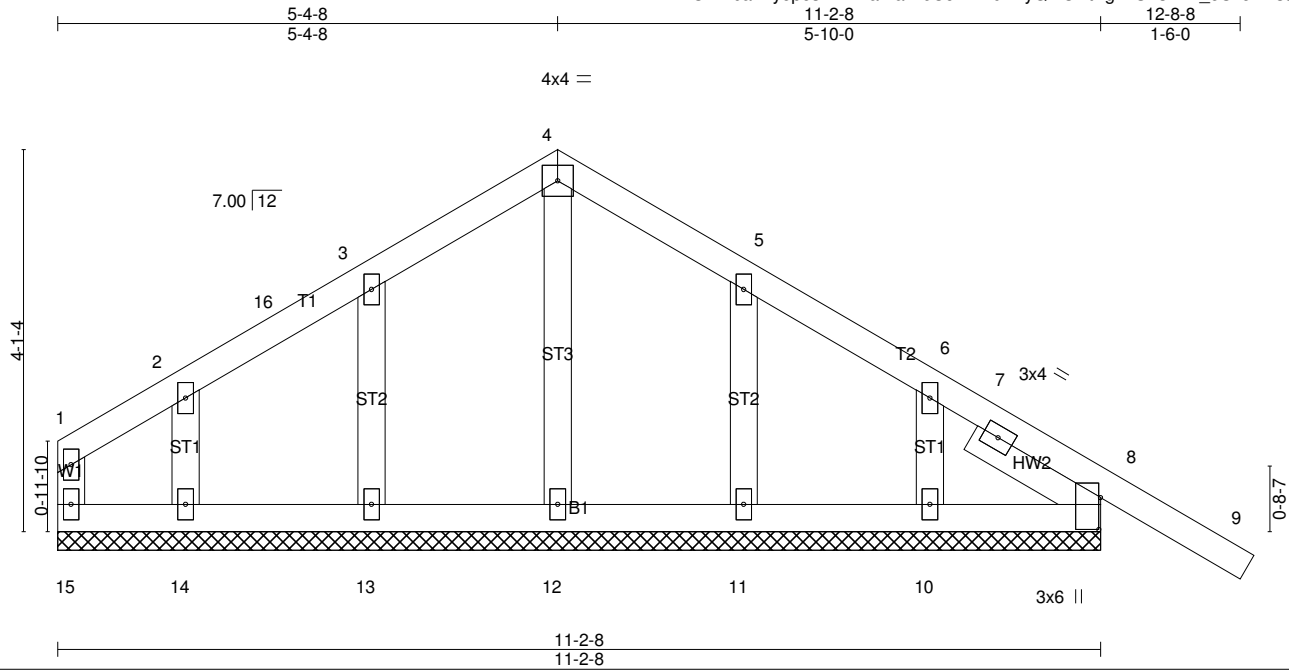
**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	D1	Common Supported Gable	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:12 2019 Page 1  
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Scale = 1:24.8

Plate Offsets (X,Y)-- [8-0-4-2,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15	TC 0.26	Vert(LL)	0.00	8	n/r	MT20	220/195
TCDL 8.0	Lumber DOL 1.15	BC 0.07	Vert(CT)	-0.00	9	n/r		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.05	Horz(CT)	0.00	8	n/a		
BCDL 8.0	Code IRC2015/TPI2014	Matrix-R					Weight: 53 lb	FT = 0%

**LUMBER-**

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std  
 OTHERS 2x4 DF Stud/Std  
 SLIDER Right 2x4 DF Stud/Std -, 1-6-13

**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.

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

**REACTIONS.**

All bearings 11-2-8.  
 (lb) - Max Horz 15=-74(LC 12)  
 Max Uplift All uplift 100 lb or less at joint(s) 15, 8, 13, 14, 11, 10  
 Max Grav All reactions 250 lb or less at joint(s) 15, 12, 14, 11, 10 except 8=387(LC 18), 13=266(LC 19)

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

**NOTES-**

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-4-8, Exterior(2) 3-4-8 to 5-4-8, Corner(3) 5-4-8 to 8-4-8, Exterior(2) 8-4-8 to 12-9-6 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) 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.
- 3) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 8, 13, 14, 11, 10.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job B1039-19	Truss D1GD	Truss Type Common Girder	Qty 1	Ply 2	Cook / Reaves(RP6/14)
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Snake River Truss & Components, Idaho Falls, ID 83401

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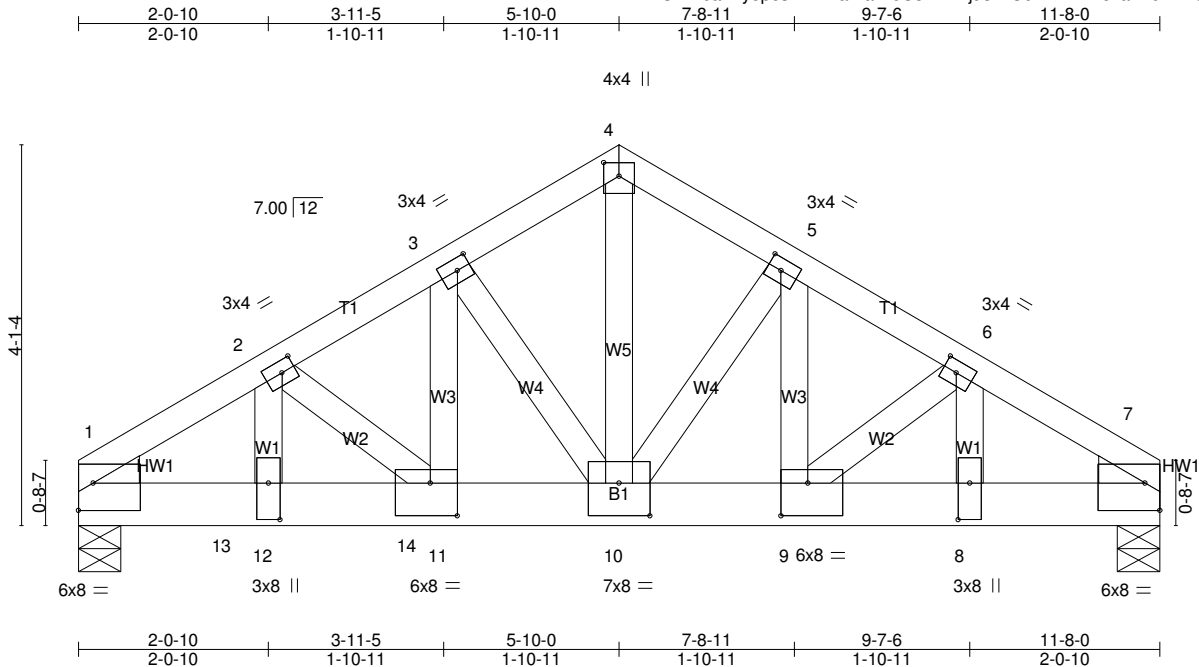


Plate Offsets (X,Y)-- [1:Edge,0-3-9], [1:0-5-15,0-1-2], [1:0-0-15,0-0-9], [2:0-1-12,0-1-8], [3:0-1-12,0-1-8], [4:0-1-12,0-2-0], [5:0-1-12,0-1-8], [6:0-1-12,0-1-8], [7:0-5-15,0-1-2], [7:Edge,0-3-9], [7:0-0-15,0-0-9], [8:0-4-12,0-1-8], [9:0-3-8,0-4-4], [10:0-4-0,0-4-4], [11:0-3-8,0-4-4], [12:0-4-12,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	Plate Grip DOL 1.15	TC 0.69	Vert(LL) -0.06	10	>999	360	MT20	220/195
TCDL 8.0	Lumber DOL 1.15	BC 0.81	Vert(CT) -0.09	9-10	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.53	Horz(CT) 0.03	7	n/a	n/a		
BCDL 8.0	Code IRC2015/TPI2014	Matrix-R	Wind(LL) 0.02	10	>999	240		
							Weight: 144 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x6 DF 1800F 1.6E  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W5: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr

**WEDGE**  
 Left: 2x4 DF Stud/Std , Right: 2x4 DF Stud/Std

**REACTIONS.** (lb/size) 1=6160/0-5-8 (min. 0-3-5), 7=5856/0-5-8 (min. 0-3-2)  
 Max Horz 1=58(LC 24)  
 Max Uplift1=-371(LC 10), 7=-352(LC 10)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-8490/517, 2-3=-7249/458, 3-4=-5934/393, 4-5=-5934/393, 5-6=-7408/467,  
 6-7=-8501/518  
 BOT CHORD 1-13=-379/6538, 12-13=-379/6538, 12-14=-379/6538, 11-14=-379/6538, 10-11=-345/6220,  
 9-10=-354/6360, 8-9=-379/6531, 7-8=-379/6531  
 WEBS 4-10=-350/5543, 5-10=-2075/143, 5-9=-136/2379, 6-8=-87/1627, 3-10=-1837/129,  
 3-11=-120/2111, 2-11=-419/44, 2-12=-96/1792

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
 Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.  
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.  
 Webs connected as follows: 2x4 - 1 row at 0-6-0 oc, Except member 10-5 2x4 - 1 row at 0-9-0 oc, member 5-9 2x4 - 1 row at 0-3-0 oc, member 9-6 2x4 - 1 row at 0-9-0 oc, member 6-8 2x4 - 2 rows staggered at 0-2-0 oc, member 10-3 2x4 - 1 row at 0-9-0 oc, member 3-11 2x4 - 1 row at 0-3-0 oc, member 11-2 2x4 - 1 row at 0-9-0 oc, member 2-12 2x4 - 2 rows staggered at 0-2-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; 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
  - TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=371, 7=352.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	D1GD	Common Girder	1	2	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:13 2019 Page 2  
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**NOTES-**

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2175 lb down and 139 lb up at 1-7-4, 2175 lb down and 139 lb up at 3-7-4, 2175 lb down and 139 lb up at 5-7-4, and 2175 lb down and 139 lb up at 7-7-4, and 2175 lb down and 139 lb up at 9-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-4=-86, 4-7=-86, 1-7=-16

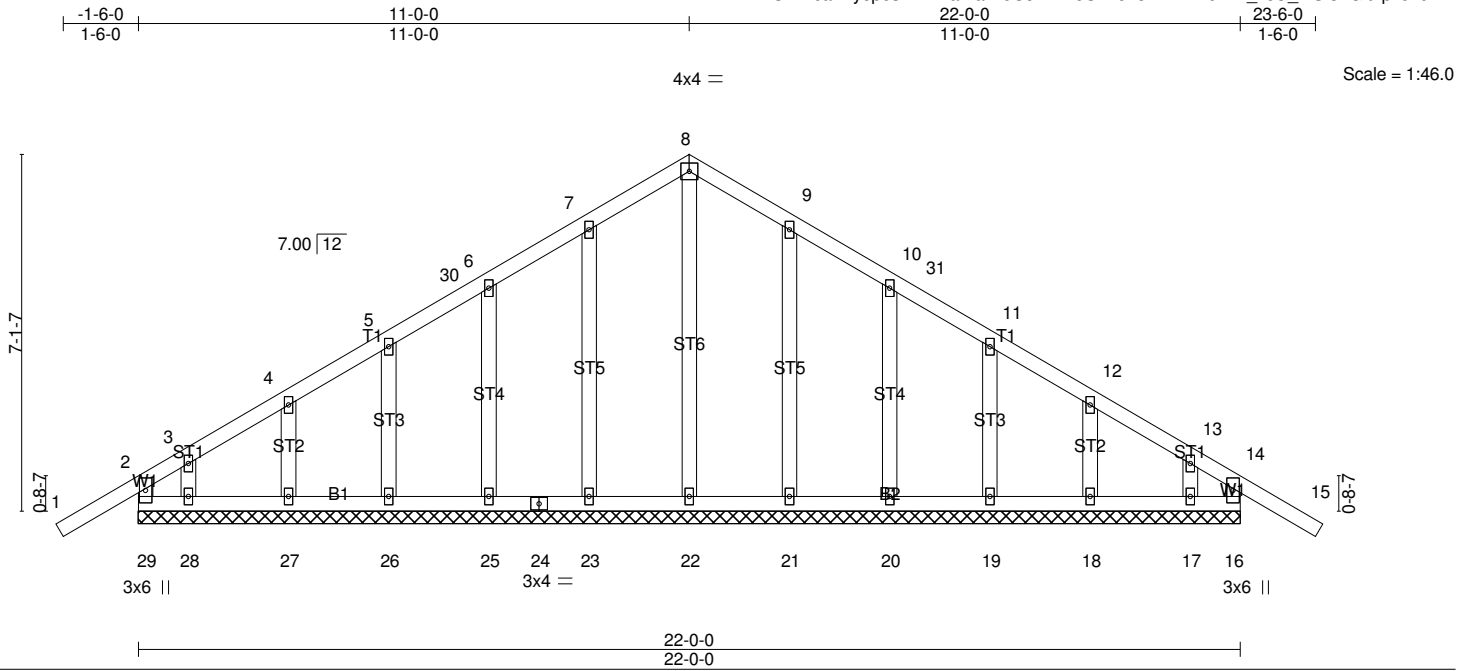
Concentrated Loads (lb)

Vert: 10=-2175(B) 9=-2175(B) 8=-2175(B) 13=-2175(B) 14=-2175(B)

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	E1G	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:15 2019 Page 1  
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<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 35.0 (Roof Snow=35.0)	2-0-0	TC 0.33	in (loc) l/defl L/d	MT20	220/195
TCDL 8.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) 0.00 15 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.15	Vert(CT) -0.01 15 n/r 120		
BCDL 8.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 n/a n/a		
	Code IRC2015/TPI2014			Weight: 121 lb	FT = 0%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF Stud/Std	
OTHERS 2x4 DF Stud/Std	

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

**REACTIONS.** All bearings 22-0-0.  
 (lb) - Max Horz 29=-124(LC 12)  
 Max Uplift All uplift 100 lb or less at joint(s) 23, 25, 26, 27, 21, 20, 19, 18 except 29=-137(LC 14), 28=-274(LC 18), 17=-270(LC 18), 16=-139(LC 14)  
 Max Grav All reactions 250 lb or less at joint(s) 22, 26, 27, 28, 19, 18, 17 except 29=580(LC 18), 23=298(LC 19), 25=262(LC 19), 21=298(LC 20), 20=262(LC 20), 16=577(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-29=-485/142  
 WEBS 7-23=-266/46, 9-21=-266/46, 13-17=-100/296, 14-16=-575/188

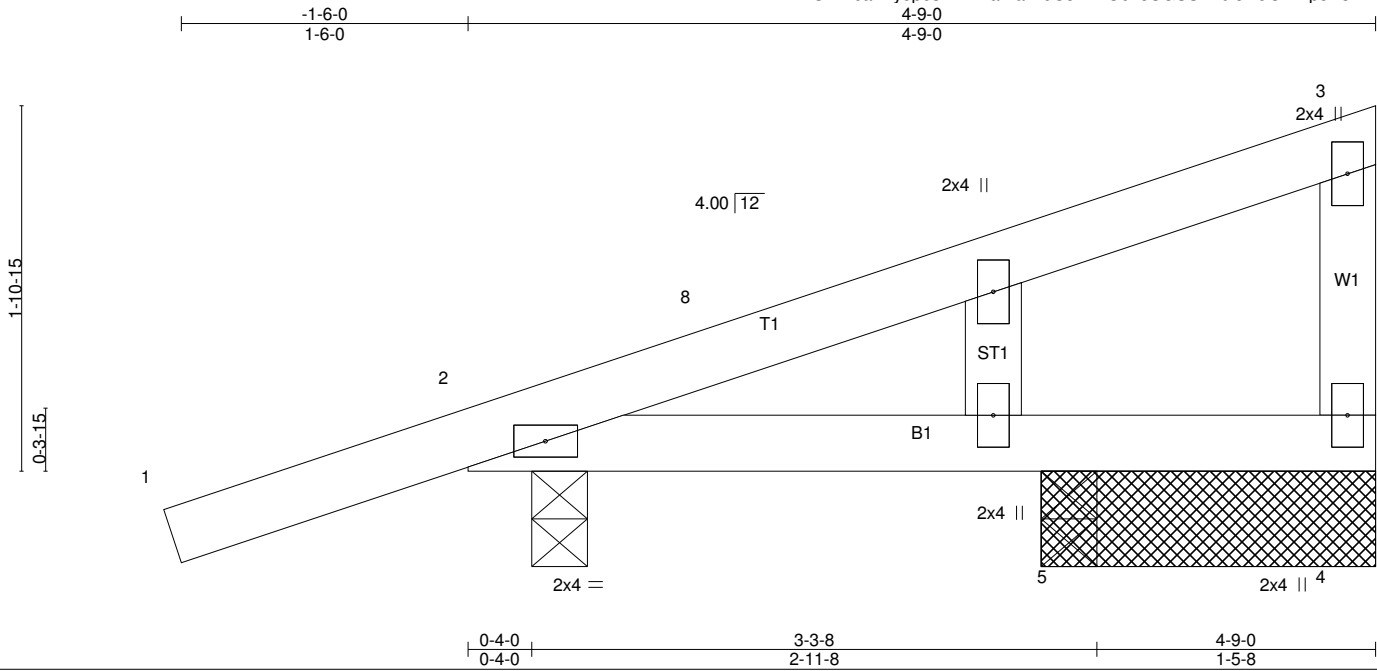
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -1-6-14 to 1-5-2, Exterior(2) 1-5-2 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 14-0-0 to 23-6-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) 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.
  - 3) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 7) Gable requires continuous bottom chord bearing.
  - 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 9) Gable studs spaced at 2-0-0 oc.
  - 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 11) \* 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.
  - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 25, 26, 27, 21, 20, 19, 18 except (it=lb) 29=137, 28=274, 17=270, 16=139.
  - 13) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	M1G	Monopitch Structural Gable	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

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Scale: 1"=1'

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 35.0 (Roof Snow=35.0)	2-0-0	TC 0.31	in (loc) l/defl L/d	MT20	220/195
TCDL 8.0	Plate Grip DOL 1.15	BC 0.21	Vert(LL) -0.00 2-5 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 2-5 >999 240		
BCDL 8.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.00 5 **** 240	Weight: 18 lb	FT = 0%

**LUMBER-**  
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
WEBS 2x4 DF Stud/Std  
OTHERS 2x4 DF Stud/Std

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-9-0 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) 4=167/1-9-0 (min. 0-1-8), 2=384/0-3-8 (min. 0-1-8), 5=49/0-3-8 (min. 0-1-8)  
Max Horz 2=48(LC 13)  
Max Uplift 4=-22(LC 14), 2=-73(LC 14)  
Max Grav 4=200(LC 19), 2=403(LC 19), 5=111(LC 5)

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

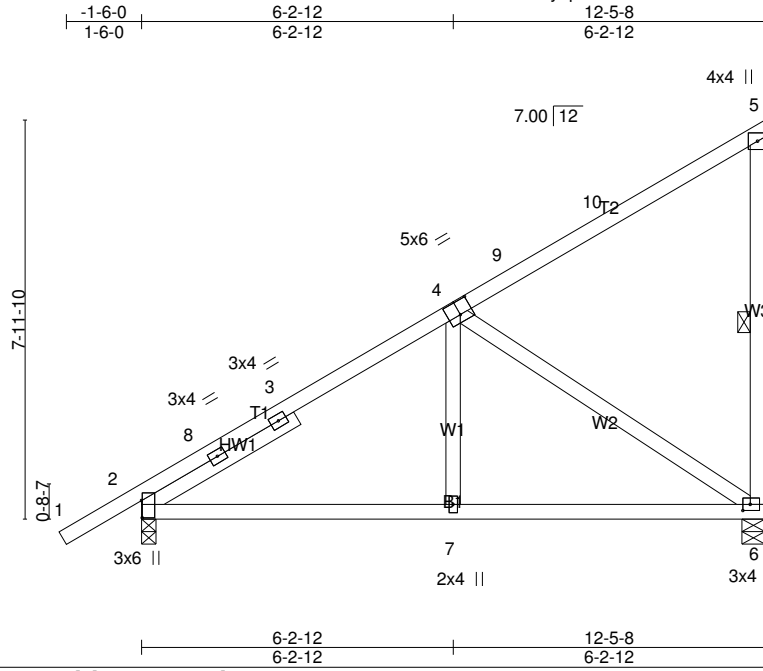
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-9 to 1-5-7, Interior(1) 1-5-7 to 4-7-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) 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.
  - 3) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
  - 6) Gable studs spaced at 2-0-0 oc.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* This truss has been designed for a live load of 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 100 lb uplift at joint(s) 4, 2.
  - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	M2	Monopitch	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

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Scale = 1:46.0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.50	Vert(LL)	-0.03	6-7	>999	MT20	220/195
(Roof Snow=35.0)	Plate Grip DOL 1.15	BC 0.19	Vert(CT)	-0.05	6-7	>999		
TCDL 8.0	Lumber DOL 1.15	WB 0.66	Horz(CT)	0.01	6	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Wind(LL)	-0.03	6-7	>999	Weight: 68 lb	FT = 0%
BCDL 8.0	Code IRC2015/TPI2014							

**LUMBER-**

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W3: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Left 2x4 DF Stud/Std -, 3-6-11

**BRACING-**

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

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

**REACTIONS.** (lb/size) 6=619/0-5-8 (min. 0-1-8), 2=772/0-3-8 (min. 0-1-8)  
 Max Horz 2=213(LC 13)  
 Max Uplift 6=-57(LC 11), 2=-68(LC 14)  
 Max Grav 6=786(LC 19), 2=812(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-8=-872/64, 3-8=-766/75, 3-4=-610/89, 5-6=-336/102  
 BOT CHORD 2-7=-174/623, 6-7=-175/621  
 WEBS 4-6=-703/128

**NOTES-**

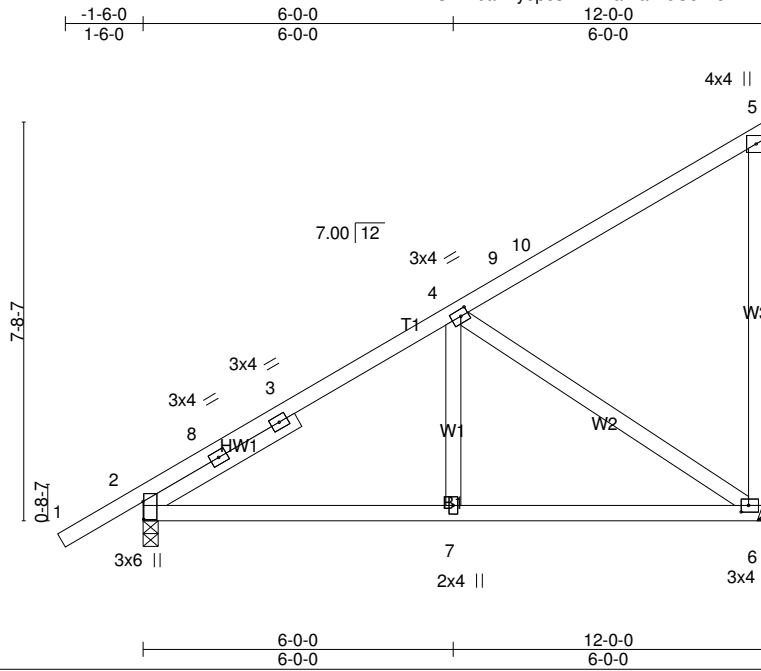
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-14 to 1-5-2, Interior(1) 1-5-2 to 12-3-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 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 35.0 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 100 lb uplift at joint(s) 6, 2.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	M3	JACK-CLOSED	2	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:18 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-oKWN6?VW\_3efO?Fbm7uhbEuT43TvGMFkZGXTaxz6Mlh



Scale = 1:44.5

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plate Grip DOL 1.15	TC 0.47	Vert(LL)	-0.02	6-7	>999	MT20	220/195
TCDL 8.0	Lumber DOL 1.15	BC 0.18	Vert(CT)	-0.04	6-7	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.59	Horz(CT)	0.01	6	n/a		
BCDL 8.0	Code IRC2015/TPI2014	Matrix-R	Wind(LL)	-0.02	6-7	>999	Weight: 66 lb	FT = 0%

**LUMBER-**

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std \*Except\*  
 W3: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 SLIDER Left 2x4 DF Stud/Std -, 3-5-2

**BRACING-**

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

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

**REACTIONS.** (lb/size) 6=596/Mechanical, 2=749/0-3-8 (min. 0-1-8)  
 Max Horz 2=206(LC 13)  
 Max Uplift 6=-55(LC 11), 2=-67(LC 14)  
 Max Grav 6=754(LC 19), 2=788(LC 19)

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

TOP CHORD 2-8=-840/63, 3-8=-739/74, 3-4=-590/87, 5-6=-326/103  
 BOT CHORD 2-7=-176/600, 6-7=-176/600  
 WEBS 4-6=-674/129

**NOTES-**

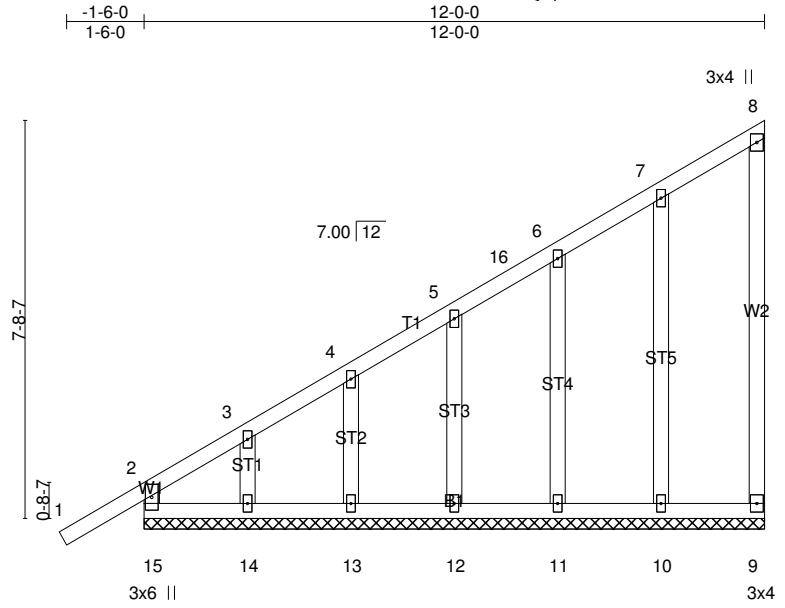
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-14 to 1-5-2, Interior(1) 1-5-2 to 11-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 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 35.0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Cook / Reaves(RP6/14)
B1039-19	M3G	Monopitch Supported Gable	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401

Run: 8.300 s Apr 23 2019 Print: 8.300 s Apr 23 2019 MiTek Industries, Inc. Fri Jun 14 11:36:19 2019 Page 1  
 ID:OvMlbaF?yepesLMREaKlavz6OJP-GW49KLW9INmW09qoJqPw8SQdiTpp?wmtowG16Oz6Mlg



Scale = 1:44.6

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 35.0 (Roof Snow=35.0)	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	220/195
TCDL 8.0	Plate Grip DOL 1.15	BC 0.14	Vert(LL) 0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.19	Vert(CT) -0.00 1 n/r 120		
BCDL 8.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 9 n/a n/a		
	Code IRC2015/TPI2014			Weight: 72 lb	FT = 0%

**LUMBER-**  
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr  
 WEBS 2x4 DF Stud/Std  
 OTHERS 2x4 DF Stud/Std

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

**REACTIONS.** All bearings 12-0-0.  
 (lb) - Max Horz 15=210(LC 11)  
 Max Uplift All uplift 100 lb or less at joint(s) 15, 9, 10, 11, 12, 13 except 14=-122(LC 18)  
 Max Grav All reactions 250 lb or less at joint(s) 9, 12, 13, 14 except 15=446(LC 18), 10=298(LC 19), 11=278(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-15=-377/61, 2-3=-309/294, 3-4=-251/250  
 WEBS 7-10=-267/114

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -1-6-14 to 1-5-2, Exterior(2) 1-5-2 to 11-10-4 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
  - 2) 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.
  - 3) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 7) Gable requires continuous bottom chord bearing.
  - 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 9) Gable studs spaced at 2-0-0 oc.
  - 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 11) \* 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.
  - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 9, 10, 11, 12, 13 except (jt=lb) 14=122.
  - 13) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard