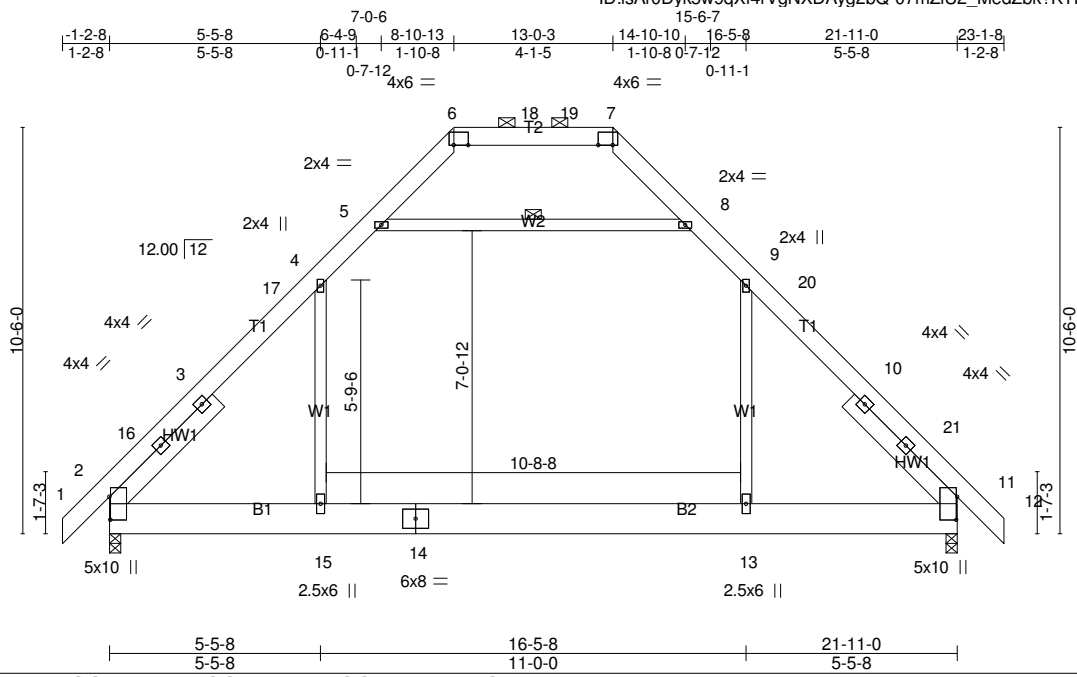


Job P21-08026	Truss AT01	Truss Type Attic	Qty 7	Ply 1	LOT 4 ROSSER PITTMAN
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ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-07mZiU2\_MedZbk?KTR89T0JvSltorwy3ed5k7Myg1al  
8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:26 2021 Page 1



Scale = 1:59.6

Plate Offsets (X,Y)-- [2:0-7-2,0-0-5], [6:0-4-8,0-0-0], [7:0-4-8,0-0-0], [11:0-7-2,0-0-5]									
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	I/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	Plate Grip DOL 1.15		TC 0.36	Vert(LL) -0.10	13-15	>999	240	MT20	244/190
Snow (Pf/Pg) 16.5/15.0	Lumber DOL 1.15		BC 0.26	Vert(CT) -0.15	13-15	>999	180		
TCDL 10.0	Rep Stress Incr YES		WB 0.97	Horz(CT) 0.01	11	n/a	n/a		
BCLL 0.0 *	Code IRC2018/TPI2014		Matrix-S	Attic -0.07	13-15	1926	360		
BCDL 10.0								Weight: 212 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x6 SP No.1  
BOT CHORD 2x10 SP DSS  
WEBS 2x4 SP No.3  
SLIDER Left 2x6 SP No.1 - , 3-10-9, Right 2x6 SP No.1 - , 3-10-9

**BRACING-**  
TOP CHORD Sheathed or 5-10-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Row at midpt 5-8

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

**REACTIONS.** (lb/size) 2=883/0-3-8 (min. 0-2-3), 11=883/0-3-8 (min. 0-2-3)  
Max Horz 2=220(LC 11)  
Max Grav 2=1395(LC 44), 11=1395(LC 46)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-16=-1766/0, 3-16=-1655/0, 3-17=-1530/0, 4-17=-1524/0, 4-5=-957/29, 5-6=-288/54,  
7-8=-288/54, 8-9=-957/29, 9-20=-1523/0, 10-20=-1530/0, 10-21=-1654/0, 11-21=-1765/0  
BOT CHORD 2-15=0/1045, 14-15=0/1046, 13-14=0/1046, 11-13=0/1044  
WEBS 4-15=0/787, 5-8=-1056/21, 9-13=0/787

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; 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
  - TC LL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=16.5 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. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - 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.
  - Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-15, 9-13
  - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - Attic room checked for L/360 deflection.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN
P21-08026	AT02	ATTIC	3	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:28 2021 Page 1  
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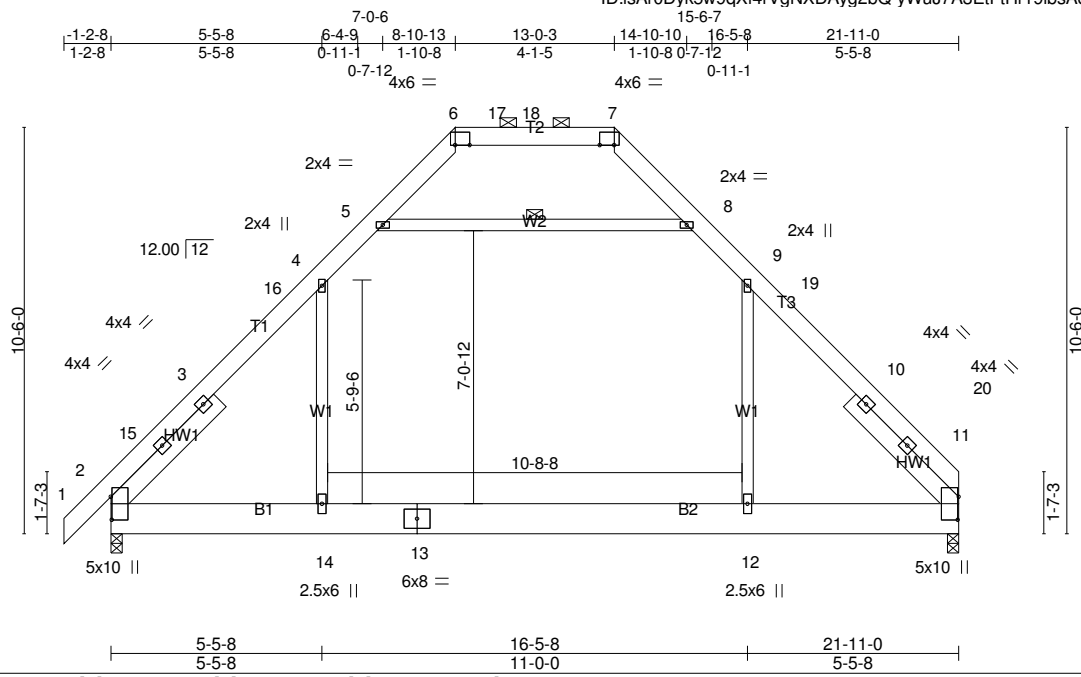


Plate Offsets (X,Y)-- [2:0-7-2,0-0-5], [6:0-4-8,0-0-0], [7:0-4-8,0-0-0], [11:0-7-2,0-0-5]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.36	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 16.5/15.0	Plate Grip DOL 1.15	BC 0.26	Vert(LL) -0.10 12-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.97	Vert(CT) -0.15 12-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 11 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014		Attic -0.07 12-14 1923 360	Weight: 208 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x10 SP DSS  
 WEBS 2x4 SP No.3  
 SLIDER Left 2x6 SP No.1 -, 3-10-9, Right 2x6 SP No.1 -, 3-10-9

**BRACING-**  
 TOP CHORD Sheathed or 5-10-8 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-8

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

**REACTIONS.** (lb/size) 11=829/0-3-8 (min. 0-2-2), 2=884/0-3-8 (min. 0-2-3)  
 Max Horz 2=217(LC 11)  
 Max Grav 11=1341(LC 46), 2=1396(LC 44)

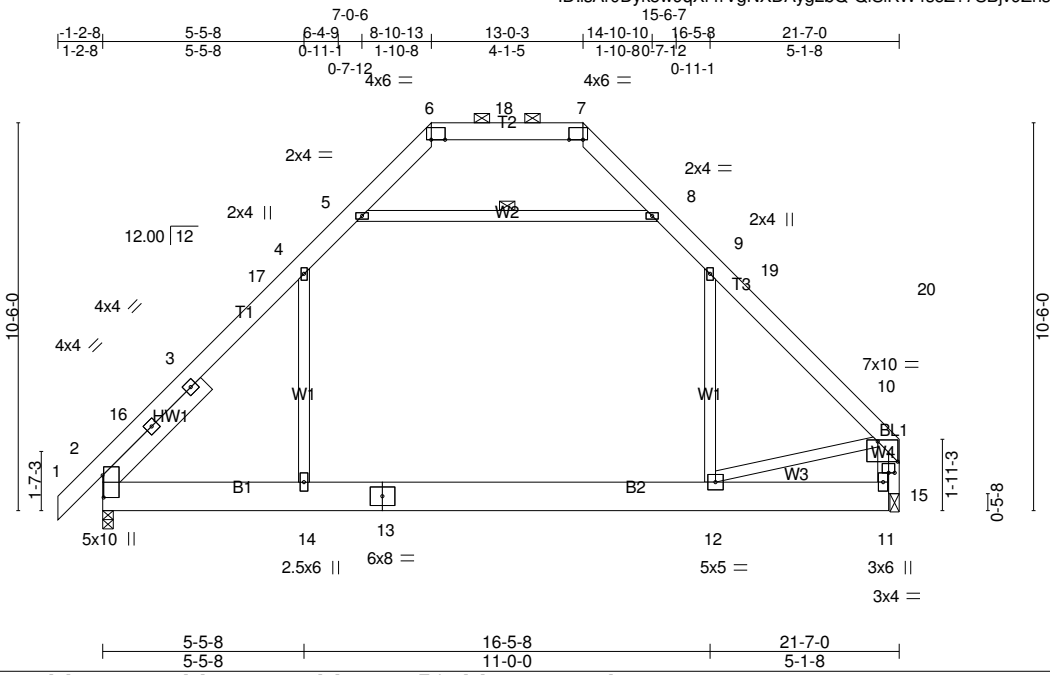
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-15=-1770/0, 3-15=-1659/0, 3-16=-1534/0, 4-16=-1528/0, 4-5=-958/30, 5-6=-288/53,  
 7-8=-288/62, 8-9=-958/31, 9-19=-1521/0, 10-19=-1528/0, 10-20=-1651/0, 11-20=-1762/0  
 BOT CHORD 2-14=0/1043, 13-14=0/1045, 12-13=0/1045, 11-12=0/1043  
 WEBS 4-14=0/788, 5-8=-1062/25, 9-12=0/783

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; 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
  - TC LL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=16.5 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. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - 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.
  - Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-14, 9-12
  - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - Attic room checked for L/360 deflection.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN
P21-08026	AT03	Attic	2	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:29 2021 Page 1  
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Plate Offsets (X,Y)-- [2:0-7-2,0-0-5], [6:0-4-8,0-0-0], [7:0-4-8,0-0-0], [10:0-6-8,Edge], [11:0-2-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.40	Vert(LL)	-0.10 12-14	>999	240	MT20	244/190
Snow (Pf/Pg) 16.5/15.0	Plate Grip DOL 1.15	BC 0.26	Vert(CT)	-0.15 12-14	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.96	Horz(CT)	0.01 15	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Attic	-0.07 12-14	1931	360		
BCDL 10.0	Code IRC2018/TPI2014						Weight: 206 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x10 SP DSS  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3  
 SLIDER Left 2x6 SP No.1 -, 3-10-9

**BRACING-**  
 TOP CHORD Sheathed or 5-11-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-8

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

**REACTIONS.** (lb/size) 2=866/0-3-8 (min. 0-2-2), 15=798/0-3-0 (min. 0-2-1)  
 Max Horz 2=-202(LC 10)  
 Max Grav 2=1368(LC 44), 15=1318(LC 46)

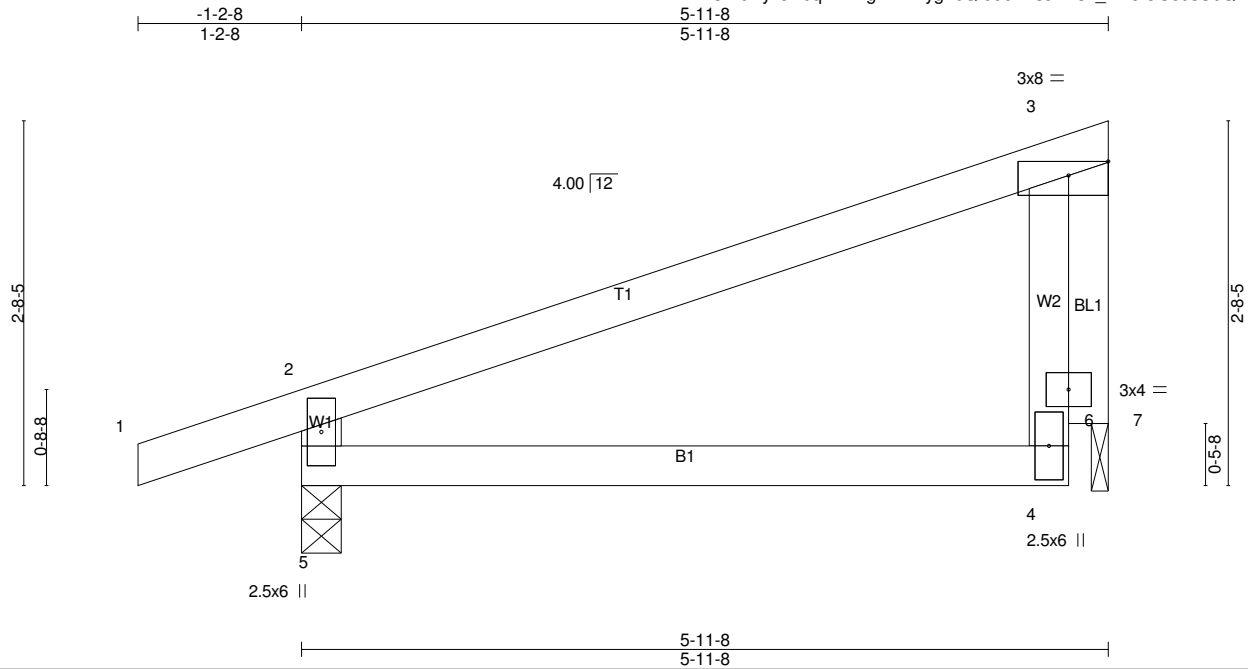
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-16=-1701/0, 3-16=-1591/0, 3-17=-1466/0, 4-17=-1460/0, 4-5=-921/30, 5-6=-282/66,  
 7-8=-289/66, 8-9=-939/29, 9-19=-1365/0, 19-20=-1544/0, 10-20=-1555/0  
 BOT CHORD 2-14=0/995, 13-14=0/997, 12-13=0/997, 11-12=0/364  
 WEBS 4-14=0/762, 5-8=-1032/18, 9-12=-17/626, 10-12=0/699, 10-15=-1351/0

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; 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
  - TC LL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=16.5 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. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - 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.
  - Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-8; Wall dead load (5.0psf) on member(s).4-14, 9-12
  - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
  - Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - Attic room checked for L/360 deflection.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN
P21-08026	M01	Monopitch	11	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:30 2021 Page 1  
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Scale = 1:17.0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.37	Vert(LL)	-0.02	4-5	>999	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.16	Vert(CT)	-0.03	4-5	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.33	Horz(CT)	0.00	7	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R					Weight: 26 lb	FT = 20%
BCDL 10.0	Code IRC2018/TPI2014							

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed or 5-11-8 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=246/0-3-8 (min. 0-1-8), 7=152/0-1-8 (min. 0-1-8)  
 Max Horz 5=62(LC 12)  
 Max Uplift 5=-26(LC 12), 7=-7(LC 12)  
 Max Grav 5=320(LC 2), 7=203(LC 17)

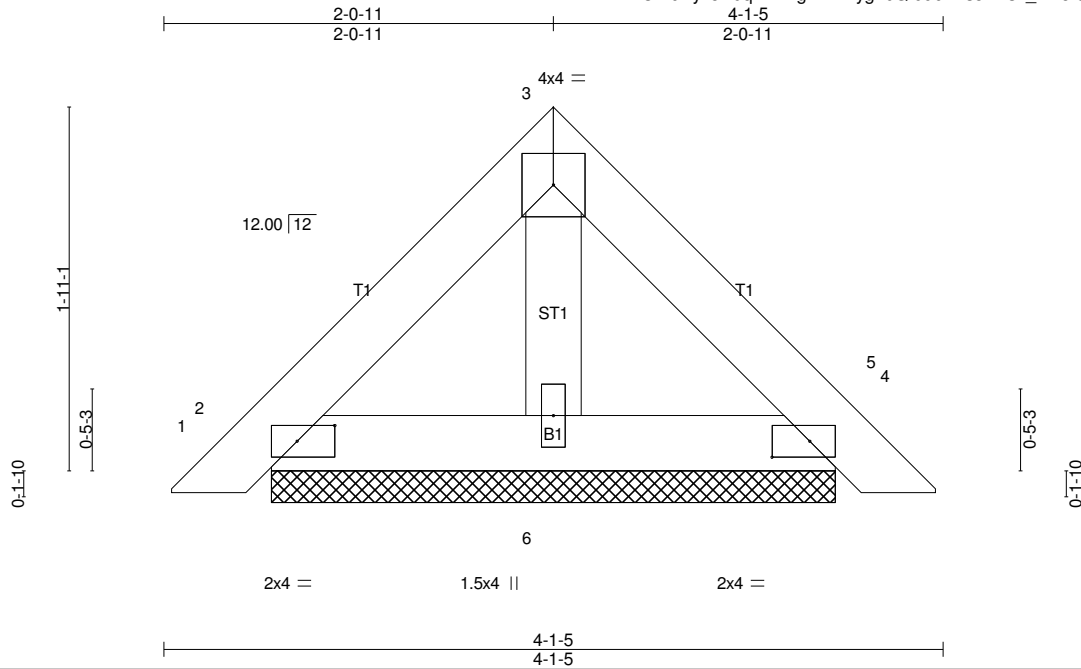
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-5=-277/61

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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
  - 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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 12.0 psf or 1.00 times flat roof load of 11.6 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) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 7.
  - 10) This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	PB01	Piggyback	12	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:30 2021 Page 1  
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Scale = 1:12.2

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.03	Vert(LL)	0.00	4	n/r	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.02	Vert(CT)	0.00	4	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.01	Horz(CT)	0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P						
BCDL 10.0	Code IRC2018/TPI2014						Weight: 15 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed or 4-1-5 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 2=71/2-11-11 (min. 0-1-8), 4=71/2-11-11 (min. 0-1-8), 6=74/2-11-11 (min. 0-1-8)  
 Max Horz 2=39(LC 11)  
 Max Uplift 2=-19(LC 12), 4=-19(LC 12)  
 Max Grav 2=95(LC 17), 4=95(LC 18), 6=91(LC 7)

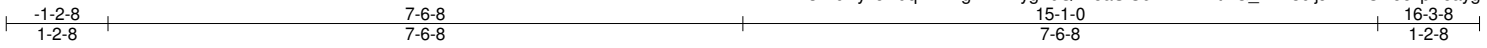
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - Gable requires continuous bottom chord bearing.
  - 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) 2, 4.
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN
P21-08026	T01	Common	4	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:31 2021 Page 1  
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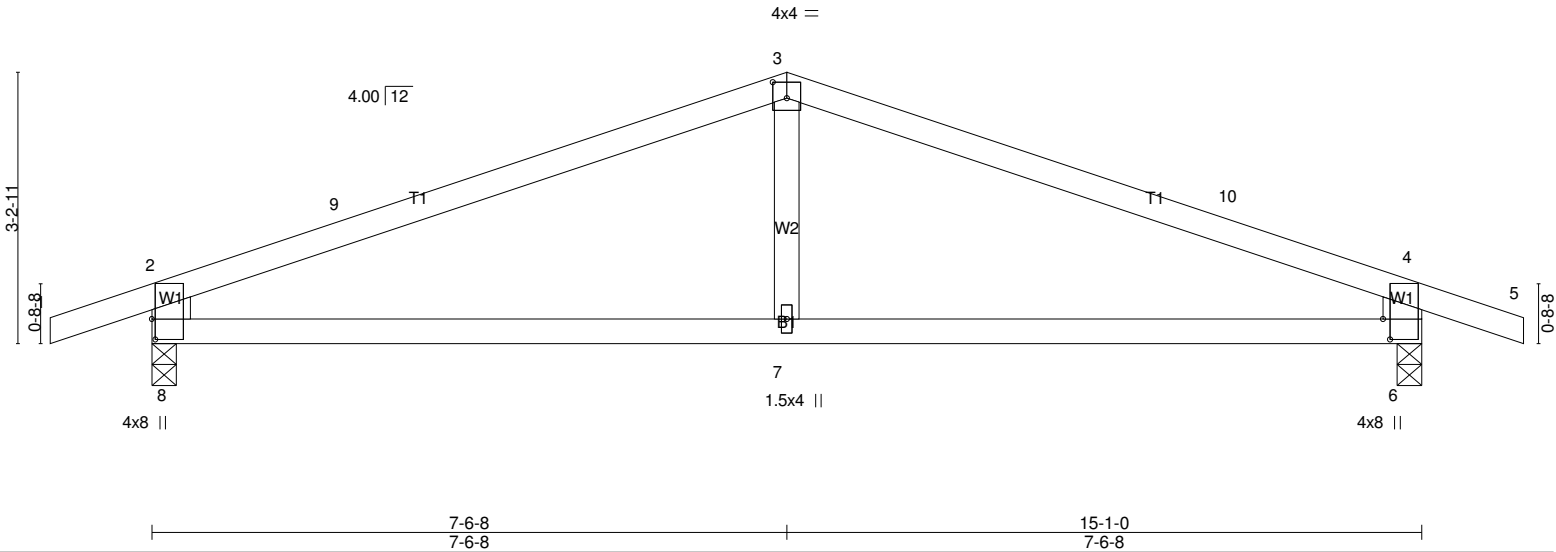


Plate Offsets (X,Y)-- [3:0-2-0,0-2-4], [6:0-2-15,0-1-0], [8:0-2-15,0-0-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.59	Vert(LL) -0.06	7-8	>999	240	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.35	Vert(CT) -0.13	7-8	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.12	Horz(CT) 0.02	6	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R						
BCDL 10.0	Code IRC2018/TPI2014						Weight: 55 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x6 SP No.1 \*Except\*  
 W2: 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed or 5-9-15 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) 8=523/0-3-8 (min. 0-1-8), 6=523/0-3-8 (min. 0-1-8)  
 Max Horz 8=46(LC 11)  
 Max Uplift 8=-35(LC 12), 6=-35(LC 12)  
 Max Grav 8=671(LC 2), 6=671(LC 2)

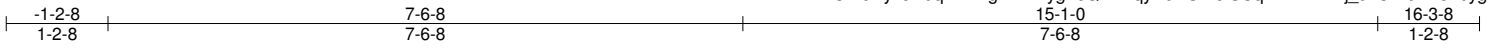
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-9=-899/0, 3-9=-819/9, 3-10=-819/0, 4-10=-899/0, 2-8=-599/78, 4-6=-599/78  
 BOT CHORD 7-8=0/777, 6-7=0/777  
 WEBS 3-7=0/305

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - 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) 8, 6.
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

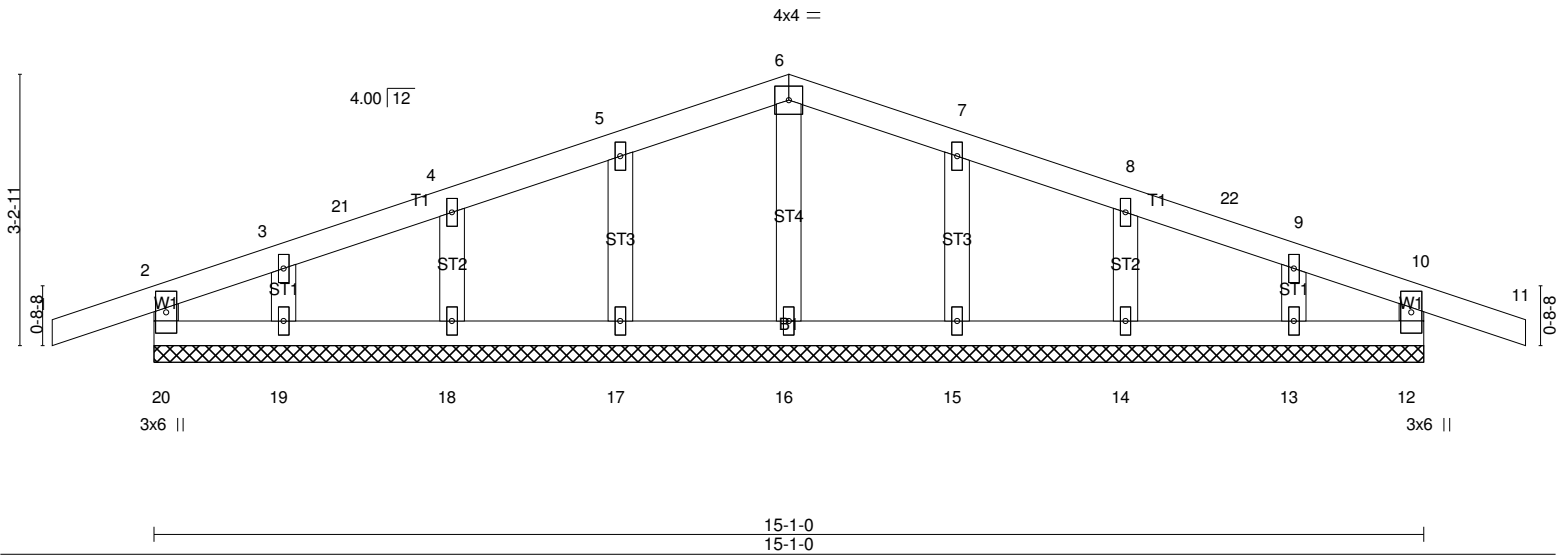
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN
P21-08026	T01GE	Common Supported Gable	1	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:32 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-rH7qyY6lxUNiJfSUqhFziHZ?Bj\_uFs7x0ZY3L0yg1af



Scale = 1:27.4



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) -0.00 11 n/r 120		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Vert(CT) -0.01 11 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 12 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 67 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed or 10-0-0 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 15-1-0.  
 (lb) - Max Horz 20=45(LC 11)  
 Max Uplift All uplift 100 lb or less at joint(s) 20, 12, 17, 18, 15, 14  
 Max Grav All reactions 250 lb or less at joint(s) 20, 12, 16, 17, 18, 19, 15, 14, 13

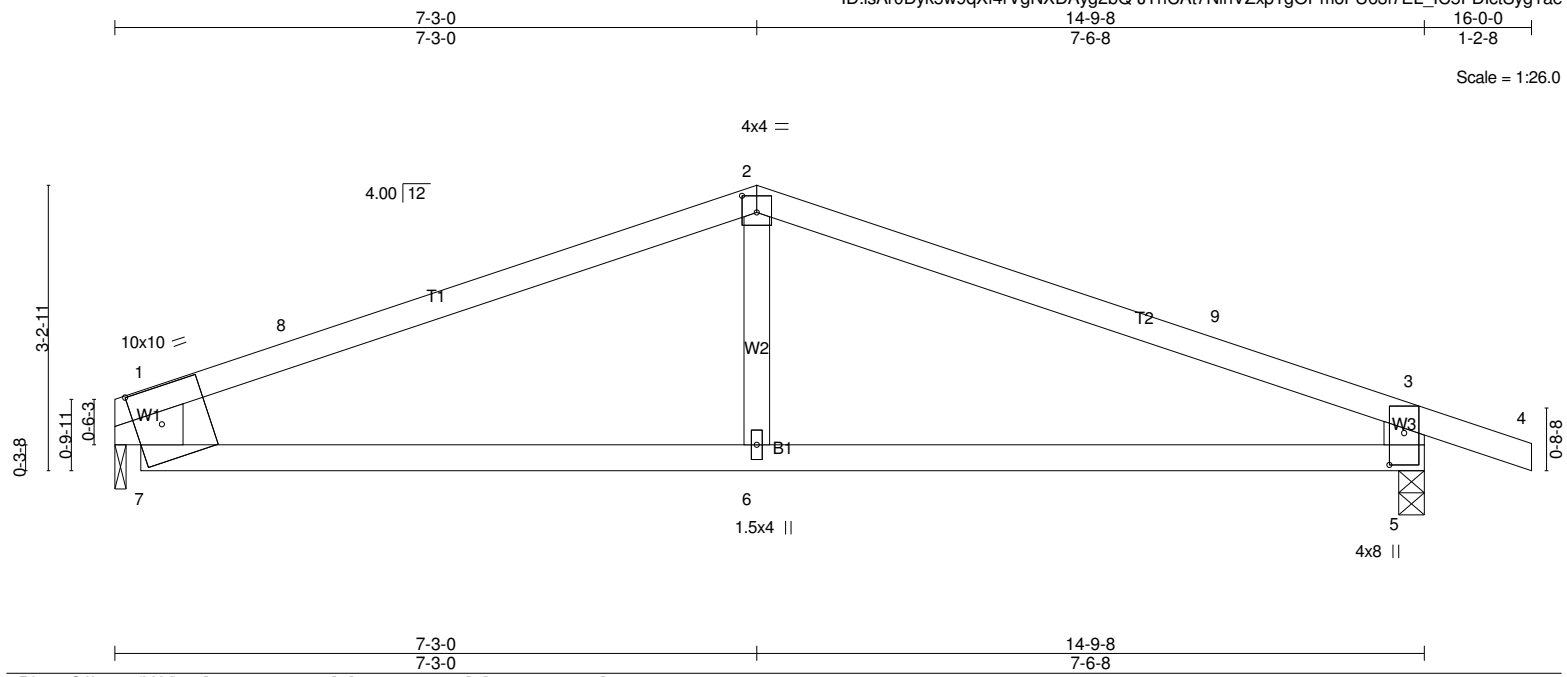
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - All plates are 1.5x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 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) 20, 12, 17, 18, 15, 14.
  - This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T02	COMMON	2	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:33 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-JThCat7NinVZxp1gOPmoFU63I7EL\_IC5FDlctSyy1ae



Scale = 1:26.0

Plate Offsets (X,Y)-- [1:0-3-10,0-5-0], [2:0-2-0,0-2-4], [5:0-4-5,0-2-0]					
<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 (roof) 20.0	Plate Grip DOL 1.15	TC 0.55	Vert(LL) -0.08 5-6 >999 240	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL 1.15	BC 0.39	Vert(CT) -0.17 5-6 >980 180		
TCDL 10.0	Rep Stress Incr YES	WB 0.11	Horz(CT) 0.07 5 n/a n/a		
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-R		Weight: 53 lb	FT = 20%
BCDL 10.0					

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3 \*Except\*  
 W1: 2x10 SP No.1, W3: 2x6 SP No.1

**BRACING-**  
 TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 1=444/0-1-8 (min. 0-1-8), 5=512/0-3-8 (min. 0-1-8)  
 Max Horz 1=-49(LC 10)  
 Max Uplift 5=-37(LC 12)  
 Max Grav 1=563(LC 2), 5=658(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-8=-837/0, 2-8=-764/17, 2-9=-764/18, 3-9=-843/0, 3-5=-579/81  
 BOT CHORD 6-7=0/724, 5-6=0/724  
 WEBS 2-6=0/276

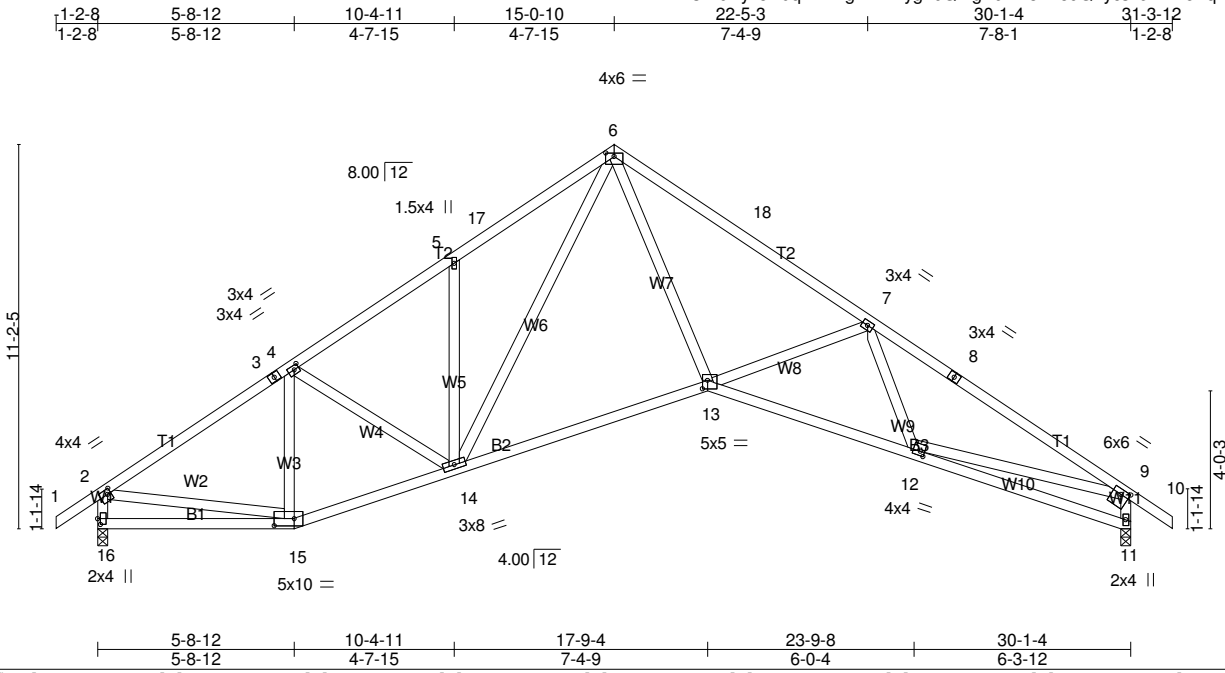
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - 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) Bearing at joint(s) 1 considers parallel to grain value using ANS/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
  - 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TPI 1.
  - 12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN
P21-08026	T03	Roof Special	4	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:34 2021 Page 1  
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Scale = 1:67.1

Plate Offsets (X,Y)--	[2:0-1-4,0-1-12], [4:0-1-12,0-1-8], [6:0-3-0,0-1-4], [9:0-3-0,0-1-12], [12:0-1-8,0-1-8], [13:0-1-12,0-3-0], [15:0-7-0,0-2-8], [16:0-2-0,0-1-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.79	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.42	Vert(LL) -0.12 13-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.70	Vert(CT) -0.29 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.16 11 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 186 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Sheathed, except end verticals.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 16=999/0-3-8 (min. 0-2-0), 11=999/0-3-8 (min. 0-2-0)  
 Max Horz 16=241(LC 11)  
 Max Uplift 16=-33(LC 12), 11=-33(LC 12)  
 Max Grav 16=1274(LC 2), 11=1274(LC 2)

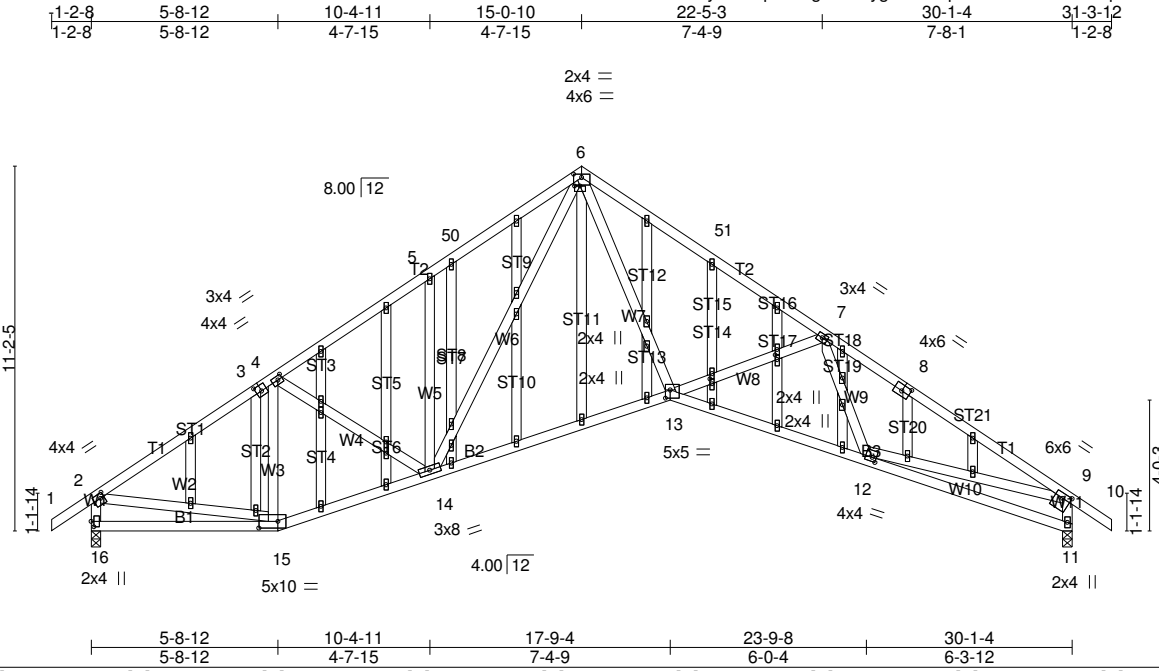
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1519/37, 3-4=-1338/40, 4-5=-1662/41, 5-17=-1653/101, 6-17=-1578/129,  
 6-18=-2000/0, 7-18=-2137/0, 7-8=-2216/0, 8-9=-2442/0, 2-16=-1211/68, 9-11=-1297/71  
 BOT CHORD 15-16=-157/335, 14-15=0/1286, 13-14=0/1228, 12-13=0/2118, 11-12=-30/296  
 WEBS 4-15=-482/15, 5-14=-293/103, 6-14=-127/487, 6-13=0/1408, 7-13=-412/141, 2-15=0/1040,  
 9-12=0/1692

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; 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
  - TCCL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - 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.
  - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 11.
  - This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T03GE	GABLE	1	1	

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:35 2021 Page 1  
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Scale = 1:70.7

Plate Offsets (X,Y)-- [2:0-1-4,0-1-12], [3:0-2-0,0-2-4], [4:0-1-12,0-1-8], [6:0-3-0,0-1-4], [6:0-2-0,0-0-0], [8:0-3-0,0-2-4], [9:0-3-0,0-1-12], [12:0-1-8,0-1-8], [13:0-1-12,0-3-0], [15:0-7-0,0-2-8], [16:0-2-0,0-1-0], [39:0-1-12,0-0-12], [42:0-1-12,0-0-12]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.79	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.42	Vert(LL) -0.12 13-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.70	Vert(CT) -0.29 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.16 11 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 269 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed, 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) 16=999/0-3-8 (min. 0-2-0), 11=999/0-3-8 (min. 0-2-0)  
 Max Horz 16=241(LC 11)  
 Max Uplift 16=-33(LC 12), 11=-33(LC 12)  
 Max Grav 16=1274(LC 2), 11=1274(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1519/37, 3-4=-1338/40, 4-5=-1662/41, 5-50=-1653/101, 6-50=-1578/129,  
 6-51=-2000/0, 7-51=-2137/0, 7-8=-2216/0, 8-9=-2441/0, 2-16=-1211/68, 9-11=-1297/71  
 BOT CHORD 15-16=-157/335, 14-15=0/1286, 13-14=0/1228, 12-13=0/2118, 11-12=-30/296  
 WEBS 4-15=-482/15, 5-14=-293/103, 6-14=-127/487, 6-13=0/1408, 7-13=-412/141, 2-15=0/1040,  
 9-12=0/1692

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; 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
  - 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - All plates are 1.5x4 MT20 unless otherwise indicated.
  - 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.
  - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 11.
  - This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T04	ROOF SPECIAL	3	1	

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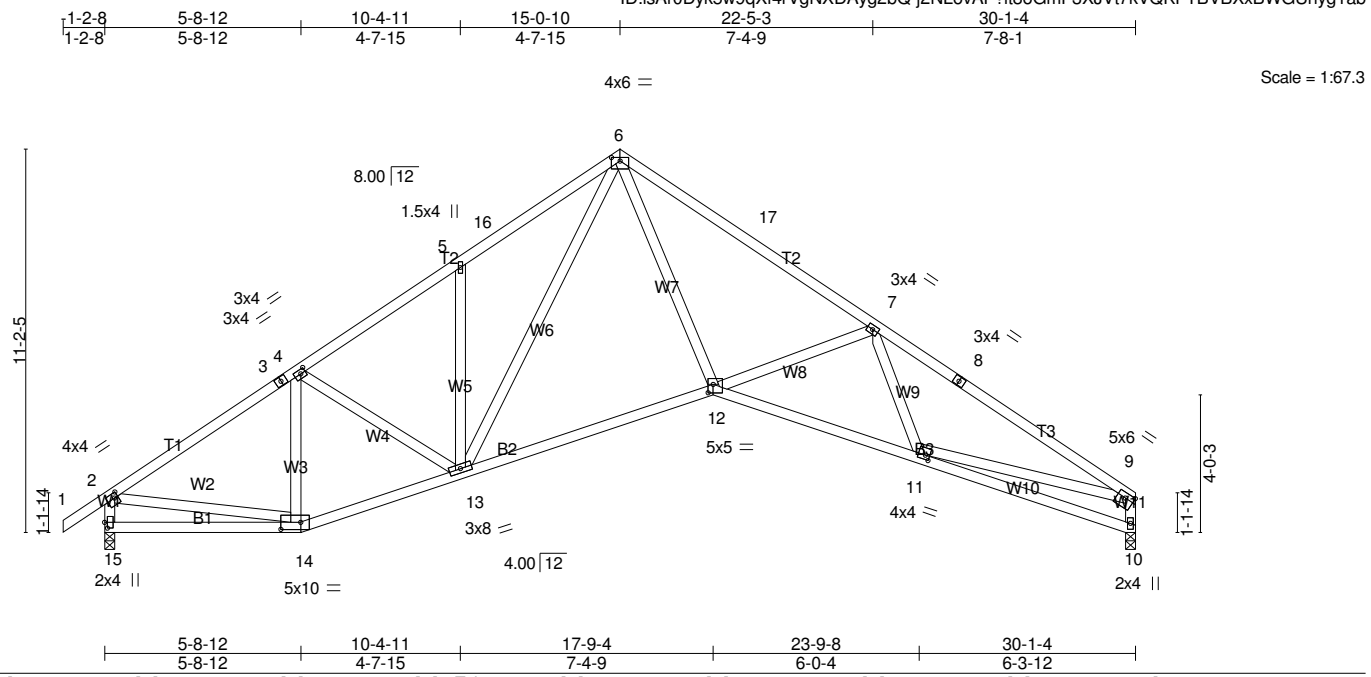


Plate Offsets (X,Y)--	[2:0-1-4,0-1-12], [4:0-1-12,0-1-8], [6:0-3-0,0-1-4], [9:Edge,0-1-12], [11:0-1-8,0-1-8], [12:0-1-12,0-3-0], [14:0-7-0,0-2-8], [15:0-2-0,0-1-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15		TC 0.85	Vert(LL) -0.12 12-13	>999	240		MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL 1.15		BC 0.43	Vert(CT) -0.30 12-13	>999	180			
TCDL 10.0	Rep Stress Incr YES		WB 0.73	Horz(CT) 0.16 10	n/a	n/a			
BCLL 0.0 *	Code IRC2018/TPI2014		Matrix-S						
BCDL 10.0								Weight: 184 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed, 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) 15=1000/0-3-8 (min. 0-2-0), 10=939/0-3-8 (min. 0-1-14)  
 Max Horz 15=235(LC 11)  
 Max Uplift 15=-33(LC 12)  
 Max Grav 15=1276(LC 2), 10=1191(LC 2)

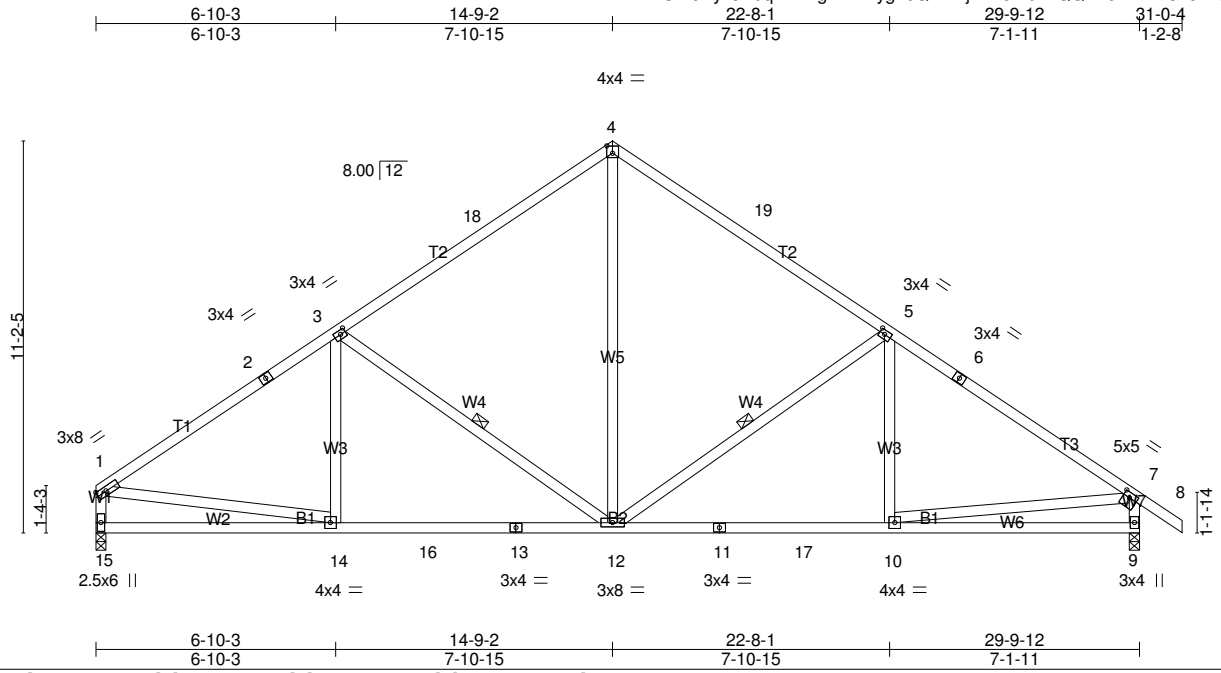
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1521/37, 3-4=-1341/40, 4-5=-1665/51, 5-16=-1658/112, 6-16=-1582/140,  
 6-17=-2010/0, 7-17=-2149/0, 7-8=-2225/0, 8-9=-2450/0, 2-15=-1213/68, 9-10=-1196/38  
 BOT CHORD 14-15=-151/324, 13-14=0/1278, 12-13=0/1231, 11-12=0/2138  
 WEBS 4-14=-483/27, 5-13=-294/104, 6-13=-117/487, 6-12=0/1422, 7-12=-424/141, 2-14=0/1041,  
 9-11=0/1763

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; 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
  - TC LL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - 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.
  - Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15.
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job P21-08026	Truss T05	Truss Type HOWE	Qty 3	Ply 1	LOT 4 ROSSER PITTMAN
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8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:37 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAYg2bQ-BFxfj?FAum0??QLRdFrkPKGkdKZ9w0HgArGp0Dyg1aa



Scale = 1:65.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.62	Vert(LL)	-0.10 12-14	>999	240	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.53	Vert(CT)	-0.19 12-14	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.48	Horz(CT)	0.03 9	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IRC2018/TPI2014						Weight: 182 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed or 4-5-7 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 3-12, 5-12

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

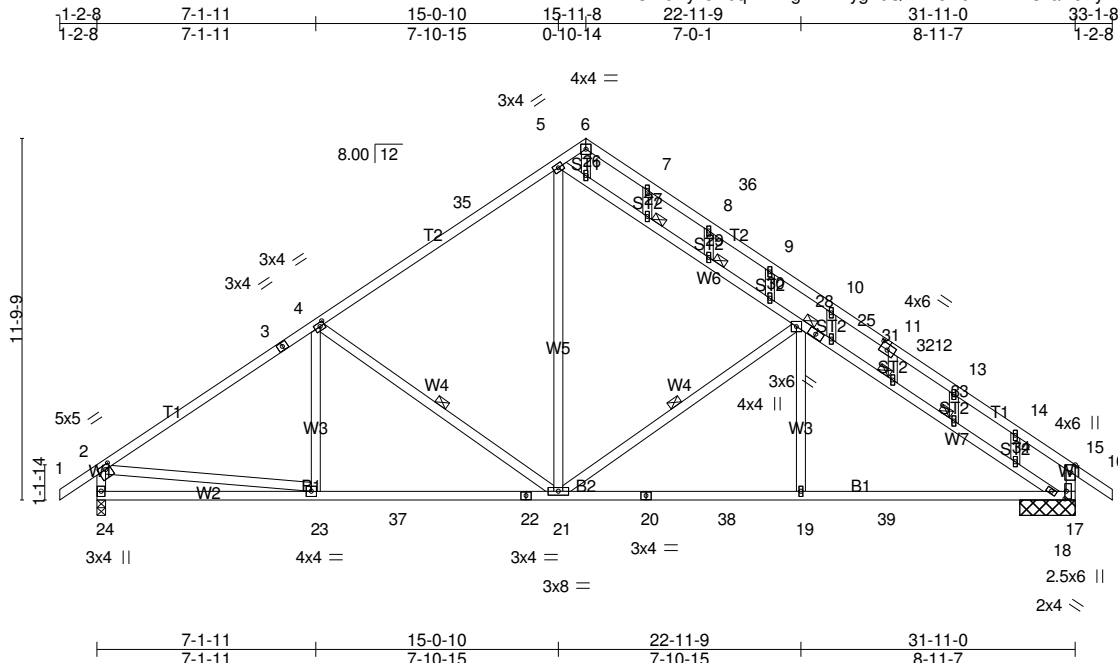
**REACTIONS.** (lb/size) 15=930/0-3-8 (min. 0-2-1), 9=991/0-3-8 (min. 0-2-3)  
 Max Horz 15=-235(LC 10)  
 Max Uplift 9=-33(LC 12)  
 Max Grav 15=1332(LC 24), 9=1411(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-1657/17, 2-3=-1490/44, 3-18=-1250/86, 4-18=-1131/111, 4-19=-1130/110,  
 5-19=-1249/86, 5-6=-1534/43, 6-7=-1709/18, 1-15=-1230/33, 7-9=-1303/69  
 BOT CHORD 14-15=-168/312, 14-16=0/1458, 13-16=0/1458, 12-13=0/1458, 11-12=0/1347, 11-17=0/1347,  
 10-17=0/1347  
 WEBS 4-12=-10/861, 3-12=-557/92, 5-12=-595/90, 7-10=0/1146, 1-14=0/1193

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - 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, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
  - This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T06SGE	HOWE	1	1	Job Reference (optional)



Scale = 1:75.1

Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [4:0-1-12,0-1-8], [11:0-3-0,0-2-4], [15:0-3-0,Edge], [17:0-3-0,0-0-8]					
<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 (roof) 20.0	Plate Grip DOL 1.15	TC 0.85	Vert(LL) -0.12 21-23 >999 240	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL 1.15	BC 0.63	Vert(CT) -0.22 21-23 >999 180		
TCDL 10.0	Rep Stress Incr YES	WB 0.92	Horz(CT) 0.05 17 n/a n/a		
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-S			
BCDL 10.0				Weight: 222 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3 \*Except\*  
 W6: 2x4 SP No.2

**BRACING-**  
 TOP CHORD Sheathed or 4-5-6 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 4-21, 21-28  
 JOINTS 1 Brace at Jt(s): 27, 28, 29, 32, 33

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

**REACTIONS.** (lb/size) 24=1042/0-3-8 (min. 0-2-5), 17=-33/1-9-12 (min. 0-2-7), 18=1104/1-9-12 (min. 0-2-7)  
 Max Horz 24=254(LC 11)  
 Max Uplift 24=-29(LC 12), 17=-457(LC 32), 18=-269(LC 12)  
 Max Grav 24=1493(LC 24), 17=241(LC 18), 18=1781(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1829/31, 3-4=-1655/38, 4-35=-1374/80, 5-35=-1230/104, 5-6=-404/148, 6-7=-374/125,  
 7-36=-355/88, 8-36=-364/77, 8-9=-417/72, 9-10=-358/20, 10-11=-301/0, 11-12=-305/0,  
 12-13=-352/0, 13-14=-386/0, 14-15=-457/0, 2-24=-1385/65, 15-17=-492/0  
 BOT CHORD 23-24=-159/435, 23-37=0/1599, 22-37=0/1599, 21-22=0/1599, 20-21=0/1609, 20-38=0/1609,  
 19-38=0/1609, 19-39=0/1609, 18-39=0/1609, 17-18=0/275  
 WEBS 5-26=-1191/71, 26-27=-1047/0, 27-29=-1093/23, 29-30=-1098/25, 28-30=-1175/71,  
 25-28=-1576/44, 25-31=-1576/44, 31-32=-1652/90, 32-33=-1662/96, 33-34=-1683/102,  
 18-34=-1677/122, 6-26=-130/311, 4-21=-571/90, 5-21=-5/964, 21-28=-752/80, 19-28=0/413,  
 2-23=0/1237

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - All plates are 1.5x4 MT20 unless otherwise indicated.
  - 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, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24 except (jt=lb) 17=457, 18=269.
  - This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T07	COMMON	3	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:39 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-7d2UQxC8ldGjfkUqkftCUL3QYFHowizd9lw56yg1aY

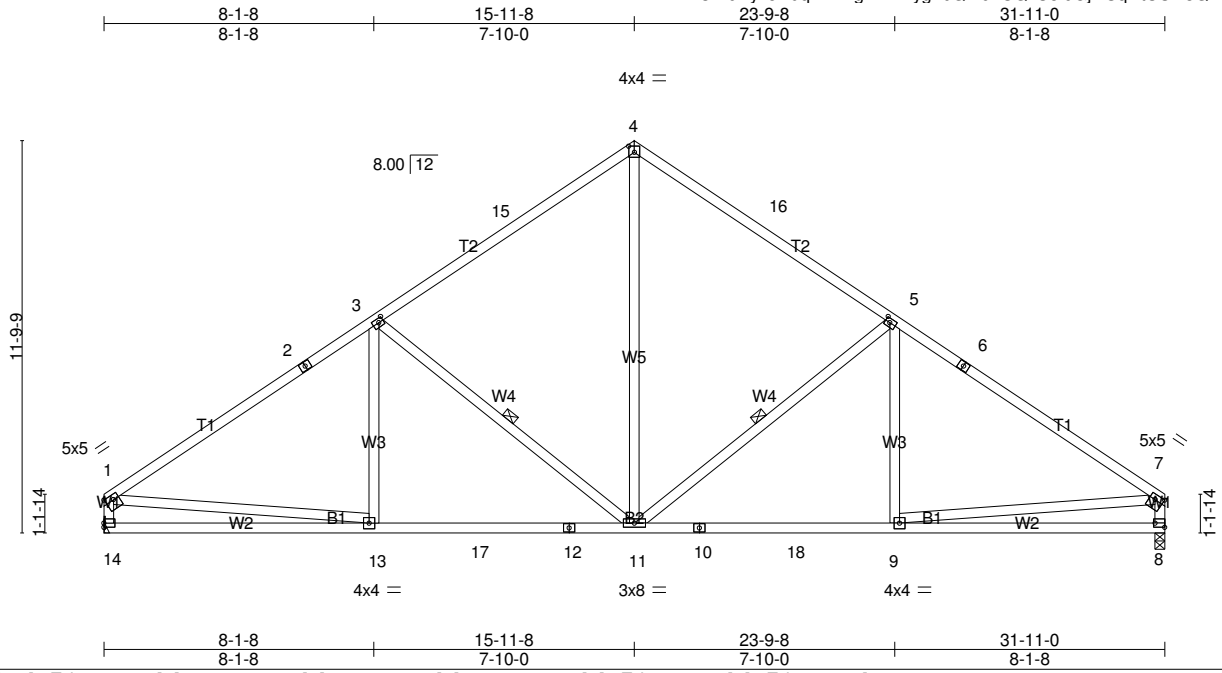


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [3:0-1-12,0-1-8], [4:0-2-0,0-2-4], [5:0-1-12,0-1-8], [7:Edge,0-1-12], [8:Edge,0-1-8]					
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.55	Vert(LL) -0.11 11-13 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.49	Vert(CT) -0.20 11-13 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.04 8 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 193 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3

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

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

**REACTIONS.** (lb/size) 14=998/Mechanical, 8=998/0-3-8 (min. 0-2-4)  
 Max Horz 14=236(LC 11)  
 Max Grav 14=1437(LC 23), 8=1437(LC 24)

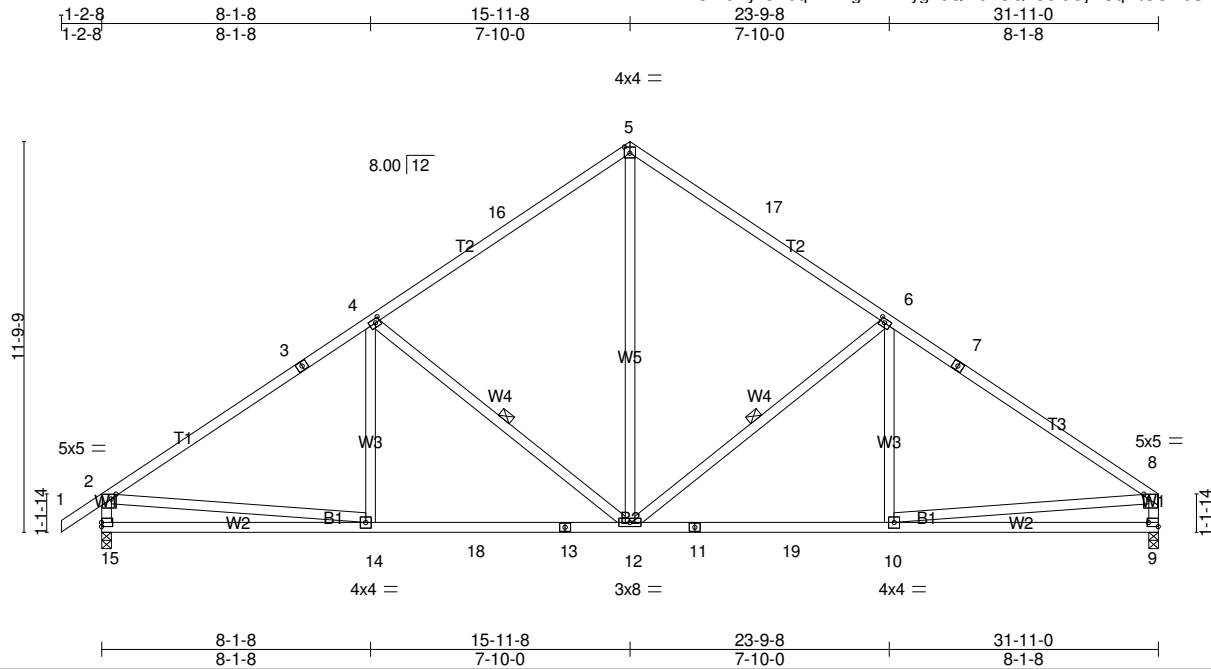
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-1848/17, 2-3=-1649/47, 3-15=-1353/75, 4-15=-1235/122, 4-16=-1235/122,  
 5-16=-1353/75, 5-6=-1649/47, 6-7=-1848/17, 1-14=-1310/42, 7-8=-1310/42  
 BOT CHORD 13-14=-131/455, 13-17=0/1598, 12-17=0/1598, 11-12=0/1598, 10-11=0/1453, 10-18=0/1453,  
 9-18=0/1453, 8-9=-15/282  
 WEBS 4-11=-29/994, 5-11=-658/95, 5-9=0/287, 3-11=-658/95, 3-13=0/287, 1-13=0/1215,  
 7-9=0/1219

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - 4) Unbalanced snow loads have been considered for this design.
  - 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 = 10.0psf.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T08	COMMON	2	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:39 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAy2bQ-7d2UQx8ldGjfkUqkftCUIL0SYFIowmzd9lw56yg1aY



Scale = 1:69.6

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

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.55	Vert(LL) -0.11 10-12 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.48	Vert(CT) -0.20 10-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.04 9 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 195 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 6-12, 4-12

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

**REACTIONS.** (lb/size) 15=1057/0-3-8 (min. 0-2-6), 9=997/0-3-8 (min. 0-2-4)  
 Max Horz 15=248(LC 11)  
 Max Uplift 15=-33(LC 12)  
 Max Grav 15=1513(LC 24), 9=1436(LC 25)

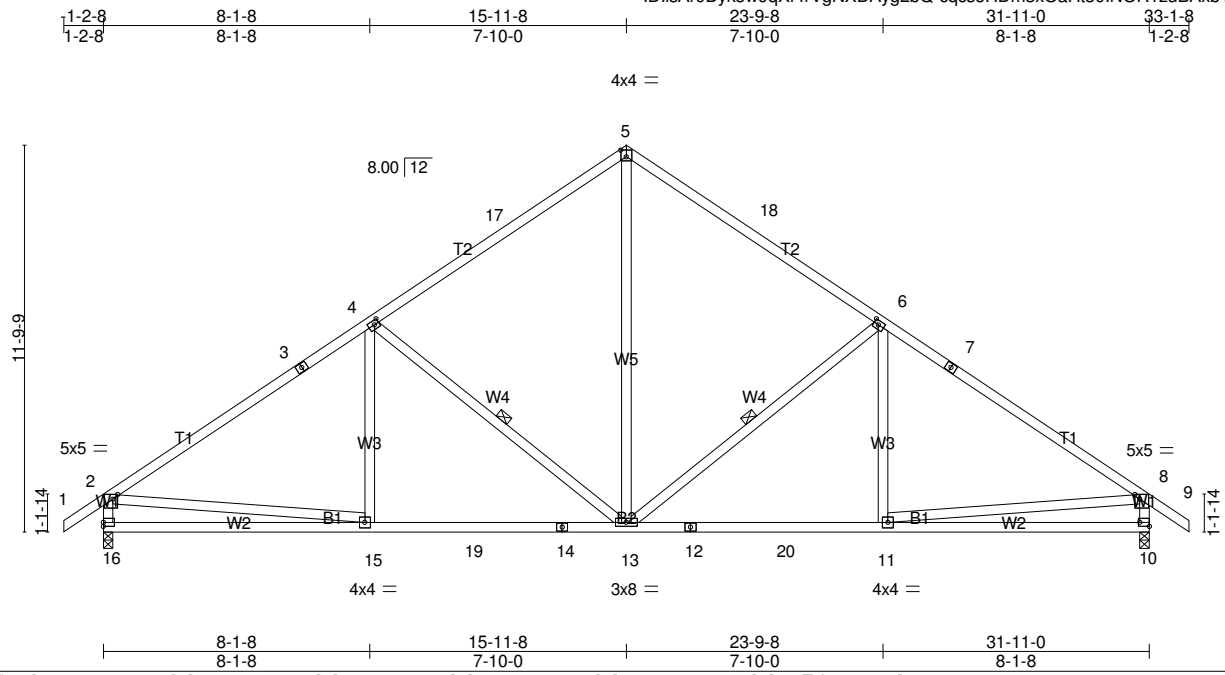
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1846/20, 3-4=-1646/48, 4-16=-1350/97, 5-16=-1233/121, 5-17=-1233/122,  
 6-17=-1351/75, 6-7=-1647/47, 7-8=-1846/17, 2-15=-1387/76, 8-9=-1309/42  
 BOT CHORD 14-15=-141/532, 14-18=0/1587, 13-18=0/1587, 12-13=0/1587, 11-12=0/1451, 11-19=0/1451,  
 10-19=0/1451, 9-10=-15/282  
 WEBS 5-12=-27/988, 6-12=-658/95, 6-10=0/287, 4-12=-647/92, 4-14=0/290, 2-14=0/1156,  
 8-10=0/1217

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - All plates are 3x4 MT20 unless otherwise indicated.
  - 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, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15.
  - This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T09	Common	5	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:40 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-cqcseHDM3xOaHt30INOR1zuBAxbY7NT6spUudYyg1ax



Scale = 1:70.3

Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [4:0-1-12,0-1-8], [5:0-2-0,0-2-8], [6:0-1-12,0-1-8], [8:0-1-12,0-1-12], [10:Edge,0-1-8]									
<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 (roof) 20.0	Plate Grip DOL	1.15	TC	Vert(LL)	-0.11 13-15	>999	240	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Lumber DOL	1.15	BC	Vert(CT)	-0.20 13-15	>999	180		
TCDL 10.0	Rep Stress Incr	YES	WB	Horz(CT)	0.04 10	n/a	n/a		
BCLL 0.0 *	Code IRC2018/TPI2014		Matrix-S						
BCDL 10.0								Weight: 198 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed or 4-2-4 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 6-13, 4-13

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

**REACTIONS.** (lb/size) 16=1056/0-3-8 (min. 0-2-6), 10=1056/0-3-8 (min. 0-2-6)  
 Max Horz 16=254(LC 11)  
 Max Uplift 16=-33(LC 12), 10=-33(LC 12)  
 Max Grav 16=1512(LC 24), 10=1512(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1843/19, 3-4=-1644/47, 4-17=-1347/97, 5-17=-1231/121, 5-18=-1231/121,  
 6-18=-1348/97, 6-7=-1644/47, 7-8=-1844/19, 2-16=-1385/75, 8-10=-1385/75  
 BOT CHORD 15-16=-125/541, 15-19=0/1594, 14-19=0/1594, 13-14=0/1594, 12-13=0/1451, 12-20=0/1451,  
 11-20=0/1451, 10-11=-20/356  
 WEBS 5-13=-25/980, 6-13=-646/92, 6-11=0/291, 4-13=-647/92, 4-15=0/291, 2-15=0/1154,  
 8-11=0/1160

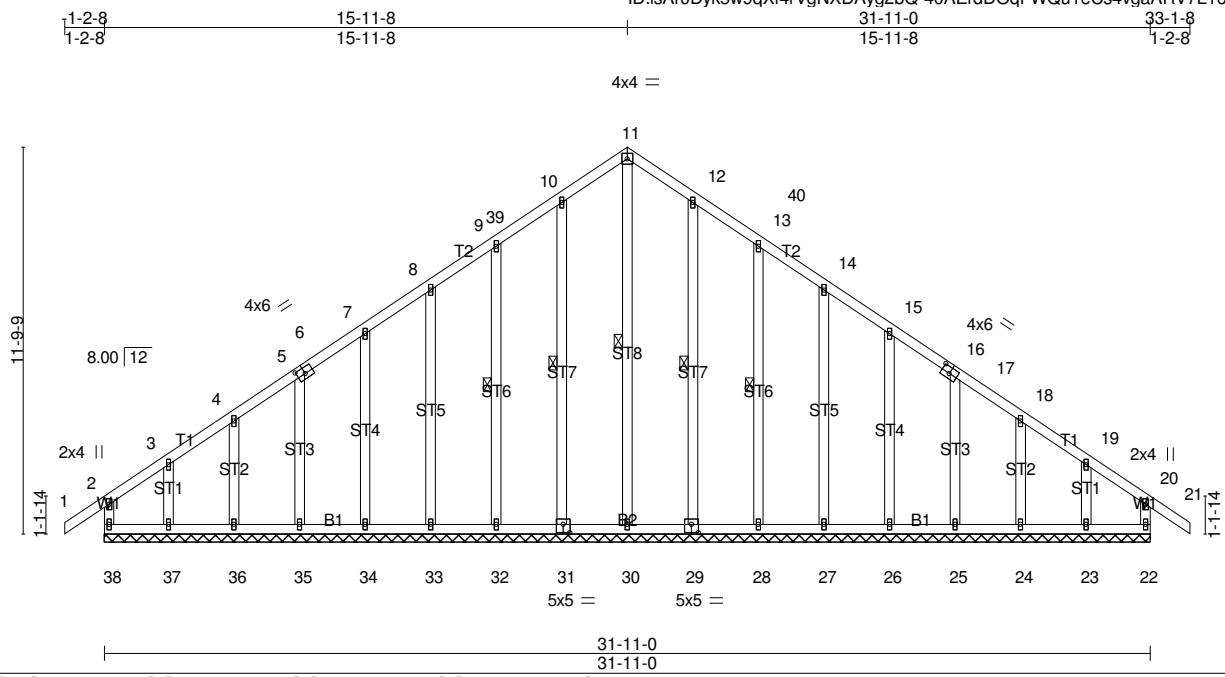
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 3x4 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 = 10.0psf.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10.
  - 10) This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	T09GE	Common Supported Gable	1	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:41 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAyq2bQ-40AErdOqFWQu1eCs4vgaARV7L16svNG5TE19\_yg1aW



Scale = 1:70.3

Plate Offsets (X,Y)-- [6:0-3-0-0-2-4], [16:0-3-0-0-2-4], [29:0-2-8,0-3-0], [31:0-2-8,0-3-0]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.21	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) -0.01 21 n/r 120		
TCDL 10.0	Lumber DOL 1.15	WB 0.16	Vert(CT) -0.01 21 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.01 22 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 251 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed 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 11-30, 10-31, 9-32, 12-29, 13-28

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

**REACTIONS.** All bearings 31-11-0.  
 (lb) - Max Horz 38=-254(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 38, 22, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23  
 Max Grav All reactions 250 lb or less at joint(s) 38, 22, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23  
 except 30=260(LC 12)

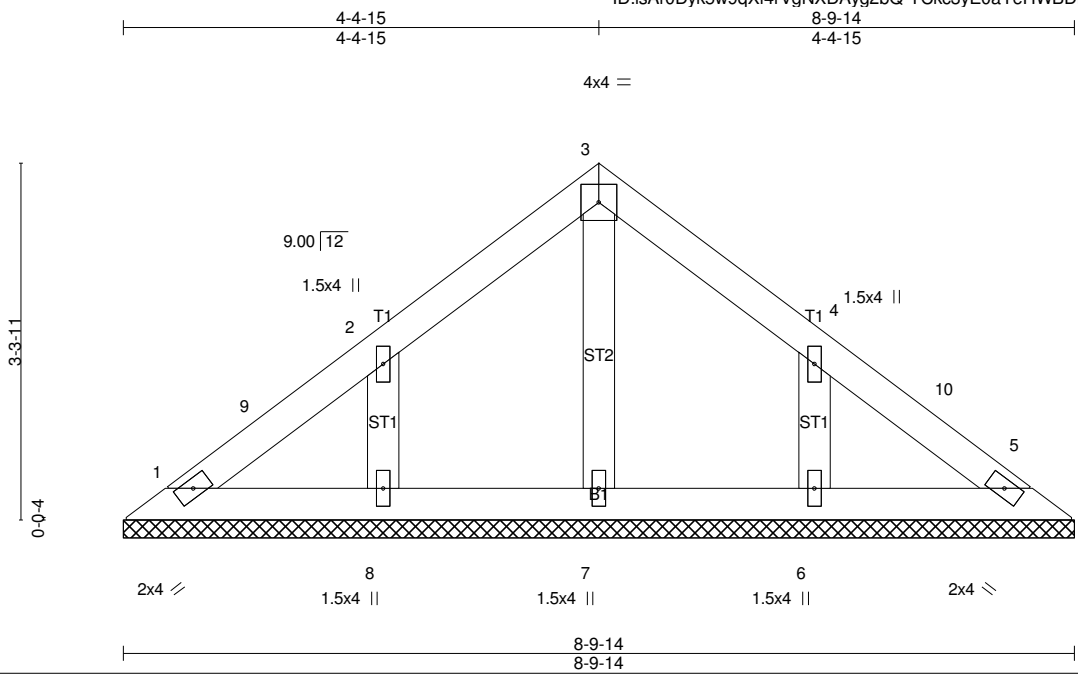
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 10-11=-56/254, 11-12=-46/254

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=32ft; 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.
  - TCCL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs non-concurrent with other live loads.
  - All plates are 1.5x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 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) 38, 22, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23.
  - This truss is designed in accordance with the 2018 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	LOT 4 ROSSER PITTMAN
P21-08026	V01	GABLE	1	1	Job Reference (optional)

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:42 2021 Page 1  
 ID:isAr0Dyk5w9qXf4rVgNXDAyg2bQ-YCkc3yE0aYeHWBDDPPoQv6OzjHlO9bOZPJ7zahRyg1aV



Scale = 1:21.4

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.05	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 36 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed 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 8-9-14.  
 (lb) - Max Horz 1=-59(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 8, 6  
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7, 8, 6

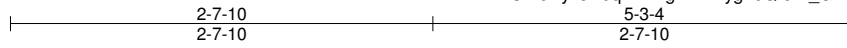
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - Gable requires continuous bottom chord bearing.
  - 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) 8, 6.
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

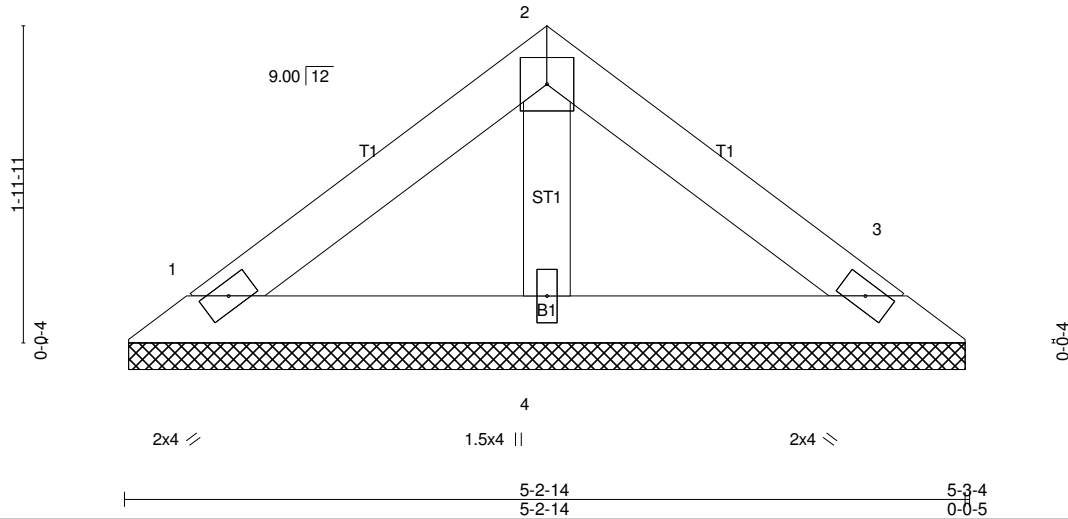
Job	Truss	Truss Type	Qty	Ply	LOT 4 ROSSER PITTMAN
P21-08026	V02	Valley	1	1	

8.430 s Mar 31 2021 MiTek Industries, Inc. Tue Sep 7 12:35:43 2021 Page 1  
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4x4 =

Scale = 1:14.4



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 11.6/15.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 18 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD  
 BOT CHORD

Sheathed or 5-3-4 oc purlins.  
 Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 1=76/5-2-9 (min. 0-1-8), 3=76/5-2-9 (min. 0-1-8), 4=125/5-2-9 (min. 0-1-8)  
 Max Horz 1=-33(LC 10)  
 Max Uplift 1=-10(LC 12), 3=-10(LC 12)  
 Max Grav 1=100(LC 2), 3=100(LC 2), 4=152(LC 2)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=15.0 psf; Pf=11.6 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
  - Unbalanced snow loads have been considered for this design.
  - Gable requires continuous bottom chord bearing.
  - 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) 1, 3.
  - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard