Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	AT01	Attic	8	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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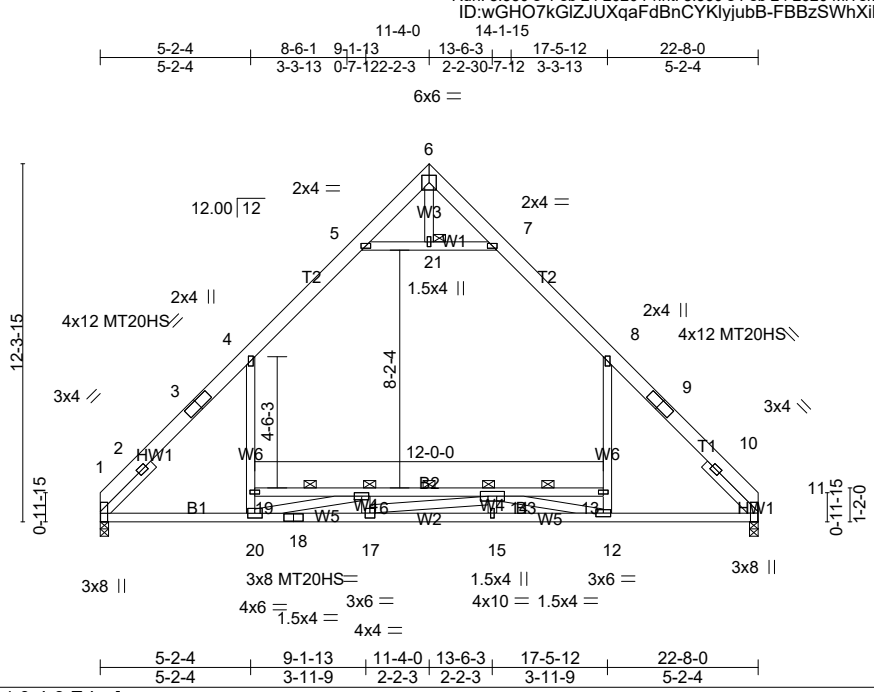

Plate Offsets (X,Y)-- [1:0-4-3,Edge], [11:0-4-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.37	14-16	>728	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.68	14-16	>399	240	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.07	1	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.20	13-19	740	360	Weight: 181 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP 2400F 2.0E
BOT CHORD 2x4 SP No.1 *Except*
B2: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W6,W1: 2x4 SP No.2
SLIDER Left 2x4 SP No.3 - 2-6-0, Right 2x4 SP No.3 -t 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
2-4-0 oc bracing: 13-19
JOINTS 1 Brace at Jt(s): 21

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

REACTIONS. (lb/size) 1=1271/0-3-8 (min. 0-1-15), 11=1271/0-3-8 (min. 0-1-15)
Max Horz 1=280(LC 13)
Max Grav 1=1644(LC 31), 11=1644(LC 30)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1019/25, 2-3=-1810/0, 3-4=-1750/0, 4-5=-1133/144, 5-6=-39/437, 6-7=-38/437, 7-8=-1133/144, 8-9=-1748/0, 9-10=-1808/0, 10-11=-1024/23
BOT CHORD 1-20=0/1196, 18-20=0/3424, 17-18=0/3424, 15-17=0/3197, 12-15=0/3167, 11-12=0/1146, 16-19=-308/188, 14-16=-2523/0, 13-14=-301/201
WEBS 12-13=0/719, 8-13=0/920, 19-20=0/697, 4-19=0/923, 5-21=-1640/226, 7-21=-1640/226, 6-21=0/65, 16-20=-2493/0, 16-17=0/138, 14-17=-265/367, 14-15=0/170, 12-14=-2352/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
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.
8) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-21, 7-21; Wall dead load (5.0psf) on member(s).8-13, 4-19
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-19, 14-16, 13-14
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.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	ATGE01	ATTIC	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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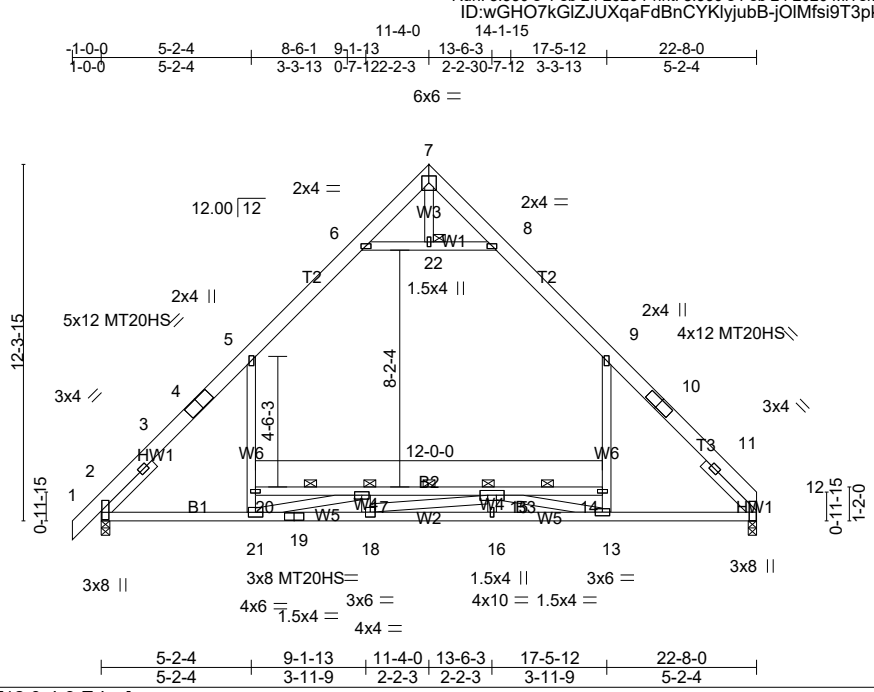

Plate Offsets (X,Y)-- [2:0-3-11,0-0-2], [12:0-4-3,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.38	15-17	>723	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.69	15-17	>396	240	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.08	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.20	14-20	740	360	Weight: 184 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SP 2400F 2.0E *Except*
	T1: 2x6 SP No.2
BOT CHORD	2x4 SP No.1 *Except*
	B2: 2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	W6,W1: 2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -t 2-6-0, Right 2x4 SP No.3 -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
	2-4-0 oc bracing: 14-20
JOINTS	1 Brace at Jt(s): 22

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

REACTIONS. (lb/size) 2=1339/0-3-8 (min. 0-2-0), 12=1270/0-3-8 (min. 0-1-15)
Max Horz 2=297(LC 13)
Max Grav 2=1707(LC 31), 12=1643(LC 31)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/57, 2-3=-845/22, 3-4=-1812/0, 4-5=-1751/0, 5-6=-1133/144, 6-7=-40/439, 7-8=-38/440, 8-9=-1131/143, 9-10=-1746/0 , 10-11=-1806/0, 11-12=-1023/23
BOT CHORD	2-21=0/1197, 19-21=0/3426, 18-19=0/3426, 16-18=0/3195, 13-16=0/3166, 12-13=0/1144, 17-20=-314/192, 15-17=-2527/0, 14-15=-301/204
WEBS	13-14=0/721, 9-14=0/922, 20-21=0/699, 5-20=0/925, 6-22=-1645/227, 8-22=-1645/227, 7-22=0/65, 17-21=-2487/0, 17-18=0/137, 15-18=-265/368, 15-16=0/170, 13-15=-2354/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-22, 8-22; Wall dead load (5.0psf) on member(s).9-14, 5-20
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-20, 15-17, 14-15
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.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	G01	Common Girder	1	2	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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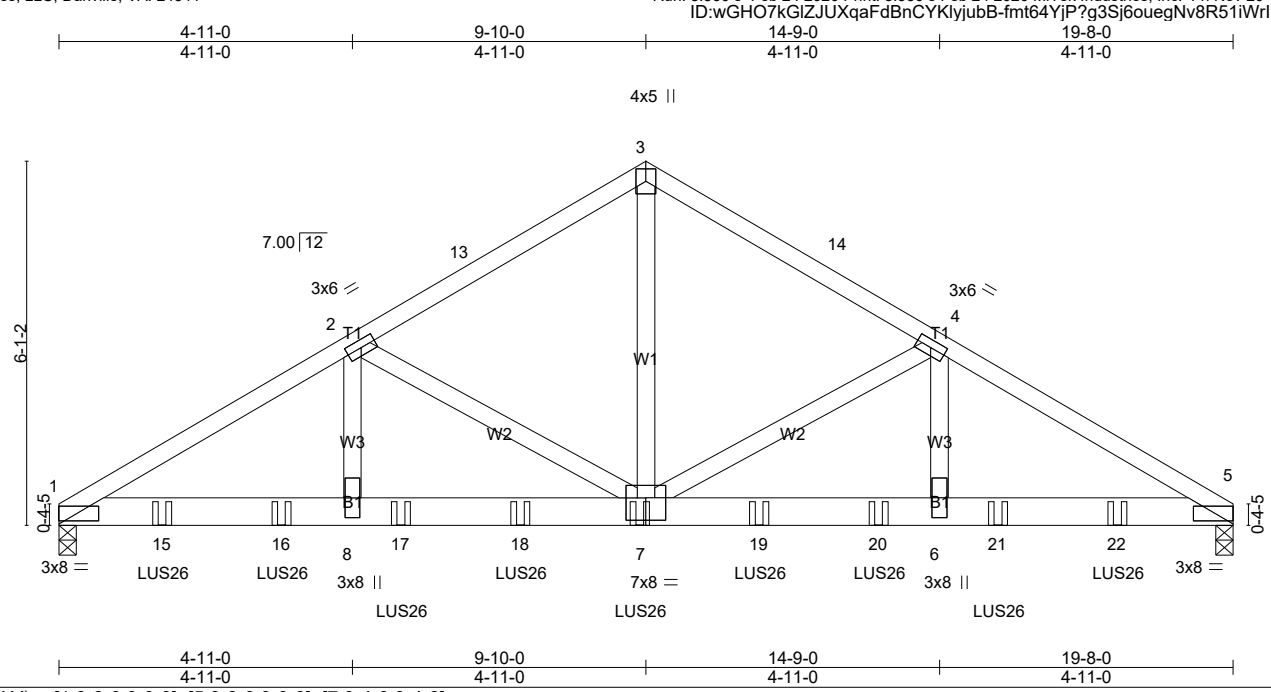

Plate Offsets (X,Y)-- [1:0-8-0,0-0-9], [5:0-8-0,0-0-9], [7:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.12	6-7	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.20	6-7	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.05	5	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-MS							Weight: 223 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=3979/0-3-8 (min. 0-1-15), 5=3920/0-3-8 (min. 0-1-14)
Max Horz 1=142(LC 44)
Max Uplift 1=-465(LC 16), 5=-458(LC 17)
Max Grav 1=4631(LC 2), 5=4562(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-7770/859, 2-13=-5209/608, 3-13=-5106/625, 3-14=-5106/625, 4-14=-5208/608, 4-5=-7775/860
BOT CHORD 1-15=-708/6679, 15-16=-708/6679, 8-16=-708/6679, 8-17=-708/6679, 17-18=-708/6679, 7-18=-708/6679, 7-19=-678/6682, 19-20=-678/6682, 6-20=-678/6682, 6-21=-678/6682, 21-22=-678/6682, 5-22=-678/6682
WEBS 3-7=-505/4766, 4-7=-2634/379, 4-6=-172/2207, 2-7=-2630/379, 2-8=-172/2199

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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
5) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
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 465 lb uplift at joint 1 and 458 lb uplift at joint 5.
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.
11) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 1-8-12 from the left end to 17-8-12 to connect truss(es) T09 (1 ply 2x4 SP) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-66, 3-5=-66, 1-5=-20
   Concentrated Loads (lb)
      Vert: 7=-689(B) 15=-689(B) 16=-689(B) 17=-689(B) 18=-689(B) 19=-689(B) 20=-689(B) 21=-689(B) 22=-689(B)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	M01	Monopitch Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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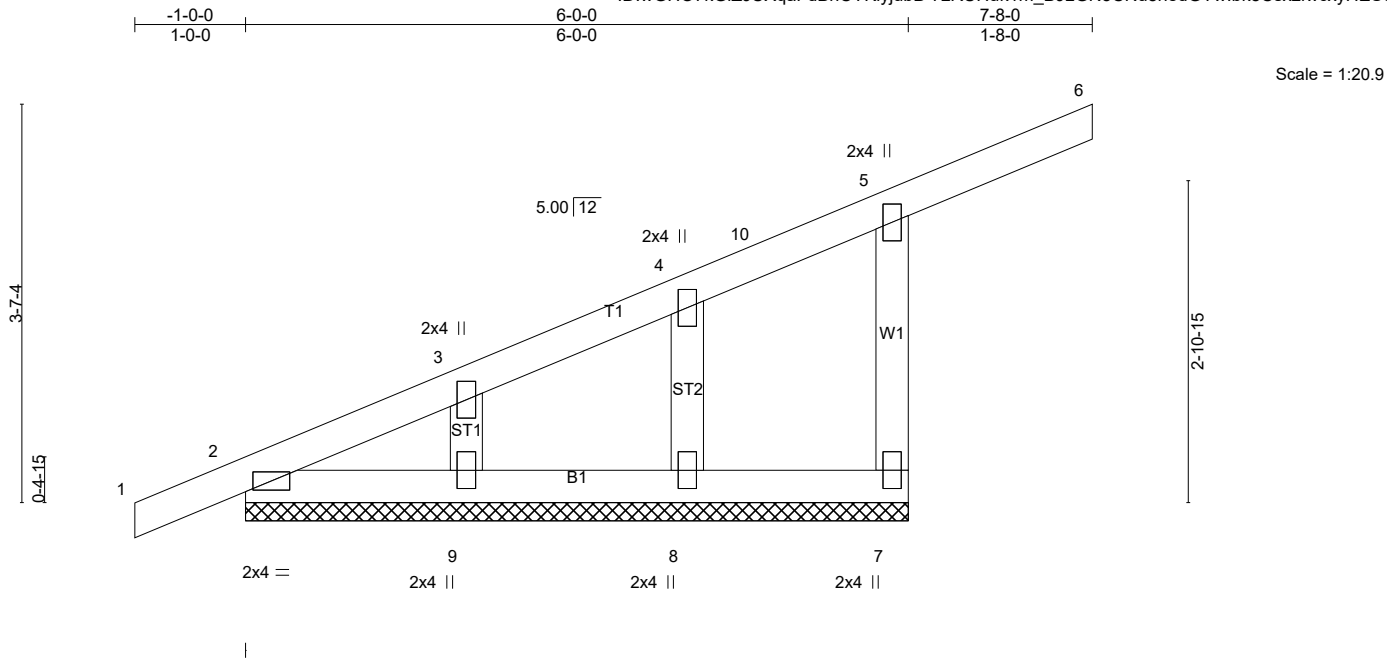

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.01	6	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	6	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 30 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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) 7=255/6-0-0 (min. 0-1-8), 2=153/6-0-0 (min. 0-1-8), 9=185/6-0-0 (min. 0-1-8), 8=99/6-0-0 (min. 0-1-8)
Max Horz 2=141(LC 13)
Max Uplift 7=-109(LC 13), 2=-17(LC 12), 9=-51(LC 16), 8=-11(LC 16)
Max Grav 7=315(LC 23), 2=181(LC 2), 9=214(LC 2), 8=111(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-213/107, 3-4=-151/81, 4-10=-120/70, 5-10=-113/79, 5-6=-58/0, 5-7=-300/216
BOT CHORD 2-9=-46/50, 8-9=-46/50, 7-8=-46/50
WEBS 3-9=-169/130, 4-8=-89/54

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 7, 17 lb uplift at joint 2, 51 lb uplift at joint 9 and 11 lb uplift at joint 8.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	M02	Monopitch	4	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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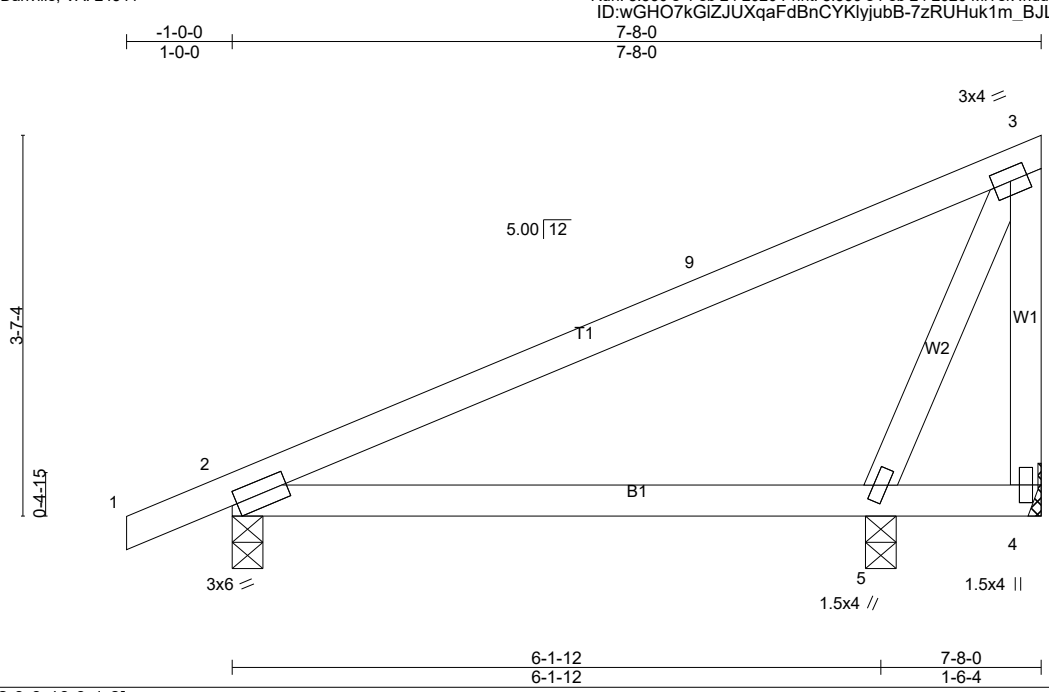

Plate Offsets (X,Y)-- [2:0-0-10,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.10	5-8	>746	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.16	5-8	>457	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							Weight: 35 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 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=294/Mechanical, 2=389/0-3-8 (min. 0-1-8), 5=32/0-3-8 (min. 0-1-8)
Max Horz 2=141(LC 15)
Max Uplift 4=-145(LC 16), 2=-82(LC 16)
Max Grav 4=353(LC 2), 2=457(LC 2), 5=144(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/31, 2-9=-261/73, 3-9=-141/84, 3-4=-486/311
BOT CHORD 2-5=-115/129, 4-5=-57/62
WEBS 3-5=-189/319

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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 145 lb uplift at joint 4 and 82 lb uplift at joint 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	M03	Monopitch	5	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

Run: 8.330 s Feb 24 2020 Print: 8.330 s Feb 24 2020 MiTek Industries, Inc. Fri Nov 20 17:23:28 2020 Page 1
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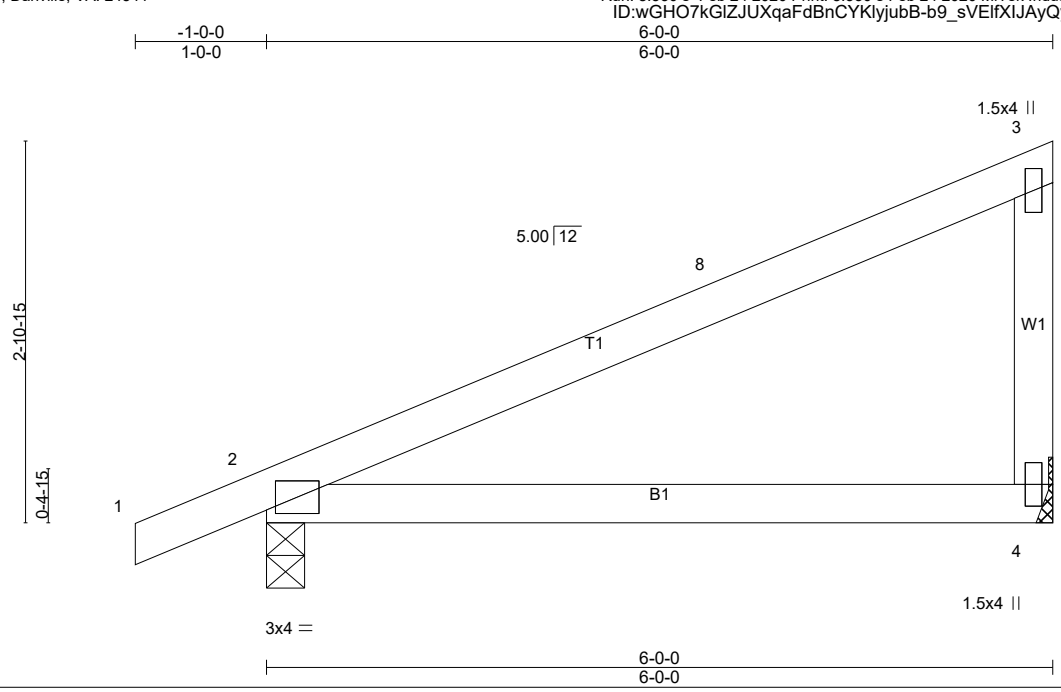

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.07	4-7	>966	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.14	4-7	>496	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							Weight: 24 lb	FT = 20%
BCDL	10.0											

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

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) 4=247/Mechanical, 2=324/0-3-8 (min. 0-1-8)
Max Horz 2=112(LC 15)
Max Uplift 4=-52(LC 16), 2=-55(LC 16)
Max Grav 4=286(LC 2), 2=380(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/31, 2-8=-109/63, 3-8=-95/79, 3-4=-202/143
BOT CHORD 2-4=-46/50

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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 52 lb uplift at joint 4 and 55 lb uplift at joint 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	M04	Monopitch Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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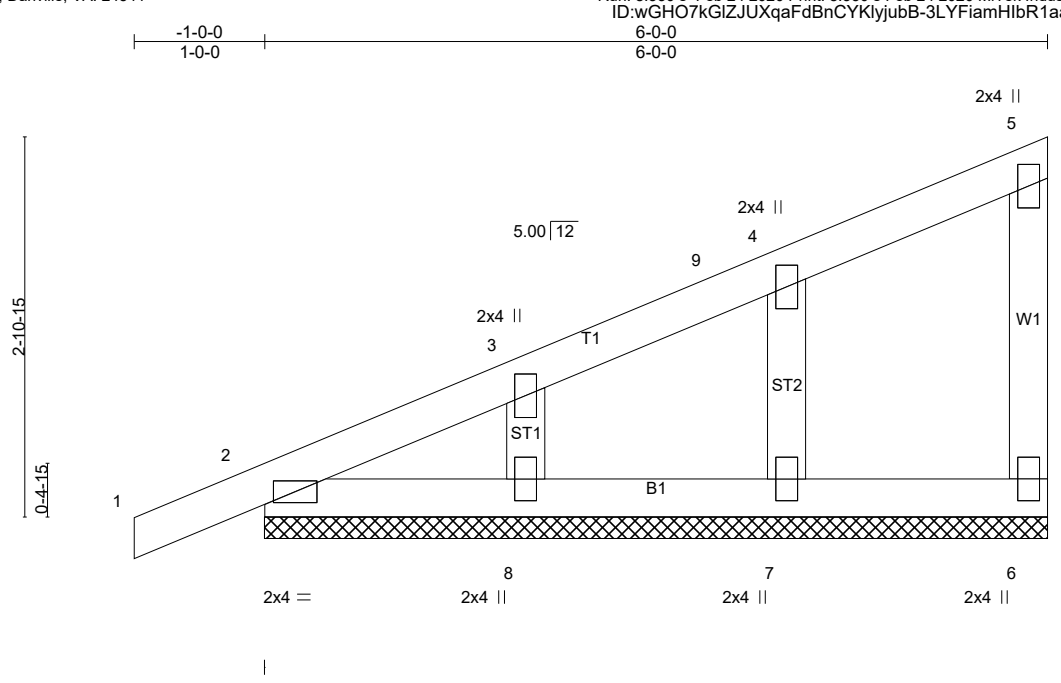

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	0.00	1	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 27 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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=62/6-0-0 (min. 0-1-8), 2=156/6-0-0 (min. 0-1-8), 8=166/6-0-0 (min. 0-1-8), 7=186/6-0-0 (min. 0-1-8)
Max Horz 2=112(LC 13)
Max Uplift6=-13(LC 13), 2=-26(LC 12), 8=-43(LC 16), 7=-46(LC 16)
Max Grav 6=73(LC 23), 2=185(LC 2), 8=192(LC 2), 7=217(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-170/94, 3-9=-113/65, 4-9=-105/73, 4-5=-60/49, 5-6=-58/53
BOT CHORD 2-8=-46/50, 7-8=-46/50, 6-7=-46/50
WEBS 3-8=-147/115, 4-7=-175/120

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 6, 26 lb uplift at joint 2, 43 lb uplift at joint 8 and 46 lb uplift at joint 7.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	M05	Monopitch Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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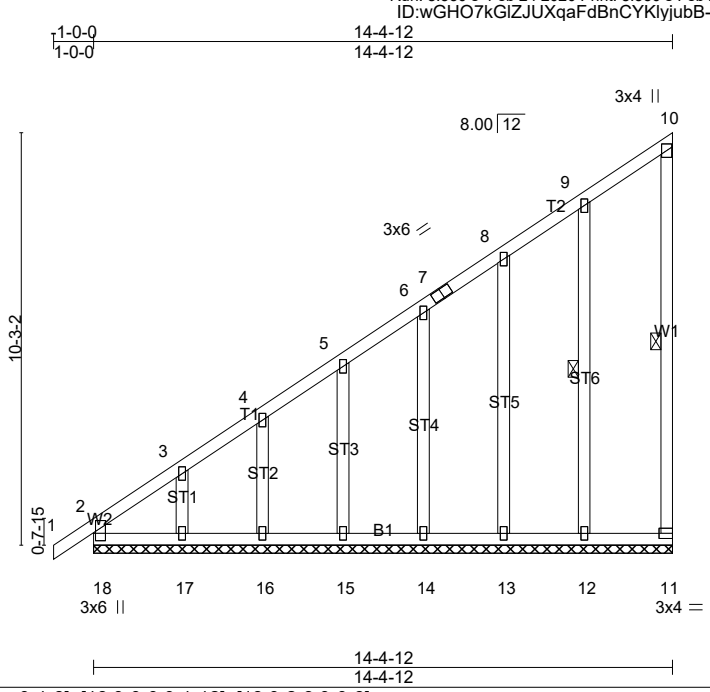

Plate Offsets (X,Y)-- [2:0-1-3,0-1-12], [11:Edge,0-1-8], [18:0-0-0,0-1-12], [18:0-2-3,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.01	1	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.01	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.00	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-R							Weight: 108 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	W1: 2x4 SP No.2
OTHERS	2x4 SP No.3

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 10-11, 9-12

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

REACTIONS. (lb/size) 18=173/14-4-12 (min. 0-1-12), 11=74/14-4-12 (min. 0-1-12), 15=172/14-4-12 (min. 0-1-12), 16=174/14-4-12 (min. 0-1-12), 17=164/14-4-12 (min. 0-1-12), 14=173/14-4-12 (min. 0-1-12), 13=169/14-4-12 (min. 0-1-12), 12=192/14-4-12 (min. 0-1-12)
Max Horz 18=383(LC 13)
Max Uplift 18=-93(LC 12), 11=-74(LC 15), 15=-69(LC 16), 16=-40(LC 16), 17=-155(LC 16), 14=-65(LC 16), 13=-58(LC 16), 12=-76(LC 16)
Max Grav 18=306(LC 31), 11=111(LC 30), 15=203(LC 30), 16=203(LC 2), 17=240(LC 30), 14=201(LC 2), 13=203(LC 23), 12=272(LC 23)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	2-18=-306/212, 1-2=0/51, 2-3=-560/507, 3-4=-450/415, 4-5=-402/376, 5-6=-340/324, 6-7=-279/254, 7-8=-272/274, 8-9=-227/235, 9-10=-139/135, 10-11=-86/49
BOT CHORD	17-18=-157/173, 16-17=-157/173, 15-16=-157/173, 14-15=-157/173, 13-14=-157/173, 12-13=-157/173, 11-12=-157/173
WEBS	5-15=-161/91, 4-16=-163/78, 3-17=-206/173, 6-14=-161/86, 8-13=-164/108, 9-12=-227/161

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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.

Continued on page 2

NOTES-

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 18, 74 lb uplift at joint 11, 69 lb uplift at joint 15, 40 lb uplift at joint 16, 155 lb uplift at joint 17, 65 lb uplift at joint 14, 58 lb uplift at joint 13 and 76 lb uplift at joint 12.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	M06	Monopitch Supported Gable	1	1	Job Reference (optional)

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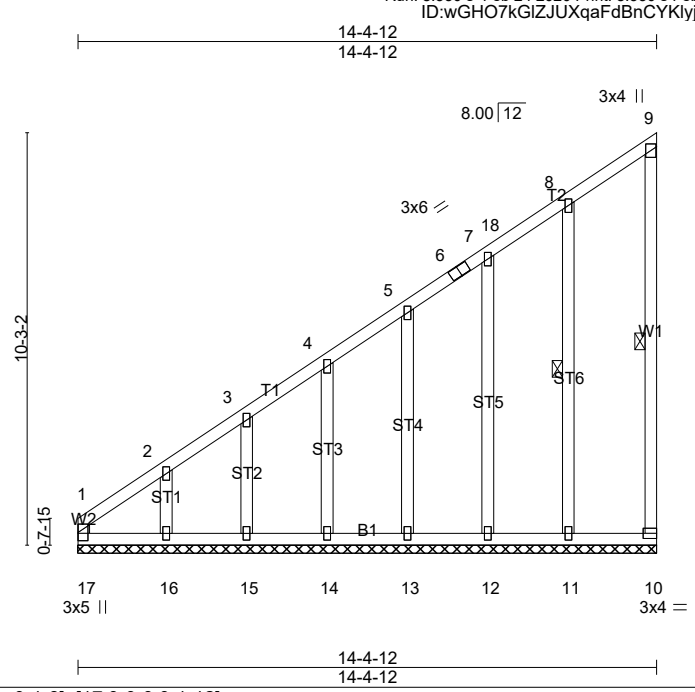

Plate Offsets (X,Y)-- [1:0-1-3,0-1-12], [10:Edge,0-1-8], [17:0-0-0,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.00	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-R							Weight: 106 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2
OTHERS 2x4 SP No.3

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 9-10, 8-11

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

REACTIONS. (lb/size) 17=71/14-4-12 (min. 0-1-11), 10=74/14-4-12 (min. 0-1-11), 14=174/14-4-12 (min. 0-1-11), 15=166/14-4-12 (min. 0-1-11), 16=198/14-4-12 (min. 0-1-11), 13=173/14-4-12 (min. 0-1-11), 12=169/14-4-12 (min. 0-1-11), 11=192/14-4-12 (min. 0-1-11)
Max Horz 17=370(LC 13)
Max Uplift 17=-117(LC 14), 10=-74(LC 15), 14=-69(LC 16), 15=-37(LC 16), 16=-164(LC 16), 13=-65(LC 16), 12=-58(LC 16), 11=-75(LC 16)
Max Grav 17=260(LC 13), 10=111(LC 29), 14=205(LC 29), 15=192(LC 2), 16=277(LC 29), 13=200(LC 2), 12=199(LC 29), 11=265(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-17=-322/266, 1-2=-556/508, 2-3=-451/414, 3-4=-402/376, 4-5=-340/324, 5-6=-279/263, 6-7=-270/274, 7-18=-227/215, 8-18=-215/235, 8-9=-139/135, 9-10=-85/49
BOT CHORD 16-17=-157/173, 15-16=-157/173, 14-15=-157/173, 13-14=-157/173, 12-13=-157/173, 11-12=-157/173, 10-11=-157/173
WEBS 4-14=-162/91, 3-15=-155/75, 2-16=-208/164, 5-13=-161/86, 7-12=-157/108, 8-11=-221/161

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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 117 lb uplift at joint 17, 74 lb uplift at joint 10, 69 lb uplift at joint 14, 37 lb uplift at joint 15, 164 lb uplift at joint 16, 65 lb uplift at joint 13, 58 lb uplift at joint 12 and 75 lb uplift at joint 11.

Continued on page 2

NOTES-

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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T01	Common	5	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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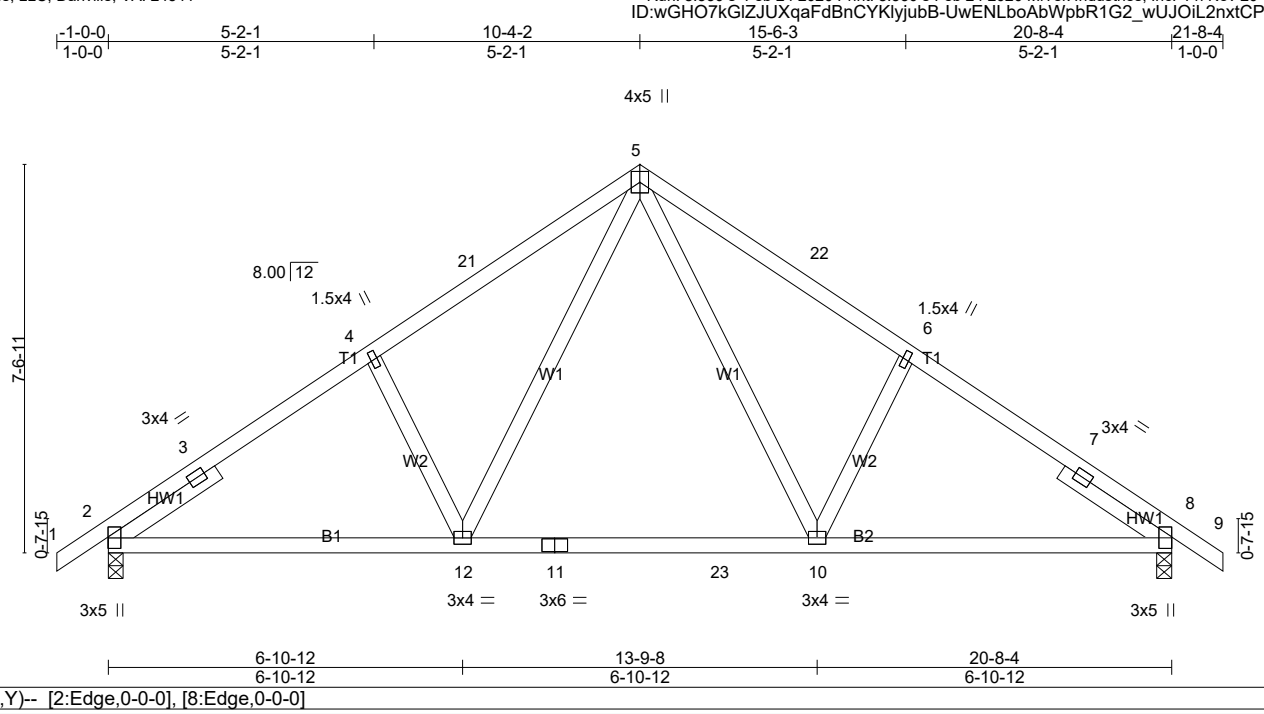

Plate Offsets (X,Y)-- [2:Edge,0-0-0], [8:Edge,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.11	10-12	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.17	10-12	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 114 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -t 2-6-0, Right 2x4 SP No.3 -t 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=958/0-3-8 (min. 0-1-8), 8=958/0-3-8 (min. 0-1-8)
Max Horz 2=-187(LC 14)
Max Uplift 2=-109(LC 16), 8=-109(LC 17)
Max Grav 2=1114(LC 2), 8=1114(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-669/40, 3-4=-1245/213, 4-21=-1260/253, 5-21=-1139/274, 5-22=-1139/273, 6-22=-1260/253, 6-7=-1244/213, 7-8=-669/40, 8-9=0/44
BOT CHORD 2-12=-141/1141, 11-12=-2/760, 11-23=-2/760, 10-23=-2/760, 8-10=-79/1090
WEBS 5-10=-119/549, 6-10=-353/204, 5-12=-119/551, 4-12=-353/204

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 2 and 109 lb uplift at joint 8.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T01GE	Common Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

Run: 8.330 s Feb 24 2020 Print: 8.330 s Feb 24 2020 MiTek Industries, Inc. Fri Nov 20 17:23:33 2020 Page 1
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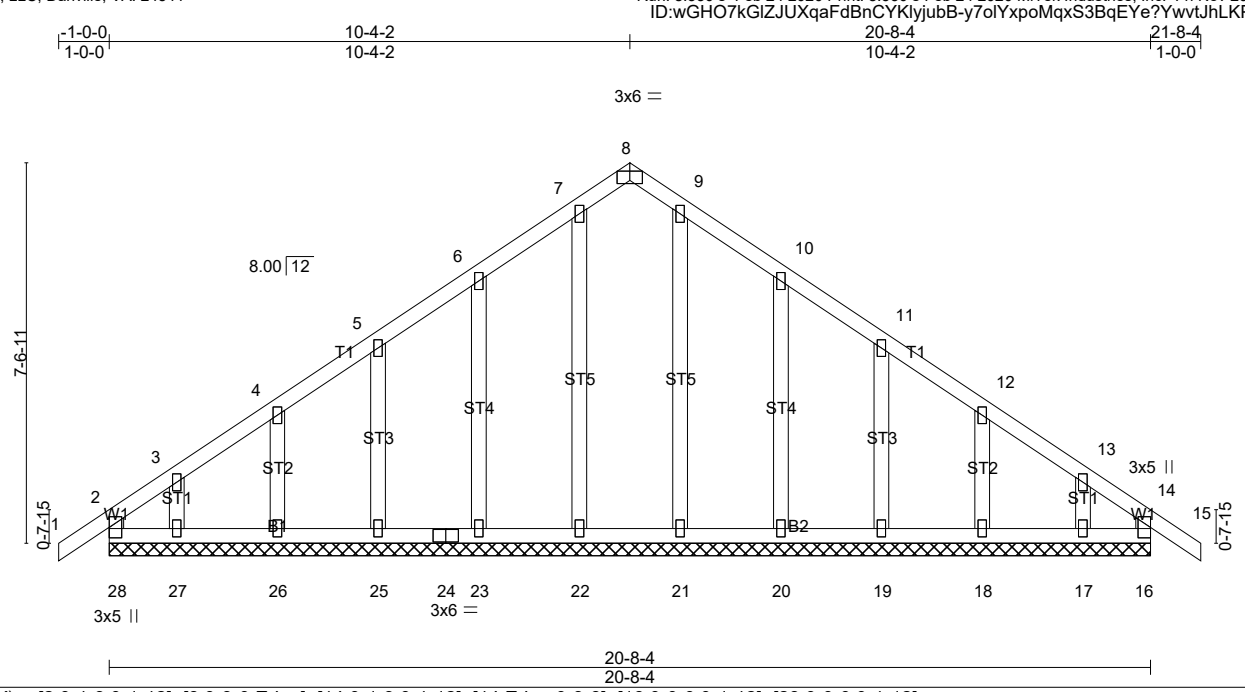

Plate Offsets (X,Y)-- [2:0-1-3,0-1-12], [8:0-3-0,Edge], [14:0-1-3,0-1-12], [14:Edge,0-3-8], [16:0-0-0,0-1-12], [28:0-0-0,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.01	15	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	15	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	16	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-R							Weight: 127 lb	FT = 20%
BCDL	10.0											

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

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. (lb/size) 28=160/20-8-4 (min. 0-2-10), 16=160/20-8-4 (min. 0-2-10), 22=167/20-8-4 (min. 0-2-10), 23=174/20-8-4 (min. 0-2-10), 25=170/20-8-4 (min. 0-2-10), 26=183/20-8-4 (min. 0-2-10), 27=102/20-8-4 (min. 0-2-10), 21=167/20-8-4 (min. 0-2-10), 20=174/20-8-4 (min. 0-2-10), 19=170/20-8-4 (min. 0-2-10), 18=183/20-8-4 (min. 0-2-10), 17=102/20-8-4 (min. 0-2-10)
Max Horz 28=-203(LC 14)
Max Uplift 28=-61(LC 12), 16=-28(LC 13), 23=-82(LC 16), 25=-62(LC 16), 26=-57(LC 16), 27=-122(LC 16), 20=-85(LC 17), 19=-61(LC 17), 18=-58(LC 17), 17=-113(LC 17)
Max Grav 28=211(LC 31), 16=192(LC 33), 22=211(LC 23), 23=204(LC 23), 25=198(LC 30), 26=213(LC 2), 27=164(LC 30), 21=211(LC 24), 20=206(LC 31), 19=197(LC 31), 18=213(LC 2), 17=152(LC 31)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-28=-179/64, 1-2=0/51, 2-3=-203/133, 3-4=-136/109, 4-5=-106/87, 5-6=-91/74, 6-7=-111/119, 7-8=-108/108, 8-9=-108/108, 9-10=-112/114, 10-11=-62/53, 11-12=-76/56, 12-13=-115/77, 13-14=-179/133, 14-15=0/51, 14-16=-170/72
BOT CHORD 27-28=-122/166, 26-27=-122/166, 25-26=-122/166, 24-25=-122/166, 23-24=-122/166, 22-23=-122/166, 21-22=-122/166, 20-21=-122/166, 19-20=-122/166, 18-19=-122/166, 17-18=-122/166, 16-17=-122/166
WEBS 7-22=-171/18, 6-23=-164/106, 5-25=-159/84, 4-26=-170/87, 3-27=-138/107, 9-21=-171/0, 10-20=-165/109, 11-19=-158/84, 12-18=-170/88, 13-17=-141/102

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

NOTES-

12) * 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.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 28, 28 lb uplift at joint 16, 82 lb uplift at joint 23, 62 lb uplift at joint 25, 57 lb uplift at joint 26, 122 lb uplift at joint 27, 85 lb uplift at joint 20, 61 lb uplift at joint 19, 58 lb uplift at joint 18 and 113 lb uplift at joint 17.
14) 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T01SGE	Common Structural Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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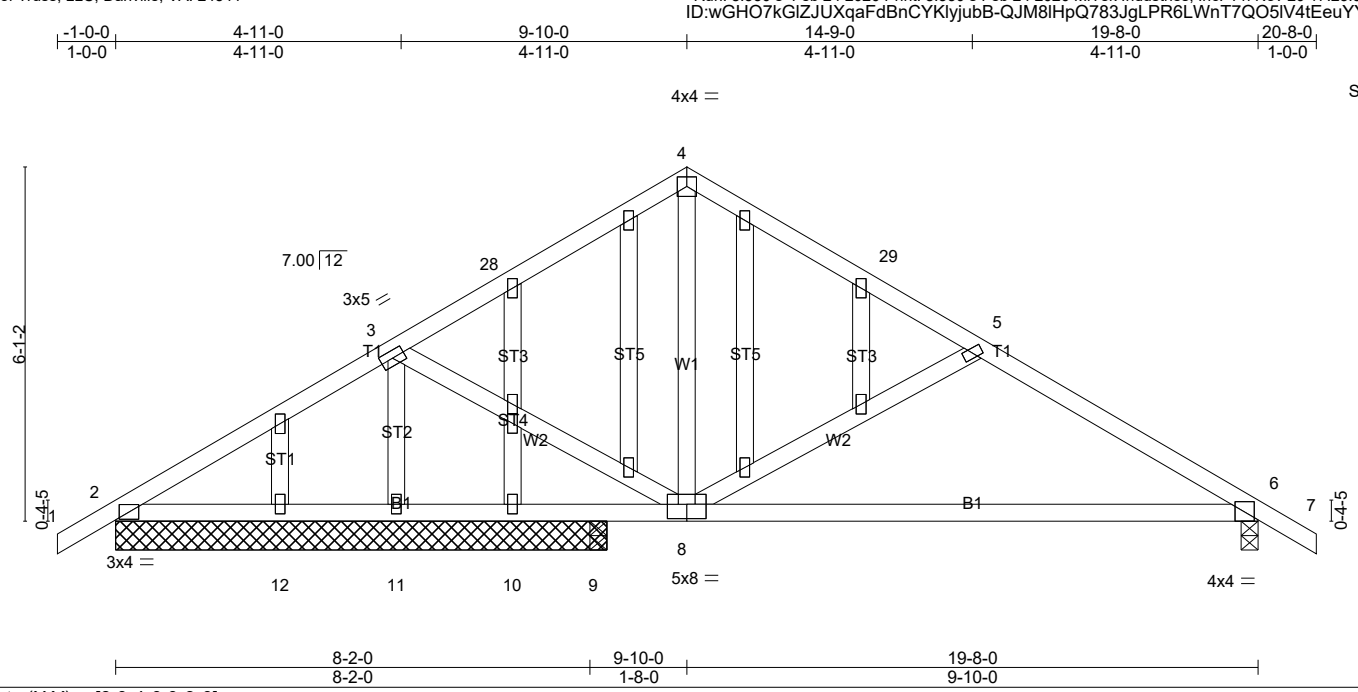

Plate Offsets (X,Y)-- [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.18	8-27	>743	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.40	8-27	>343	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.03	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 119 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=750/8-5-8 (min. 0-1-8), 10=-106/8-5-8 (min. 0-1-8), 11=43/8-5-8 (min. 0-1-8), 12=103/8-5-8 (min. 0-1-8), 6=843/0-3-8 (min. 0-1-8), 9=194/0-3-8 (min. 0-1-8), 2=750/8-5-8 (min. 0-1-8)
Max Horz 2=156(LC 15)
Max Uplift 2=-109(LC 16), 10=-135(LC 2), 6=-99(LC 17), 9=-104(LC 16)
Max Grav 2=880(LC 2), 10=59(LC 16), 11=75(LC 7), 12=124(LC 7), 6=979(LC 2), 9=245(LC 2), 2=750(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1318/212, 3-28=-939/128, 4-28=-830/146, 4-29=-830/145, 5-29=-944/127, 5-6=-1340/205, 6-7=0/40
BOT CHORD 2-12=-148/1070, 11-12=-148/1070, 10-11=-148/1070, 9-10=-148/1070, 8-9=-148/1070, 6-8=-92/1129
WEBS 4-8=-16/497, 5-8=-483/197, 3-8=-420/211

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
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 109 lb uplift at joint 2, 135 lb uplift at joint 10, 99 lb uplift at joint 6, 104 lb uplift at joint 9 and 109 lb uplift at joint 2.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T02	Common	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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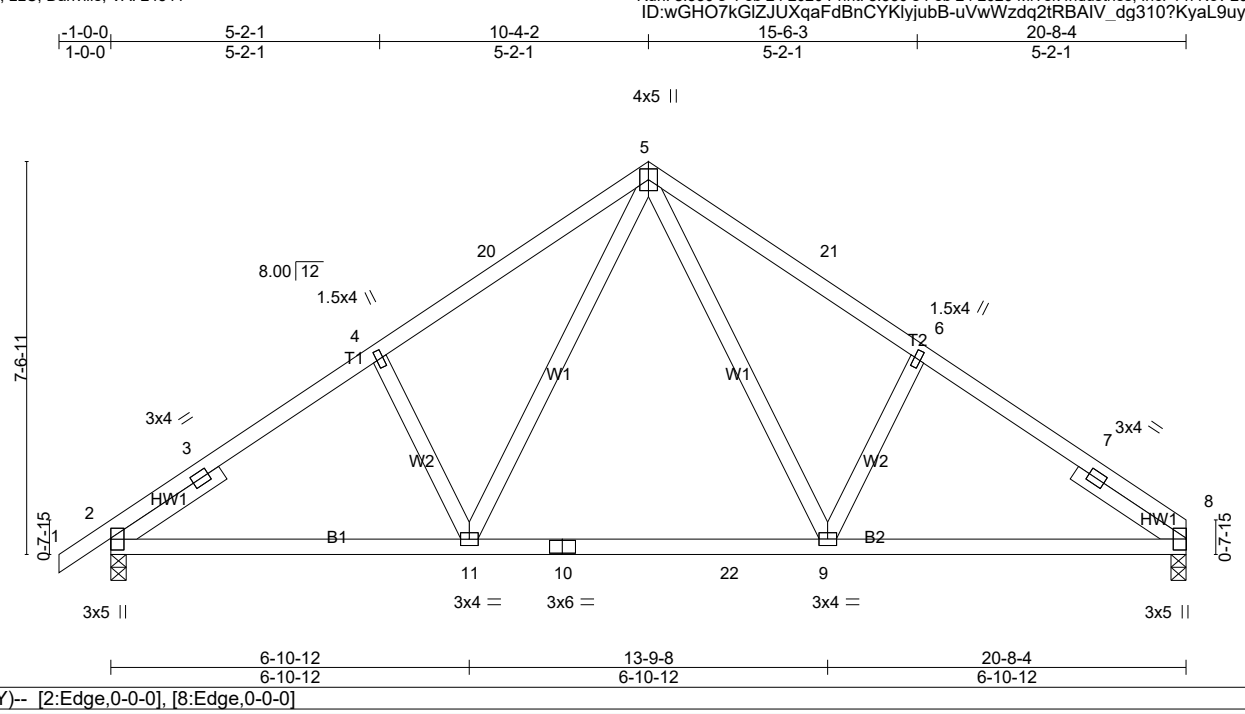

Plate Offsets (X,Y)-- [2:Edge,0-0-0], [8:Edge,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.11	9-11	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.17	9-11	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 112 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -t 2-6-0, Right 2x4 SP No.3 -t 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-1 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) 8=890/0-3-8 (min. 0-1-8), 2=959/0-3-8 (min. 0-1-8)
Max Horz 2=181(LC 13)
Max Uplift 8=-87(LC 17), 2=-109(LC 16)
Max Grav 8=1032(LC 2), 2=1116(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-671/41, 3-4=-1248/215, 4-20=-1263/256, 5-20=-1142/275, 5-21=-1147/276, 6-21=-1269/256, 6-7=-1242/216, 7-8=-722/58
BOT CHORD 2-11=-152/1135, 10-11=-13/754, 10-22=-13/754, 9-22=-13/754, 8-9=-103/1099
WEBS 5-9=-121/557, 6-9=-359/206, 5-11=-119/550, 4-11=-353/204

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 8 and 109 lb uplift at joint 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T02GE	Common Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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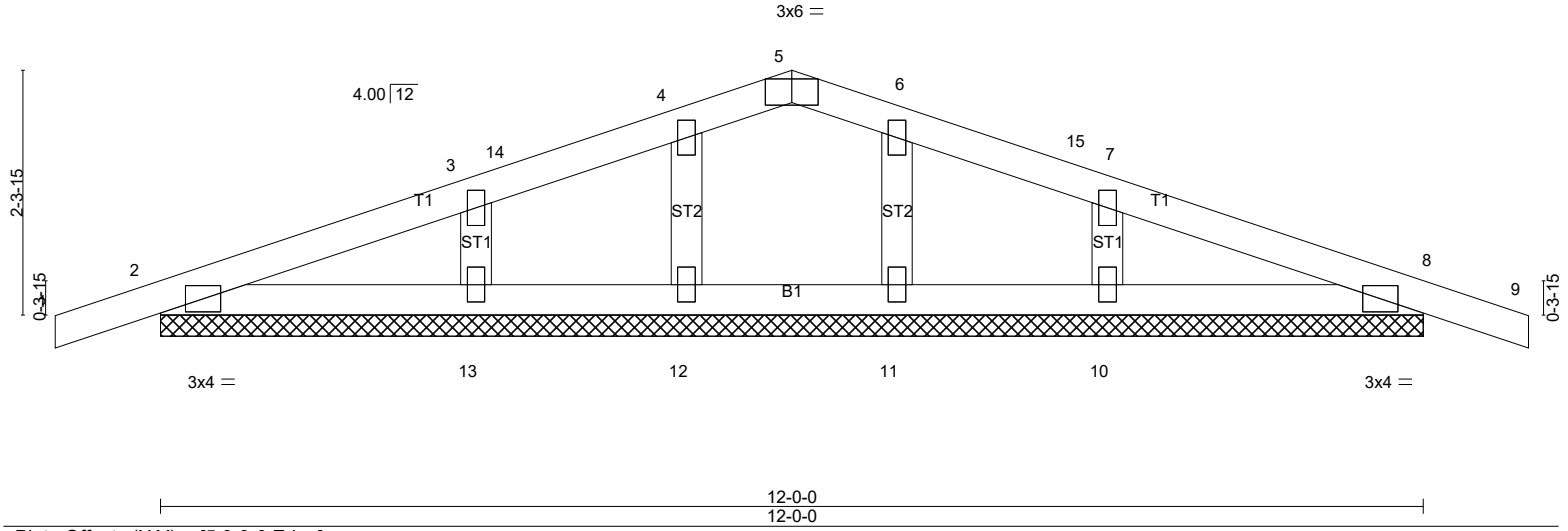

12-0-0
12-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	0.00	8	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	9	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 47 lb	FT = 20%
BCDL	10.0											

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

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. (lb/size) 2=194/12-0-0 (min. 0-1-10), 8=194/12-0-0 (min. 0-1-10), 12=145/12-0-0 (min. 0-1-10), 13=244/12-0-0 (min. 0-1-10), 11=145/12-0-0 (min. 0-1-10), 10=244/12-0-0 (min. 0-1-10)
Max Horz 2=39(LC 20)
Max Uplift 2=-59(LC 12), 8=-63(LC 13), 12=-17(LC 12), 13=-55(LC 16), 11=-13(LC 13), 10=-56(LC 17)
Max Grav 2=230(LC 2), 8=230(LC 2), 12=168(LC 2), 13=285(LC 34), 11=168(LC 2), 10=285(LC 35)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-69/25, 3-14=-60/43, 4-14=-50/50, 4-5=-52/68, 5-6=-52/68, 6-15=-50/49, 7-15=-60/42, 7-8=-68/21, 8-9=0/23
BOT CHORD 2-13=-4/46, 12-13=-4/46, 11-12=-4/46, 10-11=-4/46, 8-10=-4/46
WEBS 4-12=-135/49, 3-13=-221/115, 6-11=-135/48, 7-10=-221/115

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
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 59 lb uplift at joint 2, 63 lb uplift at joint 8, 17 lb uplift at joint 12, 55 lb uplift at joint 13, 13 lb uplift at joint 11 and 56 lb uplift at joint 10.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T03	FLAT GIRDER	1	4	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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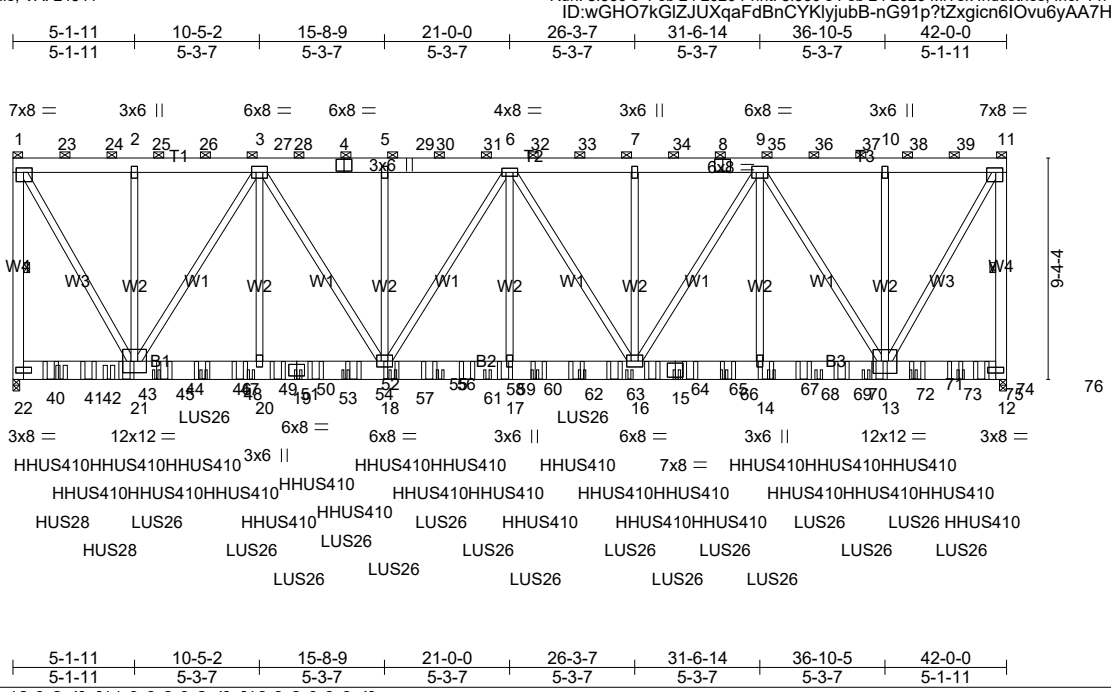

Plate Offsets (X,Y)-- [1:0-3-12,0-2-4], [11:0-3-8,0-2-4], [13:0-6-0,0-6-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.19	17	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.33	17	>999	240		
TCDL	15.0	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.08	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 2104 lb	FT = 20%
BCDL	15.0											

LUMBER-
TOP CHORD 2x8 SP DSS
BOT CHORD 2x10 SP No.2 *Except*
B2: 2x10 SP No.1
WEBS 2x4 SP DSS *Except*
W4: 2x6 SP No.2, W2: 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-11, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-22, 11-12

REACTIONS. (lb/size) 22=16148/0-3-8 (min. 0-2-1), 12=16410/0-3-8 (min. 0-2-2)
Max Horz 22=313(LC 15)
Max Uplift 22=-2642(LC 12), 12=-2641(LC 13)
Max Grav 22=17828(LC 3), 12=18178(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-22=-16877/2525, 1-23=-9275/1424, 23-24=-9275/1424, 2-24=-9275/1424, 2-25=-9275/1424, 25-26=-9275/1424, 26-27=-9275/1424, 3-27=-9275/1424, 3-28=-20827/3007, 4-28=-20827/3007, 4-5=-20827/3007, 5-29=-20827/3007, 29-30=-20827/3007, 30-31=-20827/3007, 6-31=-20827/3007, 6-32=-20905/3013, 32-33=-20905/3013, 7-33=-20905/3013, 7-34=-20905/3013, 8-34=-20905/3013, 8-9=-20905/3013, 9-35=-9358/1434, 35-36=-9358/1434, 36-37=-9358/1434, 10-37=-9358/1434, 10-38=-9358/1434, 38-39=-9358/1434, 11-39=-9358/1434, 11-12=-17084/2524
BOT CHORD 22-40=-325/369, 40-41=-325/369, 41-42=-325/369, 42-43=-325/369, 43-44=-325/369, 44-45=-325/369, 21-45=-325/369, 21-46=-2556/16503, 46-47=-2556/16503, 47-48=-2556/16503, 48-49=-2556/16503, 49-50=-2556/16503, 50-51=-2556/16503, 20-51=-2556/16503, 20-52=-2556/16503, 19-52=-2556/16503, 19-53=-2556/16503, 53-54=-2556/16503, 54-55=-2556/16503, 55-56=-2556/16503, 18-56=-2556/16503, 18-57=-3315/22239, 57-58=-3315/22239, 58-59=-3315/22239, 59-60=-3315/22239, 60-61=-3315/22239, 17-61=-3315/22239, 17-62=-3315/22239, 62-63=-3315/22239, 63-64=-3315/22239, 16-64=-3315/22239, 16-65=-2465/16601, 15-65=-2465/16601, 15-66=-2465/16601, 66-67=-2465/16601, 14-67=-2465/16601, 14-68=-2465/16601, 68-69=-2465/16601, 69-70=-2465/16601, 70-71=-2465/16601, 71-72=-2465/16601, 13-72=-2465/16601, 13-73=-127/171, 73-74=-127/171, 74-75=-127/171, 75-76=-127/171, 12-76=-127/171
WEBS 1-21=-2689/18636, 2-21=-2136/238, 3-21=-13881/2010, 3-20=-399/2617, 3-18=-1228/8303, 5-18=-2025/212, 6-18=-2712/425, 6-17=-356/2348, 6-16=-2562/408, 7-16=-2150/220, 9-16=-1223/8265, 9-14=-399/2547, 9-13=-13909/2009, 10-13=-2252/244, 11-13=-2710/18798

NOTES-
1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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

Continued on page 2

NOTES-

4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
5) Unbalanced snow loads have been considered for this design.
6) Provide adequate drainage to prevent water ponding.
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 = 15.0psf.
9) Bearing at joint(s) 22, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2642 lb uplift at joint 22 and 2641 lb uplift at joint 12.
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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use Simpson Strong-Tie HHUS410 (30-10d Girder, 10-10d Truss, Single Ply Girder) or equivalent spaced at 1-7-3 oc max. starting at 1-7-3 from the left end to 40-11-2 to connect truss(es) F11 (1 ply 2x4 SP), F12 (1 ply 2x4 SP), F13 (1 ply 2x4 SP), F12 (1 ply 2x4 SP) to front face of bottom chord.
14) Use Simpson Strong-Tie HUS28 (22-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 4-0-12 to connect truss(es) T05 (1 ply 2x4 SP) to back face of bottom chord.
15) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-0-12 from the left end to 40-0-12 to connect truss(es) T05 (1 ply 2x4 SP), T06 (1 ply 2x4 SP), T05 (1 ply 2x4 SP), T06 (1 ply 2x4 SP) to back face of bottom chord.
16) Fill all nail holes where hanger is in contact with lumber.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 173 lb down and 130 lb up at 0-2-12, 689 lb down and 106 lb up at 2-0-12 , 689 lb down and 106 lb up at 4-0-12, 689 lb down and 106 lb up at 6-0-12, 689 lb down and 106 lb up at 8-0-12, 689 lb down and 106 lb up at 10-0-12, 689 lb down and 106 lb up at 12-0-12, 689 lb down and 106 lb up at 14-0-12, 689 lb down and 106 lb up at 16-0-12, 689 lb down and 106 lb up at 18-0-12, 689 lb down and 106 lb up at 20-0-12, 689 lb down and 106 lb up at 22-0-12, 733 lb down and 108 lb up at 24-0-12, 733 lb down and 108 lb up at 26-0-12, 733 lb down and 108 lb up at 28-0-12, 733 lb down and 108 lb up at 30-0-12, 733 lb down and 108 lb up at 32-0-12, 733 lb down and 108 lb up at 34-0-12, 733 lb down and 108 lb up at 36-0-12, 733 lb down and 108 lb up at 38-0-12, and 733 lb down and 108 lb up at 40-0-12, and 177 lb down and 103 lb up at 41-9-4 on top 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: 1-11=-76, 12-22=-30
   Concentrated Loads (lb)
      Vert: 1=-3 4=-595 11=-10 19=-697(B) 18=-77(F) 17=-77(F) 7=-633 16=-697(B) 14=-77(F) 13=-77(F) 8=-633 15=-697(B) 23=-595 24=-595 25=-595 26=-595 27=-595 28=-595 29=-595 30=-595 31=-595 32=-595 33=-633 34=-633 35=-633 36=-633 37=-633 38=-633 39=-633 40=-77(F) 41=-697(B) 43=-77(F) 44=-697(B) 45=-77(F) 46=-697(B) 47=-77(F) 49=-775(F=-77, B=-697) 50=-77(F) 51=-697(B) 52=-77(F) 53=-77(F) 55=-697(B) 56=-77(F) 57=-697(B) 58=-77(F) 59=-697(B) 60=-77(F) 61=-697(B) 62=-766(F=-77, B=-689) 63=-766(F=-77, B=-689) 64=-77(F) 65=-77(F) 66=-77(F) 67=-766(F=-77, B=-689) 68=-689(B) 69=-77(F) 70=-689(B) 71=-77(F) 72=-689(B) 73=-766(F=-77, B=-689) 75=-766(F=-77, B=-689) 76=-77(F)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T03GE	Common Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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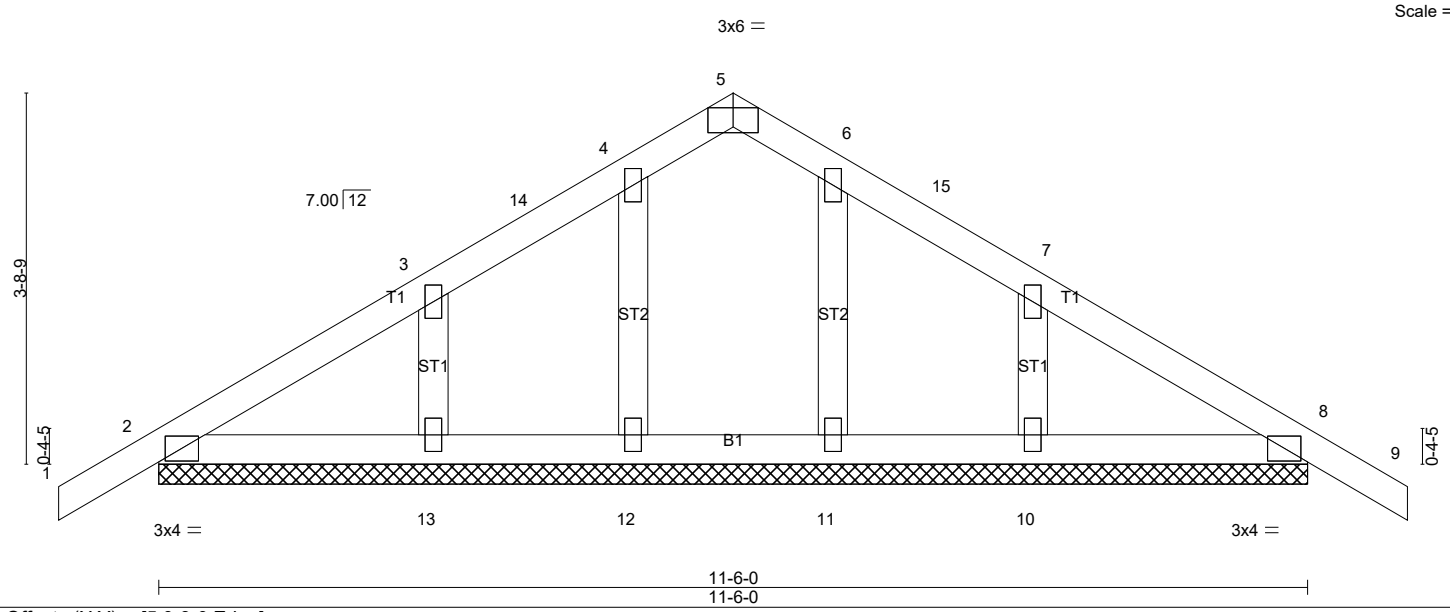

11-6-0 / 11-6-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	8	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	8	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S							Weight: 53 lb	FT = 20%
BCDL	10.0											

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

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. (lb/size) 2=193/11-6-0 (min. 0-1-9), 8=193/11-6-0 (min. 0-1-9), 12=142/11-6-0 (min. 0-1-9), 13=226/11-6-0 (min. 0-1-9), 11=142/11-6-0 (min. 0-1-9), 10=226/11-6-0 (min. 0-1-9)
Max Horz 2=-97(LC 14)
Max Uplift 2=-5(LC 16), 8=-12(LC 17), 12=-18(LC 16), 13=-78(LC 16), 11=-10(LC 17), 10=-79(LC 17)
Max Grav 2=229(LC 2), 8=229(LC 2), 12=164(LC 2), 13=263(LC 34), 11=164(LC 2), 10=263(LC 31)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-112/55, 3-14=-87/31, 4-14=-49/40, 4-5=-67/54, 5-6=-67/55, 6-15=-36/31, 7-15=-82/21, 7-8=-102/48, 8-9=0/38
BOT CHORD 2-13=-58/100, 12-13=-58/100, 11-12=-58/100, 10-11=-58/100, 8-10=-58/100
WEBS 4-12=-129/41, 3-13=-205/109, 6-11=-129/33, 7-10=-205/109

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
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 5 lb uplift at joint 2, 12 lb uplift at joint 8, 18 lb uplift at joint 12, 78 lb uplift at joint 13, 10 lb uplift at joint 11 and 79 lb uplift at joint 10.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T04	Common	6	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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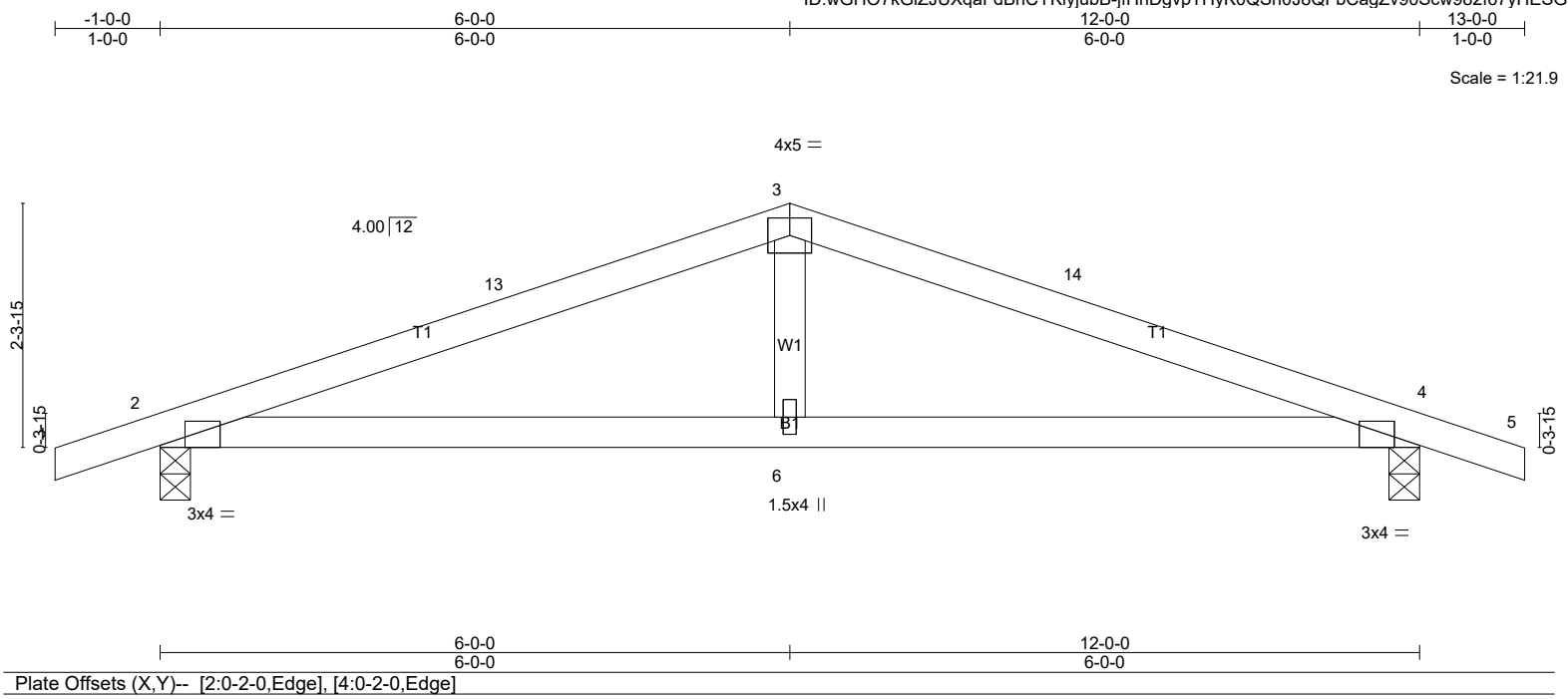

Plate Offsets (X,Y)-- [2:0-2-0,Edge], [4:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.07	6-9	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.12	6-9	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.02	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 43 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-14 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=583/0-3-8 (min. 0-1-8), 4=583/0-3-8 (min. 0-1-8)
Max Horz 2=39(LC 20)
Max Uplift2=-108(LC 12), 4=-108(LC 13)
Max Grav 2=680(LC 2), 4=680(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-13=-1123/251, 3-13=-1059/261, 3-14=-1059/261, 4-14=-1123/251, 4-5=0/25
BOT CHORD 2-6=-170/1009, 4-6=-170/1009
WEBS 3-6=0/276

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 2 and 108 lb uplift at joint 4.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T04GE	GABLE	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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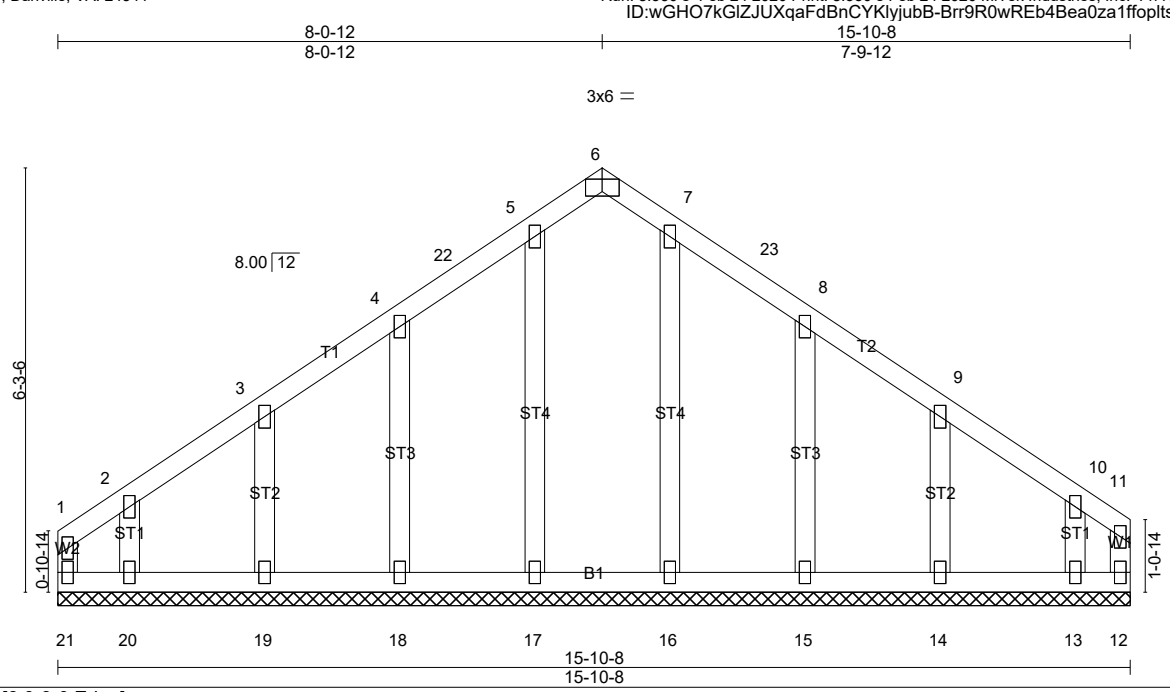

Plate Offsets (X,Y)-- [6:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-R							Weight: 91 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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) 21=35/15-10-8 (min. 0-1-13), 12=23/15-10-8 (min. 0-1-13), 17=163/15-10-8 (min. 0-1-13), 18=172/15-10-8 (min. 0-1-13), 19=179/15-10-8 (min. 0-1-13), 20=133/15-10-8 (min. 0-1-13), 16=163/15-10-8 (min. 0-1-13), 15=172/15-10-8 (min. 0-1-13), 14=179/15-10-8 (min. 0-1-13), 13=124/15-10-8 (min. 0-1-13)
Max Horz 21=157(LC 13)
Max Uplift 21=-111(LC 14), 12=-116(LC 15), 18=-85(LC 16), 19=-53(LC 16), 20=-147(LC 16), 15=-86(LC 17), 14=-56(LC 17), 13=-174(LC 17)
Max Grav 21=152(LC 13), 12=176(LC 17), 17=189(LC 29), 18=202(LC 33), 19=207(LC 2), 20=218(LC 29), 16=190(LC 23), 15=205(LC 30), 14=207(LC 2), 13=215(LC 30)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-21=-101/75, 1-2=-143/114, 2-3=-106/80, 3-4=-96/69, 4-22=-109/110, 5-22=-95/116, 5-6=-107/110, 6-7=-107/110, 7-23=-95/116, 8-23=-109/110, 8-9=-73/54, 9-10=-85/55, 10-11=-136/84, 11-12=-113/68
BOT CHORD	20-21=-70/86, 19-20=-70/86, 18-19=-70/86, 17-18=-70/86, 16-17=-70/86, 15-16=-70/86, 14-15=-70/86, 13-14=-70/86, 12-13=-70/86
WEBS	5-17=-149/17, 4-18=-163/107, 3-19=-165/83, 2-20=-156/116, 7-16=-150/0, 8-15=-165/109, 9-14=-165/85, 10-13=-153/127

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
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 111 lb uplift at joint 21, 116 lb uplift at joint 12, 85 lb uplift at joint 18, 53 lb uplift at joint 19, 147 lb uplift at joint 20, 86 lb uplift at joint 15, 56 lb uplift at joint 14 and 174 lb uplift at joint 13.

Continued on page 2

NOTES-

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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T05	Common	12	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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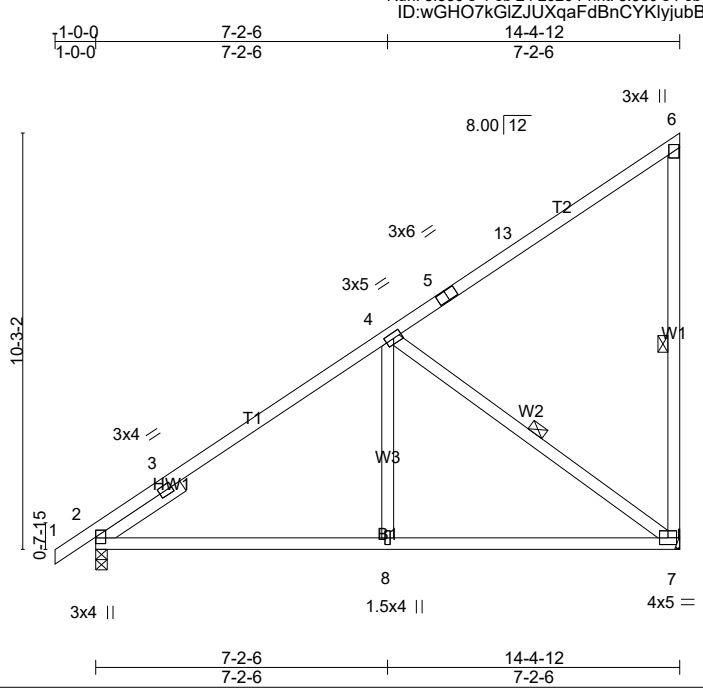

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	0.07	8-11	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.12	7-8	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	2	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-MS								
BCDL	10.0										Weight: 87 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	W1: 2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-11-7 oc bracing.
WEBS	1 Row at midpt 6-7, 4-7

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

REACTIONS. (lb/size) 2=683/0-3-8 (min. 0-1-8), 7=612/Mechanical
Max Horz 2=378(LC 15)
Max Uplift2=-59(LC 16), 7=-171(LC 16)
Max Grav 2=795(LC 2), 7=737(LC 30)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-414/0, 3-4=-597/136, 4-5=-289/154, 5-13=-204/182, 6-13=-195/217, 6-7=-279/173
BOT CHORD 2-8=-305/642, 7-8=-305/642
WEBS 4-8=0/325, 4-7=-733/249

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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 59 lb uplift at joint 2 and 171 lb uplift at joint 7.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T05GE	GABLE	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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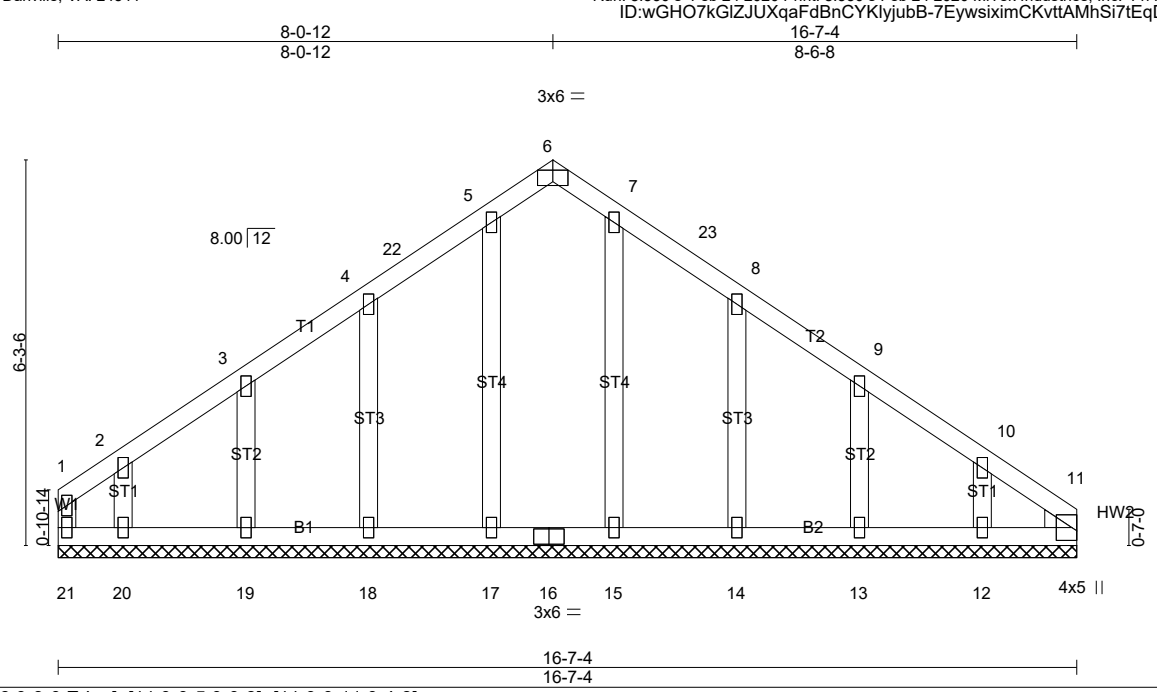

Plate Offsets (X,Y)-- [6:0-3-0,Edge], [11:0-0-5,0-0-8], [11:0-0-11,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 93 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

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) 21=42/16-7-4 (min. 0-1-15), 17=160/16-7-4 (min. 0-1-15), 18=173/16-7-4 (min. 0-1-15), 19=179/16-7-4 (min. 0-1-15), 20=130/16-7-4 (min. 0-1-15), 15=159/16-7-4 (min. 0-1-15), 14=174/16-7-4 (min. 0-1-15), 13=173/16-7-4 (min. 0-1-15), 11=63/16-7-4 (min. 0-1-15), 12=166/16-7-4 (min. 0-1-15)
Max Horz 21=-156(LC 12)
Max Uplift 21=-83(LC 14), 18=-84(LC 16), 19=-53(LC 16), 20=-153(LC 16), 14=-81(LC 17), 13=-60(LC 17), 11=-29(LC 15), 12=-88(LC 17)
Max Grav 21=160(LC 16), 17=192(LC 22), 18=205(LC 29), 19=207(LC 2), 20=202(LC 29), 15=187(LC 23), 14=204(LC 34), 13=201(LC 2), 11=109(LC 32), 12=205(LC 30)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-21=-108/55, 1-2=-152/92, 2-3=-98/58, 3-4=-82/42, 4-22=-93/85, 5-22=-79/92, 5-6=-96/94, 6-7=-96/94, 7-23=-79/92, 8-23=-93/86, 8-9=-92/55, 9-10=-105/73, 10-11=-162/105
BOT CHORD 20-21=-84/141, 19-20=-84/141, 18-19=-84/141, 17-18=-84/141, 16-17=-84/141, 15-16=-84/141, 14-15=-84/141, 13-14=-84/141, 12-13=-84/141, 11-12=-84/141
WEBS 5-17=-152/7, 4-18=-164/106, 3-19=-165/83, 2-20=-149/119, 7-15=-147/16, 8-14=-164/105, 9-13=-161/85, 10-12=-161/107

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
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 83 lb uplift at joint 21, 84 lb uplift at joint 18, 53 lb uplift at joint 19, 153 lb uplift at joint 20, 81 lb uplift at joint 14, 60 lb uplift at joint 13, 29 lb uplift at joint 11 and 88 lb uplift at joint 12.
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.

Continued on page 2

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T06	Common	8	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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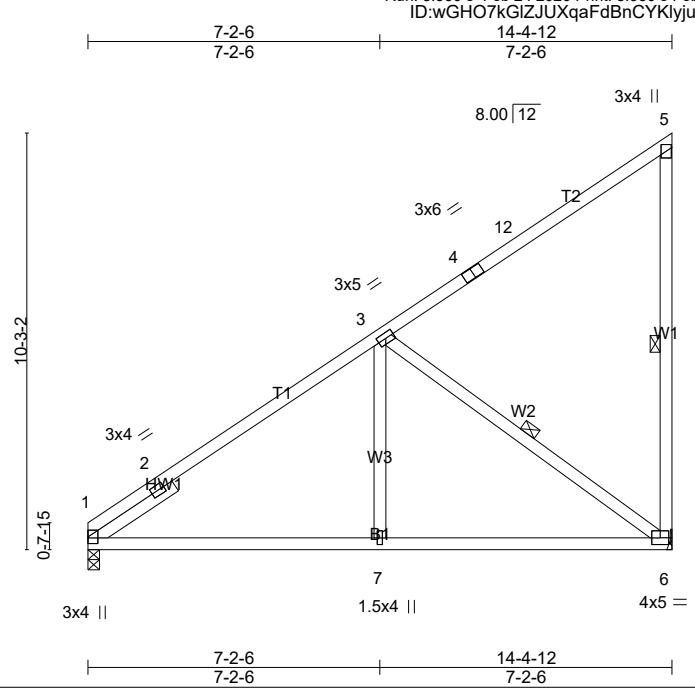

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	0.07	7-10	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.12	6-7	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	1	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-MS							Weight: 85 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	W1: 2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -t 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-11-1 oc bracing.
WEBS	1 Row at midpt 5-6, 3-6

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

REACTIONS. (lb/size) 1=614/0-3-8 (min. 0-1-8), 6=614/Mechanical
Max Horz 1=367(LC 15)
Max Uplift 1=-37(LC 16), 6=-171(LC 16)
Max Grav 1=713(LC 2), 6=739(LC 29)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-444/0, 2-3=-600/139, 3-4=-289/154, 4-12=-203/184, 5-12=-195/217, 5-6=-272/173
BOT CHORD	1-7=-306/646, 6-7=-306/646
WEBS	3-7=0/326, 3-6=-739/251

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 1 and 171 lb uplift at joint 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T07	Common	5	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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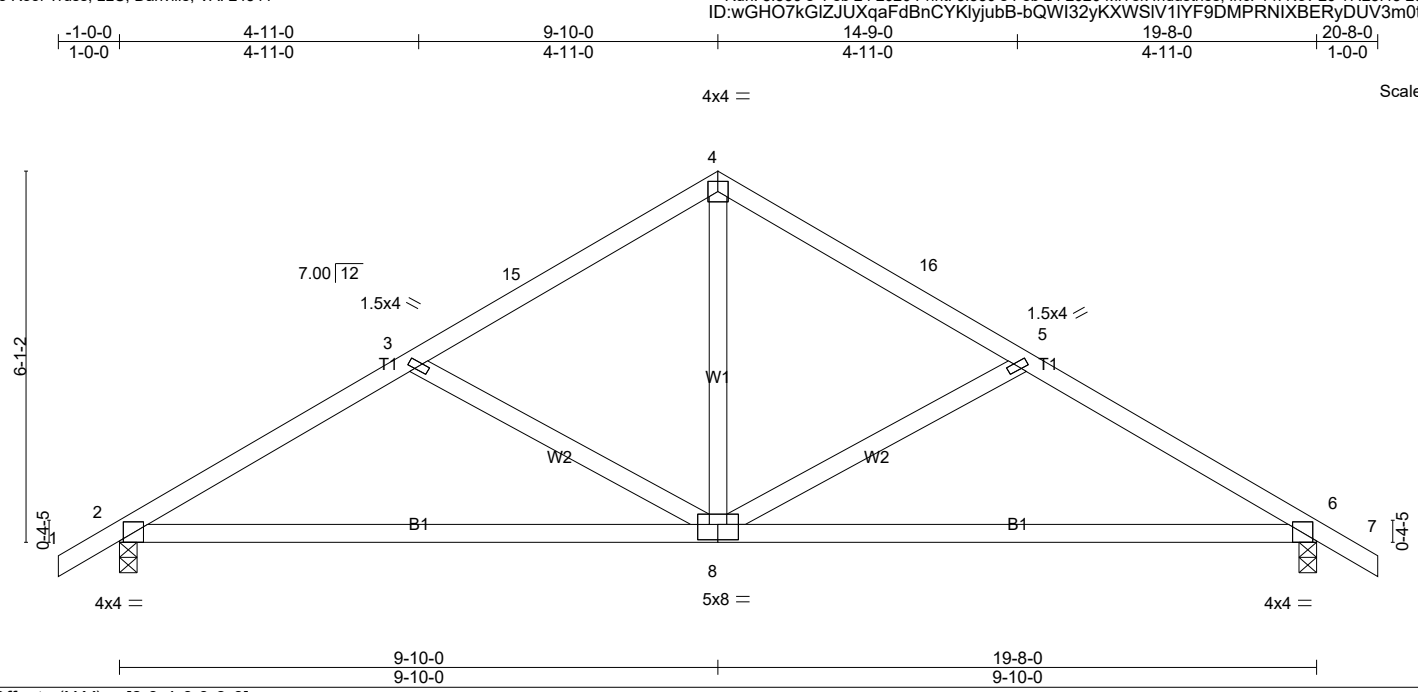

Plate Offsets (X,Y)-- [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.15	8-14	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.32	8-14	>744	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.04	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 92 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-1 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=914/0-3-8 (min. 0-1-8), 6=914/0-3-8 (min. 0-1-8)
Max Horz 2=156(LC 15)
Max Uplift2=-110(LC 16), 6=-110(LC 17)
Max Grav 2=1063(LC 2), 6=1063(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1518/242, 3-15=-1129/164, 4-15=-1016/183, 4-16=-1016/183, 5-16=-1129/164, 5-6=-1518/242, 6-7=0/40
BOT CHORD 2-8=-165/1276, 6-8=-124/1276
WEBS 4-8=-51/662, 5-8=-473/198, 3-8=-473/198

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; 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 23.1 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 2 and 110 lb uplift at joint 6.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T08	Common	11	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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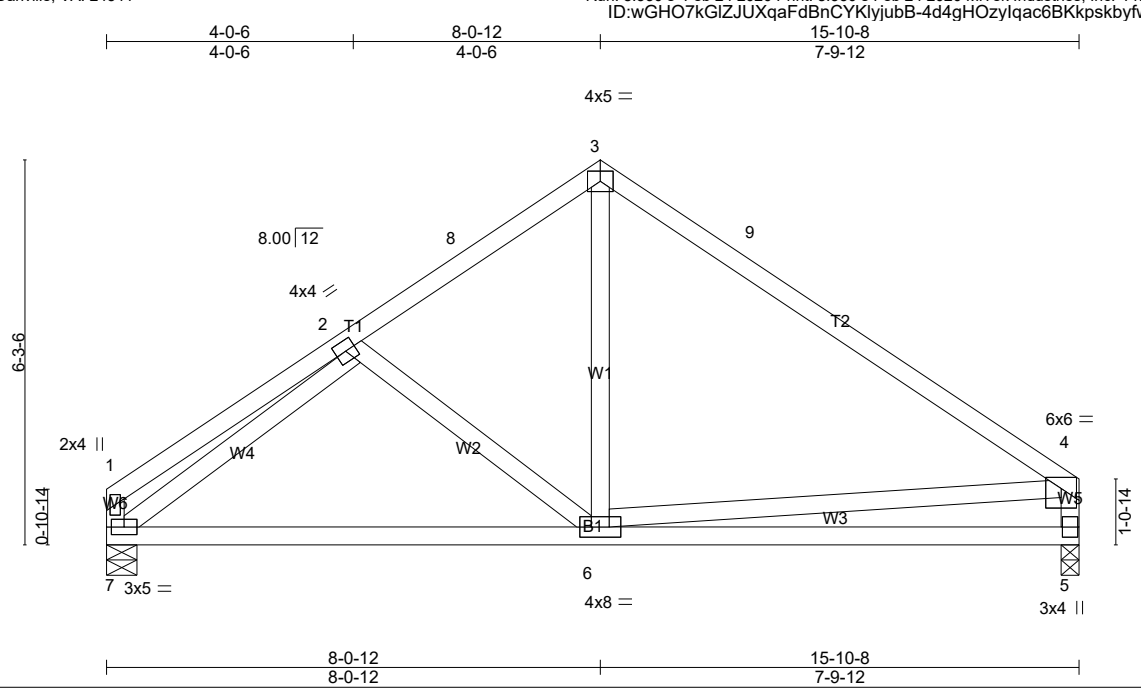

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.07	6-7	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.15	6-7	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 88 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, 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=672/0-3-8 (min. 0-1-8), 7=672/0-6-0 (min. 0-1-8)
Max Horz 7=157(LC 13)
Max Uplift5=-63(LC 17), 7=-64(LC 16)
Max Grav 5=779(LC 2), 7=779(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-288/75, 2-8=-757/136, 3-8=-591/160, 3-9=-602/129, 4-9=-848/104, 1-7=-260/77, 4-5=-710/142
BOT CHORD 6-7=-113/703, 5-6=-133/359
WEBS 2-6=-237/156, 3-6=0/352, 2-7=-695/117, 4-6=-53/271

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
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 63 lb uplift at joint 5 and 64 lb uplift at joint 7.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	T09	Common	9	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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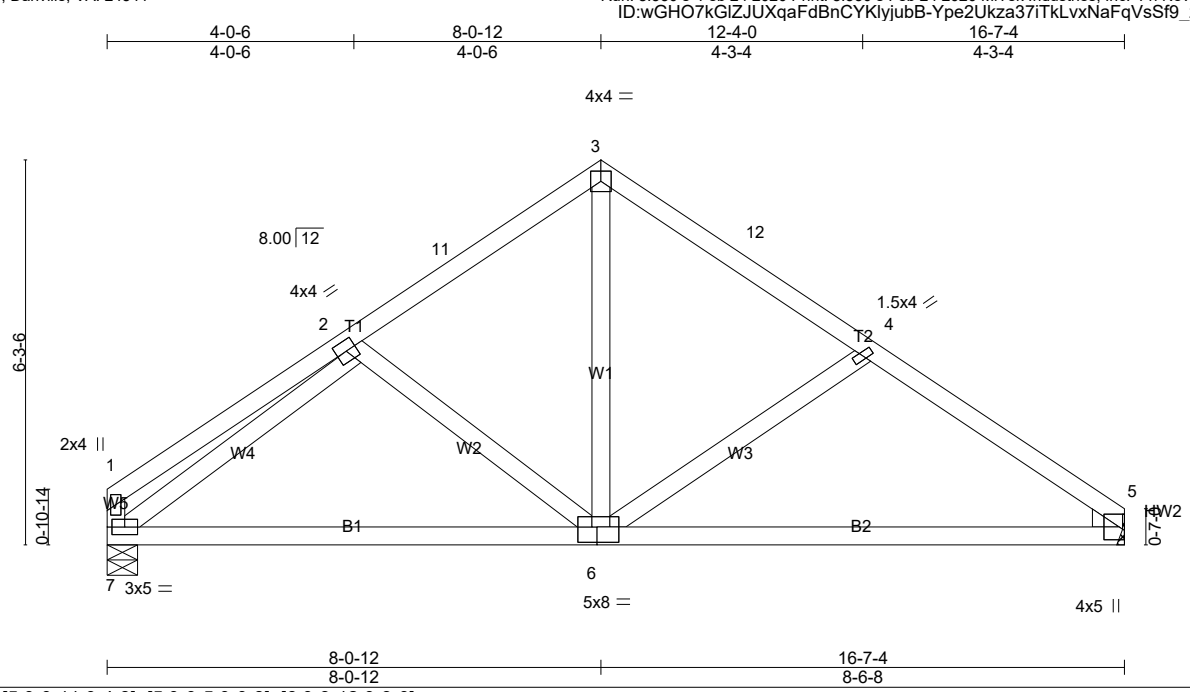

Plate Offsets (X,Y)-- [5:0-0-11,0-4-8], [5:0-0-5,0-0-8], [6:0-3-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.08	6-10	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.16	6-10	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 86 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-10 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) 7=709/0-6-0 (min. 0-1-8), 5=709/Mechanical
Max Horz 7=-153(LC 14)
Max Uplift 7=-66(LC 16), 5=-71(LC 17)
Max Grav 7=823(LC 2), 5=823(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-278/64, 2-11=-821/151, 3-11=-723/166, 3-12=-717/162, 4-12=-822/148, 4-5=-1105/190, 1-7=-248/67
BOT CHORD 6-7=-121/763, 5-6=-92/865
WEBS 2-6=-241/165, 3-6=-69/480, 4-6=-342/172, 2-7=-779/139

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
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 66 lb uplift at joint 7 and 71 lb uplift at joint 5.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V01	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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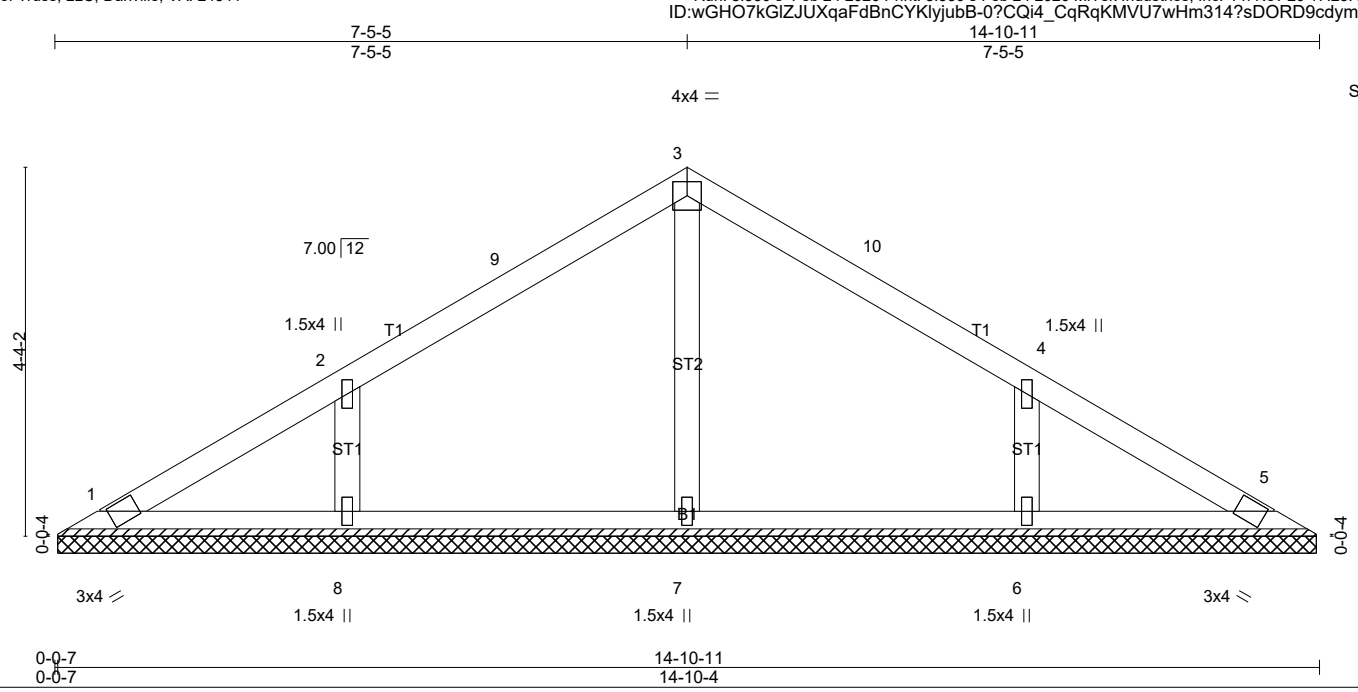

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S							Weight: 56 lb	FT = 20%
BCDL	10.0											

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

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. (lb/size) 1=104/14-9-13 (min. 0-1-10), 5=104/14-9-13 (min. 0-1-10), 7=289/14-9-13 (min. 0-1-10), 8=347/14-9-13 (min. 0-1-10), 6=347/14-9-13 (min. 0-1-10)
Max Horz 1=-100(LC 12)
Max Uplift1=-11(LC 17), 8=-120(LC 16), 6=-120(LC 17)
Max Grav 1=121(LC 2), 5=121(LC 2), 7=332(LC 2), 8=413(LC 33), 6=413(LC 34)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-111/79, 2-9=-134/83, 3-9=-81/95, 3-10=-81/89, 4-10=-131/77, 4-5=-82/50
BOT CHORD 1-8=-25/62, 7-8=-25/62, 6-7=-25/62, 5-6=-25/62
WEBS 3-7=-251/19, 2-8=-333/163, 4-6=-333/163

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1, 120 lb uplift at joint 8 and 120 lb uplift at joint 6.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V02	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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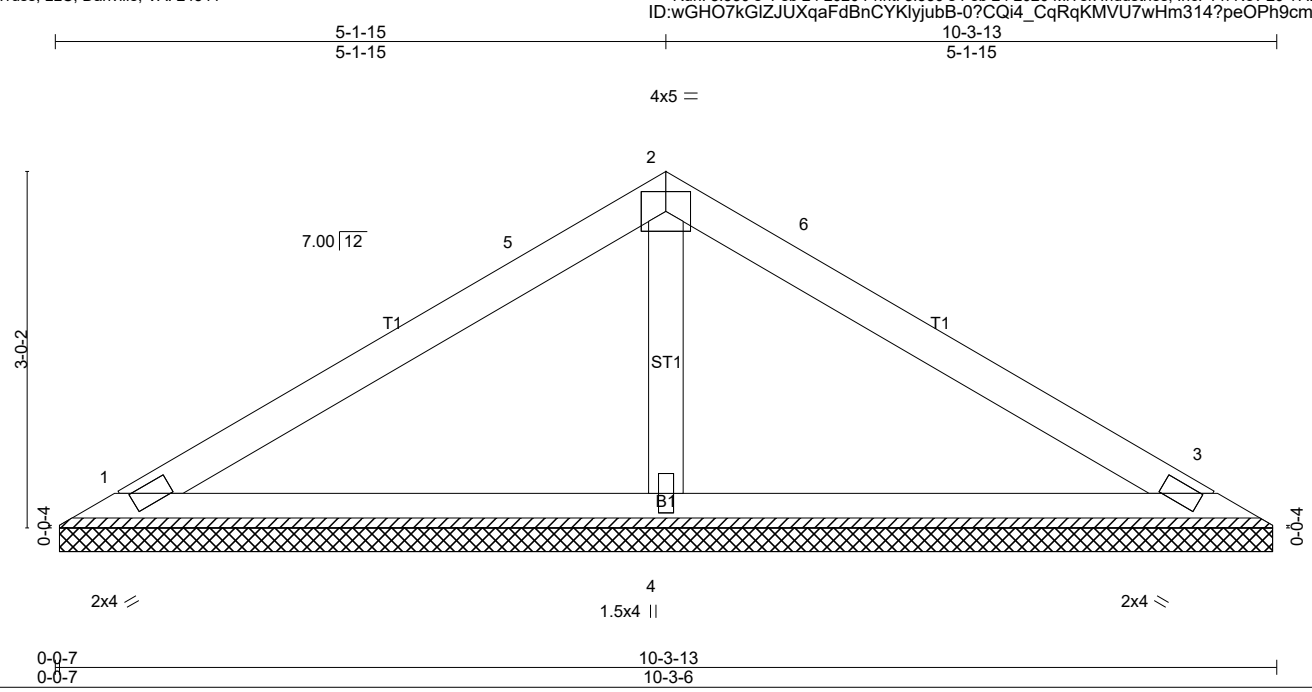

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 35 lb	FT = 20%
BCDL	10.0											

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

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. (lb/size) 1=189/10-2-15 (min. 0-1-8), 3=189/10-2-15 (min. 0-1-8), 4=418/10-2-15 (min. 0-1-8)
Max Horz 1=-67(LC 12)
Max Uplift1=-34(LC 16), 3=-43(LC 17), 4=-15(LC 16)
Max Grav 1=221(LC 2), 3=221(LC 2), 4=481(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-146/47, 2-5=-38/65, 2-6=-38/57, 3-6=-146/38
BOT CHORD 1-4=-12/59, 3-4=-12/59
WEBS 2-4=-336/94

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1, 43 lb uplift at joint 3 and 15 lb uplift at joint 4.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V03	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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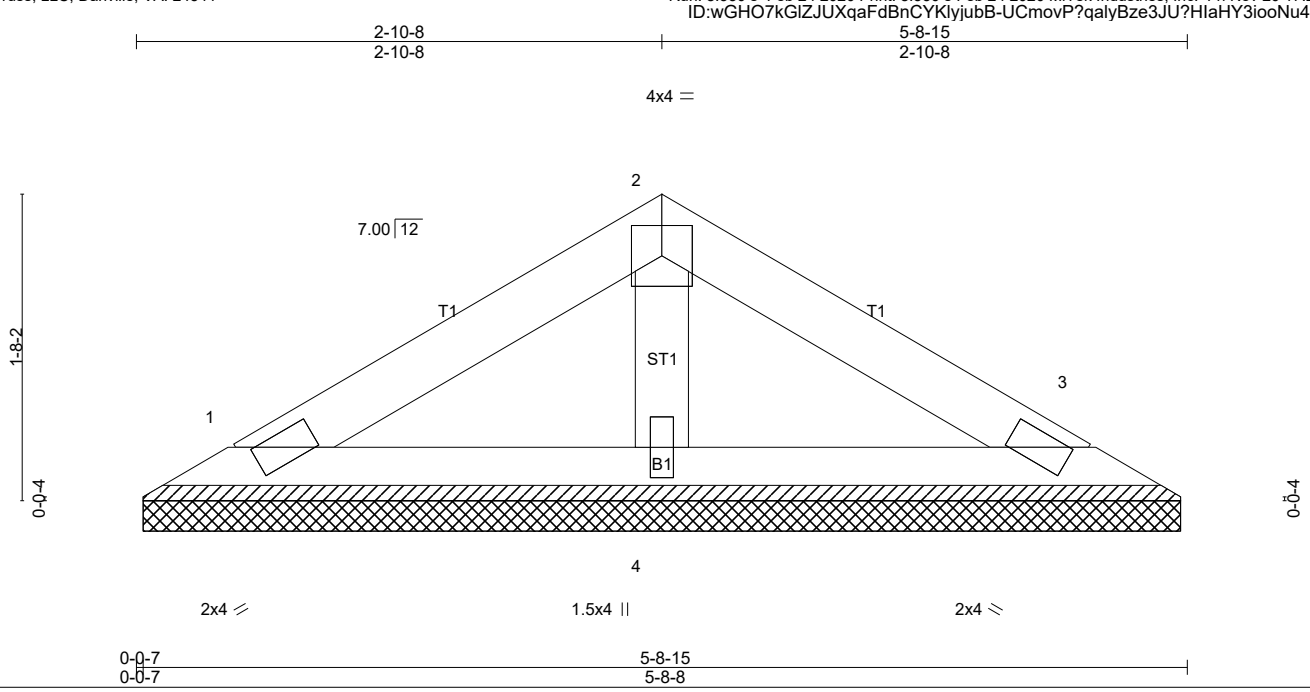

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 18 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=106/5-8-2 (min. 0-1-8), 3=106/5-8-2 (min. 0-1-8), 4=190/5-8-2 (min. 0-1-8)
Max Horz 1=-34(LC 12)
Max Uplift1=-22(LC 16), 3=-27(LC 17)
Max Grav 1=124(LC 2), 3=124(LC 2), 4=218(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-65/31, 2-3=-64/27
BOT CHORD 1-4=-6/27, 3-4=-6/27
WEBS 2-4=-160/49

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 27 lb uplift at joint 3.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V04	GABLE	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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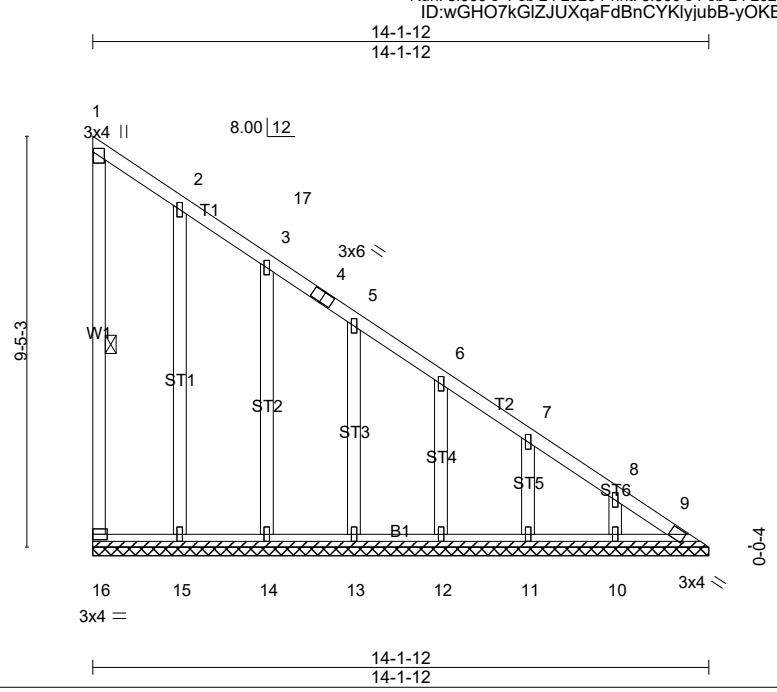

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	9	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S								
BCDL	10.0										Weight: 96 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-1-12 oc bracing.
WEBS	1 Row at midpt 1-16

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

REACTIONS. (lb/size) 16=66/14-1-12 (min. 0-1-10), 15=181/14-1-12 (min. 0-1-10), 14=172/14-1-12 (min. 0-1-10), 13=172/14-1-12 (min. 0-1-10), 12=172/14-1-12 (min. 0-1-10), 11=172/14-1-12 (min. 0-1-10), 10=176/14-1-12 (min. 0-1-10), 9=54/14-1-12 (min. 0-1-10)
Max Horz 16=-340(LC 12)
Max Uplift 16=-69(LC 14), 15=-71(LC 17), 14=-59(LC 17), 13=-66(LC 17), 12=-63(LC 17), 11=-64(LC 17), 10=-65(LC 17), 9=-73(LC 15)
Max Grav 16=99(LC 30), 15=248(LC 23), 14=202(LC 30), 13=200(LC 2), 12=201(LC 30), 11=200(LC 30), 10=204(LC 30), 9=174(LC 12)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-16=-74/43, 1-2=-126/123, 2-17=-198/216, 3-17=-210/196, 3-4=-257/258, 4-5=-264/238, 5-6=-325/309, 6-7=-385/358, 7-8=-446/408, 8-9=-502/457
BOT CHORD	15-16=-385/432, 14-15=-385/432, 13-14=-385/432, 12-13=-385/432, 11-12=-385/432, 10-11=-385/432, 9-10=-385/432
WEBS	2-15=-206/150, 3-14=-160/105, 5-13=-161/87, 6-12=-160/88, 7-11=-161/88, 8-10=-159/86

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 16, 71 lb uplift at joint 15, 59 lb uplift at joint 14, 66 lb uplift at joint 13, 63 lb uplift at joint 12, 64 lb uplift at joint 11, 65 lb uplift at joint 10 and 73 lb uplift at joint 9.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V05	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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11-1-12
11-1-12

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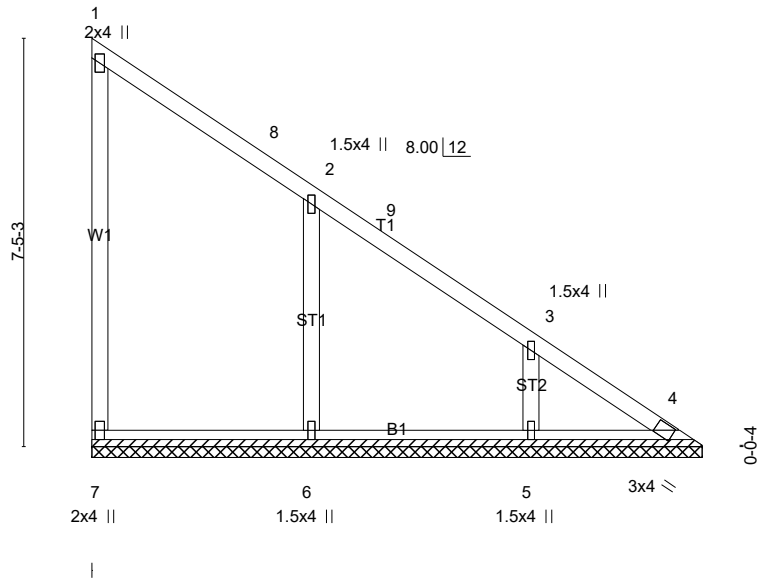

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 54 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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) 7=135/11-1-6 (min. 0-1-8), 4=82/11-1-6 (min. 0-1-8), 6=378/11-1-6 (min. 0-1-8), 5=312/11-1-6 (min. 0-1-8)
Max Horz 7=-264(LC 12)
Max Uplift 7=-50(LC 12), 4=-34(LC 13), 6=-82(LC 17), 5=-119(LC 17)
Max Grav 7=226(LC 30), 4=159(LC 29), 6=509(LC 30), 5=362(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-144/106, 1-8=-130/145, 2-8=-175/111, 2-9=-267/277, 3-9=-291/253, 3-4=-392/359
BOT CHORD 6-7=-304/347, 5-6=-304/347, 4-5=-304/347
WEBS 2-6=-357/212, 3-5=-285/165

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 7, 34 lb uplift at joint 4, 82 lb uplift at joint 6 and 119 lb uplift at joint 5.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V06	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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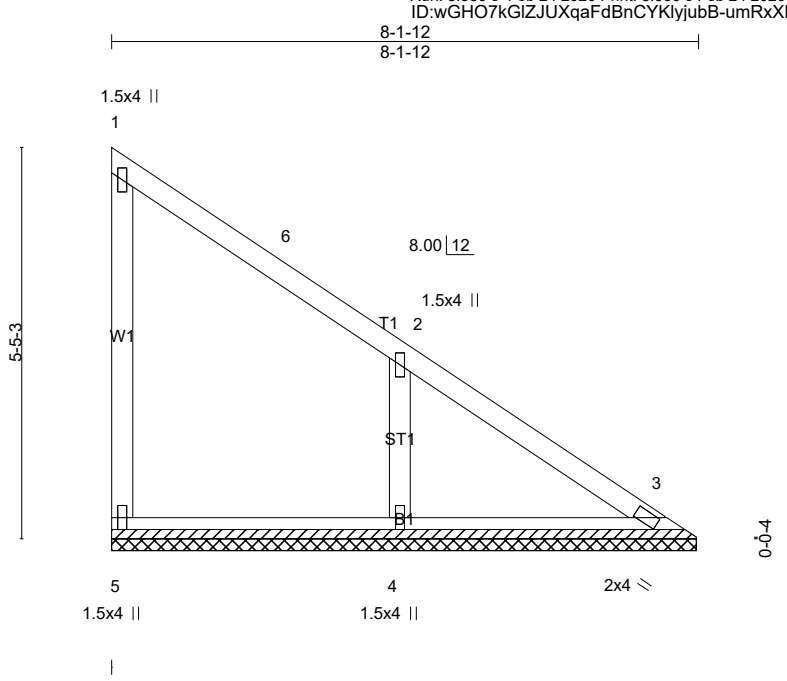

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-P							Weight: 36 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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) 5=127/8-1-6 (min. 0-1-8), 3=116/8-1-6 (min. 0-1-8), 4=405/8-1-6 (min. 0-1-8)
Max Horz 5=-189(LC 12)
Max Uplift 5=-38(LC 12), 3=-6(LC 13), 4=-136(LC 17)
Max Grav 5=159(LC 30), 3=160(LC 29), 4=470(LC 30)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-5=-143/108, 1-6=-119/130, 2-6=-156/112, 2-3=-278/265
BOT CHORD	4-5=-229/262, 3-4=-229/262
WEBS	2-4=-376/219

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 38 lb uplift at joint 5, 6 lb uplift at joint 3 and 136 lb uplift at joint 4.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V07	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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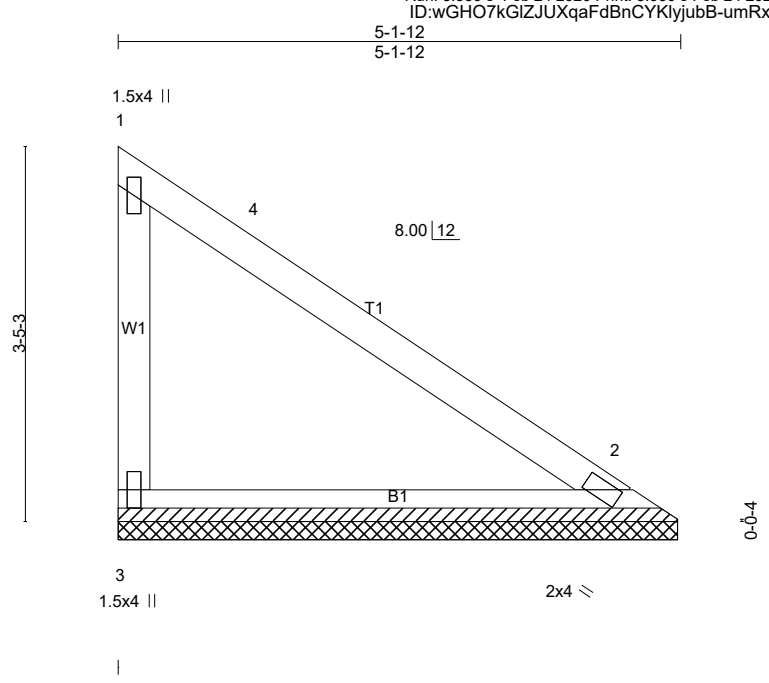

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 20 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=195/5-1-6 (min. 0-1-8), 2=195/5-1-6 (min. 0-1-8)
Max Horz 3=-114(LC 12)
Max Uplift 3=-53(LC 17), 2=-13(LC 17)
Max Grav 3=233(LC 30), 2=226(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-188/137, 1-4=-114/132, 2-4=-135/112
BOT CHORD 2-3=-143/166

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 53 lb uplift at joint 3 and 13 lb uplift at joint 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V08	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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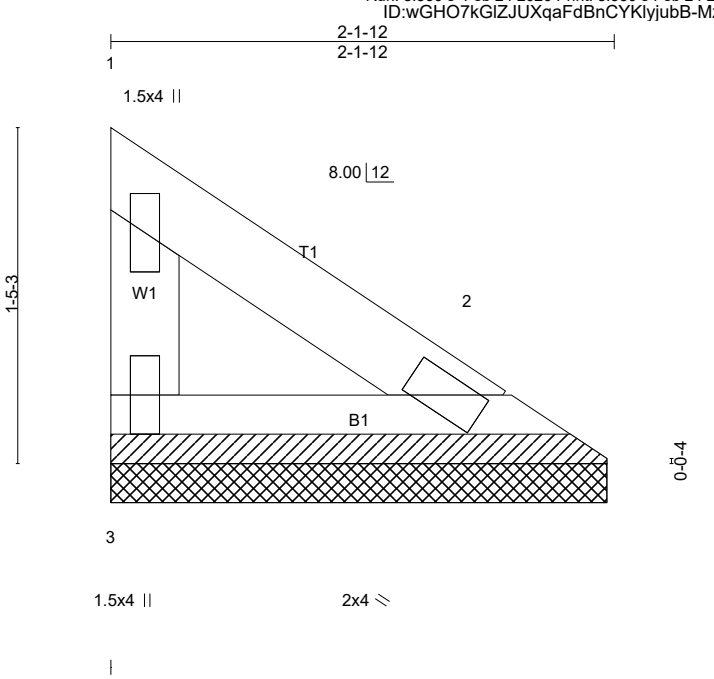

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 7 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-1-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=65/2-1-6 (min. 0-1-8), 2=65/2-1-6 (min. 0-1-8)
Max Horz 3=-38(LC 12)
Max Uplift 3=-18(LC 17), 2=-4(LC 17)
Max Grav 3=78(LC 30), 2=76(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-63/46, 1-2=-45/44
BOT CHORD 2-3=-48/56

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 18 lb uplift at joint 3 and 4 lb uplift at joint 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V09	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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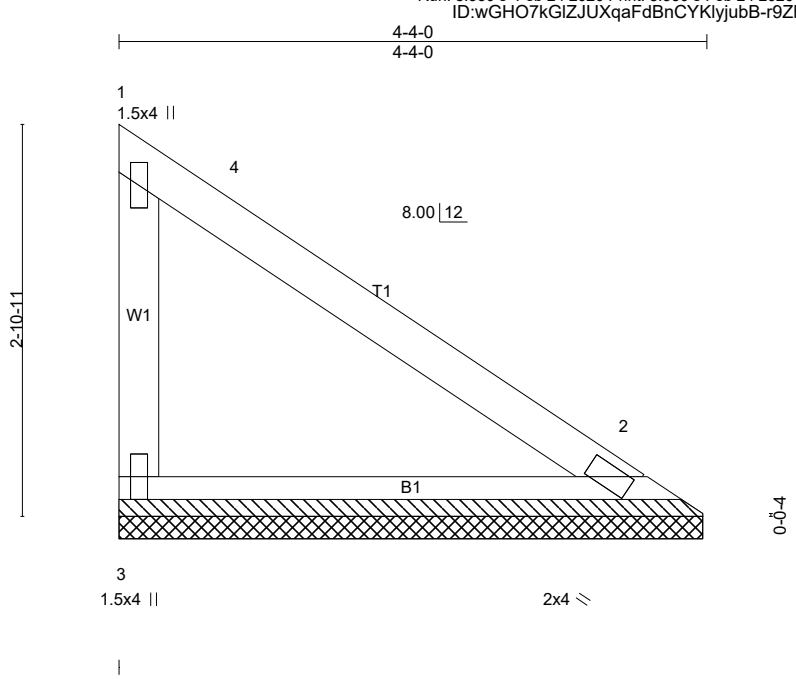

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 17 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-0 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) 3=160/4-3-10 (min. 0-1-8), 2=160/4-3-10 (min. 0-1-8)
Max Horz 3=-93(LC 12)
Max Uplift 3=-43(LC 17), 2=-11(LC 17)
Max Grav 3=191(LC 30), 2=185(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-154/113, 1-4=-92/108, 2-4=-111/92
BOT CHORD 2-3=-118/137

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 43 lb uplift at joint 3 and 11 lb uplift at joint 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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V10	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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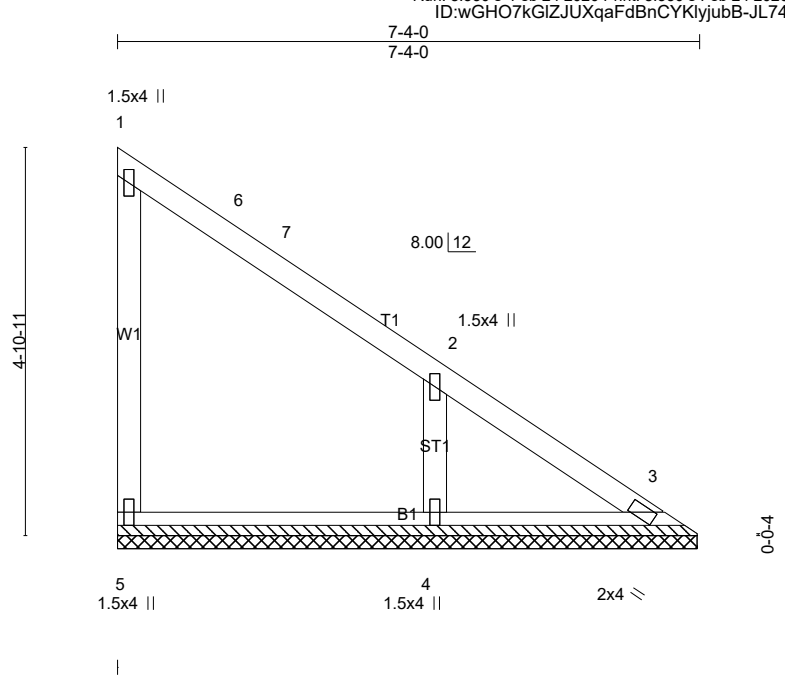

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 32 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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) 5=133/7-3-10 (min. 0-1-8), 3=78/7-3-10 (min. 0-1-8), 4=367/7-3-10 (min. 0-1-8)
Max Horz 5=-169(LC 12)
Max Uplift 5=-35(LC 12), 3=-13(LC 13), 4=-131(LC 17)
Max Grav 5=164(LC 30), 3=120(LC 29), 4=427(LC 30)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-5=-144/109, 1-6=-113/126, 6-7=-115/113, 2-7=-148/111, 2-3=-260/246
BOT CHORD	4-5=-206/237, 3-4=-206/237
WEBS	2-4=-341/202

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 35 lb uplift at joint 5, 13 lb uplift at joint 3 and 131 lb uplift at joint 4.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V11	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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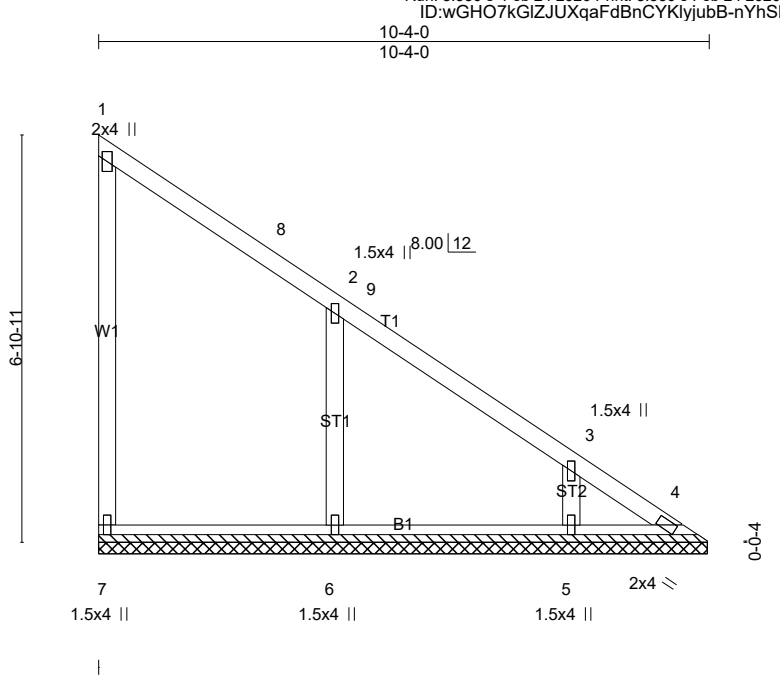

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 49 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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) 7=134/10-3-10 (min. 0-1-8), 4=38/10-3-10 (min. 0-1-8), 6=382/10-3-10 (min. 0-1-8), 5=283/10-3-10 (min. 0-1-8)
Max Horz 7=-244(LC 12)
Max Uplift 7=-47(LC 12), 4=-53(LC 15), 6=-96(LC 17), 5=-112(LC 17)
Max Grav 7=224(LC 30), 4=125(LC 12), 6=514(LC 30), 5=328(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-7=-143/106, 1-8=-126/140, 2-8=-170/105, 2-9=-261/272, 3-9=-287/269, 3-4=-377/344
BOT CHORD	6-7=-283/324, 5-6=-283/324, 4-5=-283/324
WEBS	2-6=-359/213, 3-5=-263/156

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 7, 53 lb uplift at joint 4, 96 lb uplift at joint 6 and 112 lb uplift at joint 5.
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	GARY ROBINSON-STOCKTON XL-SOUTH CREEK#55 ROOF
20-6462-A	V12	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

Run: 8.330 s Feb 24 2020 Print: 8.330 s Feb 24 2020 MiTek Industries, Inc. Fri Nov 20 17:23:56 2020 Page 1
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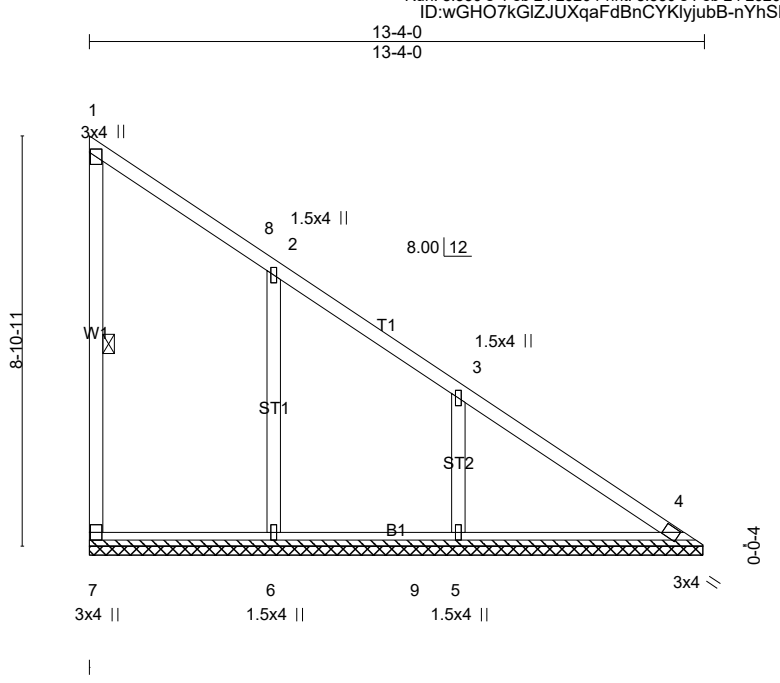

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 68 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-6-13 oc bracing.
WEBS	1 Row at midpt 1-7

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

REACTIONS. (lb/size) 7=142/13-3-10 (min. 0-1-11), 4=172/13-3-10 (min. 0-1-11), 6=341/13-3-10 (min. 0-1-11), 5=441/13-3-10 (min. 0-1-11)
Max Horz 7=-319(LC 12)
Max Uplift 7=-59(LC 12), 4=-17(LC 13), 6=-126(LC 17), 5=-163(LC 17)
Max Grav 7=231(LC 30), 4=246(LC 29), 6=530(LC 30), 5=542(LC 30)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-159/109, 1-8=-141/161, 2-8=-185/127, 2-3=-295/283, 3-4=-439/412
BOT CHORD 6-7=-362/409, 6-9=-362/409, 5-9=-362/409, 4-5=-362/409
WEBS 2-6=-330/198, 3-5=-395/217

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 7, 17 lb uplift at joint 4, 126 lb uplift at joint 6 and 163 lb uplift at joint 5.
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