Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	AT01	Attic	6	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. Thu Nov 12 14:13:37 2020 Page 1
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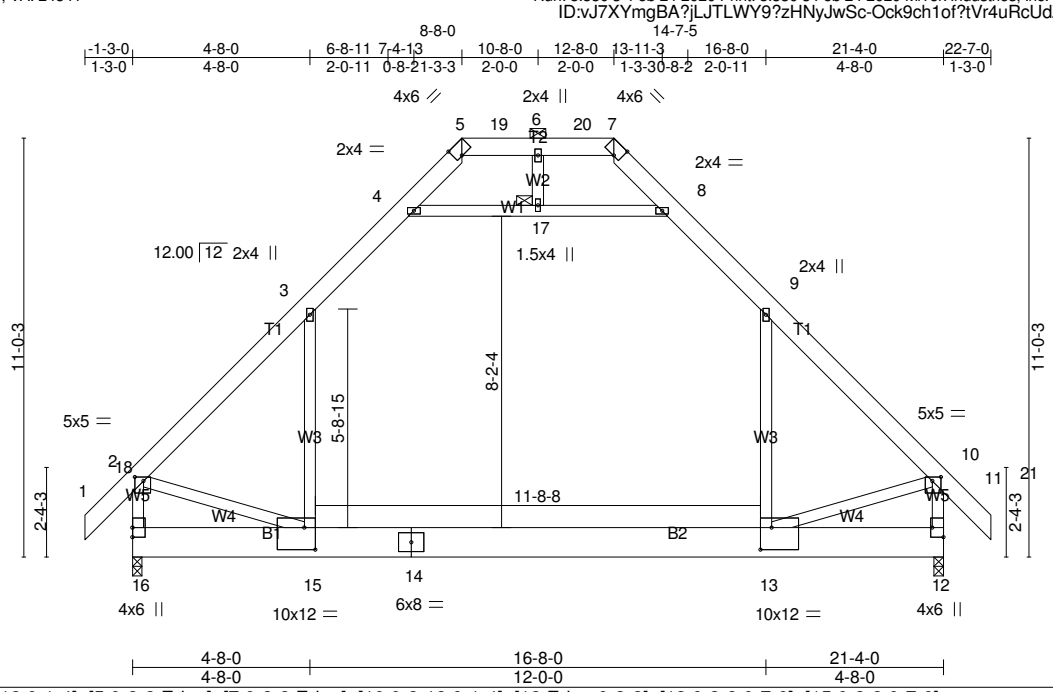

Plate Offsets (X,Y)-- [2:0-2-12,0-1-4], [5:0-2-2,Edge], [7:0-2-2,Edge], [10:0-2-12,0-1-4], [12:Edge,0-3-8], [13:0-3-8,0-7-0], [15:0-3-8,0-7-0]

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	0.89	Vert(LL)	-0.24	13-15	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.36	13-15	>698	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.01	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.15	13-15	991	360	Weight: 207 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 9-2-13 oc bracing.
JOINTS 1 Brace at Jt(s): 17

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

REACTIONS. (lb/size) 16=1182/0-3-0 (min. 0-2-2), 12=1182/0-3-0 (min. 0-2-2)
Max Horz 16=-312(LC 14)
Max Grav 16=1798(LC 46), 12=1798(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1723/14, 3-4=-1068/162, 4-5=-365/274, 5-19=-182/424, 6-19=-182/424, 6-20=-182/424, 7-20=-182/424, 7-8=-365/274, 8-9=-1068/162, 9-10=-1723/14, 2-16=-1875/52, 10-12=-1875/52
BOT CHORD 15-16=-272/355, 14-15=0/1062, 13-14=0/1062
WEBS 3-15=-97/662, 4-17=-1386/164, 8-17=-1386/164, 9-13=-97/662, 2-15=0/1006, 10-13=0/1007

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, Lu=50-0-0
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) 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.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 8-17; Wall dead load (5.0psf) on member(s).3-15, 9-13
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	AT02	Attic	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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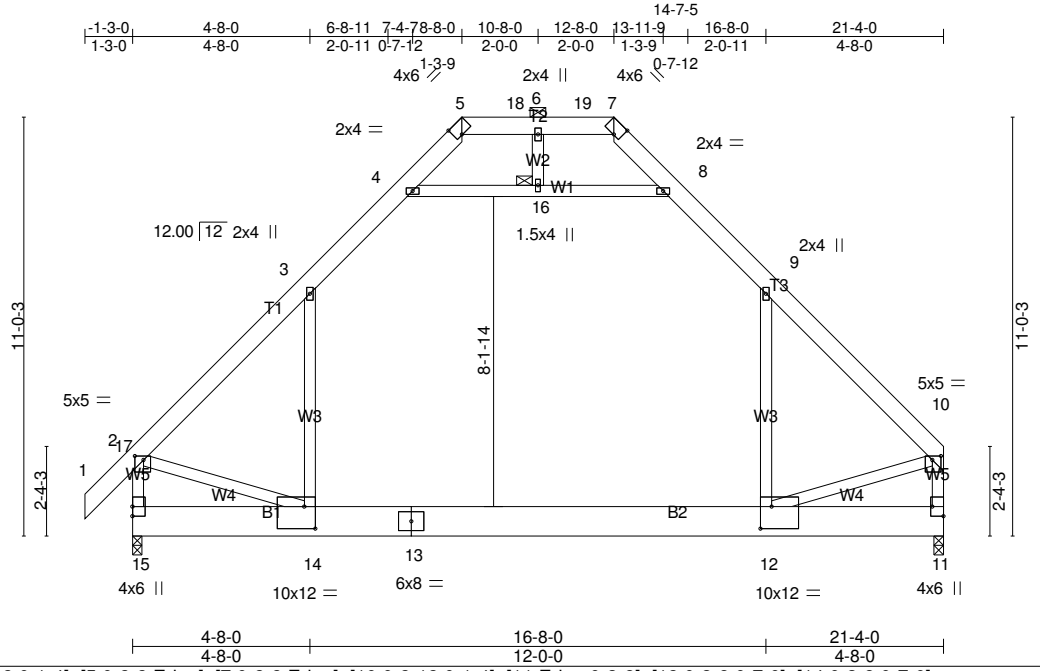

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LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.24	12-14	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.36	12-14	>699	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.14	12-14	996	360	Weight: 203 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 9-3-11 oc bracing.
JOINTS 1 Brace at Jt(s): 16

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

REACTIONS. (lb/size) 15=1185/0-3-0 (min. 0-2-2), 11=1087/0-3-0 (min. 0-2-0)
Max Horz 15=301(LC 13)
Max Grav 15=1801(LC 46), 11=1678(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1733/11, 3-4=-1073/160, 4-5=-367/267, 5-18=-183/415, 6-18=-183/415, 6-19=-183/415, 7-19=-183/415, 7-8=-367/267, 8-9=-1074/161, 9-10=-1721/8, 2-15=-1884/50, 10-11=-1768/0
BOT CHORD 14-15=-283/337, 13-14=0/1052, 12-13=0/1052
WEBS 3-14=-95/665, 4-16=-1384/161, 8-16=-1384/161, 9-12=-110/654, 2-14=0/1014, 10-12=0/1014

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, Lu=50-0-0
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) 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.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-16, 8-16; Wall dead load (5.0psf) on member(s).3-14, 9-12
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
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) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	ATGE01	GABLE	1	1	Job Reference (optional)

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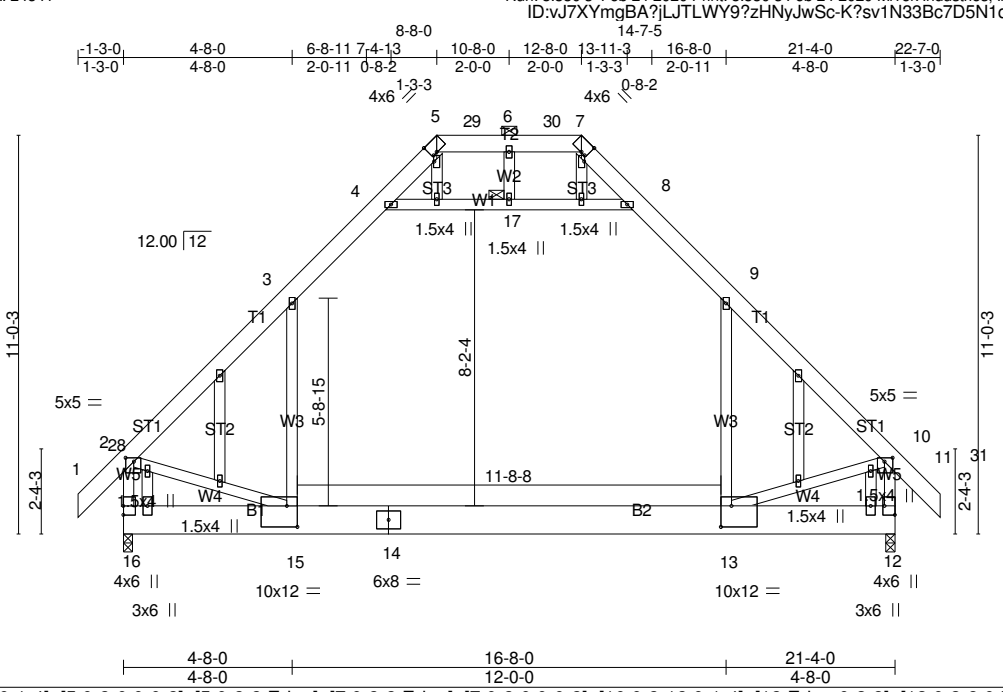

Plate Offsets (X,Y)-- [2:0-2-12,0-1-4], [5:0-2-0,0-0-2], [5:0-2-2,Edge], [7:0-2-2,Edge], [7:0-2-0,0-0-2], [10:0-2-12,0-1-4], [12:Edge,0-3-8], [13:0-3-8,0-7-0], [15:0-3-8,0-7-0]

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	0.89	Vert(LL)	-0.24	13-15	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.36	13-15	>698	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.01	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.15	13-15	991	360		
BCDL	10.0										Weight: 223 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 9-2-13 oc bracing.
JOINTS 1 Brace at Jt(s): 17

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

REACTIONS. (lb/size) 16=1182/0-3-0 (min. 0-2-2), 12=1182/0-3-0 (min. 0-2-2)
Max Horz 16=-312(LC 14)
Max Grav 16=1798(LC 46), 12=1798(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1723/11, 3-4=-1068/162, 4-5=-365/274, 5-29=-182/424, 6-29=-182/424, 6-30=-182/424, 7-30=-182/424, 7-8=-365/274, 8-9=-1068/162, 9-10=-1723/11, 2-16=-1875/52, 10-12=-1875/52
BOT CHORD 15-16=-272/355, 14-15=0/1062, 13-14=0/1062
WEBS 3-15=-97/662, 4-17=-1386/164, 8-17=-1386/164, 9-13=-97/662, 2-15=0/1006, 10-13=0/1007

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, Lu=50-0-0
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) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 8-17; Wall dead load (5.0psf) on member(s).3-15, 9-13
13) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
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.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
16) Attic room checked for L/360 deflection.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	ATGE01	GABLE	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	G01	Common Girder	1	2	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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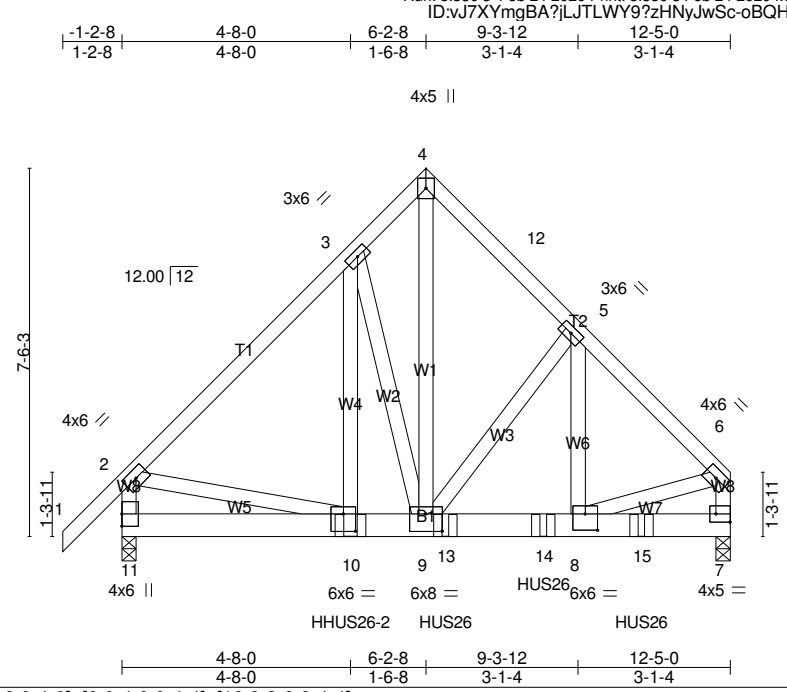

Plate Offsets (X,Y)-- [7:Edge,0-2-0], [8:0-3-0,0-4-0], [9:0-4-0,0-4-4], [10:0-3-0,0-4-4]

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	0.52	Vert(LL)	-0.04	10	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.07	10	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.01	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 219 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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.

REACTIONS. (lb/size) 11=3649/0-3-8 (min. 0-2-2), 7=4317/0-3-8 (min. 0-2-9)
Max Horz 11=209(LC 13)
Max Uplift11=-987(LC 16), 7=-756(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3891/1147, 3-4=-3199/956, 4-12=-3140/918, 5-12=-3256/904, 5-6=-4122/810, 2-11=-3476/1052, 6-7=-3883/756
BOT CHORD 10-11=-277/372, 9-10=-772/2653, 9-13=-529/2854, 13-14=-529/2854, 8-14=-529/2854
WEBS 3-10=-919/1663, 3-9=-1415/896, 4-9=-1254/4283, 5-9=-998/81, 5-8=0/1233, 2-10=-690/2437, 6-8=-491/2784

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 0-3-0 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 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.
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 100 lb uplift at joint(s) except (jt=lb) 11=987 , 7=756.
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) Use Simpson Strong-Tie HHUS26-2 (14-16d Girder, 6-16d Truss) or equivalent at 4-8-0 from the left end to connect truss(es) T06 (2 ply 2x6 SP) to back face of bottom chord.
13) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-7-4 from the left end to 10-7-4 to connect truss(es) T05 (1 ply 2x4 SP), T04 (1 ply 2x4 SP), T02 (1 ply 2x4 SP) to back face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-66, 2-4=-66, 4-6=-66, 7-11=-20
   Concentrated Loads (lb)
      Vert: 10=-2889(B) 13=-1295(B) 14=-1518(B) 15=-1129(B)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	G02	COMMON GIRDER	1	2	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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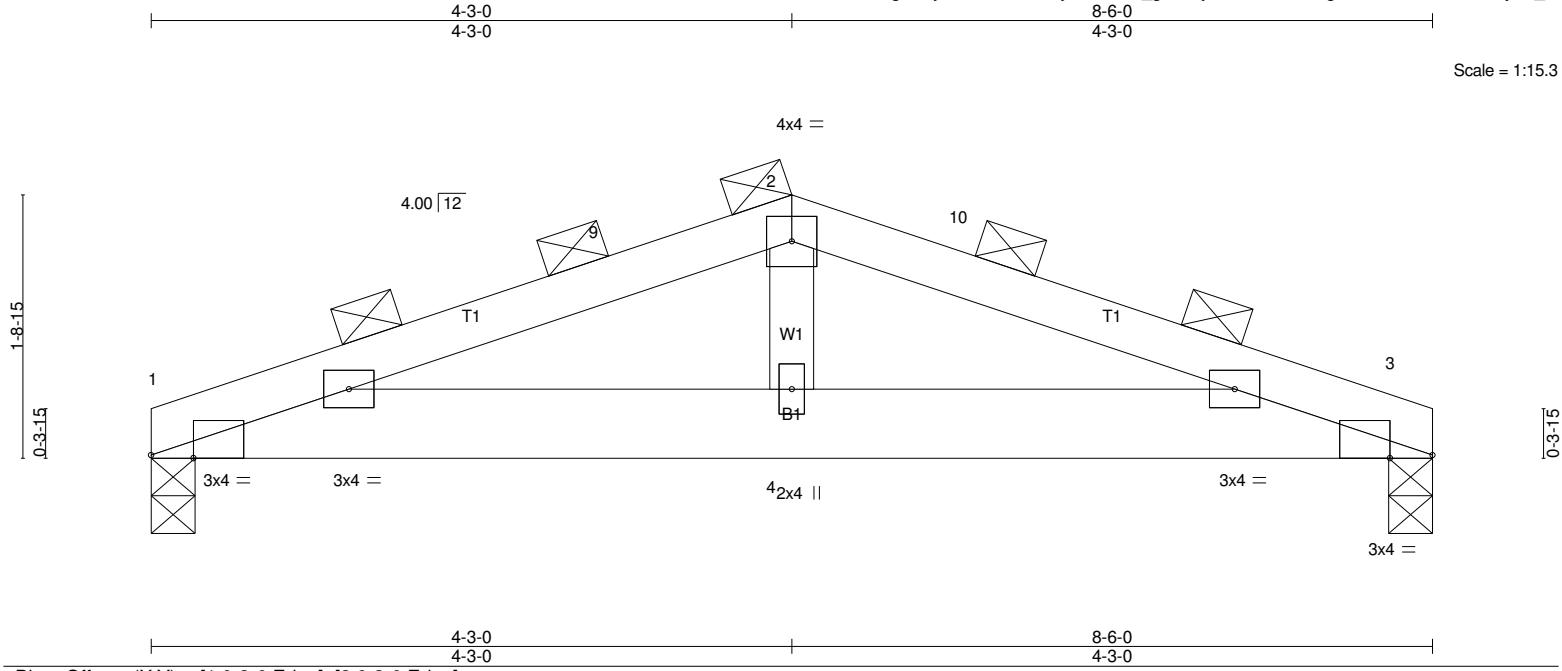

Plate Offsets (X,Y)-- [1:0-3-6,Edge], [3:0-3-6,Edge]

LOADING (psf)		**SPACING-**	3-6-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.01	4	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.02	4-6	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							Weight: 70 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=619/0-3-8 (min. 0-1-8), 3=619/0-3-8 (min. 0-1-8)
Max Horz 1=-40(LC 21)
Max Uplift 1=-81(LC 12), 3=-81(LC 13)
Max Grav 1=718(LC 2), 3=718(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-1324/361, 2-9=-1241/367, 2-10=-1241/367, 3-10=-1324/361
BOT CHORD 1-4=-258/1189, 3-4=-258/1189
WEBS 2-4=-57/421

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 100 lb uplift at joint(s) 1, 3.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J01	Jack-Open	10	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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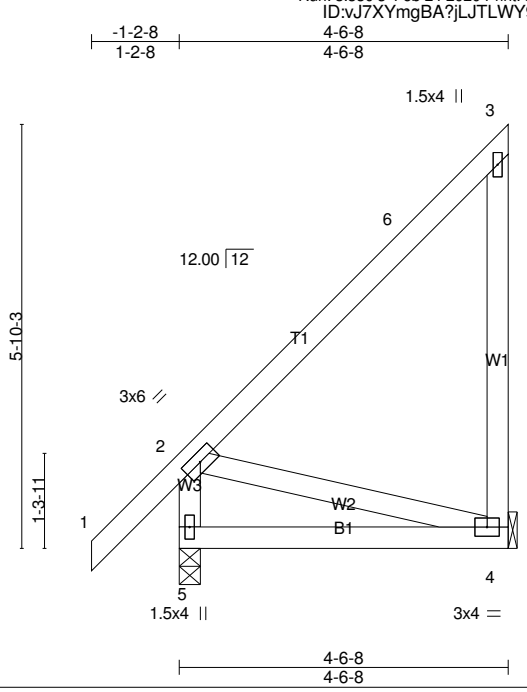

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.02	4-5	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.04	4-5	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							Weight: 34 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 4-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=287/0-3-8 (min. 0-1-8), 4=169/Mechanical
Max Horz 5=194(LC 16)
Max Uplift4=-154(LC 16)
Max Grav 5=338(LC 2), 4=225(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-296/1
BOT CHORD 4-5=-253/200
WEBS 2-4=-206/262

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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=154.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J02	Jack-Open	2	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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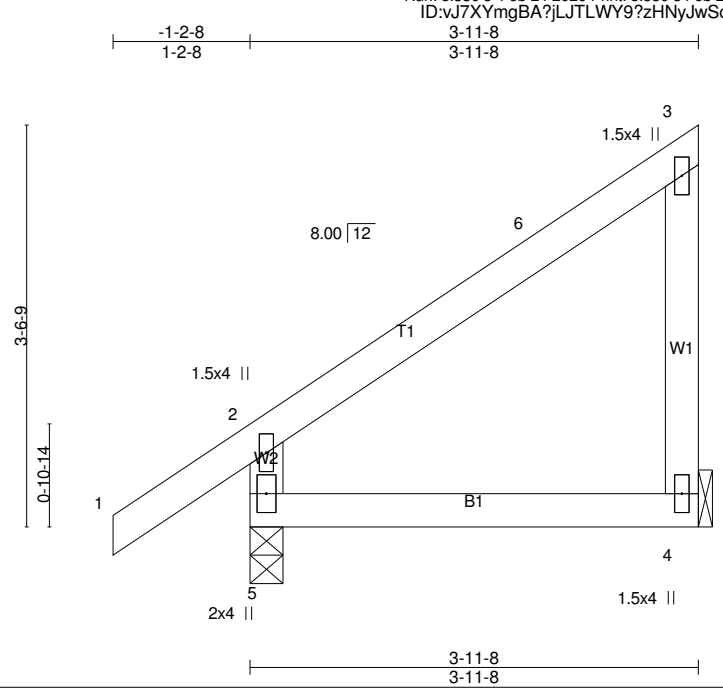

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	4-5	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00		n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							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 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=264/0-3-8 (min. 0-1-8), 4=141/Mechanical
Max Horz 5=115(LC 16)
Max Uplift5=-11(LC 16), 4=-72(LC 16)
Max Grav 5=312(LC 2), 4=172(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-278/95

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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J03	Jack-Closed	4	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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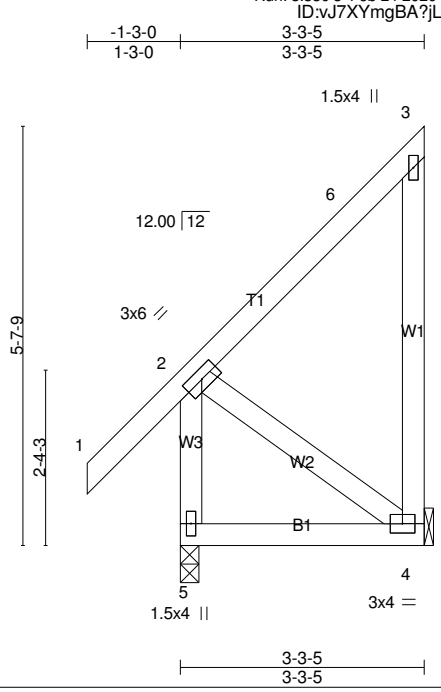

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.00	4-5	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	4-5	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-7 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=243/0-3-0 (min. 0-1-8), 4=107/Mechanical
Max Horz 5=213(LC 13)
Max Uplift 5=-62(LC 12), 4=-172(LC 13)
Max Grav 5=338(LC 31), 4=208(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-308/132
BOT CHORD 4-5=-352/324
WEBS 2-4=-309/353

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 100 lb uplift at joint(s) 5 except (jt=lb) 4=172.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J04	Jack-Closed Girder	2	1	Job Reference (optional)

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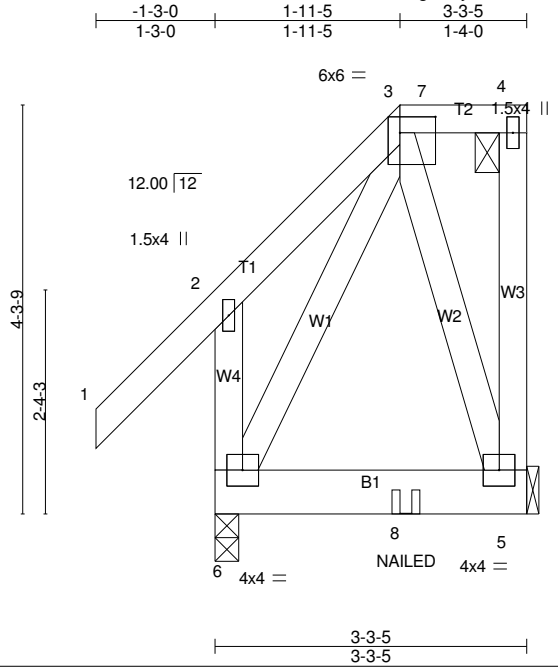

Plate Offsets (X,Y)-- [3:0-4-8,0-2-0]

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	0.35	Vert(LL)	0.00	5-6	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	5-6	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.12	Horz(CT)	-0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							Weight: 36 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
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) 6=283/0-3-0 (min. 0-1-8), 5=174/Mechanical
Max Horz 6=168(LC 13)
Max Uplift 6=-67(LC 12), 5=-180(LC 13)
Max Grav 6=463(LC 36), 5=257(LC 71)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-366/261
WEBS 3-6=-370/317

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, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 5=180.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-66, 2-3=-66, 3-4=-66, 5-6=-20

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J04	Jack-Closed Girder	2	1	Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=-108(F)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J05	Jack-Closed	2	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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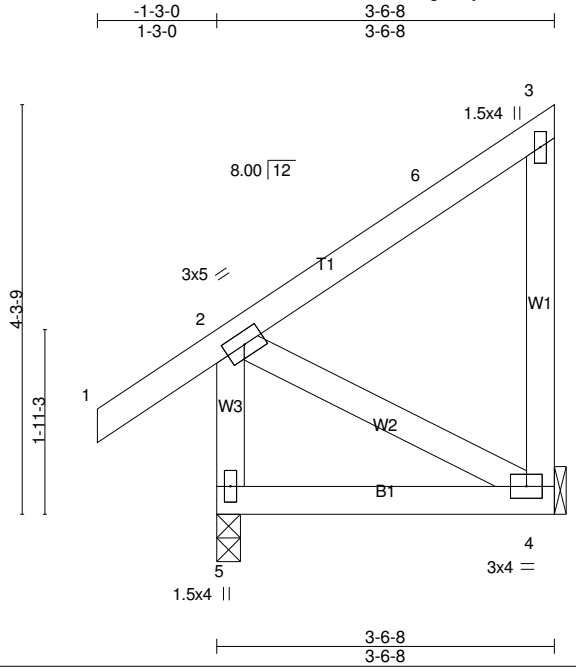

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.01	4-5	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 27 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 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=252/0-3-0 (min. 0-1-8), 4=120/Mechanical
Max Horz 5=159(LC 13)
Max Uplift 5=-25(LC 16), 4=-88(LC 13)
Max Grav 5=298(LC 2), 4=181(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-266/136
BOT CHORD 4-5=-259/240

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 100 lb uplift at joint(s) 5, 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J06GE	Jack-Open Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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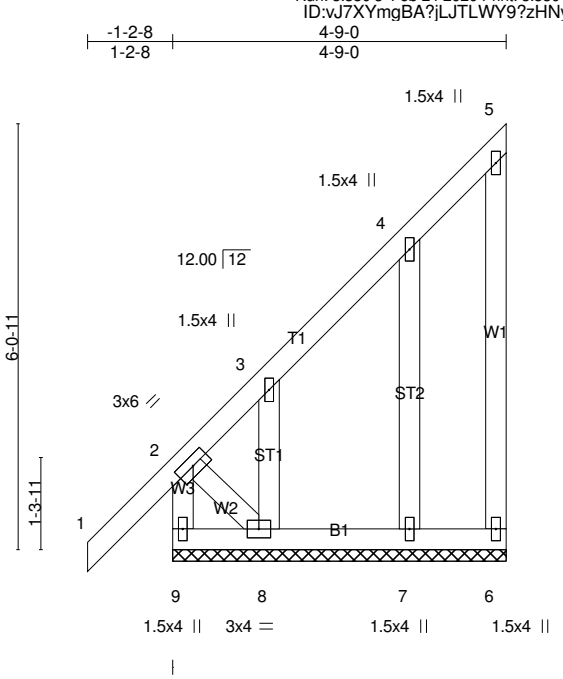

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	0.01	1	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 41 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 4-9-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-4-6 oc bracing.

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

REACTIONS. All bearings 4-9-0.
(lb) - Max Horz 9=230(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 9=-119(LC 12), 8=-187(LC 16), 7=-102(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 6, 8, 7 except 9=325(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-441/318, 2-3=-309/266
BOT CHORD 8-9=-403/365
WEBS 2-8=-384/447

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) 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 100 lb uplift at joint(s) 6 except (jt=lb) 9=119, 8=187, 7=102.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J07	Jack-Open	14	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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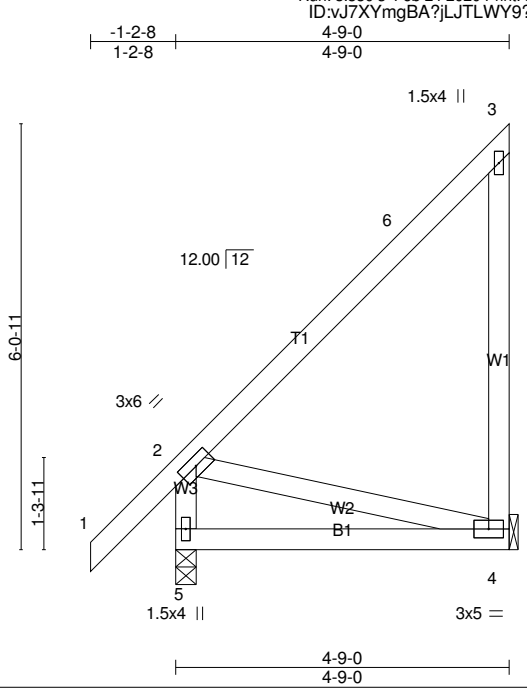

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.02	4-5	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.05	4-5	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=295/0-3-8 (min. 0-1-8), 4=179/Mechanical
Max Horz 5=202(LC 16)
Max Uplift4=-160(LC 16)
Max Grav 5=348(LC 2), 4=236(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-303/0
BOT CHORD 4-5=-262/207
WEBS 2-4=-213/270

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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=160.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	J08	Jack-Open	4	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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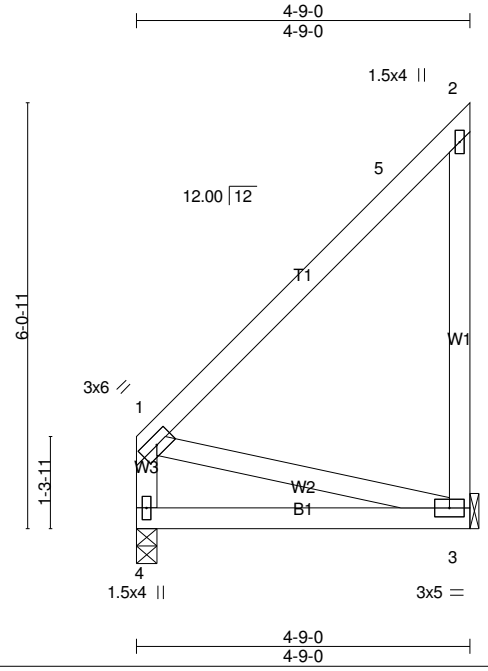

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.02	3-4	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.05	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							Weight: 33 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 4-9-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=192/0-3-8 (min. 0-1-8), 3=192/Mechanical
Max Horz 4=158(LC 16)
Max Uplift3=-160(LC 16)
Max Grav 4=223(LC 2), 3=250(LC 29)

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

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 100 lb uplift at joint(s) except (jt=lb) 3=160.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	M01	Monopitch Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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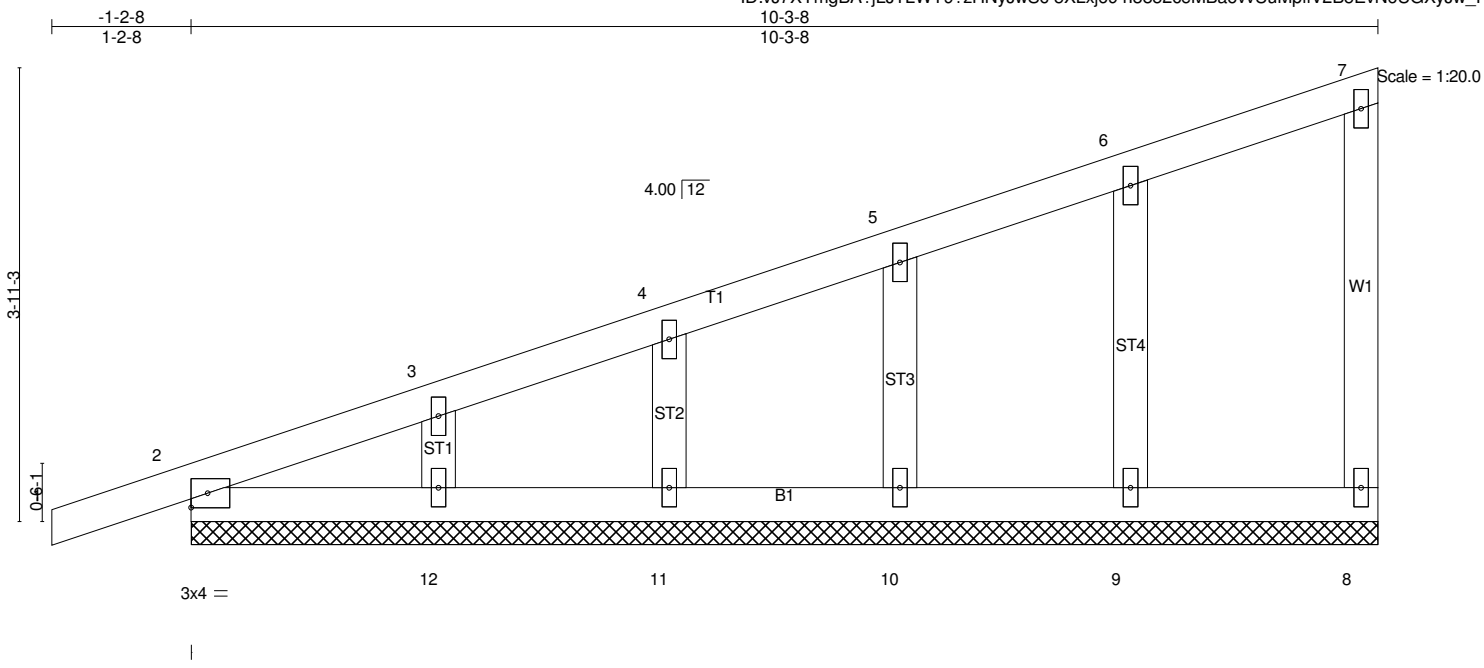

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	1	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 48 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. All bearings 10-3-8.
(lb) - Max Horz 2=155(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 8, 2, 11, 12, 10, 9
Max Grav All reactions 250 lb or less at joint(s) 8, 2, 11, 12, 10, 9

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

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 1.5x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 11, 12, 10, 9.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	M02	Monopitch	2	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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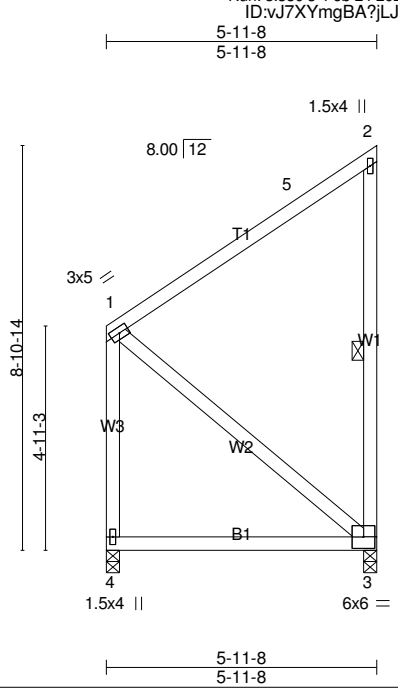

LOADING (psf)

TCLL (roof)	30.0
Snow (Pf/Pg)	23.1/30.0
TCDL	10.0
BCLL	0.0 *
BCDL	10.0

SPACING-	2-0-0
Plate Grip DOL	1.15
Lumber DOL	1.15
Rep Stress Incr	YES
Code	IRC2015/TPI2014

CSI.	
TC	0.88
BC	0.41
WB	0.44
Matrix-MP	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	-0.06	3-4	>999	360
Vert(CT)	-0.12	3-4	>550	240
Horz(CT)	-0.00	4	n/a	n/a

PLATES	**GRIP**
MT20	244/190

Weight: 49 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

BRACING-

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

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

REACTIONS. (lb/size) 4=244/0-3-8 (min. 0-1-8), 3=244/0-3-8 (min. 0-1-8)
Max Horz 3=313(LC 13)
Max Uplift 4=-97(LC 12), 3=-231(LC 13)
Max Grav 4=395(LC 30), 3=400(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-272/209, 1-4=-339/244
WEBS 1-3=-428/465

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=231.
7) 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	PB01	Piggyback	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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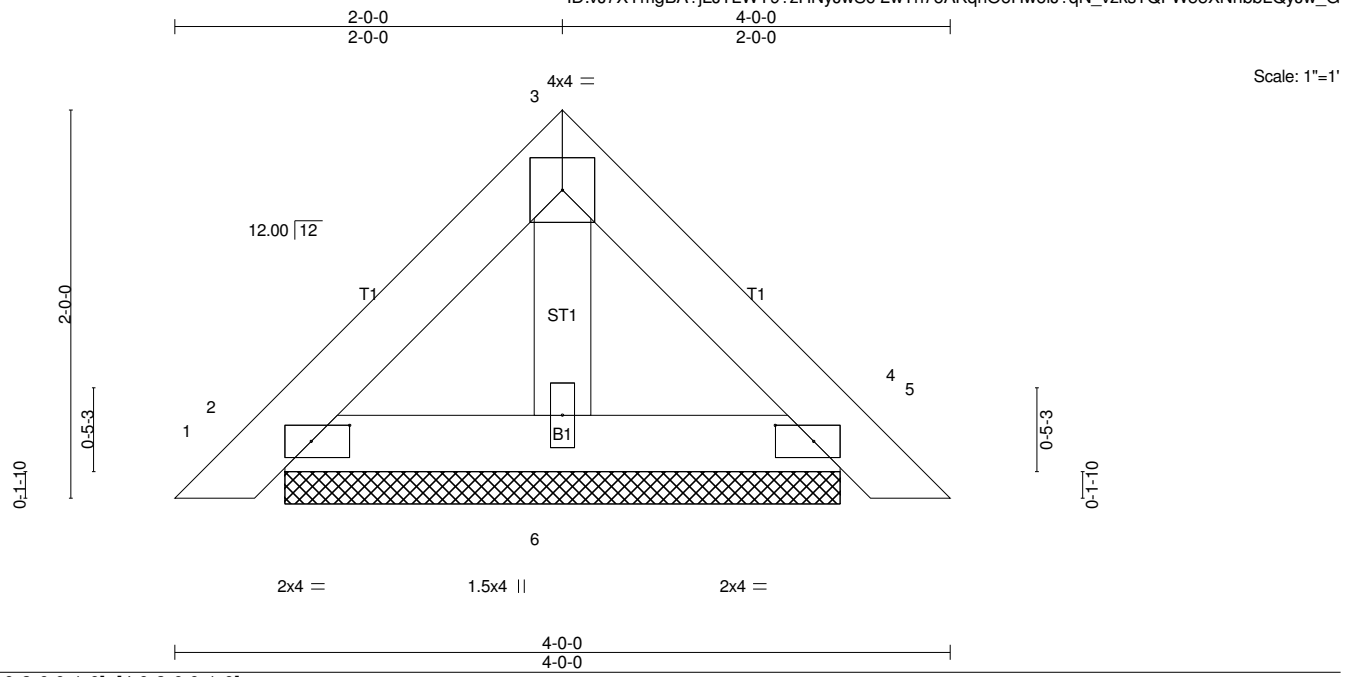

Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	0.04	Vert(LL)	0.00	4	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 14 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 4-0-0 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=101/2-10-6 (min. 0-1-8), 4=101/2-10-6 (min. 0-1-8), 6=92/2-10-6 (min. 0-1-8)
Max Horz 2=-44(LC 14)
Max Uplift 2=-22(LC 16), 4=-27(LC 17)
Max Grav 2=120(LC 2), 4=120(LC 2), 6=104(LC 2)

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

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) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
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) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	PB02	Piggyback	7	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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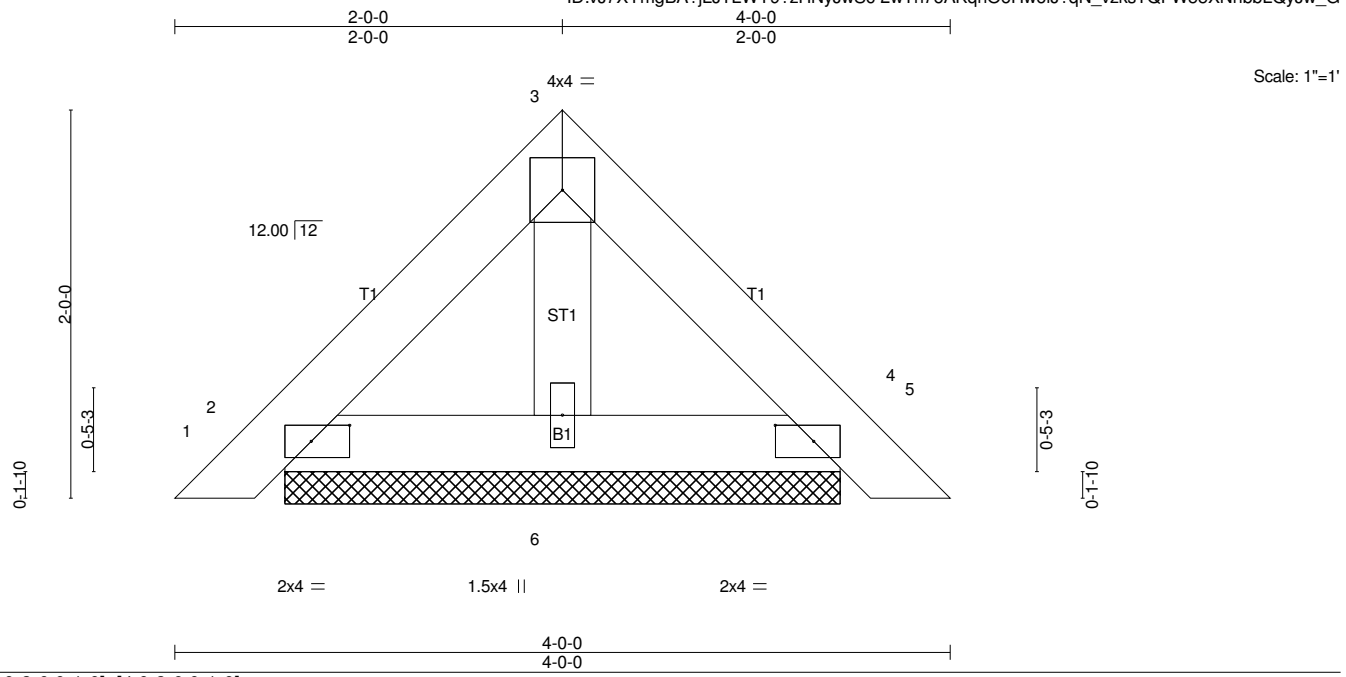

Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	0.04	Vert(LL)	0.00	4	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 14 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 4-0-0 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=101/2-10-6 (min. 0-1-8), 4=101/2-10-6 (min. 0-1-8), 6=92/2-10-6 (min. 0-1-8)
Max Horz 2=-44(LC 14)
Max Uplift 2=-22(LC 16), 4=-27(LC 17)
Max Grav 2=120(LC 2), 4=120(LC 2), 6=104(LC 2)

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

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) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
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) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	PB03	Piggyback	1	3	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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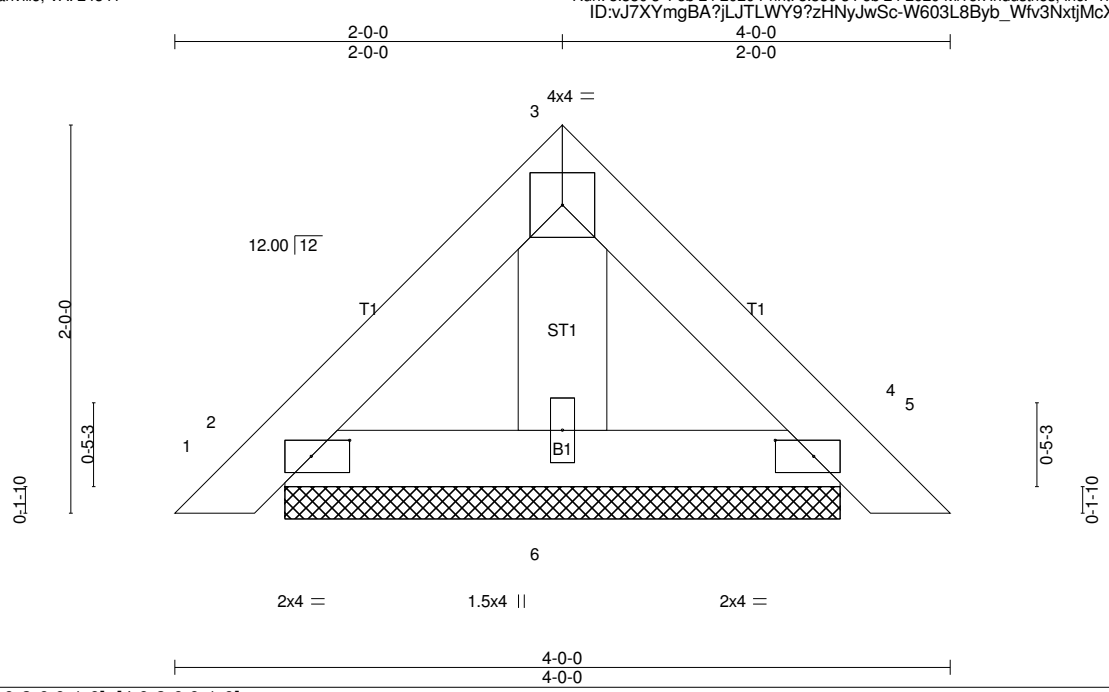

Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	0.01	Vert(LL)	0.00	4	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	4	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 46 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (lb/size) 2=96/2-10-6 (min. 0-1-8), 4=96/2-10-6 (min. 0-1-8), 6=102/2-10-6 (min. 0-1-8)
Max Horz 2=-44(LC 14)
Max Uplift 2=-21(LC 16), 4=-27(LC 17)
Max Grav 2=114(LC 2), 4=114(LC 2), 6=116(LC 2)

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

NOTES-
1) 3-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: 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 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.
8) Gable requires continuous bottom chord bearing.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
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.
13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T01	Common	3	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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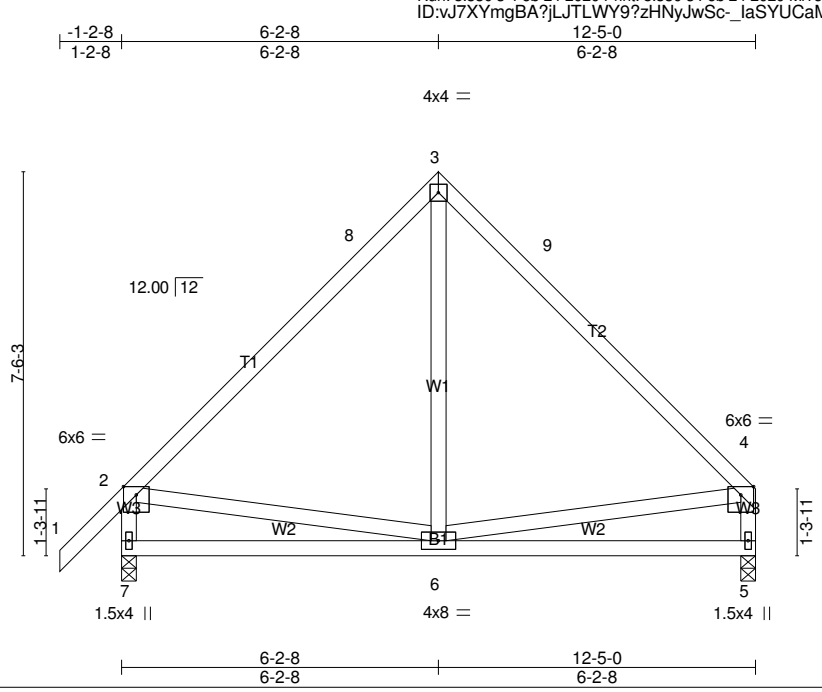

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.03	5-6	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.06	5-6	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 78 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 4-10-1 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=617/0-3-8 (min. 0-1-8), 5=518/0-3-8 (min. 0-1-8)
Max Horz 7=212(LC 13)
Max Uplift 7=-59(LC 16), 5=-46(LC 16)
Max Grav 7=721(LC 2), 5=600(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-582/103, 3-8=-311/127, 3-9=-319/117, 4-9=-570/91, 2-7=-666/182, 4-5=-546/119
BOT CHORD 6-7=-270/356
WEBS 2-6=-128/280

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 100 lb uplift at joint(s) 7, 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T01GE	Common Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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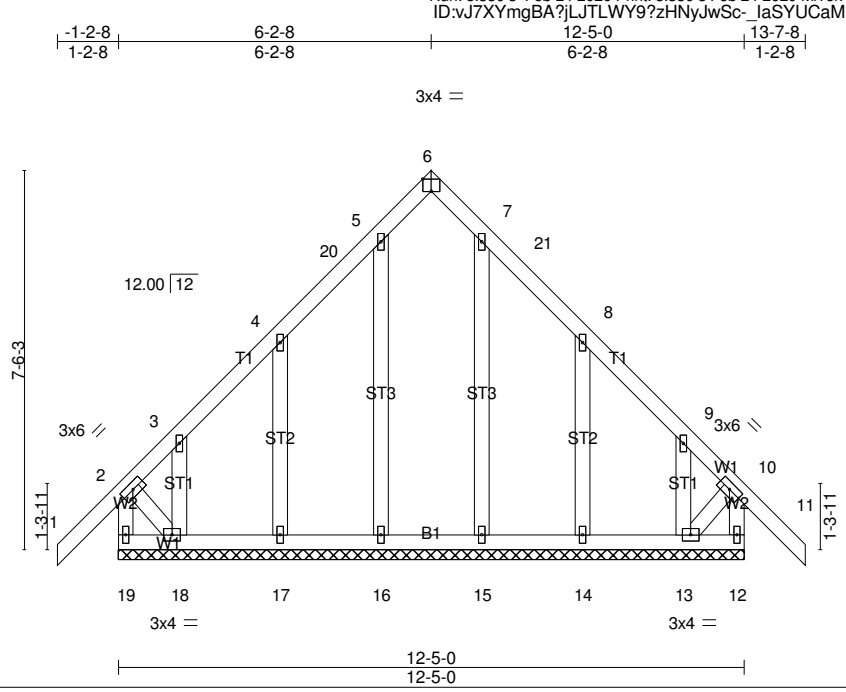

Plate Offsets (X,Y)-- [6:0-2-0,Edge]

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	0.18	Vert(LL)	-0.01	11	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.01	11	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							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
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, Except:
6-0-0 oc bracing: 18-19,12-13.

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

REACTIONS. All bearings 12-5-0.
(lb) - Max Horz 19=-223(LC 14)
Max Uplift All uplift 100 lb or less at joint(s) 12, 16, 15 except 19=-103(LC 14), 17=-130(LC 16), 18=-258(LC 16), 14=-131(LC 17), 13=-252(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 16, 17, 18, 15, 14, 13 except 19=334(LC 32), 12=326(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-324/205, 10-12=-317/219
WEBS 2-18=-212/281, 10-13=-205/280

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 1.5x4 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.
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 100 lb uplift at joint(s) 12, 16, 15 except (jt=lb) 19=103, 17=130, 18=258, 14=131, 13=252.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T02	Common	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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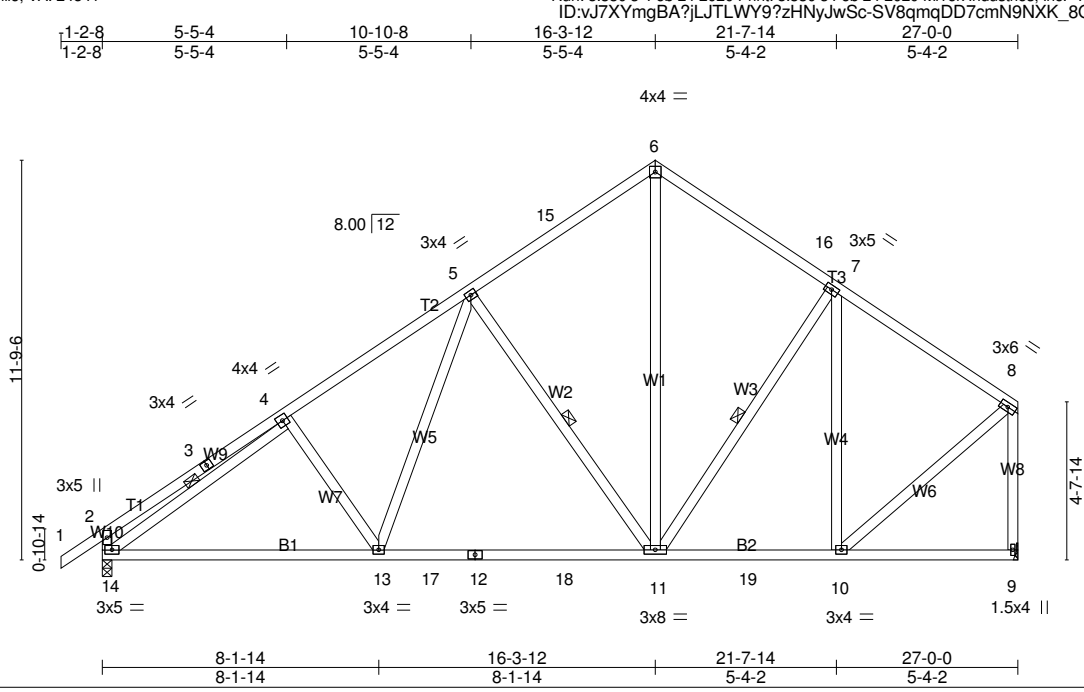

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.17	11-13	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.28	11-13	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.04	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 191 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 4-2-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-11, 7-11, 4-14

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

REACTIONS. (lb/size) 14=1243/0-3-8 (min. 0-1-11), 9=1149/Mechanical
Max Horz 14=355(LC 13)
Max Uplift 14=-148(LC 16), 9=-96(LC 16)
Max Grav 14=1446(LC 2), 9=1333(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-481/143, 3-4=-396/161, 4-5=-1602/298, 5-15=-1044/285, 6-15=-911/304, 6-16=-913/305, 7-16=-1042/273, 7-8=-986/220, 2-14=-523/183, 8-9=-1283/210
BOT CHORD 13-14=-336/1503, 13-17=-223/1221, 12-17=-223/1221, 12-18=-223/1221, 11-18=-223/1221, 11-19=-142/759, 10-19=-142/759
WEBS 5-13=-55/462, 5-11=-678/251, 6-11=-202/673, 7-10=-516/151, 4-14=-1359/136, 8-10=-128/958

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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 14=148.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T02GE	Common Supported Gable	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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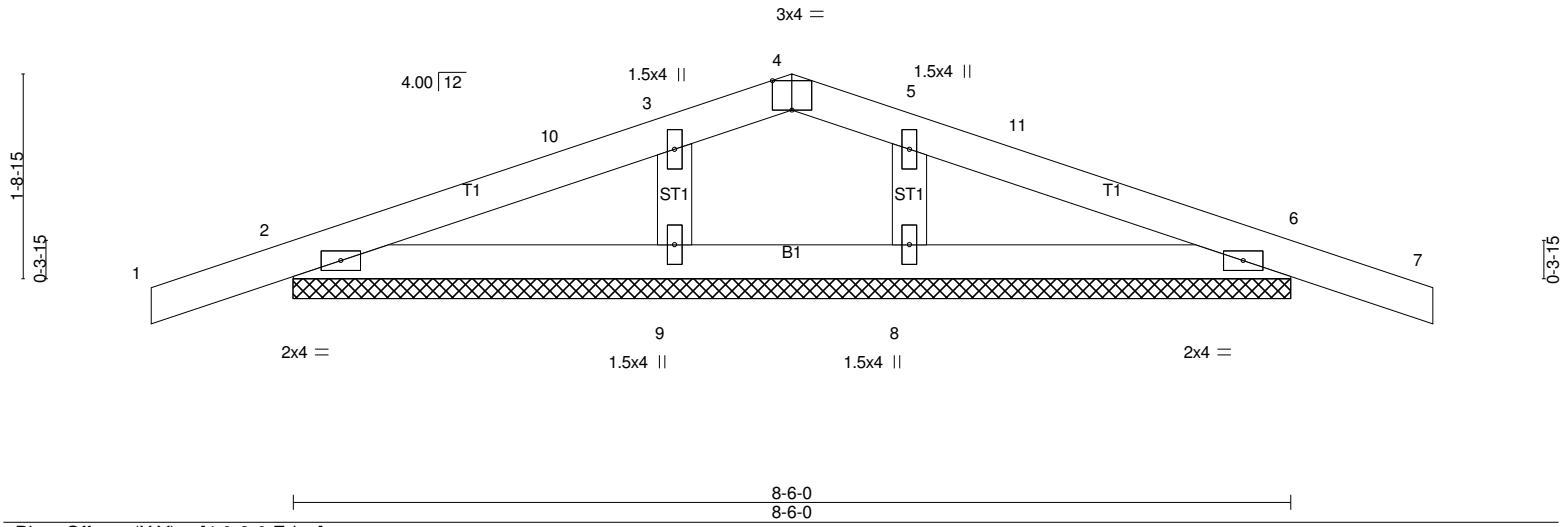

8-6-0
8-6-0

Plate Offsets (X,Y)-- [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	0.13	Vert(LL)	0.00	6	n/r	180	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	0.00	7	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: 33 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 6-0-0 oc bracing.

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

REACTIONS. All bearings 8-6-0.
(lb) - Max Horz 2=-30(LC 21)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=283(LC 34), 8=283(LC 35)

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

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) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9, 8.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T03	Roof Special	2	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. Thu Nov 12 14:13:54 2020 Page 1
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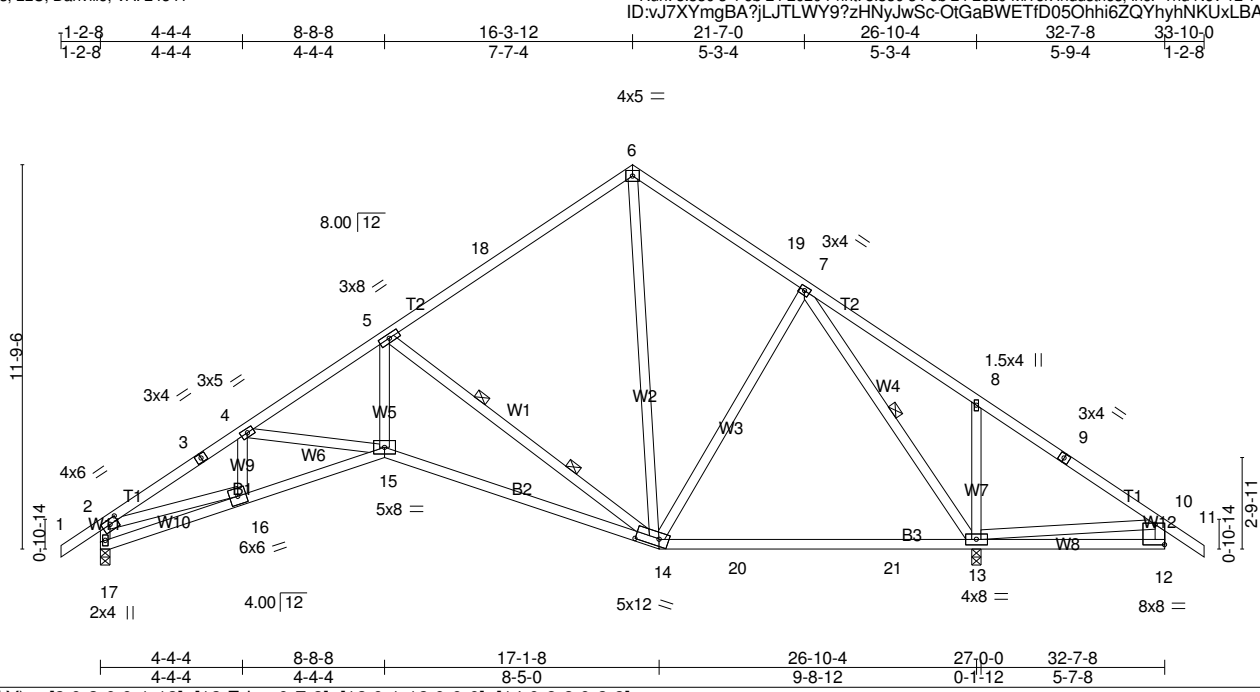

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [12:Edge,0-7-8], [12:0-1-12,0-0-0], [14:0-8-8,0-2-8]

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	0.95	Vert(LL)	-0.30	13-14	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.48	13-14	>669	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.18	13	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 207 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP DSS
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-13
2 Rows at 1/3 pts 5-14

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

REACTIONS. (lb/size) 17=1165/0-3-8 (min. 0-1-8), 13=1802/0-3-8 (min. 0-2-2)
Max Horz 17=-315(LC 14)
Max Uplift 17=-149(LC 16), 13=-200(LC 17)
Max Grav 17=1355(LC 2), 13=2095(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2551/316, 3-4=-2421/329, 4-5=-2495/340, 5-18=-902/187, 6-18=-721/215, 6-19=-748/241, 7-19=-863/210, 7-8=-143/639, 8-9=-283/644, 9-10=-303/514, 2-17=-1372/243
BOT CHORD 16-17=-303/476, 15-16=-379/2329, 14-15=-309/2350, 14-20=0/534, 20-21=0/534, 13-21=0/534
WEBS 5-15=-144/1592, 5-14=-1912/406, 6-14=-89/462, 7-14=-44/358, 7-13=-1652/322, 8-13=-455/240, 2-16=-142/1823, 10-13=-553/456

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) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=149, 13=200.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T04	Hip	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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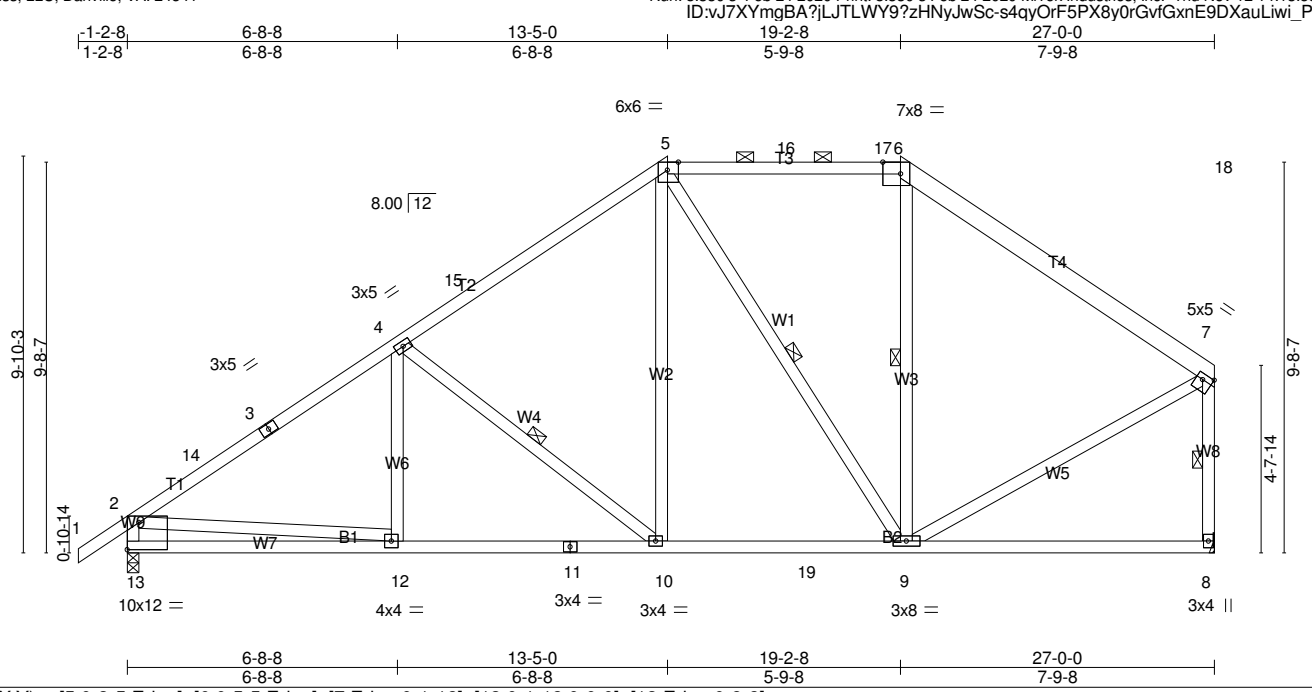

Plate Offsets (X,Y)-- [5:0-3-5,Edge], [6:0-5-5,Edge], [7:Edge,0-1-12], [13:0-1-12,0-0-0], [13:Edge,0-8-2]

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)	-0.09	8-9	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.18	8-9	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 188 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T3: 2x4 SP No.2, T4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10, 5-9, 6-9, 7-8

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

REACTIONS. (lb/size) 13=1243/0-3-8 (min. 0-1-15), 8=1149/Mechanical
Max Horz 13=302(LC 13)
Max Uplift13=-140(LC 16), 8=-73(LC 17)
Max Grav 13=1648(LC 39), 8=1538(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-2124/219, 3-14=-1971/235, 3-4=-1790/258, 4-15=-1501/254, 5-15=-1256/294, 5-16=-842/276, 16-17=-843/276, 6-17=-843/275, 6-18=-1012/243, 7-18=-1261/198, 2-13=-1583/267, 7-8=-1468/233
BOT CHORD 12-13=-324/575, 11-12=-314/1640, 10-11=-314/1640, 10-19=-166/1041, 9-19=-166/1041
WEBS 4-10=-745/215, 5-10=-62/635, 5-9=-428/101, 2-12=-24/1207, 7-9=-99/915

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, Lu=50-0-0
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) 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 = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 13=140.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T05	Hip	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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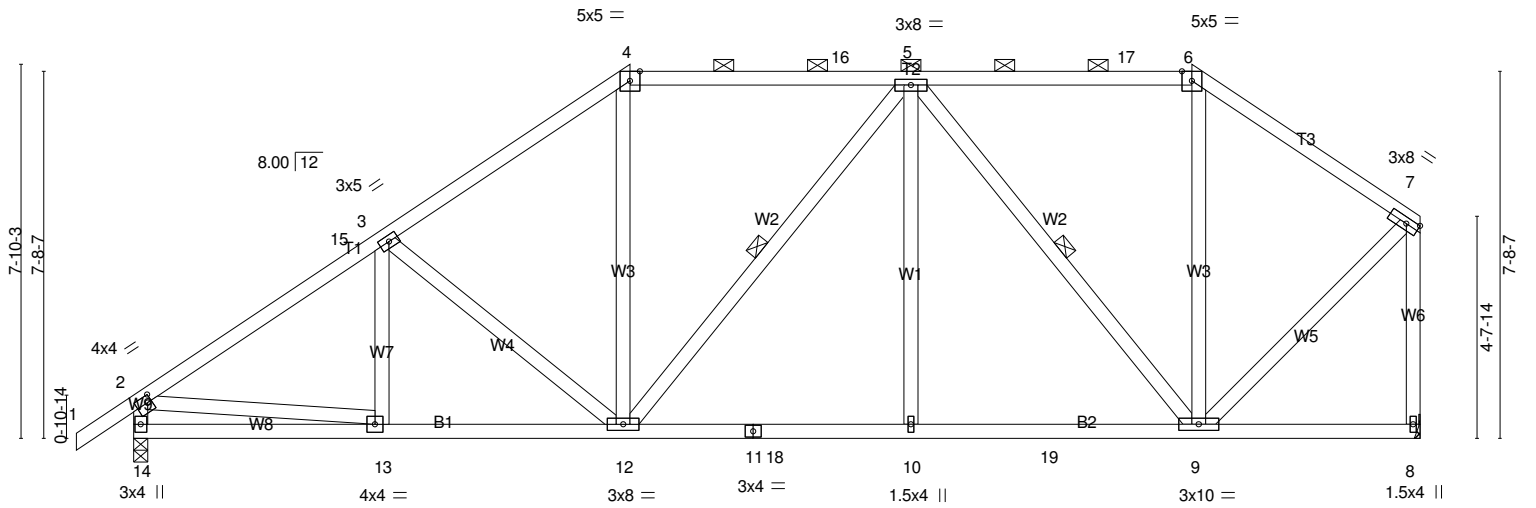
-1-2-8 | 5-2-8 | 10-5-0 | 16-3-12 | 22-2-8 | 27-0-0
1-2-8 | 5-2-8 | 5-2-8 | 5-10-12 | 5-10-12 | 4-9-8

Scale: 1/4"=1'



5-2-8 | 10-5-0 | 16-3-12 | 22-2-8 | 27-0-0
5-2-8 | 5-2-8 | 5-10-12 | 5-10-12 | 4-9-8

Plate Offsets (X,Y)-- [2:0-1-0,0-1-12]

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	0.99	Vert(LL)	-0.07	10-12	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.12	10-12	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 185 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 3-9-5 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-12, 5-9

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

REACTIONS. (lb/size) 14=1243/0-3-8 (min. 0-1-14), 8=1149/Mechanical
Max Horz 14=256(LC 15)
Max Uplift 14=-172(LC 16), 8=-116(LC 17)
Max Grav 14=1611(LC 39), 8=1333(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1874/258, 3-15=-1577/262, 3-4=-1498/300, 4-16=-1160/293, 5-16=-1163/293, 5-17=-751/230, 6-17=-747/230, 6-7=-926/224, 2-14=-1555/266, 7-8=-1294/224
BOT CHORD 13-14=-285/386, 12-13=-344/1427, 11-12=-237/1339, 11-18=-237/1339, 10-18=-237/1339, 10-19=-237/1339, 9-19=-237/1339
WEBS 3-12=-496/151, 4-12=-28/401, 5-12=-333/150, 5-10=0/321, 5-9=-936/146, 2-13=-94/1187, 7-9=-137/1043

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, Lu=50-0-0
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) 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 = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=172 , 8=116.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T06	Half Hip Girder	1	2	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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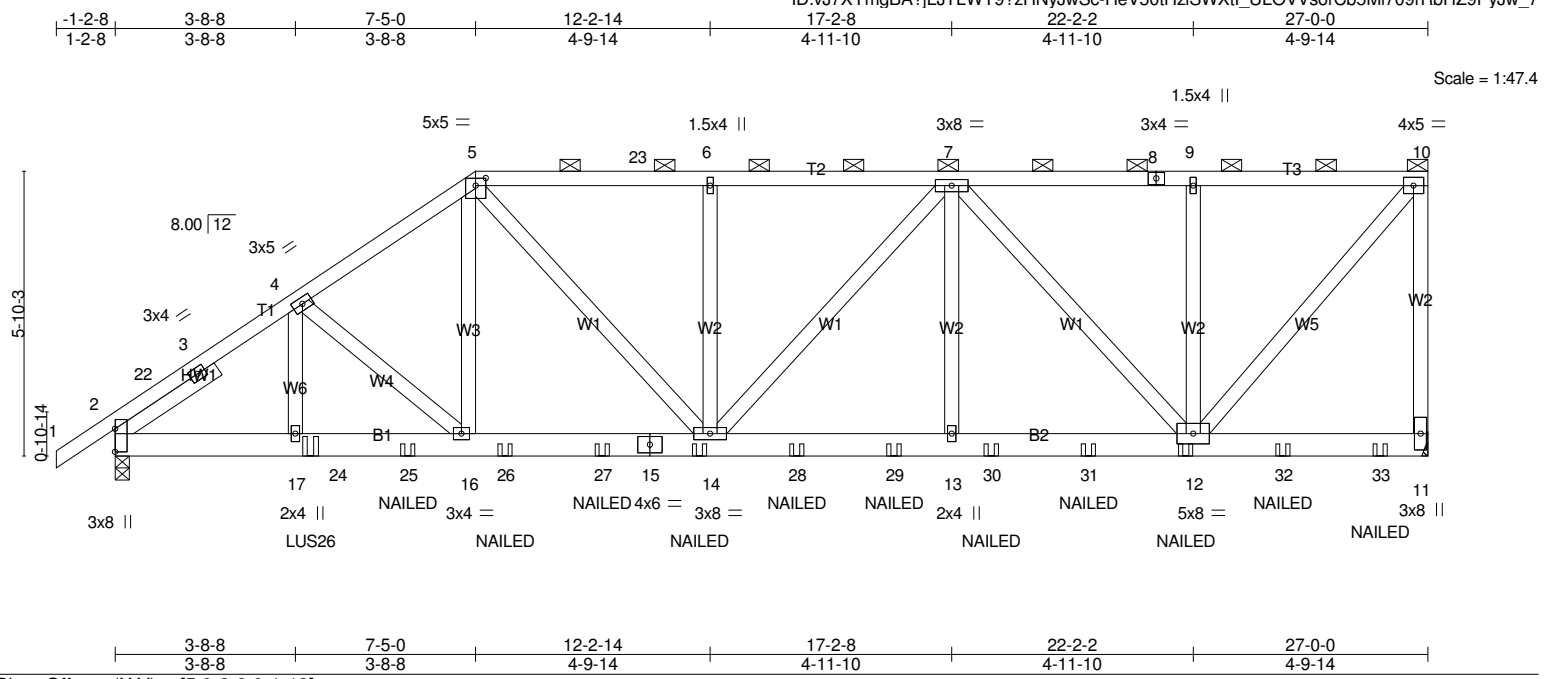

Plate Offsets (X,Y)-- [5:0-2-8,0-1-13]

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	0.36	Vert(LL)	-0.09	13-14	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.13	13-14	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.66	Horz(CT)	0.03	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 401 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 - 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 11=2304/Mechanical, 2=2350/0-3-8 (min. 0-1-8)
Max Horz 2=214(LC 15)
Max Uplift 11=-1306(LC 13), 2=-1033(LC 16)
Max Grav 11=2909(LC 35), 2=2535(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-1716/728, 3-22=-1695/735, 3-4=-3415/1511, 4-5=-3341/1553, 5-23=-3510/1662, 6-23=-3510/1662, 6-7=-3510/1662, 7-8=-2108/1036, 8-9=-2108/1036, 9-10=-2108/1036, 10-11=-2678/1178
BOT CHORD 2-17=-1414/2752, 17-24=-1414/2752, 24-25=-1414/2752, 16-25=-1414/2752, 16-26=-1381/2752, 26-27=-1381/2752, 15-27=-1381/2752, 14-15=-1381/2752, 14-28=-1580/3304, 28-29=-1580/3304, 13-29=-1580/3304, 13-30=-1580/3304, 30-31=-1580/3304, 12-31=-1580/3304
WEBS 4-16=-347/120, 5-16=-366/844, 5-14=-591/1146, 6-14=-610/148, 7-14=-197/387, 7-13=-350/554, 7-12=-1779/833, 9-12=-610/155, 10-12=-1481/3212

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, Lu=50-0-0
6) Unbalanced snow loads have been considered for this design.
7) 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.
8) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.

Continued on page 2

NOTES-

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=1306, 2=1033.
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.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent at 4-0-4 from the left end to connect truss(es) T08 (1 ply 2x6 SP) to front face of bottom chord.
16) Fill all nail holes where hanger is in contact with lumber.
17) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-5=-66, 5-10=-66, 11-18=-20
   Concentrated Loads (lb)
      Vert: 14=-164(F) 12=-164(F) 24=-424(F) 25=-198(F) 26=-164(F) 27=-164(F) 28=-164(F) 29=-164(F) 30=-164(F) 31=-164(F) 32=-164(F) 33=-165(F)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T07	Half Hip	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. Thu Nov 12 14:13:58 2020 Page 1
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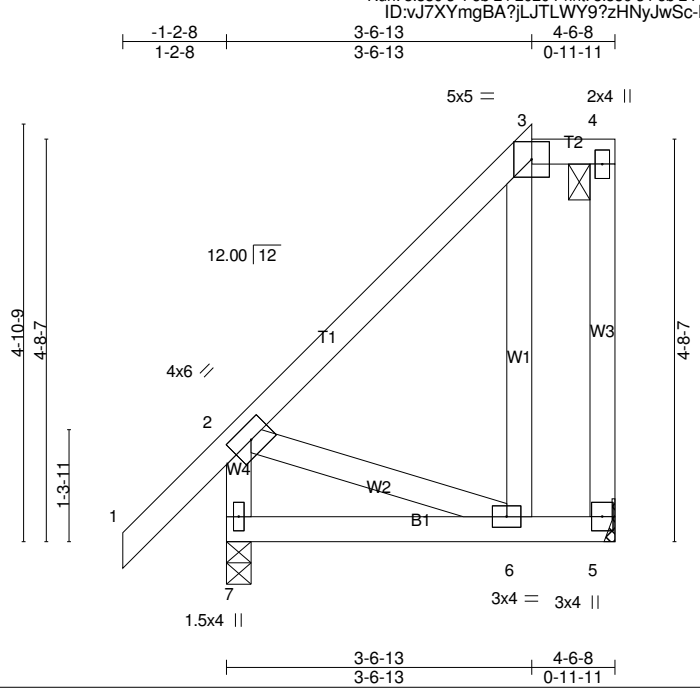

Scale = 1:26.9

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)	-0.02	6-7	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.03	6-7	>999	240		
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-MS							Weight: 37 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 4-6-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
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) 5=169/Mechanical, 7=287/0-3-8 (min. 0-1-8)
Max Horz 7=186(LC 13)
Max Uplift5=-95(LC 13), 7=-20(LC 16)
Max Grav 5=224(LC 40), 7=512(LC 36)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-445/127
BOT CHORD 6-7=-359/357
WEBS 2-6=-284/302

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, Lu=50-0-0
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) 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T08	Half Hip Girder	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. Thu Nov 12 14:13:59 2020 Page 1
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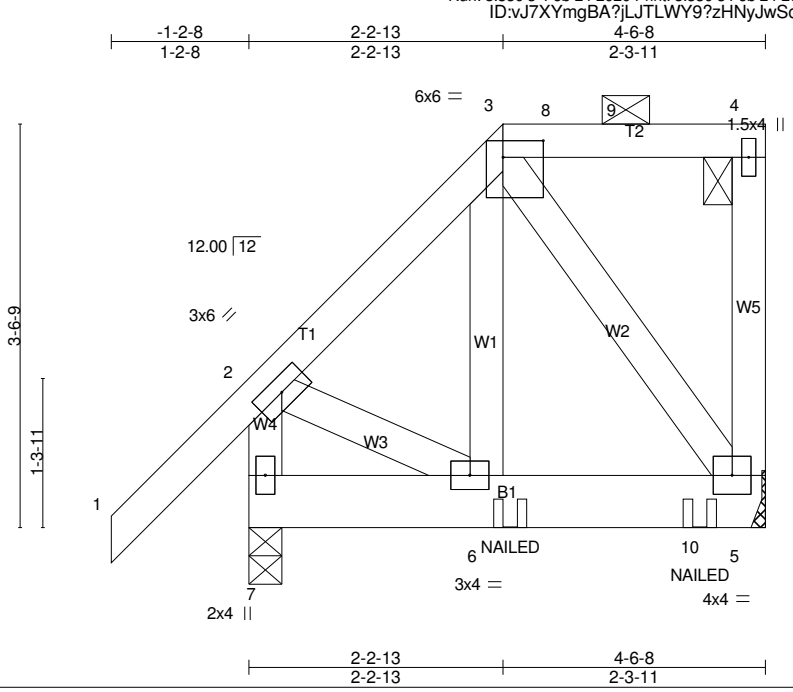

Plate Offsets (X,Y)-- [3:0-4-4,0-1-12]

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	0.33	Vert(LL)	-0.00	6	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	6	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	-0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							Weight: 39 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
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=372/0-3-8 (min. 0-1-8), 5=352/Mechanical
Max Horz 7=140(LC 13)
Max Uplift 7=-95(LC 16), 5=-178(LC 13)
Max Grav 7=552(LC 36), 5=444(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-290/133, 2-7=-532/186

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, Lu=50-0-0
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) 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=178.
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) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-66, 2-3=-66, 3-4=-66, 5-7=-20

Concentrated Loads (lb)

Vert: 6=-131(B) 10=-137(B)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T10	Roof Special	7	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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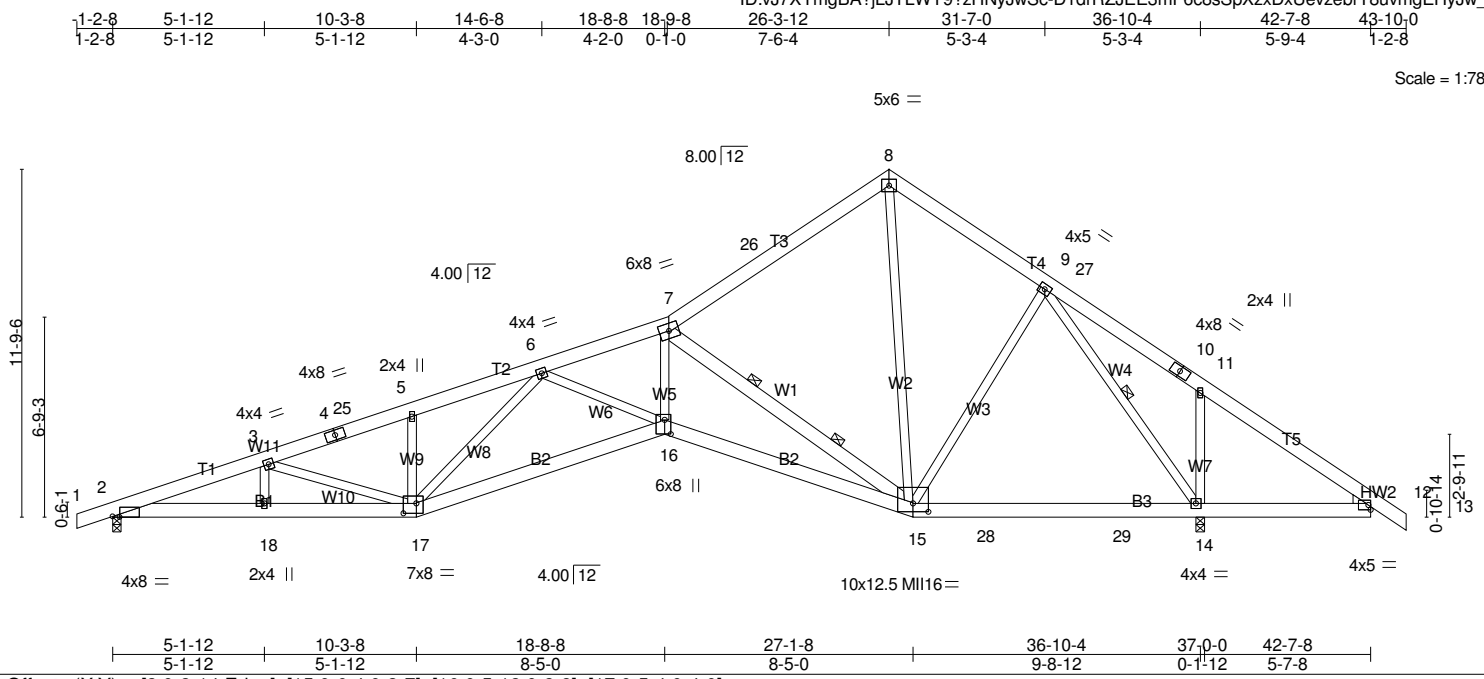

Plate Offsets (X,Y)-- [2:0-2-14,Edge], [15:0-6-4,0-3-7], [16:0-5-12,0-2-8], [17:0-5-4,0-4-0]

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	0.58	Vert(LL)	-0.39	16	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.67	16-17	>656	240	MII16	174/126
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.28	14	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 329 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W9,W5: 2x4 SP No.2, W1: 2x6 SP No.2
WEDGE
Right: 2x4 SP No.3

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

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

REACTIONS. (lb/size) 2=1617/0-3-8 (min. 0-2-3), 14=2217/0-3-8 (min. 0-3-1)
Max Horz 2=316(LC 15)
Max Uplift 2=-242(LC 16), 14=-205(LC 17)
Max Grav 2=1879(LC 2), 14=2577(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4630/730, 3-4=-4079/643, 4-25=-4031/643, 5-25=-4020/653, 5-6=-4091/720, 6-7=-4882/674, 7-26=-1386/270, 8-26=-1230/299, 8-9=-1406/334, 9-27=-73/595, 10-27=-103/573, 10-11=-108/385, 11-12=-295/646
BOT CHORD 2-18=-670/4358, 17-18=-670/4358, 16-17=-653/4636, 15-16=-579/4736, 15-28=-27/820, 28-29=-27/820, 14-29=-27/820, 12-14=-412/333
WEBS 3-17=-563/158, 5-17=-468/181, 6-17=-857/104, 6-16=-40/414, 7-15=-4341/657, 8-15=-165/855, 9-15=-38/532, 9-14=-2177/384, 11-14=-536/278, 7-16=-306/3006

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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=242, 14=205.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T11	Common	4	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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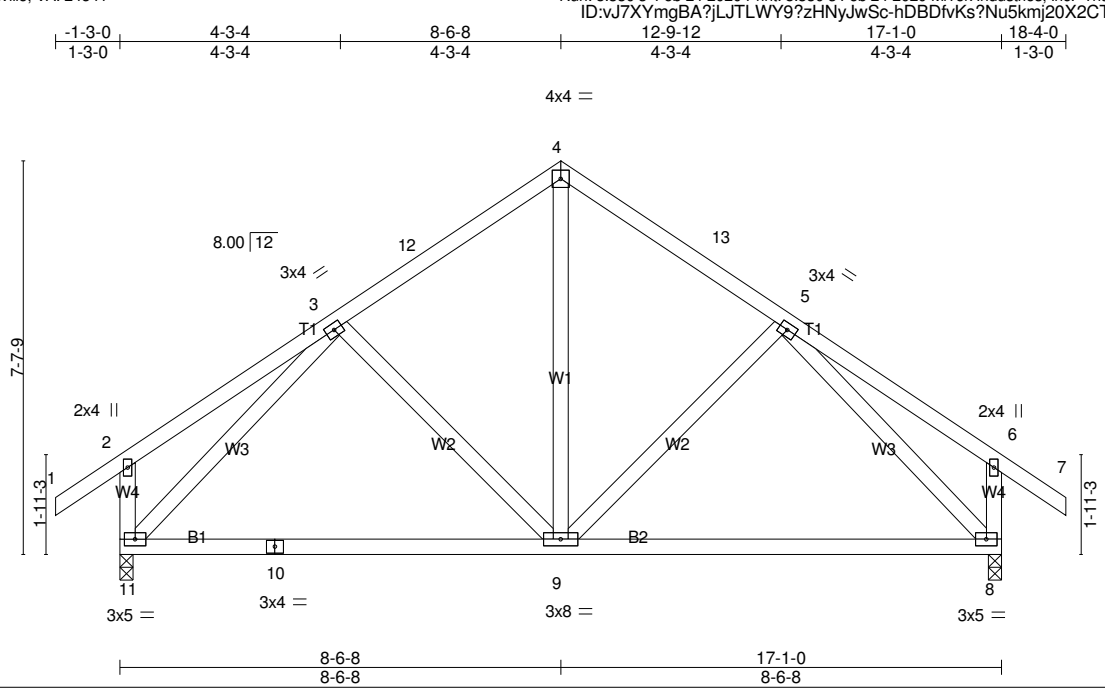

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.10	8-9	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.20	8-9	>987	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.02	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 110 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 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) 11=816/0-3-0 (min. 0-1-8), 8=816/0-3-0 (min. 0-1-8)
Max Horz 11=223(LC 15)
Max Uplift 11=-95(LC 16), 8=-95(LC 17)
Max Grav 11=951(LC 2), 8=951(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-12=-706/157, 4-12=-603/175, 4-13=-603/175, 5-13=-706/157, 2-11=-300/145, 6-8=-300/145
BOT CHORD 10-11=-76/617, 9-10=-76/617, 8-9=-54/577
WEBS 4-9=-81/369, 3-11=-784/93, 5-8=-784/93

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 100 lb uplift at joint(s) 11, 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T12	Hip Girder	1	2	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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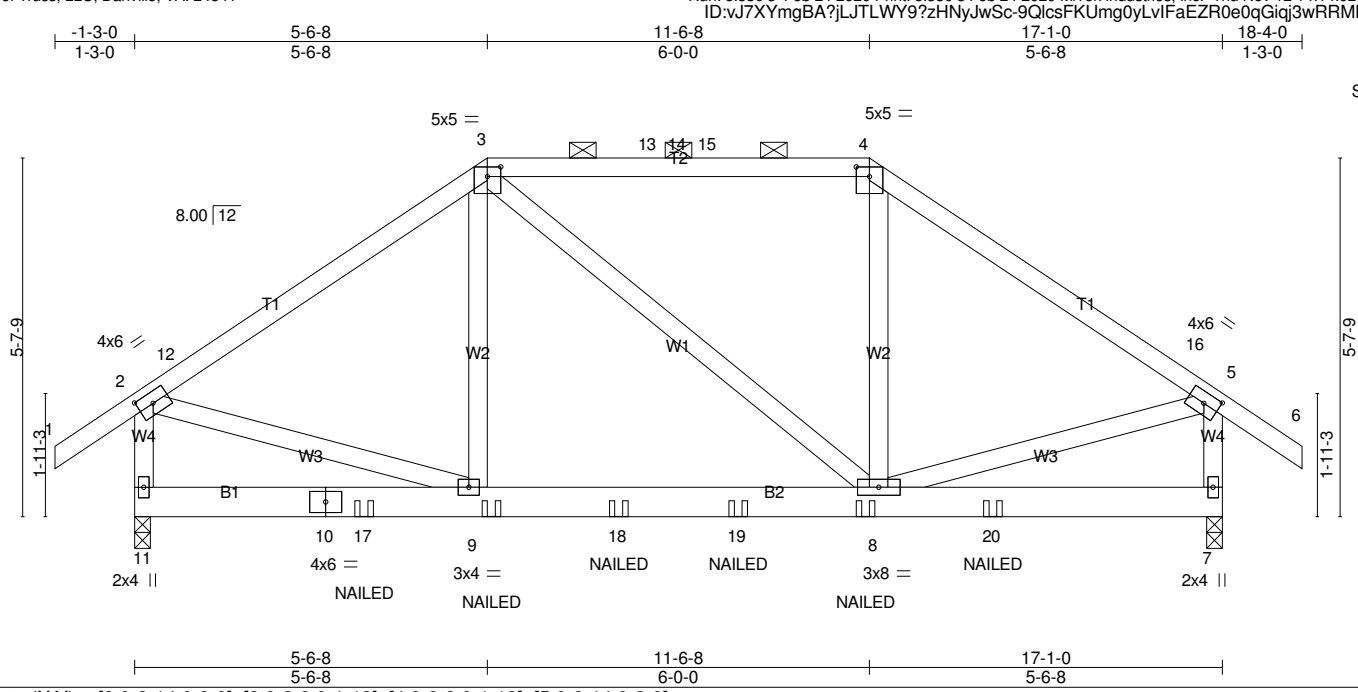

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [3:0-2-8,0-1-13], [4:0-2-8,0-1-13], [5:0-2-14,0-2-0]

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	0.64	Vert(LL)	0.04	8-9	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.04	8-9	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 237 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 11=1210/0-3-0 (min. 0-1-8), 7=1210/0-3-0 (min. 0-1-8)
Max Horz 11=-172(LC 14)
Max Uplift 11=-667(LC 16), 7=-667(LC 17)
Max Grav 11=1461(LC 39), 7=1461(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-1293/783, 3-12=-1187/816, 3-13=-993/716, 13-14=-993/716, 14-15=-993/716, 4-15=-993/716, 4-16=-1187/816, 5-16=-1293/783, 2-11=-1359/735, 5-7=-1359/735
BOT CHORD 10-11=-166/266, 10-17=-166/266, 9-17=-166/266, 9-18=-618/1044, 18-19=-618/1044, 8-19=-618/1044
WEBS 3-9=-347/435, 4-8=-344/450, 2-9=-606/1007, 5-8=-608/1008

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, Lu=50-0-0
6) Unbalanced snow loads have been considered for this design.
7) 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.
8) Provide adequate drainage to prevent water ponding.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=667 , 7=667.
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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-66, 2-3=-66, 3-4=-66, 4-5=-66, 5-6=-66, 7-11=-20
   Concentrated Loads (lb)
      Vert: 9=-93(B) 8=-93(B) 17=-207(B) 18=-93(B) 19=-93(B) 20=-207(B)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T13	Roof Special	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. Thu Nov 12 14:14:03 2020 Page 1
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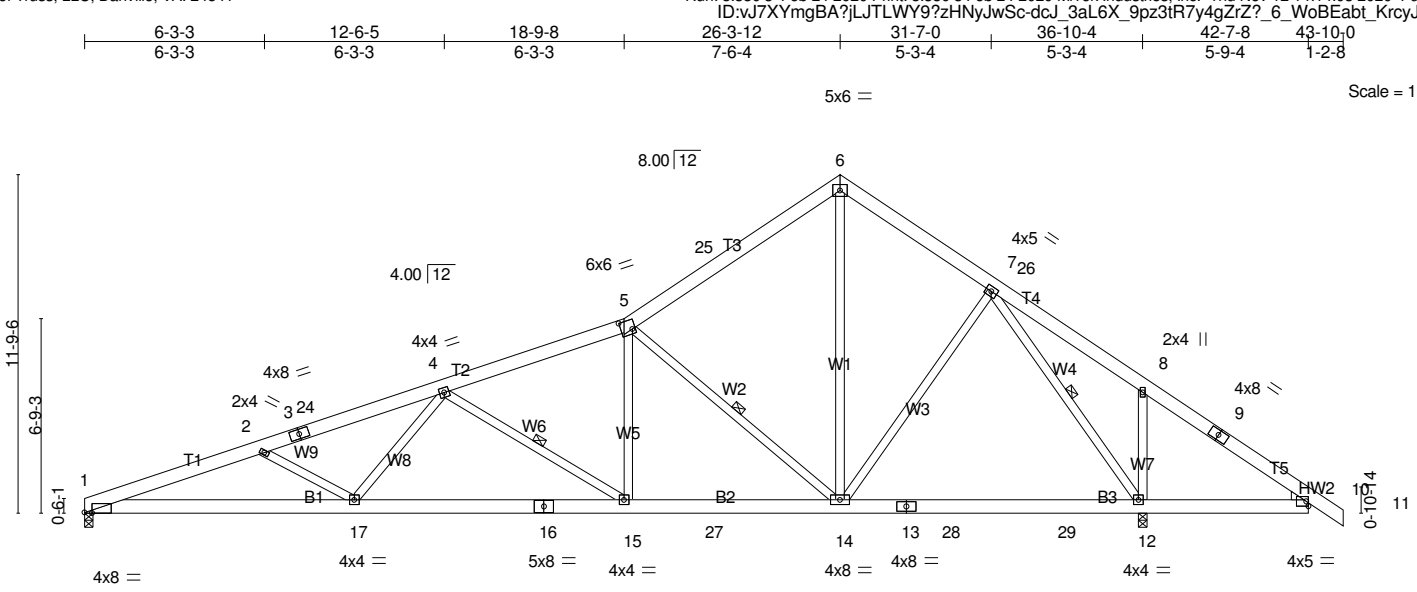

Plate Offsets (X,Y)-- [1:0-3-2,Edge], [5:0-4-12,0-4-0]

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	0.57	Vert(LL)	-0.23	15-17	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.42	15-17	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.10	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 313 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-15, 5-14, 7-12

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

REACTIONS. (lb/size) 1=1536/0-3-8 (min. 0-2-2), 12=2219/0-3-8 (min. 0-3-1)
Max Horz 1=307(LC 15)
Max Uplift 1=-216(LC 16), 12=-205(LC 17)
Max Grav 1=1781(LC 2), 12=2578(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4634/784, 2-3=-4138/625, 3-24=-4089/627, 4-24=-4061/645, 4-5=-2759/466, 5-25=-1502/284, 6-25=-1338/312, 6-7=-1444/334, 7-26=-74/593, 8-26=-109/578, 8-9=-281/643, 9-10=-297/492
BOT CHORD 1-17=-714/4366, 16-17=-504/3474, 15-16=-504/3474, 15-27=-300/2557, 14-27=-300/2557, 13-14=-27/820, 13-28=-27/820, 28-29=-27/820, 12-29=-27/820, 10-12=-409/334
WEBS 2-17=-602/253, 4-17=-20/639, 4-15=-1201/302, 5-15=-75/822, 5-14=-1880/425, 6-14=-171/963, 7-14=-39/526, 7-12=-2172/386, 8-12=-534/278

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 100 lb uplift at joint(s) except (jt=lb) 1=216, 12=205.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T14	Roof Special	2	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. Thu Nov 12 14:14:04 2020 Page 1
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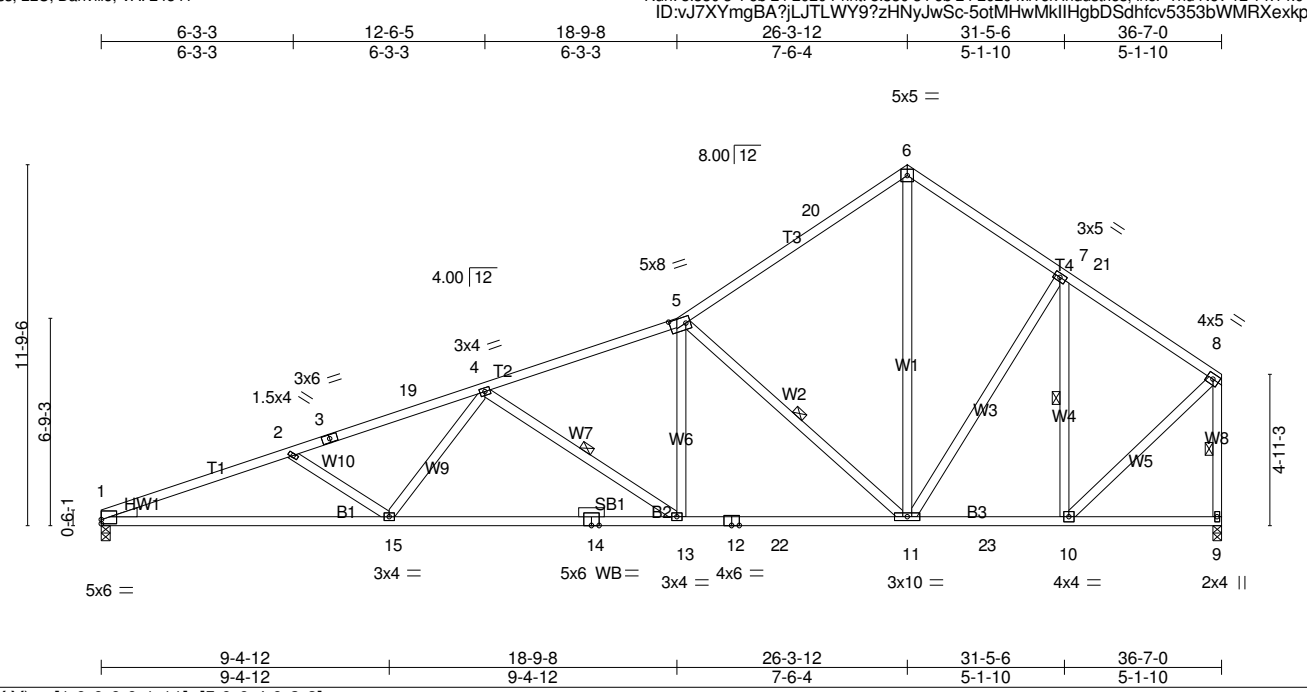

Plate Offsets (X,Y)-- [1:0-0-0,0-1-11], [5:0-6-4,0-2-8]

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	0.97	Vert(LL)	-0.33	13-15	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.63	13-15	>690	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.12	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 225 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T3: 2x4 SP DSS, T1: 2x4 SP No.1
BOT CHORD 2x4 SP DSS *Except*
B2: 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-8 oc bracing.
WEBS 1 Row at midpt 4-13, 5-11, 7-10, 8-9

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

REACTIONS. (lb/size) 1=1570/0-3-8 (min. 0-1-13), 9=1570/0-3-8 (min. 0-1-13)
Max Horz 1=370(LC 15)
Max Uplift 1=-212(LC 16), 9=-152(LC 16)
Max Grav 1=1822(LC 2), 9=1822(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4490/798, 2-3=-4045/660, 3-19=-3972/666, 4-19=-3942/679, 4-5=-2824/520, 5-20=-1587/352, 6-20=-1376/377, 6-7=-1536/404, 7-21=-1081/288, 8-21=-1303/285, 8-9=-1774/298
BOT CHORD 1-15=-939/4173, 14-15=-736/3461, 13-14=-736/3461, 12-13=-498/2616, 12-22=-498/2616, 11-22=-498/2616, 11-23=-190/1004, 10-23=-190/1004
WEBS 2-15=-500/238, 4-15=-11/540, 4-13=-1049/289, 5-13=-61/779, 5-11=-1890/428, 6-11=-254/1068, 7-11=-93/439, 7-10=-831/207, 8-10=-201/1356

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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=212, 9=152.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T15	Roof Special	3	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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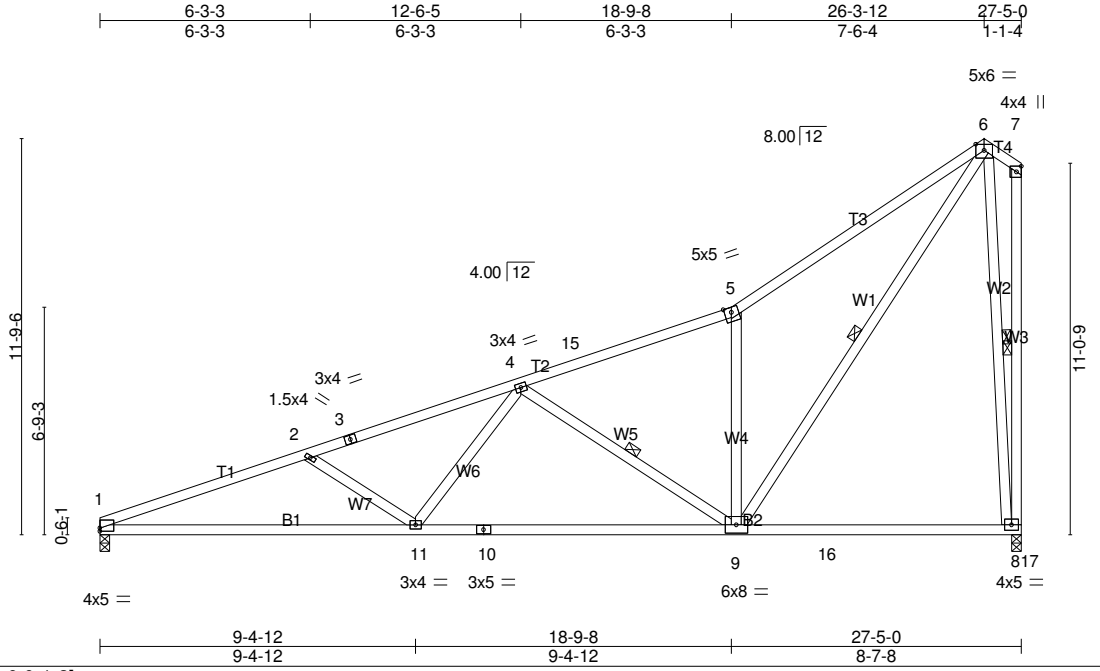

Plate Offsets (X,Y)-- [1:0-0-0,0-1-3]

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	0.79	Vert(LL)	-0.25	8-9	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.43	9-11	>760	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.07	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 172 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T3: 2x4 SP DSS
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except* W3: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.
WEBS 1 Row at midpt 4-9, 6-9, 7-8, 6-8

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

REACTIONS. (lb/size) 1=1175/0-3-8 (min. 0-1-10), 8=1175/0-3-8 (min. 0-1-10)
Max Horz 1=450(LC 15)
Max Uplift 1=-170(LC 12), 8=-231(LC 16)
Max Grav 1=1364(LC 2), 8=1364(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3179/578, 2-3=-2707/433, 3-4=-2631/455, 4-15=-1422/266, 5-15=-1337/287, 5-6=-1662/488, 6-7=-289/289, 7-8=-290/334
BOT CHORD 1-11=-824/2940, 10-11=-591/2157, 9-10=-591/2157
WEBS 2-11=-537/253, 4-11=-40/583, 4-9=-1077/307, 5-9=-937/350, 6-9=-503/2072, 6-8=-1447/632

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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=170, 8=231.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T16	Roof Special	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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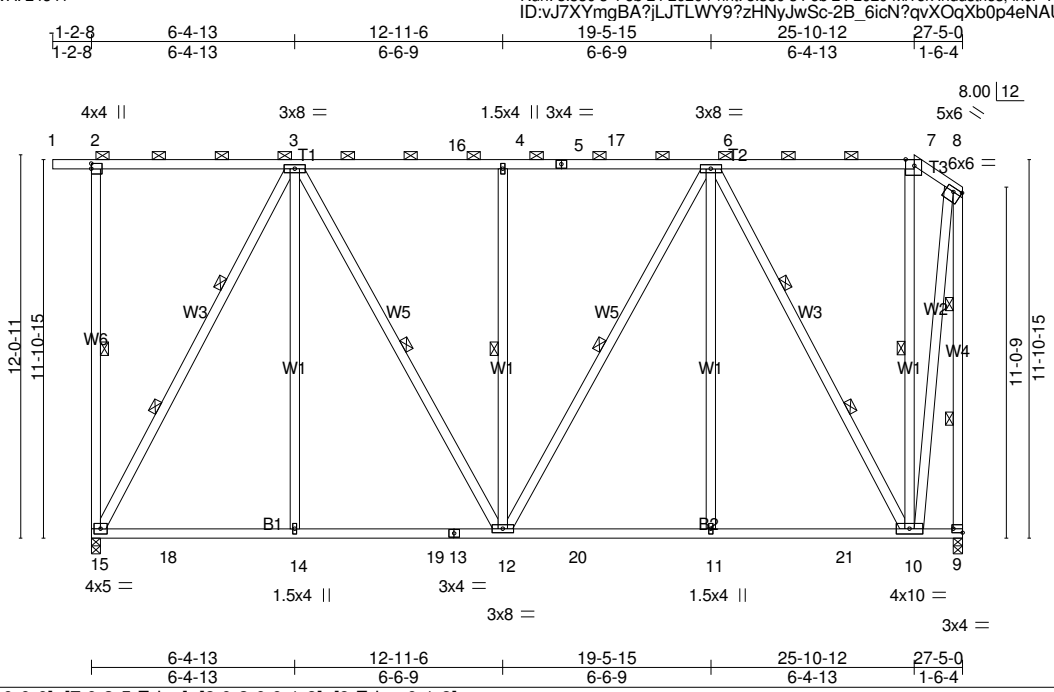

Plate Offsets (X,Y)-- [2:0-2-0,0-0-0], [7:0-3-5,Edge], [8:0-3-0,0-1-8], [9:Edge,0-1-8]

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	0.96	Vert(LL)	-0.09	10-11	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.15	10-11	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.03	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 277 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 *Except*
W6: 2x4 SP DSS, W3: 2x4 SP No.2, W4: 2x4 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 1-7.
BOT CHORD Rigid ceiling directly applied or 8-11-9 oc bracing.
WEBS 1 Row at midpt 2-15, 3-12, 4-12, 6-12, 7-10
2 Rows at 1/3 pts 3-15, 6-10, 8-9

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

REACTIONS. (lb/size) 15=1261/0-3-8 (min. 0-2-4), 9=1167/0-3-8 (min. 0-1-15)
Max Horz 15=-421(LC 12)
Max Uplift 15=-343(LC 12), 9=-230(LC 13)
Max Grav 15=1908(LC 35), 9=1653(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-488/144, 3-16=-996/195, 4-16=-996/195, 4-17=-996/195, 5-17=-996/195, 5-6=-996/195, 6-7=-287/199, 7-8=-358/275, 8-9=-1616/214
BOT CHORD 15-18=-382/843, 14-18=-382/843, 14-19=-382/843, 13-19=-382/843, 12-13=-382/843, 12-20=-279/884, 11-20=-279/884, 11-21=-279/884, 10-21=-279/884
WEBS 3-15=-1556/337, 3-14=0/391, 3-12=-213/512, 4-12=-545/186, 6-12=-161/306, 6-11=0/380, 6-10=-1371/295, 7-10=-294/218, 8-10=-319/1558

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, Lu=50-0-0
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) 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 = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=343, 9=230.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T17	Flat	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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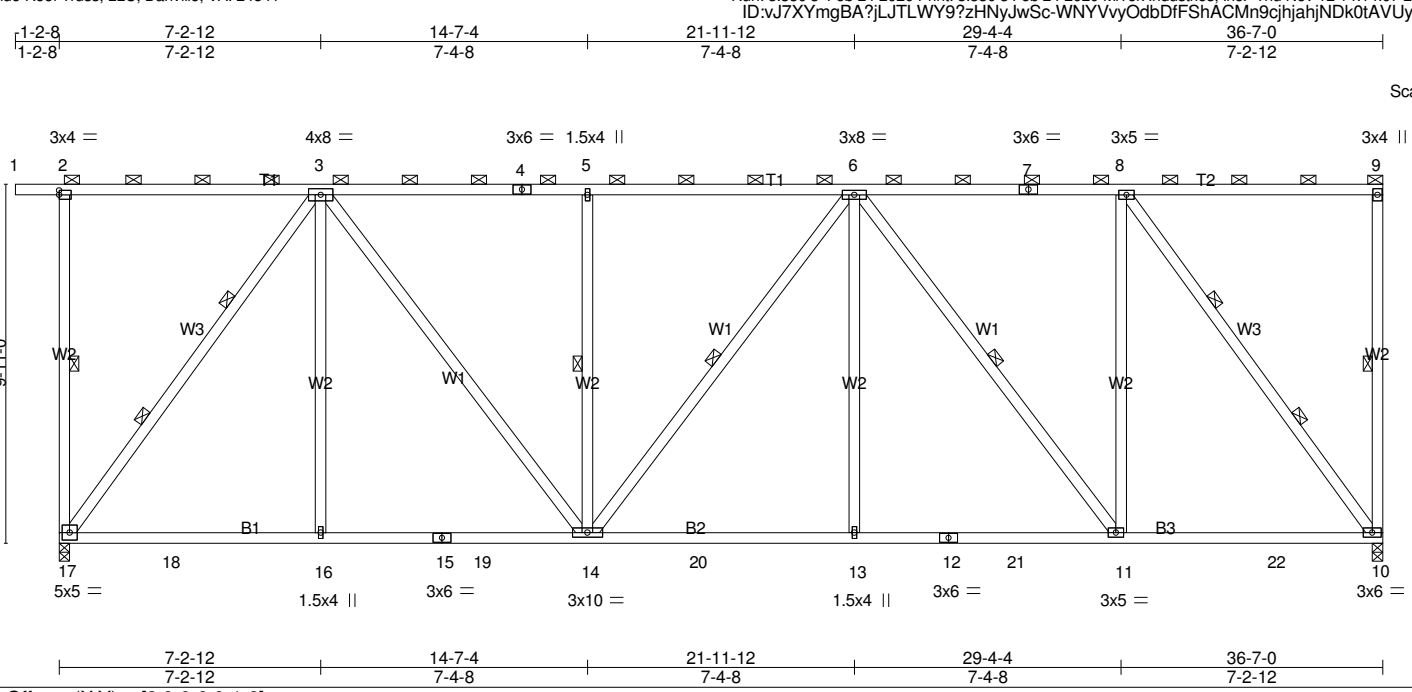

Plate Offsets (X,Y)-- [2:0-0-0,0-1-8]

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	0.98	Vert(LL)	-0.15	13-14	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.26	13-14	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.08	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 280 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*
W3: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (2-2-0 max.): 1-9, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-8-2 oc bracing.
WEBS 1 Row at midpt 2-17, 9-10, 5-14, 6-14, 6-11
2 Rows at 1/3 pts 3-17, 8-10

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

REACTIONS. (lb/size) 17=1655/0-3-8 (min. 0-2-5), 10=1562/0-3-8 (min. 0-2-3)
Max Horz 17=-348(LC 12)
Max Uplift 17=-366(LC 12), 10=-312(LC 13)
Max Grav 17=1961(LC 3), 10=1859(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-357/137, 3-4=-1734/318, 4-5=-1734/318, 5-6=-1734/318, 6-7=-1173/278, 7-8=-1173/278
BOT CHORD 17-18=-433/1178, 16-18=-433/1178, 15-16=-433/1178, 15-19=-433/1178, 14-19=-433/1178, 14-20=-430/1763, 13-20=-430/1763, 12-13=-430/1763, 12-21=-430/1763, 11-21=-430/1763, 11-22=-298/1173, 10-22=-298/1173
WEBS 3-17=-1969/368, 3-16=0/427, 3-14=-218/922, 5-14=-584/209, 6-13=0/400, 6-11=-970/217, 8-11=-63/1063, 8-10=-1960/367

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, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=366, 10=312.
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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T18	Flat	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. Thu Nov 12 14:14:07 2020 Page 1
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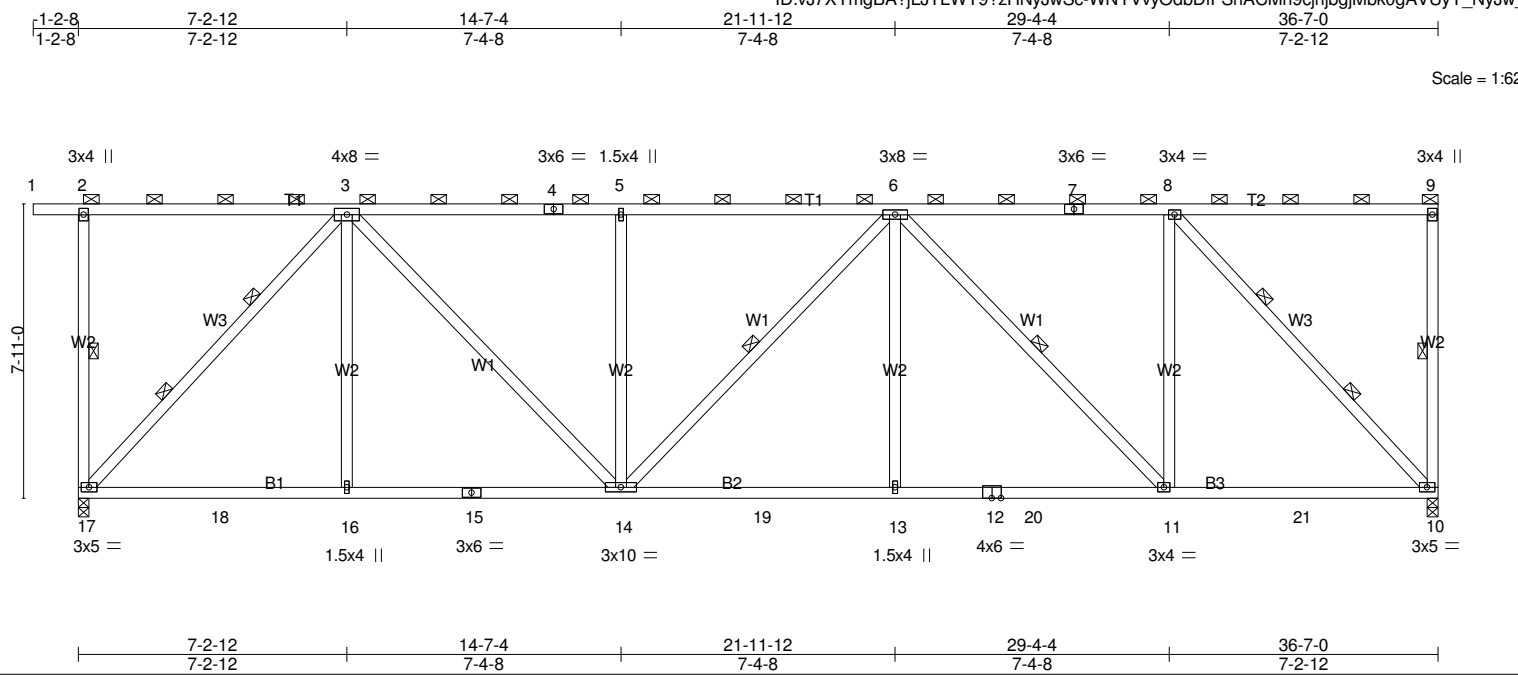

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.17	13-14	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.30	13-14	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.10	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 251 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 2-0-0 oc purlins (2-2-0 max.): 1-9, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-11 oc bracing.
WEBS 1 Row at midpt 2-17, 9-10, 6-14, 6-11
2 Rows at 1/3 pts 3-17, 8-10

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

REACTIONS. (lb/size) 17=1655/0-3-8 (min. 0-2-4), 10=1562/0-3-8 (min. 0-2-2)
Max Horz 17=-276(LC 12)
Max Uplift 17=-349(LC 12), 10=-295(LC 13)
Max Grav 17=1925(LC 2), 10=1813(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-360/130, 3-4=-2120/375, 4-5=-2120/375, 5-6=-2120/375, 6-7=-1434/302, 7-8=-1434/302
BOT CHORD 17-18=-424/1437, 16-18=-424/1437, 15-16=-424/1437, 14-15=-424/1437, 14-19=-464/2157, 13-19=-464/2157, 12-13=-464/2157, 12-20=-464/2157, 11-20=-464/2157, 11-21=-318/1434, 10-21=-318/1434
WEBS 3-17=-2088/371, 3-16=0/389, 3-14=-211/1020, 5-14=-585/206, 6-13=0/376, 6-11=-1040/209, 8-11=-46/1014, 8-10=-2084/372

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, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=349, 10=295.
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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T19	Flat Girder	1	2	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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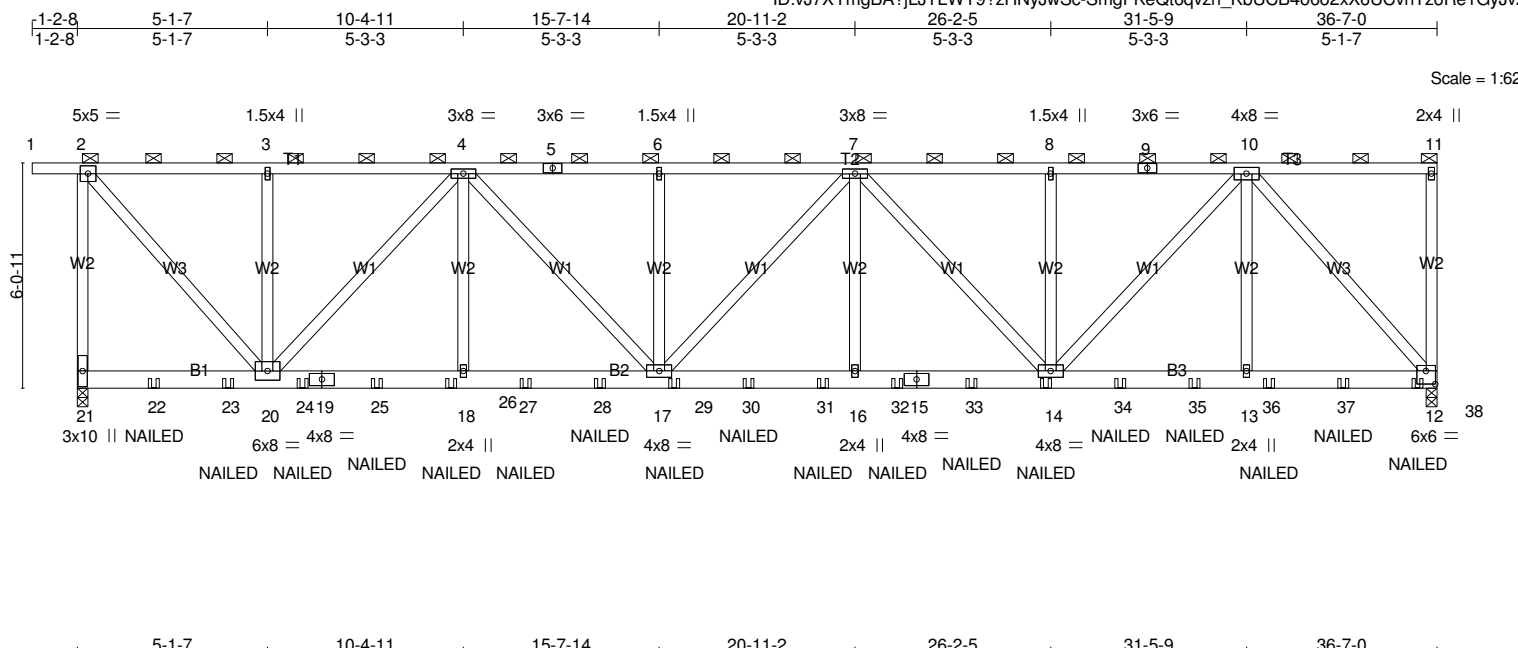

Plate Offsets (X,Y)-- [12:0-3-0,0-4-4]

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	0.48	Vert(LL)	0.21	16-17	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.28	16-17	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.07	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS							Weight: 560 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (5-1-10 max.): 1-11, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-11 oc bracing.

REACTIONS. (lb/size) 21=3163/0-3-8 (min. 0-2-1), 12=3225/0-3-8 (min. 0-2-2)
Max Horz 21=206(LC 15)
Max Uplift 21=-1849(LC 12), 12=-1888(LC 13)
Max Grav 21=3537(LC 2), 12=3628(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-3367/1762, 2-3=-2705/1487, 3-4=-2705/1487, 4-5=-5546/2931, 5-6=-5546/2931, 6-7=-5546/2931, 7-8=-4621/2458, 8-9=-4621/2458, 9-10=-4621/2458
BOT CHORD 20-24=-2550/4602, 19-24=-2550/4602, 19-25=-2550/4602, 25-26=-2550/4602, 18-26=-2550/4602, 18-27=-2550/4602, 27-28=-2550/4602, 17-28=-2550/4602, 17-29=-3006/5559, 29-30=-3006/5559, 30-31=-3006/5559, 16-31=-3006/5559, 16-32=-3006/5559, 15-32=-3006/5559, 15-33=-3006/5559, 14-33=-3006/5559, 14-34=-1493/2758, 34-35=-1493/2758, 13-35=-1493/2758, 13-36=-1493/2758, 36-37=-1493/2758, 37-38=-1493/2758, 12-38=-1493/2758
WEBS 2-20=-2163/4077, 3-20=-416/159, 4-20=-2792/1487, 4-18=-392/619, 4-17=-752/1388, 6-17=-413/147, 7-16=-388/616, 7-14=-1380/754, 8-14=-410/145, 10-14=-1471/2741, 10-13=-429/694, 10-12=-4158/2180

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) 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
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) 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) Provide adequate drainage to prevent water ponding.
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.

Continued on page 2

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=1849, 12=1888.
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) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 107 lb down and 90 lb up at 0-1-12 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: 1-2=-66, 2-11=-66, 12-21=-20
   Concentrated Loads (lb)
   Vert: 14=-175(B) 22=-175(B) 23=-175(B) 24=-175(B) 25=-175(B) 26=-175(B) 27=-175(B) 28=-175(B) 29=-175(B) 30=-175(B) 31=-175(B) 32=-175(B) 33=-175(B) 34=-175(B) 35=-179(B) 36=-179(B) 37=-179(B) 38=-185(B)

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	T20	Common	2	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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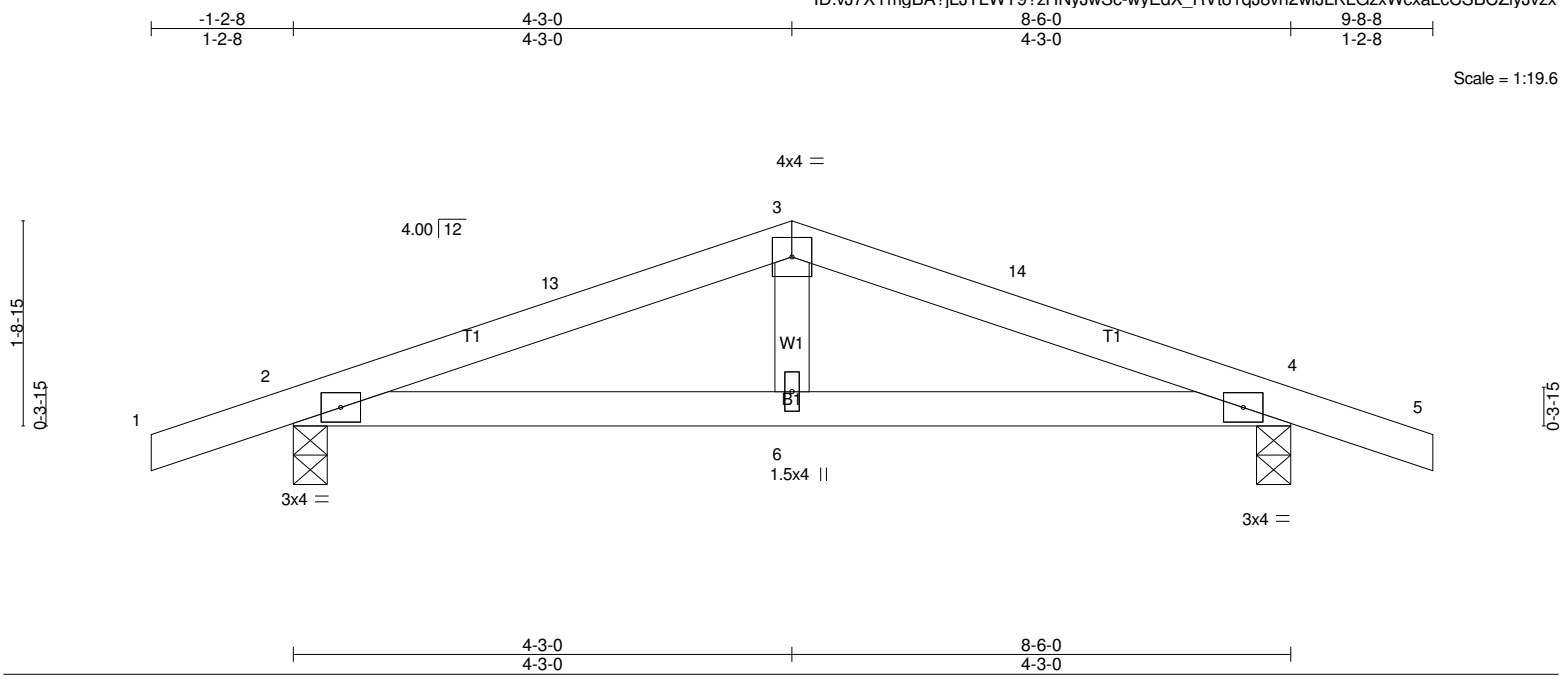

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.02	6-12	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.03	6-12	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP							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

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=446/0-3-8 (min. 0-1-8), 4=446/0-3-8 (min. 0-1-8)
Max Horz 2=30(LC 20)
Max Uplift 2=-98(LC 12), 4=-98(LC 13)
Max Grav 2=522(LC 2), 4=522(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-715/177, 3-13=-669/182, 3-14=-669/183, 4-14=-715/177
BOT CHORD 2-6=-102/635, 4-6=-102/635

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 100 lb uplift at joint(s) 2, 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	TG01	ATTIC	1	3	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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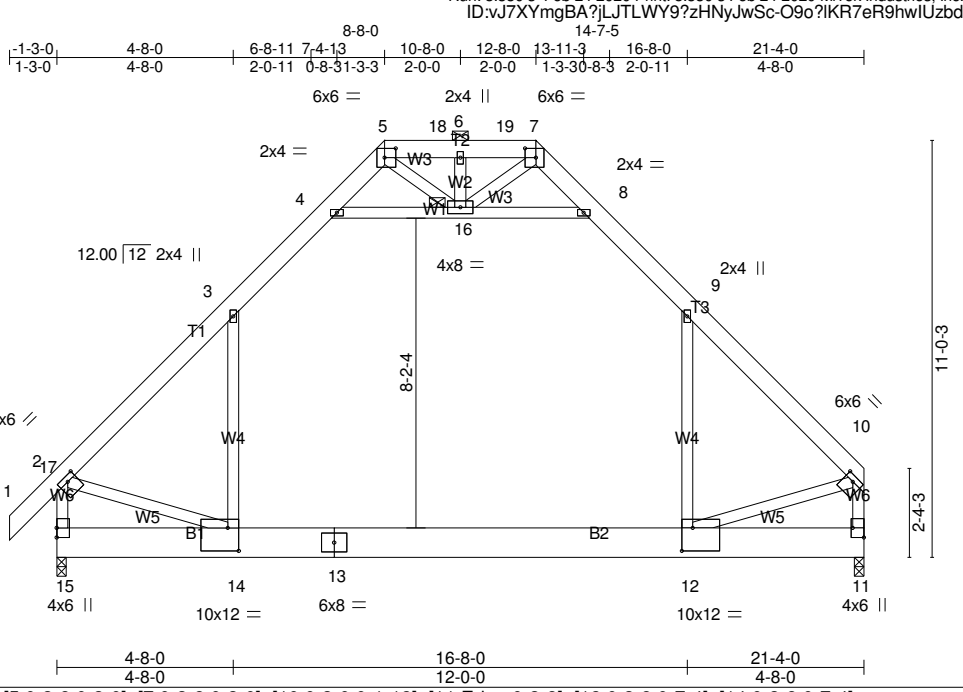

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [5:0-3-8,0-3-0], [7:0-3-8,0-3-0], [10:0-3-0,0-1-12], [11:Edge,0-3-8], [12:0-3-8,0-7-4], [14:0-3-8,0-7-4]

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	0.63	Vert(LL)	-0.07	12-14	>999	360	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.31	12-14	>820	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.01	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.04	12-14	3229	360	Weight: 628 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x6 SP 2400F 2.0E *Except*
T2: 2x6 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.3 *Except*
W4,W1: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS. (lb/size) 15=4167/0-3-0 (min. 0-1-14), 11=5676/0-3-0 (min. 0-2-7)
Max Horz 15=301(LC 13)
Max Grav 15=4783(LC 46), 11=6268(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5014/0, 3-4=-3289/0, 4-5=-879/0, 5-18=-1178/0, 6-18=-1178/0, 6-19=-1178/0, 7-19=-1178/0, 7-8=-902/0, 8-9=-3222/0, 9-10=-5104/0, 2-15=-5173/0, 10-11=-5152/0
BOT CHORD 14-15=-178/424, 13-14=0/3233, 12-13=0/3233, 11-12=0/324
WEBS 3-14=0/2181, 4-16=-3875/0, 8-16=-3739/0, 9-12=0/2411, 2-14=0/3264, 10-12=0/3128, 6-16=-1960/0, 5-16=0/1694, 7-16=0/1517

NOTES-

1) 3-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, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-6-0 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, Lu=50-0-0
6) Unbalanced snow loads have been considered for this design.
7) 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.
8) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-16, 8-16; Wall dead load (5.0psf) on member(s).3-14, 9-12
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
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.

Continued on page 2

NOTES-

14) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
16) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-66, 2-3=-66, 3-4=-76, 4-5=-66, 5-7=-66, 7-8=-66, 8-9=-76, 9-10=-66, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-80, 2-3=-80, 3-4=-90, 4-5=-80, 5-7=-80, 7-8=-80, 8-9=-90, 9-10=-80, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
3) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-65, 2-3=-65, 3-4=-75, 4-5=-65, 5-7=-65, 7-8=-65, 8-9=-75, 9-10=-65, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
4) Dead + 0.75 Snow (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-55, 2-3=-55, 3-4=-65, 4-5=-55, 5-7=-55, 7-8=-55, 8-9=-65, 9-10=-55, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
5) Dead + 0.75 Snow (Unbal. Left) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-55, 2-3=-55, 3-4=-65, 4-5=-55, 5-18=-55, 7-18=-68, 7-8=-30, 8-9=-40, 9-10=-30, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
6) Dead + 0.75 Snow (Unbal. Right) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-30, 2-3=-30, 3-4=-40, 4-5=-30, 5-19=-70, 7-19=-55, 7-8=-55, 8-9=-65, 9-10=-55, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-3=-20, 3-4=-30, 4-5=-20, 5-7=-20, 7-8=-20, 8-9=-30, 9-10=-20, 14-15=-168(F=-128), 12-14=-243(F=-213), 11-12=-621(F=-581), 4-8=-10
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=44, 2-3=24, 3-4=18, 4-5=24, 5-7=28, 7-8=24, 8-9=18, 9-10=24, 14-15=-140(F=-128), 12-14=-231(F=-213),
   11-12=-593(F=-581), 4-8=-6
   Horz: 1-2=-56, 2-5=-36, 7-10=36, 2-15=19, 10-11=33
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
9) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=19, 2-3=24, 3-4=18, 4-5=24, 5-7=28, 7-8=24, 8-9=18, 9-10=24, 14-15=-140(F=-128), 12-14=-231(F=-213),
   11-12=-593(F=-581), 4-8=-6
   Horz: 1-2=-31, 2-5=-36, 7-10=36, 2-15=-33, 10-11=-19
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
10) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=5, 2-3=-50, 3-4=-60, 4-5=-50, 5-7=-32, 7-8=-50, 8-9=-60, 9-10=-50, 14-15=-148(F=-128), 12-14=-243(F=-213),
   11-12=-601(F=-581), 4-8=-10
   Horz: 1-2=-25, 2-5=30, 7-10=-30, 2-15=-22, 10-11=-30
   Drag: 3-14=-10, 9-12=-10
   Concentrated Loads (lb)
   Vert: 6=-1810
11) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=-45, 2-3=-50, 3-4=-60, 4-5=-50, 5-7=-32, 7-8=-50, 8-9=-60, 9-10=-50, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=25, 2-5=30, 7-10=-30, 2-15=30, 10-11=22
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

12) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-15, 3-4=-21, 4-5=-15, 5-7=27, 7-8=10, 8-9=4, 9-10=10, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-10, 2-5=3, 7-10=22, 2-15=16, 10-11=20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

13) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-3=10, 3-4=4, 4-5=10, 5-7=27, 7-8=-15, 8-9=-21, 9-10=-15, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-16, 2-5=-22, 7-10=-3, 2-15=-20, 10-11=-16
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

14) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-3=-34, 3-4=-44, 4-5=-34, 5-7=8, 7-8=-9, 8-9=-19, 9-10=-9, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=8, 2-5=14, 7-10=11, 2-15=27, 10-11=9
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

15) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-3=-9, 3-4=-19, 4-5=-9, 5-7=8, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-16, 2-5=-11, 7-10=-14, 2-15=-9, 10-11=-27
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

16) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=27, 3-4=21, 4-5=27, 5-6=27, 6-7=10, 7-8=10, 8-9=4, 9-10=10, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-33, 2-5=-39, 7-10=22, 2-15=13, 10-11=19
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

17) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-3=10, 3-4=4, 4-5=10, 5-6=10, 6-7=27, 7-8=27, 8-9=21, 9-10=27, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-16, 2-5=-22, 7-10=39, 2-15=-19, 10-11=-13
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

18) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-3=15, 3-4=9, 4-5=15, 5-6=15, 6-7=5, 7-8=5, 8-9=-1, 9-10=5, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-21, 2-5=-27, 7-10=17, 2-15=7, 10-11=15
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

19) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-3=5, 3-4=-1, 4-5=5, 5-6=5, 6-7=15, 7-8=15, 8-9=9, 9-10=15, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-11, 2-5=-17, 7-10=27, 2-15=-15, 10-11=-7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

20) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-3=8, 3-4=-2, 4-5=8, 5-6=8, 6-7=-9, 7-8=-9, 8-9=-19, 9-10=-9, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-33, 2-5=-28, 7-10=11, 2-15=24, 10-11=8
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

21) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

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LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=-4, 2-3=-9, 3-4=-19, 4-5=-9, 5-6=-9, 6-7=8, 7-8=8, 8-9=-2, 9-10=8, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-16, 2-5=-11, 7-10=28, 2-15=-8, 10-11=-24
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
22) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-66, 2-5=-20, 5-7=-20, 7-10=-20, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581)
Concentrated Loads (lb)
Vert: 6=-1810
23) Dead + Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-30, 4-5=-20, 5-7=-20, 7-8=-20, 8-9=-30, 9-10=-20, 14-15=-148(F=-128), 12-14=-323(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
24) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-66, 2-3=-66, 3-4=-76, 4-5=-66, 5-18=-66, 7-18=-84, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
25) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-34, 2-3=-34, 3-4=-44, 4-5=-34, 5-19=-87, 7-19=-66, 7-8=-66, 8-9=-76, 9-10=-66, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
26) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-30, 4-5=-20, 5-7=-20, 7-8=-20, 8-9=-30, 9-10=-20, 14-15=-148(F=-128), 12-14=-323(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
27) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-65, 3-4=-75, 4-5=-65, 5-7=-34, 7-8=-47, 8-9=-57, 9-10=-47, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
28) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-42, 2-3=-47, 3-4=-57, 4-5=-47, 5-7=-34, 7-8=-65, 8-9=-75, 9-10=-65, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
29) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-30, 2-3=-34, 3-4=-44, 4-5=-34, 5-6=-34, 6-7=-47, 7-8=-47, 8-9=-57, 9-10=-47, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
30) Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-42, 2-3=-47, 3-4=-57, 4-5=-47, 5-6=-47, 6-7=-34, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
31) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-71, 2-3=-75, 3-4=-85, 4-5=-75, 5-7=-44, 7-8=-57, 8-9=-67, 9-10=-57, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810
32) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

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LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=-53, 2-3=-57, 3-4=-67, 4-5=-57, 5-7=-44, 7-8=-75, 8-9=-85, 9-10=-75, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

33) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-3=-44, 3-4=-54, 4-5=-44, 5-6=-44, 6-7=-57, 7-8=-57, 8-9=-67, 9-10=-57, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

34) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-3=-57, 3-4=-67, 4-5=-57, 5-6=-57, 6-7=-44, 7-8=-44, 8-9=-54, 9-10=-44, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

35) 3rd Dead + 0.75 Snow (Unbal. Left) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-30, 2-3=-30, 3-4=-40, 4-5=-30, 5-18=-55, 7-18=-68, 7-8=-30, 8-9=-40, 9-10=-30, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

36) 4th Dead + 0.75 Snow (Unbal. Left) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-55, 2-3=-55, 3-4=-84, 4-5=-74, 5-7=-30, 7-8=-30, 8-9=-40, 9-10=-30, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

37) 5th Dead + 0.75 Snow (Unbal. Right) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-30, 2-3=-30, 3-4=-40, 4-5=-30, 5-19=-70, 7-19=-55, 7-8=-30, 8-9=-40, 9-10=-30, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

38) 6th Dead + 0.75 Snow (Unbal. Right) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-30, 2-3=-30, 3-4=-40, 4-5=-30, 5-7=-30, 7-8=-76, 8-9=-86, 9-10=-55, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

39) 7th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-34, 2-3=-34, 3-4=-44, 4-5=-34, 5-7=-129, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

40) 8th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-17=-66, 2-17=-129, 2-3=-129, 3-4=-139, 4-5=-129, 5-7=-34, 7-8=-129, 8-9=-139, 9-10=-129, 14-15=-148(F=-128),
12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

41) 9th Unbal.Dead + Snow (Unbal. Left) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-34, 2-3=-34, 3-4=-44, 4-5=-34, 5-18=-66, 7-18=-84, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128),
12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

42) 10th Unbal.Dead + Snow (Unbal. Left) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-66, 2-3=-66, 3-4=-102, 4-5=-92, 5-7=-34, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128), 12-14=-243(F=-213),
11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

43) 11th Unbal.Dead + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-34, 2-3=-34, 3-4=-44, 4-5=-34, 5-19=-87, 7-19=-66, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128),
12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

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LOAD CASE(S) Standard

44) 12th Unbal.Dead + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-34, 2-3=-34, 3-4=-44, 4-5=-34, 5-7=-34, 7-8=-94, 8-9=-104, 9-10=-66, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

45) 13th Unbal.Dead + 0.75 Snow (balanced) + 0.75 Attic Floor + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-30, 2-3=-30, 3-4=-40, 4-5=-30, 5-7=-102, 7-8=-30, 8-9=-40, 9-10=-30, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

46) 14th Unbal.Dead + 0.75 Snow (balanced) + 0.75 Attic Floor + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-17=-55, 2-17=-102, 2-3=-102, 3-4=-112, 4-5=-102, 5-7=-30, 7-8=-102, 8-9=-112, 9-10=-102, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

47) 15th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-41, 3-4=-51, 4-5=-41, 5-7=-81, 7-8=-22, 8-9=-32, 9-10=-22, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

48) 16th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-17=-61, 2-17=-108, 2-3=-112, 3-4=-122, 4-5=-112, 5-7=-10, 7-8=-94, 8-9=-104, 9-10=-94, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

49) 17th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-22, 3-4=-32, 4-5=-22, 5-7=-81, 7-8=-41, 8-9=-51, 9-10=-41, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

50) 18th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-17=-42, 2-17=-90, 2-3=-94, 3-4=-104, 4-5=-94, 5-7=-10, 7-8=-112, 8-9=-122, 9-10=-112, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

51) 19th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 3-4=-20, 4-5=-10, 5-6=-81, 6-7=-94, 7-8=-22, 8-9=-32, 9-10=-22, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

52) 20th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-17=-30, 2-17=-77, 2-3=-81, 3-4=-91, 4-5=-81, 5-6=-10, 6-7=-22, 7-8=-94, 8-9=-104, 9-10=-94, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

53) 21st Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-22, 3-4=-32, 4-5=-22, 5-6=-94, 6-7=-81, 7-8=-10, 8-9=-20, 9-10=-10, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

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LOAD CASE(S) Standard

54) 22nd Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-17=-42, 2-17=-90, 2-3=-94, 3-4=-104, 4-5=-94, 5-6=-22, 6-7=-10, 7-8=-81, 8-9=-91, 9-10=-81, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

55) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 3-4=-90, 4-5=-80, 5-7=-80, 7-8=-20, 8-9=-30, 9-10=-20, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

56) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-30, 4-5=-20, 5-7=-80, 7-8=-80, 8-9=-90, 9-10=-80, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

57) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-65, 2-3=-65, 3-4=-75, 4-5=-65, 5-7=-65, 7-8=-20, 8-9=-30, 9-10=-20, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

58) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-30, 4-5=-20, 5-7=-65, 7-8=-65, 8-9=-75, 9-10=-65, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

59) Reversal: Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=44, 2-3=24, 3-4=18, 4-5=24, 5-7=28, 7-8=24, 8-9=18, 9-10=24, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-56, 2-5=-36, 7-10=36, 2-15=19, 10-11=33
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

60) Reversal: Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=19, 2-3=24, 3-4=18, 4-5=24, 5-7=28, 7-8=24, 8-9=18, 9-10=24, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-31, 2-5=-36, 7-10=36, 2-15=-33, 10-11=-19
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

61) Reversal: Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=-50, 3-4=-60, 4-5=-50, 5-7=-32, 7-8=-50, 8-9=-60, 9-10=-50, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=30, 7-10=-30, 2-15=-22, 10-11=-30
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

62) Reversal: Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-45, 2-3=-50, 3-4=-60, 4-5=-50, 5-7=-32, 7-8=-50, 8-9=-60, 9-10=-50, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=25, 2-5=30, 7-10=-30, 2-15=30, 10-11=22
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

63) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-15, 3-4=-21, 4-5=-15, 5-7=27, 7-8=10, 8-9=4, 9-10=10, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-10, 2-5=3, 7-10=22, 2-15=16, 10-11=20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

64) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=4, 2-3=10, 3-4=4, 4-5=10, 5-7=27, 7-8=-15, 8-9=-21, 9-10=-15, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-16, 2-5=-22, 7-10=-3, 2-15=-20, 10-11=-16
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

65) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-3=-34, 3-4=-44, 4-5=-34, 5-7=8, 7-8=-9, 8-9=-19, 9-10=-9, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=8, 2-5=14, 7-10=11, 2-15=27, 10-11=9
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

66) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-3=-9, 3-4=-19, 4-5=-9, 5-7=8, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-16, 2-5=-11, 7-10=-14, 2-15=-9, 10-11=-27
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

67) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=27, 3-4=21, 4-5=27, 5-6=27, 6-7=10, 7-8=10, 8-9=4, 9-10=10, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-33, 2-5=-39, 7-10=22, 2-15=13, 10-11=19
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

68) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-3=10, 3-4=4, 4-5=10, 5-6=10, 6-7=27, 7-8=27, 8-9=21, 9-10=27, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-16, 2-5=-22, 7-10=39, 2-15=-19, 10-11=-13
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

69) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-3=15, 3-4=9, 4-5=15, 5-6=15, 6-7=5, 7-8=5, 8-9=-1, 9-10=5, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-21, 2-5=-27, 7-10=17, 2-15=7, 10-11=15
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

70) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-3=5, 3-4=-1, 4-5=5, 5-6=5, 6-7=15, 7-8=15, 8-9=9, 9-10=15, 14-15=-140(F=-128), 12-14=-231(F=-213), 11-12=-593(F=-581), 4-8=-6
Horz: 1-2=-11, 2-5=-17, 7-10=27, 2-15=-15, 10-11=-7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

71) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=13, 2-3=8, 3-4=-2, 4-5=8, 5-6=8, 6-7=-9, 7-8=-9, 8-9=-19, 9-10=-9, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-33, 2-5=-28, 7-10=11, 2-15=24, 10-11=8
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

72) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-3=-9, 3-4=-19, 4-5=-9, 5-6=-9, 6-7=8, 7-8=8, 8-9=-2, 9-10=8, 14-15=-148(F=-128), 12-14=-243(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-16, 2-5=-11, 7-10=28, 2-15=-8, 10-11=-24
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

73) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-65, 3-4=-75, 4-5=-65, 5-7=-34, 7-8=-47, 8-9=-57, 9-10=-47, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

74) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

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LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=-42, 2-3=-47, 3-4=-57, 4-5=-47, 5-7=-34, 7-8=-65, 8-9=-75, 9-10=-65, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

75) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-30, 2-3=-34, 3-4=-44, 4-5=-34, 5-6=-34, 6-7=-47, 7-8=-47, 8-9=-57, 9-10=-47, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

76) Reversal: Dead + 0.75 Snow (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-42, 2-3=-47, 3-4=-57, 4-5=-47, 5-6=-47, 6-7=-34, 7-8=-34, 8-9=-44, 9-10=-34, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

77) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-71, 2-3=-75, 3-4=-85, 4-5=-75, 5-7=-44, 7-8=-57, 8-9=-67, 9-10=-57, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

78) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-3=-57, 3-4=-67, 4-5=-57, 5-7=-44, 7-8=-75, 8-9=-85, 9-10=-75, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

79) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-3=-44, 3-4=-54, 4-5=-44, 5-6=-44, 6-7=-57, 7-8=-57, 8-9=-67, 9-10=-57, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

80) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-53, 2-3=-57, 3-4=-67, 4-5=-57, 5-6=-57, 6-7=-44, 7-8=-44, 8-9=-54, 9-10=-44, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

81) Reversal: 15th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-41, 3-4=-51, 4-5=-41, 5-7=-81, 7-8=-22, 8-9=-32, 9-10=-22, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

82) Reversal: 16th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-17=-61, 2-17=-108, 2-3=-112, 3-4=-122, 4-5=-112, 5-7=-10, 7-8=-94, 8-9=-104, 9-10=-94, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=6, 2-5=10, 7-10=8, 2-15=20, 10-11=7
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

83) Reversal: 17th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-22, 3-4=-32, 4-5=-22, 5-7=-81, 7-8=-41, 8-9=-51, 9-10=-41, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10
Concentrated Loads (lb)
Vert: 6=-1810

84) Reversal: 18th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 10

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-17=-42, 2-17=-90, 2-3=-94, 3-4=-104, 4-5=-94, 5-7=-10, 7-8=-112, 8-9=-122, 9-10=-112, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=-10, 2-15=-7, 10-11=-20
Drag: 3-14=-10, 9-12=-10

Concentrated Loads (lb)
Vert: 6=-1810

85) Reversal: 19th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 3-4=-20, 4-5=-10, 5-6=-81, 6-7=-94, 7-8=-22, 8-9=-32, 9-10=-22, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10

Concentrated Loads (lb)
Vert: 6=-1810

86) Reversal: 20th Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)
Vert: 1-17=-30, 2-17=-77, 2-3=-81, 3-4=-91, 4-5=-81, 5-6=-10, 6-7=-22, 7-8=-94, 8-9=-104, 9-10=-94, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-25, 2-5=-21, 7-10=8, 2-15=18, 10-11=6
Drag: 3-14=-10, 9-12=-10

Concentrated Loads (lb)
Vert: 6=-1810

87) Reversal: 21st Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-22, 3-4=-32, 4-5=-22, 5-6=-94, 6-7=-81, 7-8=-10, 8-9=-20, 9-10=-10, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10

Concentrated Loads (lb)
Vert: 6=-1810

88) Reversal: 22nd Unbal.Dead + 0.75 Snow (unbal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)
Vert: 1-17=-42, 2-17=-90, 2-3=-94, 3-4=-104, 4-5=-94, 5-6=-22, 6-7=-10, 7-8=-81, 8-9=-91, 9-10=-81, 14-15=-148(F=-128), 12-14=-303(F=-213), 11-12=-601(F=-581), 4-8=-10
Horz: 1-2=-12, 2-5=-8, 7-10=21, 2-15=-6, 10-11=-18
Drag: 3-14=-10, 9-12=-10

Concentrated Loads (lb)
Vert: 6=-1810

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V01GE	GABLE	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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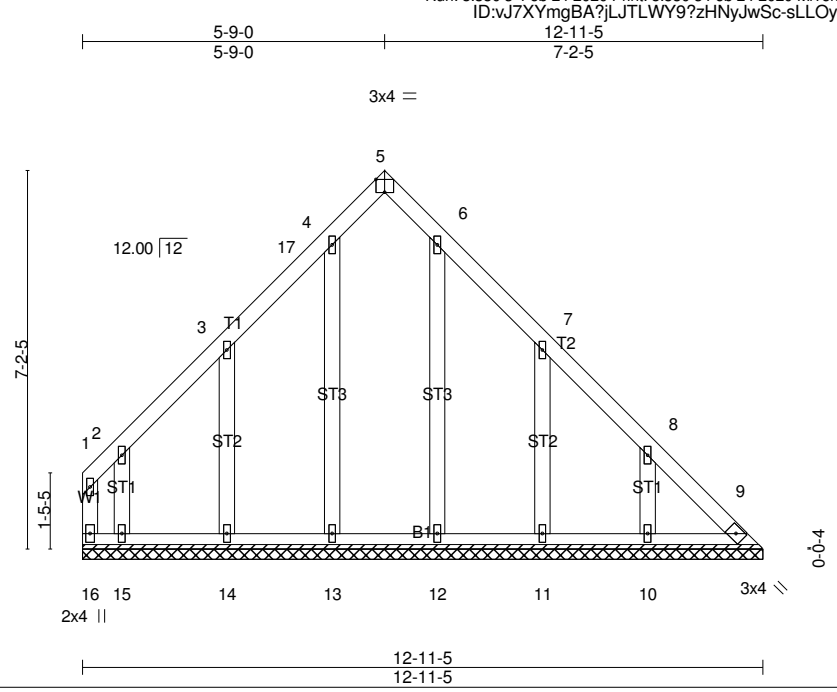

Plate Offsets (X,Y)-- [5:0-2-0,Edge]

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	0.19	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	0.11	Horz(CT)	0.00	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 80 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. All bearings 12-11-5.
(lb) - Max Horz 16=-185(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 9, 12 except 16=-172(LC 14), 14=-136(LC 16), 15=-302(LC 16), 11=-130(LC 17), 10=-109(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 9, 13, 14, 15, 12, 11, 10 except 16=327(LC 16)

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

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 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 12 except (jt=lb) 16=172, 14=136, 15=302, 11=130, 10=109.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V02	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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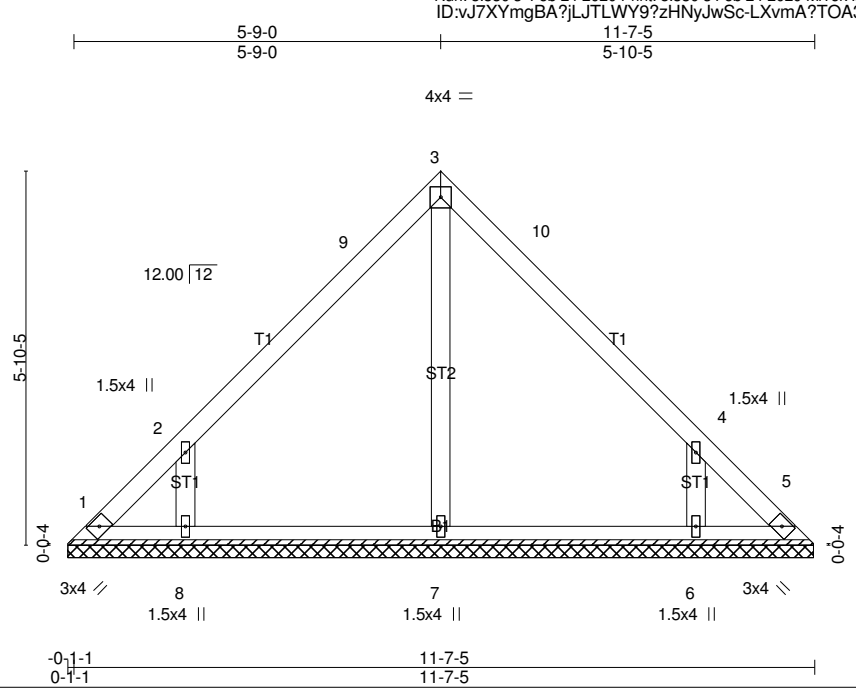

LOADING (psf)

TCLL (roof)	30.0
Snow (Pf/Pg)	23.1/30.0
TCDL	10.0
BCLL	0.0 *
BCDL	10.0

SPACING-	2-0-0
Plate Grip DOL	1.15
Lumber DOL	1.15
Rep Stress Incr	YES
Code	IRC2015/TPI2014

CSI.	
TC	0.25
BC	0.12
WB	0.11
Matrix-S	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a	999
Vert(CT)	n/a	-	n/a	999
Horz(CT)	0.00	5	n/a	n/a

PLATES	**GRIP**
MT20	244/190
Weight: 52 lb	FT = 20%

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. All bearings 11-8-3.
(lb) - Max Horz 1=-136(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-208(LC 16), 6=-207(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=273(LC 2), 8=390(LC 29), 6=390(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-332/253, 4-6=-331/253

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 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=208, 6=207.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V03	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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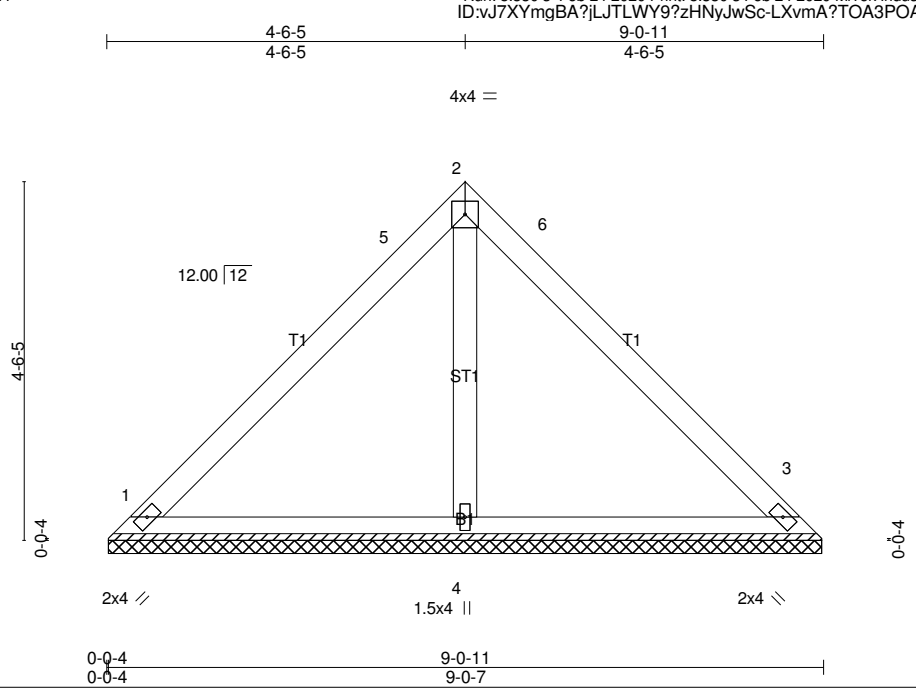

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 37 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=204/9-0-3 (min. 0-1-8), 3=204/9-0-3 (min. 0-1-8), 4=313/9-0-3 (min. 0-1-8)
Max Horz 1=103(LC 13)
Max Uplift 1=-36(LC 17), 3=-36(LC 17), 4=-3(LC 16)
Max Grav 1=239(LC 2), 3=239(LC 2), 4=357(LC 2)

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

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 100 lb uplift at joint(s) 1, 3, 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V04	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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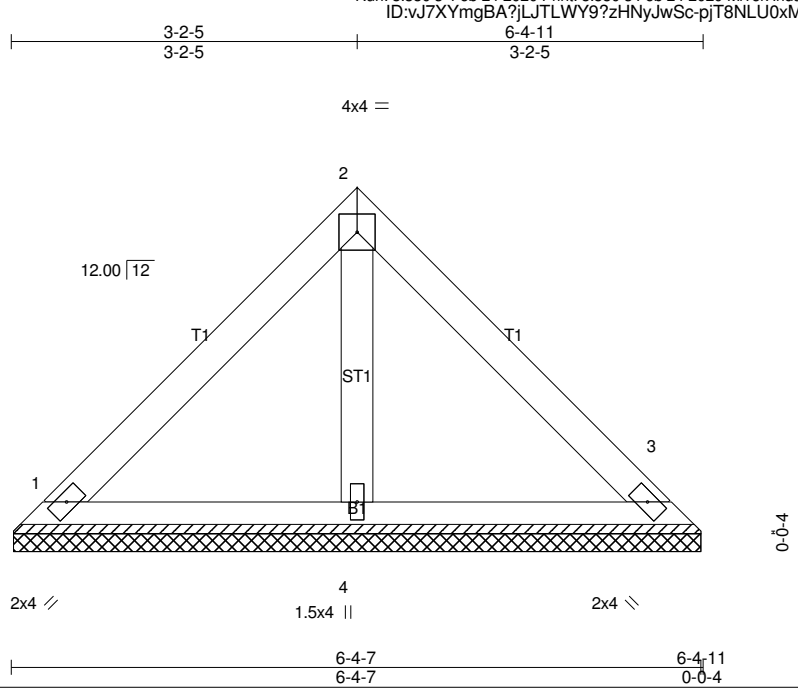

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 25 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=149/6-4-3 (min. 0-1-8), 3=149/6-4-3 (min. 0-1-8), 4=191/6-4-3 (min. 0-1-8)
Max Horz 1=-70(LC 12)
Max Uplift1=-34(LC 17), 3=-34(LC 17)
Max Grav 1=176(LC 2), 3=176(LC 2), 4=217(LC 2)

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

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 100 lb uplift at joint(s) 1, 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V05	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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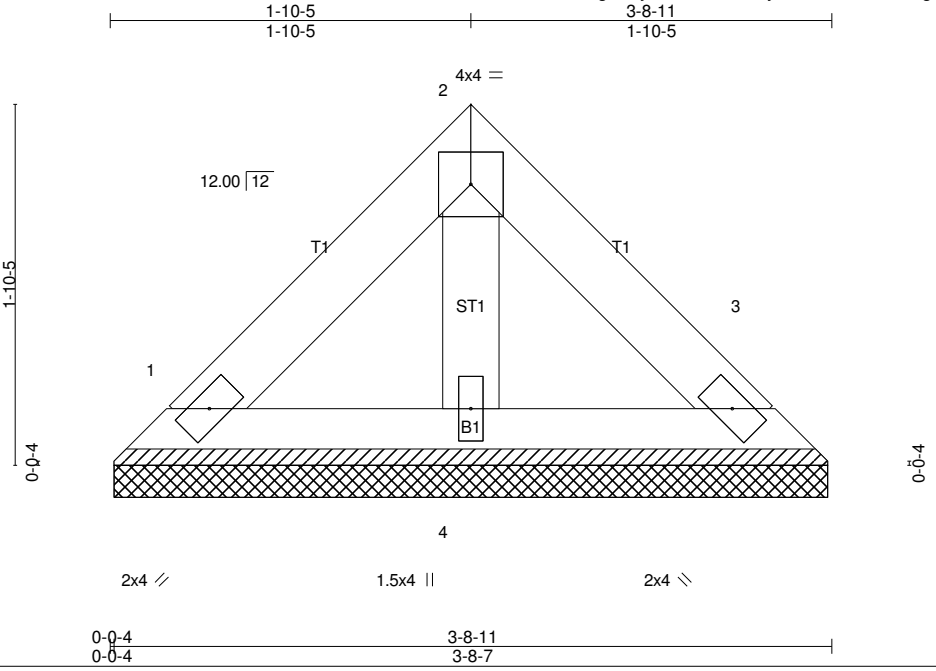

LOADING (psf)

TCLL (roof)	30.0
Snow (Pf/Pg)	23.1/30.0
TCDL	10.0
BCLL	0.0 *
BCDL	10.0

SPACING-	2-0-0
Plate Grip DOL	1.15
Lumber DOL	1.15
Rep Stress Incr	YES
Code	IRC2015/TPI2014

CSI.	
TC	0.05
BC	0.02
WB	0.02
Matrix-P	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a	999
Vert(CT)	n/a	-	n/a	999
Horz(CT)	0.00	3	n/a	n/a

PLATES	**GRIP**
MT20	244/190
Weight: 14 lb	FT = 20%

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 3-8-11 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=79/3-8-3 (min. 0-1-8), 3=79/3-8-3 (min. 0-1-8), 4=102/3-8-3 (min. 0-1-8)
Max Horz 1=37(LC 13)
Max Uplift 1=-18(LC 17), 3=-18(LC 17)
Max Grav 1=93(LC 2), 3=93(LC 2), 4=115(LC 2)

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

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 100 lb uplift at joint(s) 1, 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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V06GE	GABLE	1	1	Job Reference (optional)

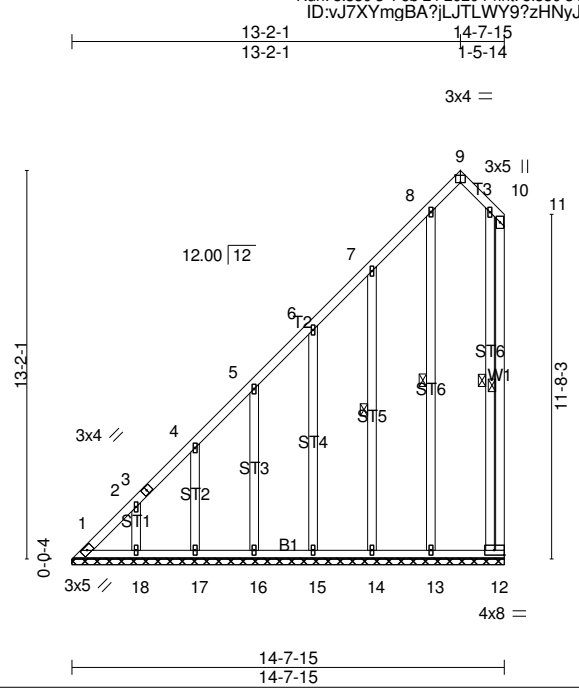

Plate Offsets (X,Y)-- [9:0-2-0,Edge], [12:Edge,0-2-0]

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	0.87	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	-0.00	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 145 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.1
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 11-12, 8-13, 7-14, 10-12

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

REACTIONS. All bearings 14-7-15.
(lb) - Max Horz 1=466(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 12, 13 except 1=-192(LC 14), 14=-129(LC 16), 15=-106(LC 16), 16=-106(LC 16), 17=-105(LC 16), 18=-114(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 12, 14, 15, 16, 17, 18 except 1=353(LC 13), 13=262(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-725/655, 2-3=-619/540, 3-4=-611/565, 4-5=-514/479, 5-6=-408/392, 6-7=-299/301, 7-8=-306/284, 10-11=-514/567, 11-12=-551/606
WEBS 8-13=-353/272, 10-12=-486/408

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 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 13 except (jt=lb) 1=192, 14=129, 15=106, 16=106, 17=105, 18=114.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GARY ROBINSON-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V07	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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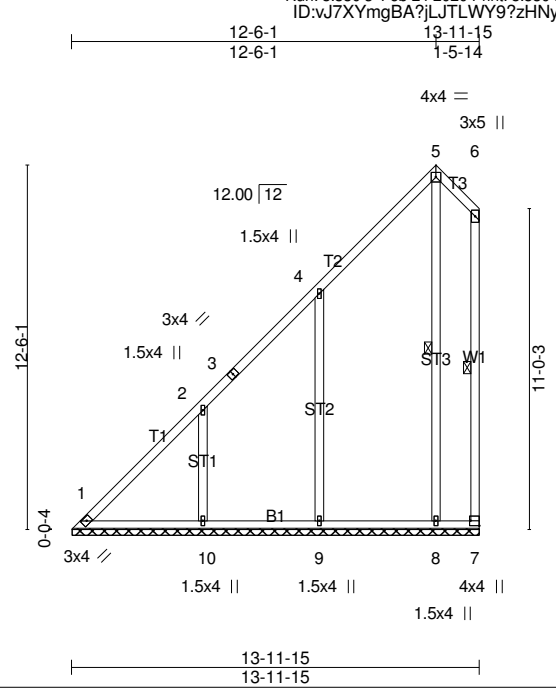

Plate Offsets (X,Y)-- [7:Edge,0-3-8]

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	0.85	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 101 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	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 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-7, 5-8

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

REACTIONS. All bearings 13-11-11.
(lb) - Max Horz 1=441(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 7=-109(LC 12), 1=-123(LC 12), 8=-180(LC 15), 9=-215(LC 16), 10=-245(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 7 except 1=329(LC 30), 8=444(LC 29), 9=572(LC 29), 10=540(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-651/608, 2-3=-421/359, 3-4=-390/410, 4-5=-294/255, 5-6=-346/384, 6-7=-318/341
WEBS 5-8=-498/396, 4-9=-361/272, 2-10=-377/285

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 7, 123 lb uplift at joint 1, 180 lb uplift at joint 8, 215 lb uplift at joint 9 and 245 lb uplift at joint 10.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V08	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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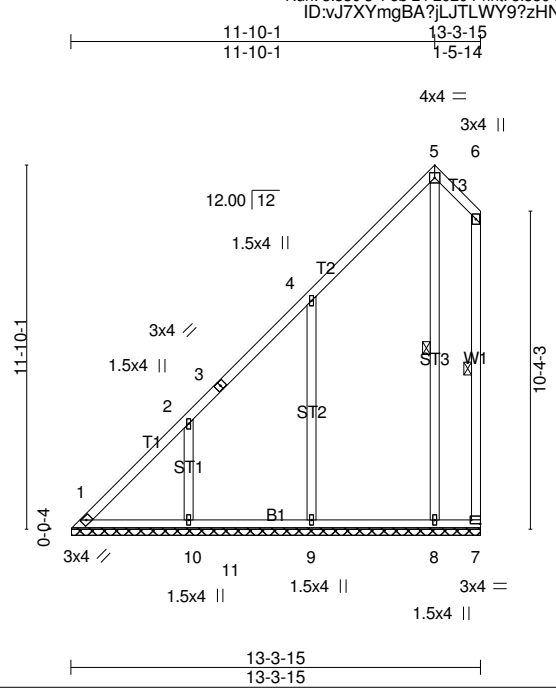

Plate Offsets (X,Y)-- [7:Edge,0-1-8]

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	0.72	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	-0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 95 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	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 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-7, 5-8

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

REACTIONS. All bearings 13-3-11.
(lb) - Max Horz 1=416(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 7=-105(LC 12), 1=-129(LC 14), 8=-168(LC 15), 9=-223(LC 16), 10=-220(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 7 except 1=307(LC 13), 8=436(LC 29), 9=585(LC 29), 10=481(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-626/581, 2-3=-419/356, 3-4=-388/407, 4-5=-285/242, 5-6=-322/357, 6-7=-294/314
WEBS 5-8=-470/365, 4-9=-371/280, 2-10=-341/258

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 7, 129 lb uplift at joint 1, 168 lb uplift at joint 8, 223 lb uplift at joint 9 and 220 lb uplift at joint 10.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V09	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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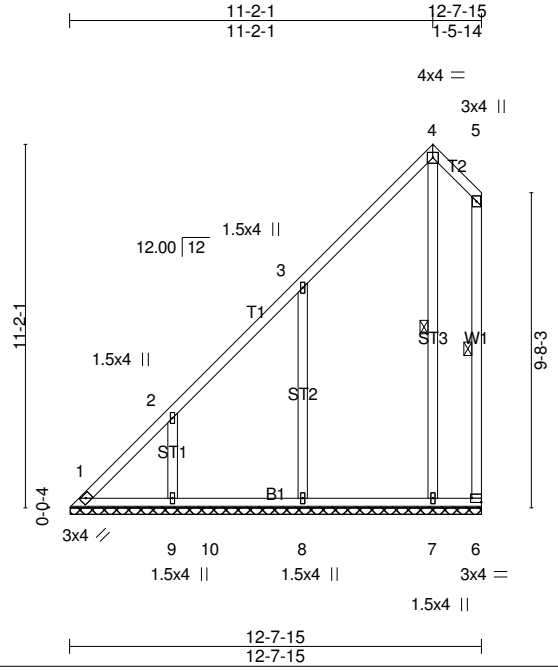

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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	0.63	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 88 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	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 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-6, 4-7

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

REACTIONS. All bearings 12-7-11.
(lb) - Max Horz 1=391(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 1=-139(LC 14), 7=-155(LC 15), 8=-229(LC 16), 9=-198(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 6 except 1=294(LC 13), 7=431(LC 29), 8=591(LC 29), 9=422(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-602/555, 2-3=-415/402, 3-4=-276/227, 4-5=-299/332, 5-6=-271/288
WEBS 4-7=-444/338, 3-8=-379/285, 2-9=-310/236

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 1=139, 7=155, 8=229, 9=198.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V10	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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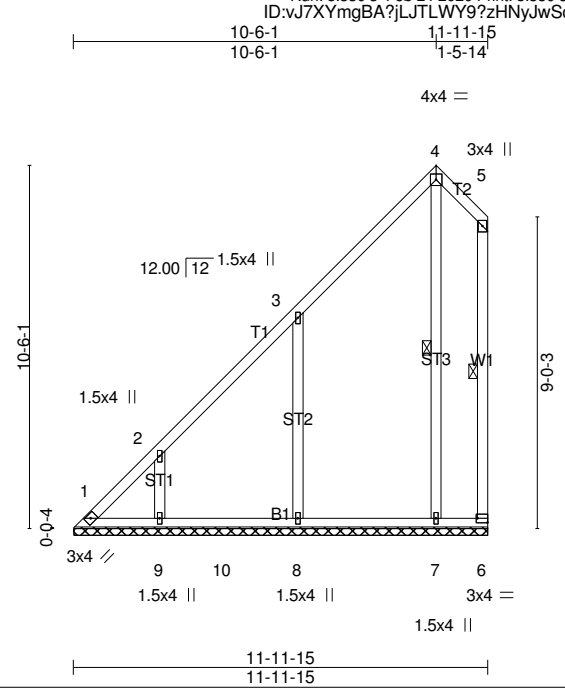

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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	0.93	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	0.27	Horz(CT)	-0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 82 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.
WEBS	1 Row at midpt 5-6, 4-7

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

REACTIONS. All bearings 11-11-11.
(lb) - Max Horz 1=365(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 1=-154(LC 14), 7=-142(LC 15), 8=-233(LC 16), 9=-181(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 6 except 1=282(LC 13), 7=429(LC 29), 8=588(LC 29), 9=373(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-581/533, 2-3=-410/395, 3-4=-267/213, 4-5=-277/307, 5-6=-249/264
WEBS 4-7=-420/319, 3-8=-382/288, 2-9=-286/219

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 1=154, 7=142, 8=233, 9=181.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V11	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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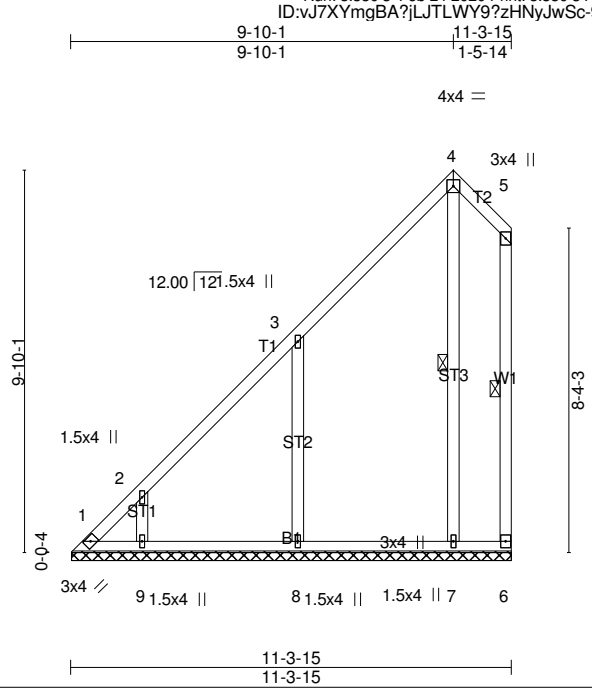

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 76 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.
WEBS	1 Row at midpt 5-6, 4-7

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

REACTIONS. All bearings 11-3-11.
(lb) - Max Horz 1=340(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 1=-176(LC 14), 7=-130(LC 13), 8=-234(LC 16), 9=-172(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 6 except 1=271(LC 13), 7=436(LC 29), 8=534(LC 29), 9=326(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-565/519, 2-3=-404/386, 3-4=-258/197, 4-5=-254/282
WEBS 4-7=-397/299, 3-8=-383/292, 2-9=-278/215

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 1=176, 7=130, 8=234, 9=172.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V12	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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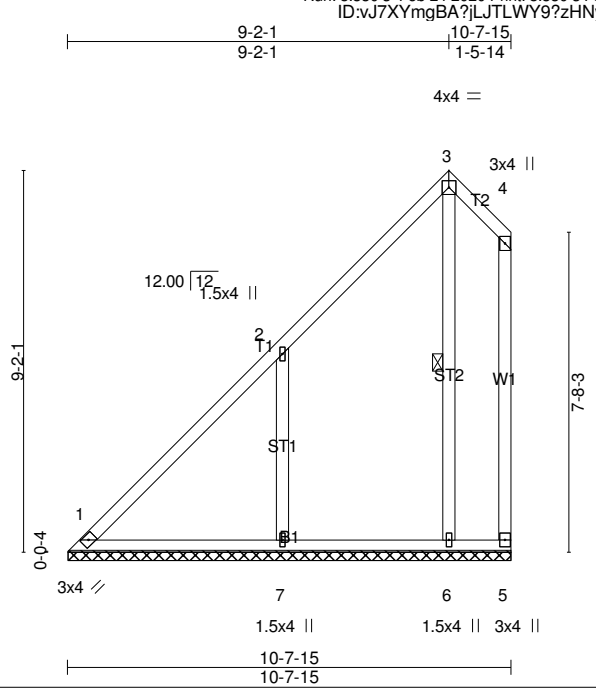

LOADING (psf)

TCLL (roof)	30.0
Snow (Pf/Pg)	23.1/30.0
TCDL	10.0
BCLL	0.0 *
BCDL	10.0

SPACING-	2-0-0
Plate Grip DOL	1.15
Lumber DOL	1.15
Rep Stress Incr	YES
Code	IRC2015/TPI2014

CSI.	
TC	0.68
BC	0.19
WB	0.20
Matrix-S	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a	999
Vert(CT)	n/a	-	n/a	999
Horz(CT)	-0.00	5	n/a	n/a

PLATES	**GRIP**
MT20	244/190

Weight: 68 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 6-0-0 oc bracing.
WEBS	1 Row at midpt 3-6

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

REACTIONS. All bearings 10-7-11.
(lb) - Max Horz 1=315(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=-124(LC 15), 7=-287(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 5 except 1=288(LC 30), 6=392(LC 29), 7=633(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-429/412, 2-3=-255/190, 3-4=-238/262
WEBS 3-6=-350/263, 2-7=-449/342

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 6=124, 7=287.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V13	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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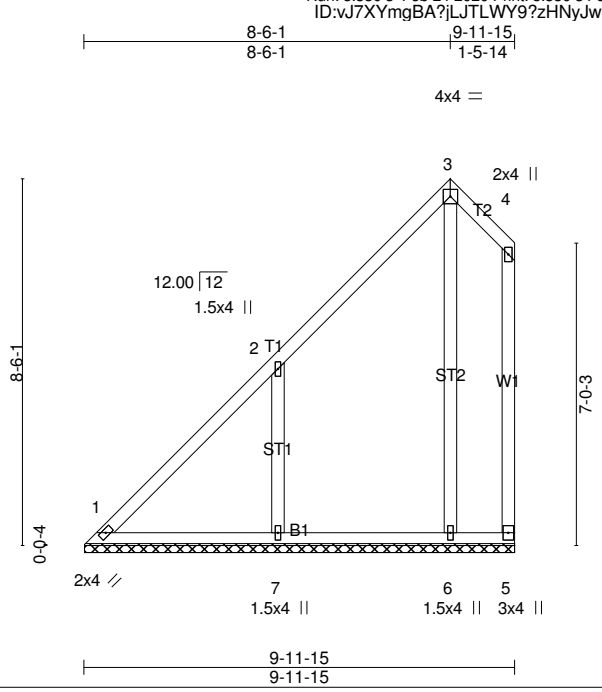


LOADING (psf)

TCLL (roof)	30.0
Snow (Pf/Pg)	23.1/30.0
TCDL	10.0
BCLL	0.0 *
BCDL	10.0

SPACING-	2-0-0
Plate Grip DOL	1.15
Lumber DOL	1.15
Rep Stress Incr	YES
Code	IRC2015/TPI2014

CSI.	
TC	0.57
BC	0.16
WB	0.43
Matrix-S	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a	999
Vert(CT)	n/a	-	n/a	999
Horz(CT)	-0.00	5	n/a	n/a

PLATES	**GRIP**
MT20	244/190

Weight: 63 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 6-0-0 oc bracing.

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

REACTIONS. All bearings 9-11-11.
(lb) - Max Horz 1=290(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=-110(LC 13), 7=-262(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 5 except 1=254(LC 30), 6=411(LC 29), 7=581(LC 29)

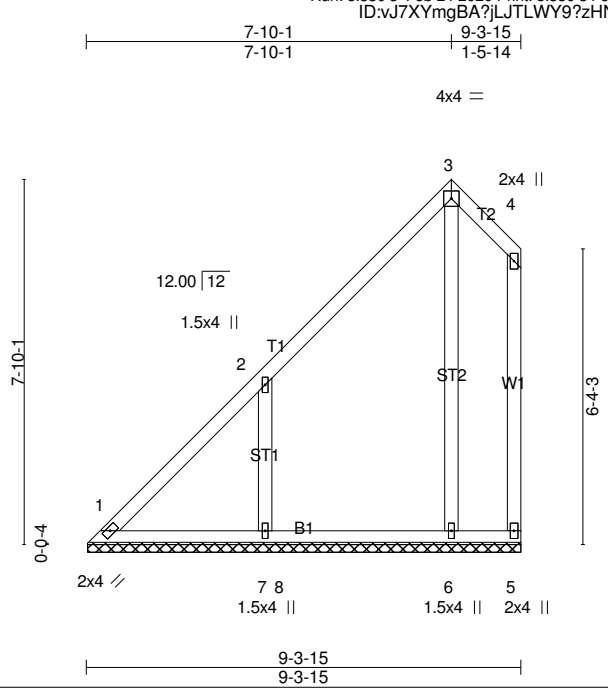
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-402/383
WEBS 3-6=-343/255, 2-7=-411/316

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 6=110, 7=262.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V14	Valley	1	1	Job Reference (optional)



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	0.47	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	0.35	Horz(CT)	-0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 58 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. All bearings 9-3-11.
(lb) - Max Horz 1=265(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=-104(LC 13), 7=-239(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=424(LC 29), 7=526(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-376/356
WEBS 3-6=-332/245, 2-7=-377/294

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 6=104, 7=239.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V15	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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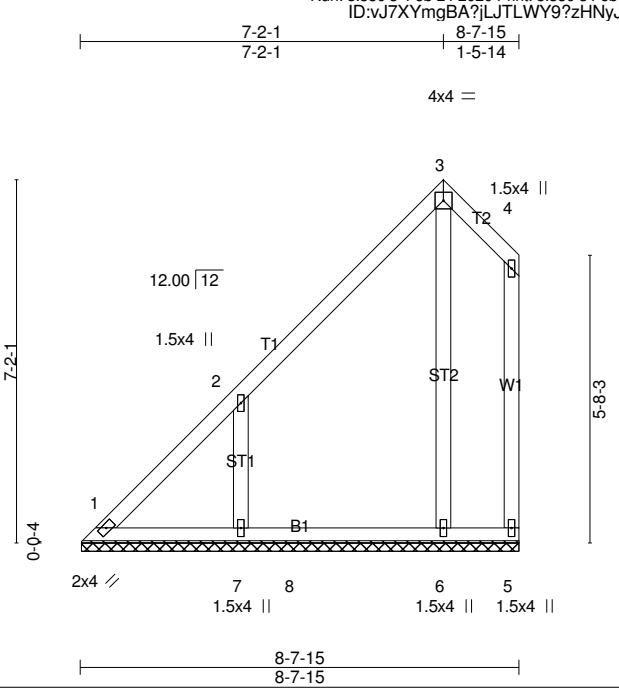

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 52 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. All bearings 8-7-11.
(lb) - Max Horz 1=240(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 6 except 7=-237(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=382(LC 29), 7=489(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-357/340
WEBS 2-7=-374/298

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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 6 except (jt=lb) 7=237.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V16	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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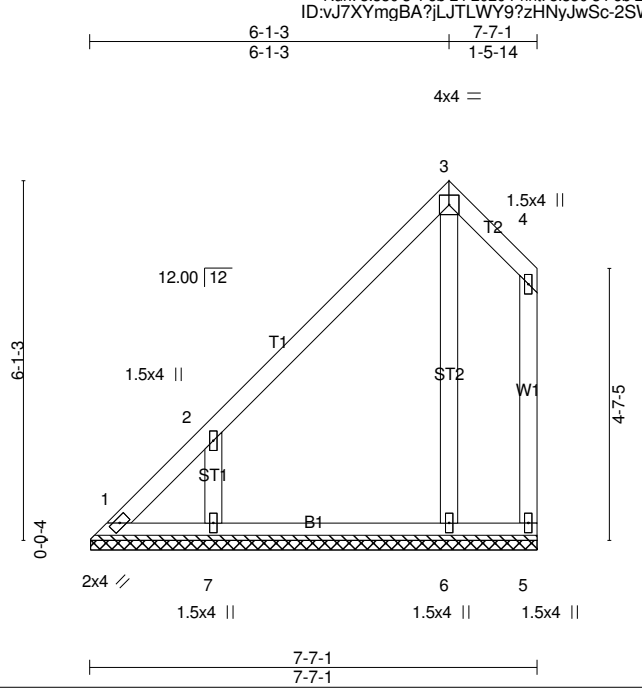

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	-0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 44 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. All bearings 7-6-13.
(lb) - Max Horz 1=199(LC 15)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6 except 1=-109(LC 14), 7=-225(LC 16)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=295(LC 29), 7=423(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-327/310
WEBS 2-7=-353/286

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 100 lb uplift at joint(s) 5, 6 except (jt=lb) 1=109, 7=225.
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-LOT 66 SOUTH CREEK-LAUREN MODEL ROOF
20-6463-A	V17	Valley	1	1	Job Reference (optional)

Riverside Roof Truss, LLC, Danville, VA. 24541

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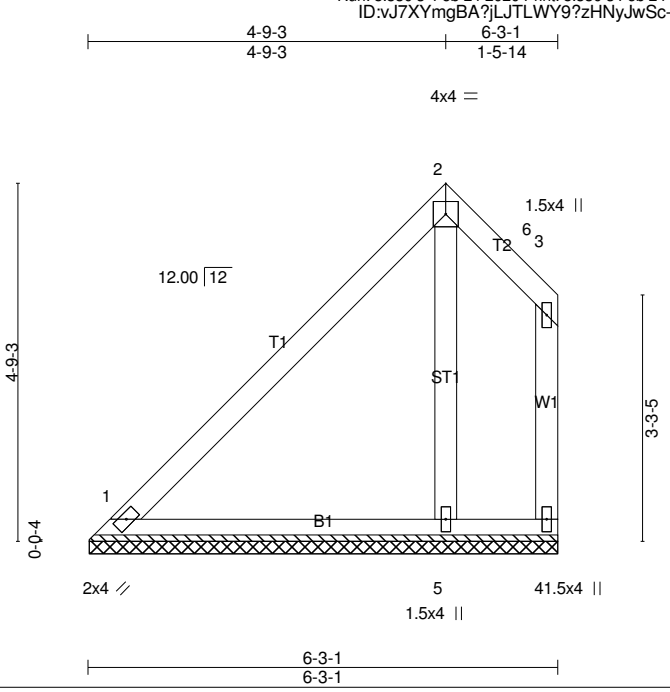

LOADING (psf)

TCLL (roof)	30.0
Snow (Pf/Pg)	23.1/30.0
TCDL	10.0
BCLL	0.0 *
BCDL	10.0

SPACING-	2-0-0
Plate Grip DOL	1.15
Lumber DOL	1.15
Rep Stress Incr	YES
Code	IRC2015/TPI2014

CSI.	
TC	0.52
BC	0.16
WB	0.10
Matrix-P	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a	999
Vert(CT)	n/a	-	n/a	999
Horz(CT)	0.00	4	n/a	n/a

PLATES	**GRIP**
MT20	244/190

Weight: 33 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 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=182/6-2-13 (min. 0-1-8), 4=29/6-2-13 (min. 0-1-8), 5=286/6-2-13 (min. 0-1-8)
Max Horz 1=149(LC 13)
Max Uplift 1=-13(LC 12), 4=-62(LC 12), 5=-58(LC 13)
Max Grav 1=224(LC 30), 4=74(LC 30), 5=360(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-266/170

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 100 lb uplift at joint(s) 1, 4, 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