Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	C01	Piggyback	25	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:35 2021 Page 1
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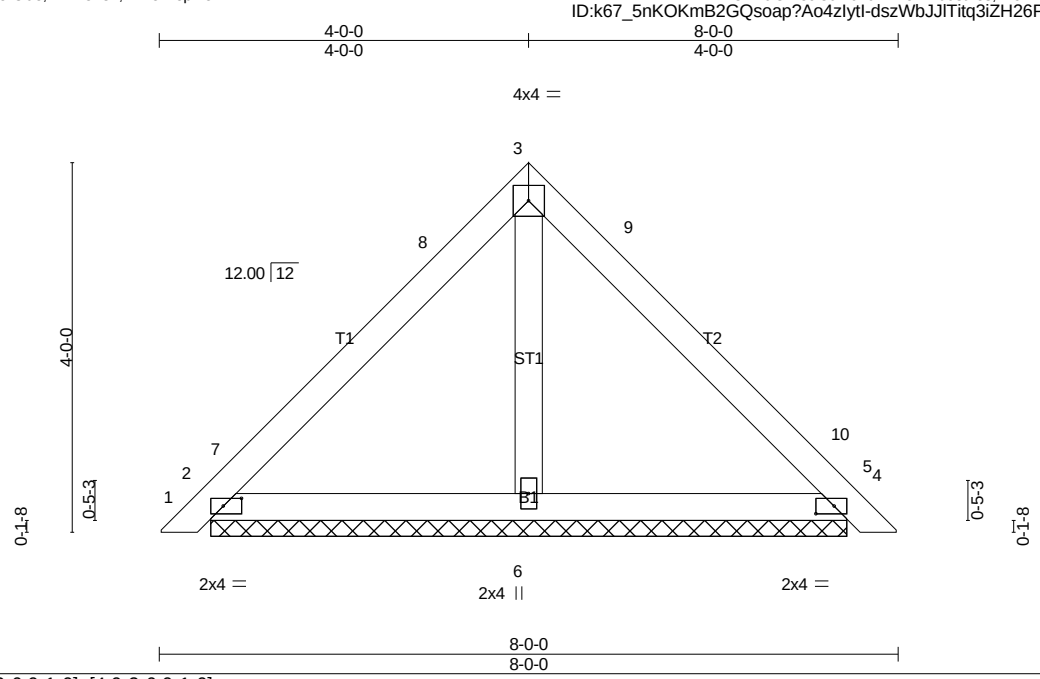

Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	0.26	Vert(LL)	0.01	5	n/r	120	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.01	5	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P							Weight: 24 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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=244/6-10-10 (min. 0-1-8), 4=244/6-10-10 (min. 0-1-8), 6=267/6-10-10 (min. 0-1-8)
Max Horz 2=-66(LC 12)
Max Uplift2=-25(LC 14), 4=-25(LC 14)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-2-10 to 3-2-10, Interior(1) 3-2-10 to 4-0-0, Exterior(2) 4-0-0 to 7-0-0, Interior(1) 7-0-0 to 7-9-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
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 25 lb uplift at joint 2 and 25 lb uplift at joint 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	C01G	GABLE	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:04:05 2021 Page 1

ID:k67_5nKOKmB2GQsoap?Ao4zIytI-Ej1D4b8r8onY2l16rc5yI1vKYhRyaiYwLZI8i?z474u

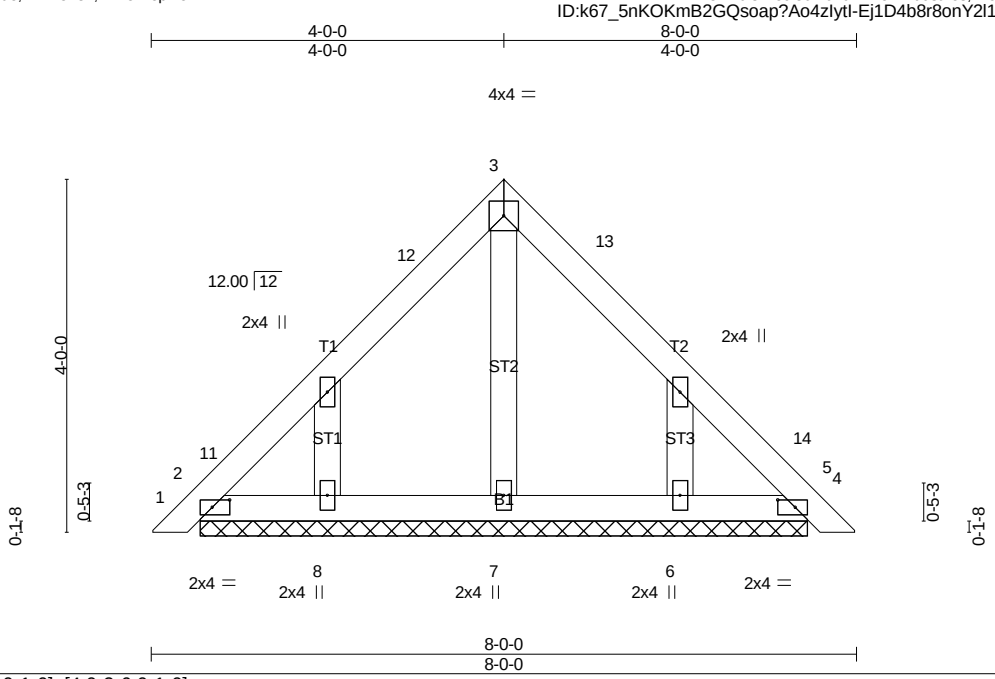

Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	0.26	Vert(LL)	0.01	5	n/r	120	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.01	5	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: 27 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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 6-10-10.
(lb) - Max Horz 2=-66(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 4
Max Grav All reactions 250 lb or less at joint(s) 7, 8, 6 except 2=319(LC 1), 4=319(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-276/38, 4-14=-276/38

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-2-10 to 3-2-10, Interior(1) 3-2-10 to 4-0-0, Exterior(2) 4-0-0 to 7-0-0, Interior(1) 7-0-0 to 7-9-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
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) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	C02	Piggyback	31	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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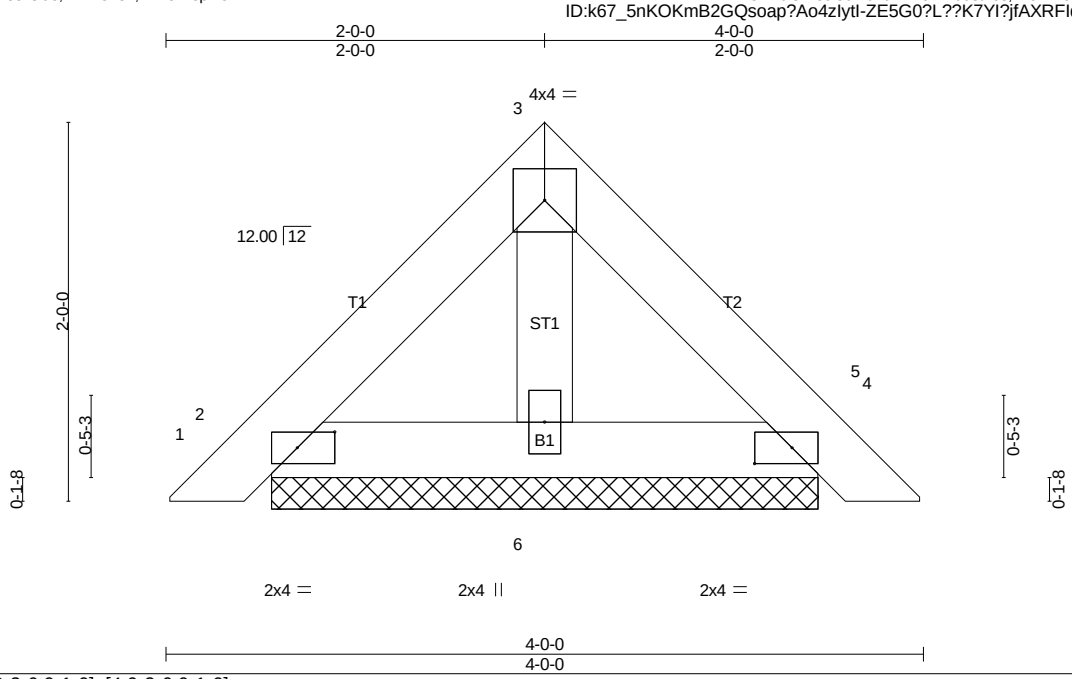

Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	120	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	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								
BCDL	10.0										Weight: 11 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF 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.

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

REACTIONS. (lb/size) 2=120/2-10-10 (min. 0-1-8), 4=120/2-10-10 (min. 0-1-8), 6=108/2-10-10 (min. 0-1-8)
Max Horz 2=-31(LC 12)
Max Uplift2=-16(LC 14), 4=-16(LC 14)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
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 16 lb uplift at joint 2 and 16 lb uplift at joint 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	C02G	Piggyback	3	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:12:39 2021 Page 1

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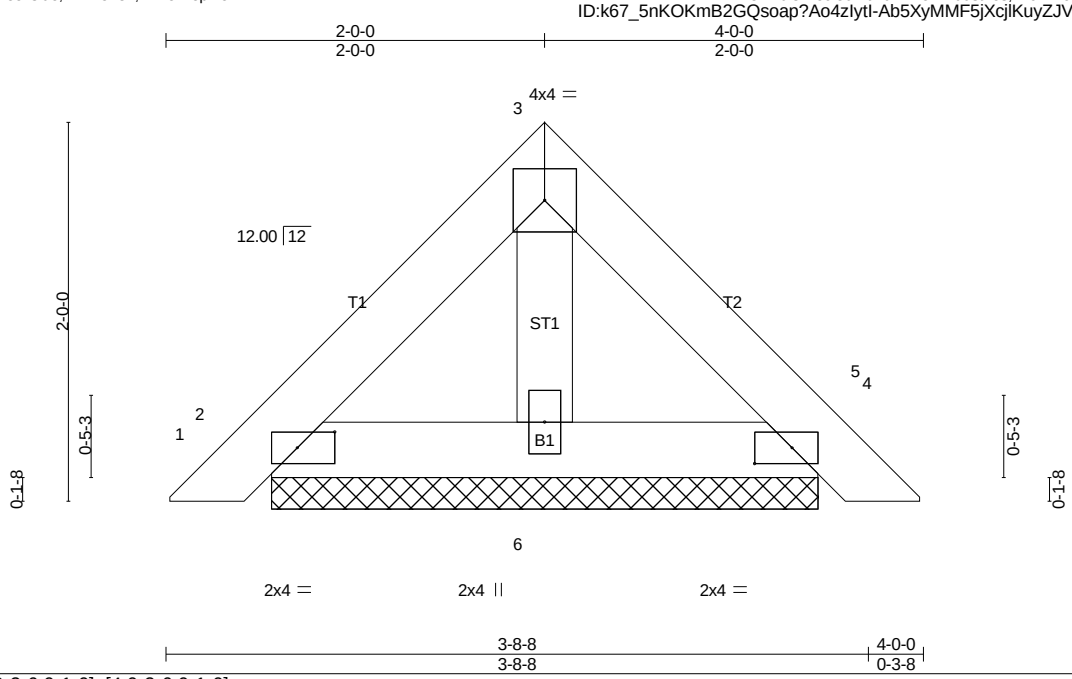

Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

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	120	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	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								
BCDL	10.0										Weight: 11 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF 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.

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

REACTIONS. (lb/size) 2=120/2-10-10 (min. 0-1-8), 4=120/2-10-10 (min. 0-1-8), 6=108/2-10-10 (min. 0-1-8)
Max Horz 2=-31(LC 12)
Max Uplift2=-16(LC 14), 4=-16(LC 14)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
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) 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.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	C03	Piggyback	19	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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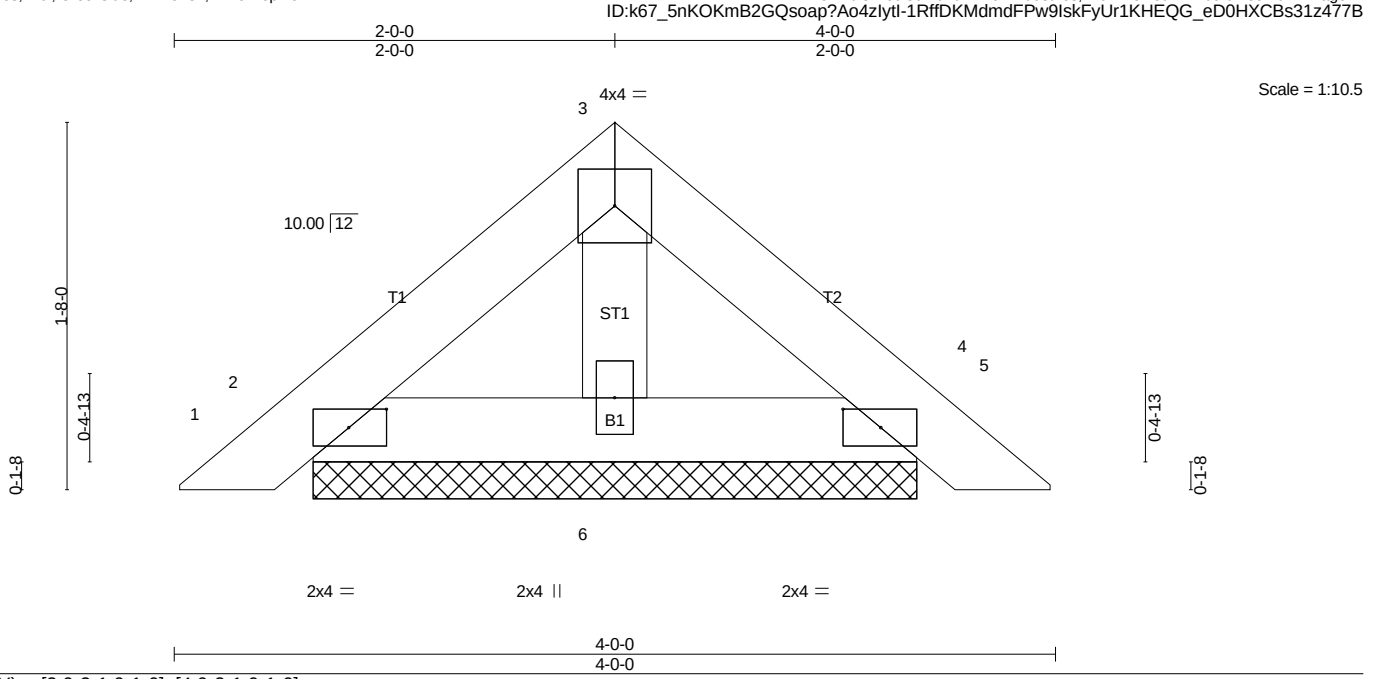

Plate Offsets (X,Y)-- [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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	0.03	Vert(LL)	0.00	4	n/r	120	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	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: 10 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF 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.

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

REACTIONS. (lb/size) 2=116/2-8-14 (min. 0-1-8), 4=116/2-8-14 (min. 0-1-8), 6=109/2-8-14 (min. 0-1-8)
Max Horz 2=-24(LC 12)
Max Uplift2=-17(LC 14), 4=-17(LC 14)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
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 17 lb uplift at joint 2 and 17 lb uplift at joint 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	CJ01	Diagonal Hip Girder	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:23 2021 Page 1

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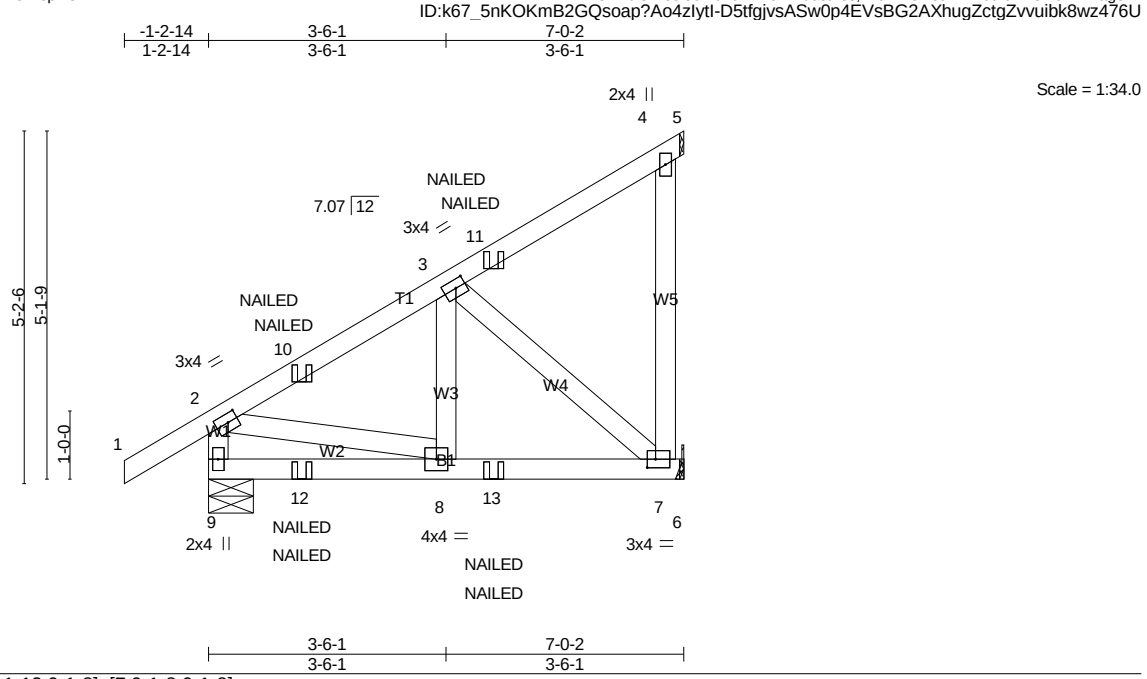

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-1-12,0-1-8], [7:0-1-8,0-1-8]

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	0.36	Vert(LL)	0.01	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.01	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 36 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 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) 9=408/0-7-15 (min. 0-1-8), 7=340/Mechanical
Max Horz 9=137(LC 9)
Max Uplift 9=-133(LC 10), 7=-92(LC 7)
Max Grav 9=421(LC 38), 7=349(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-386/114, 2-10=-350/94, 3-10=-251/87
WEBS 2-8=-70/278, 3-7=-296/120

NOTES- (11)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 9=133.
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.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-82, 2-4=-82, 4-5=-82, 6-9=-20

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 10=63(F=31, B=31) 13=-1(F=-1, B=-1)

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	CJ02	Diagonal Hip Girder	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:21:07 2021 Page 1

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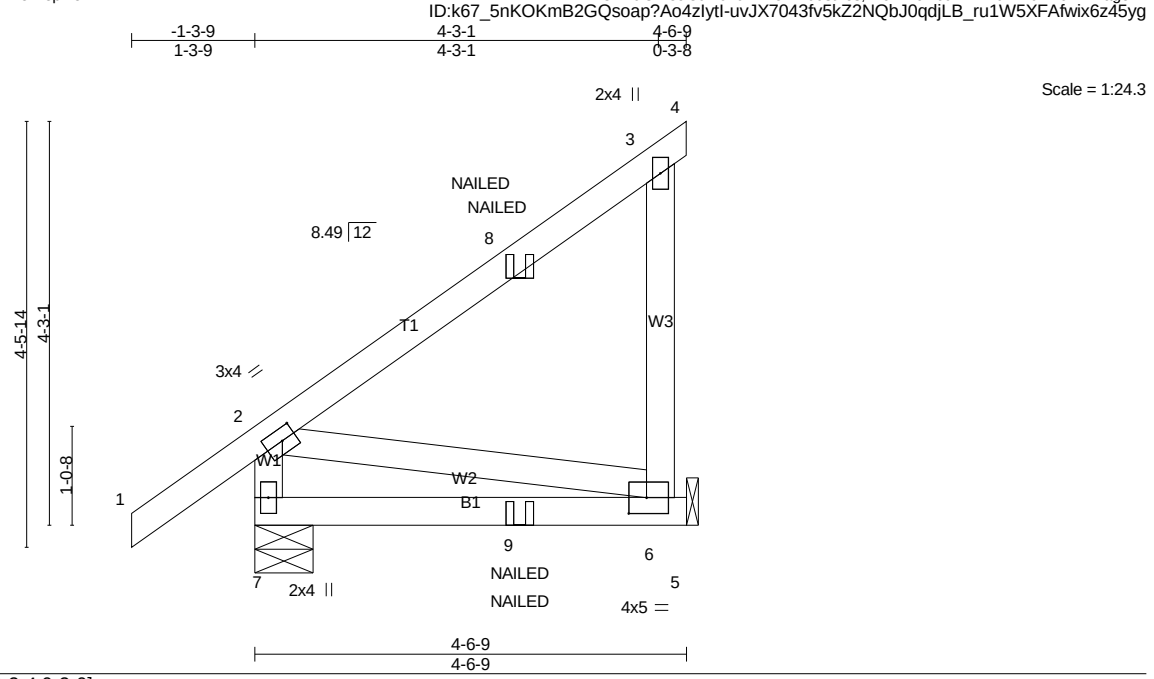

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [6:0-2-4,0-2-0]

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	0.33	Vert(LL)	-0.02	6-7	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.03	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.02	Horz(CT)	-0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 23 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-9 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=346/0-7-6 (min. 0-1-8), 6=216/Mechanical
Max Horz 7=115(LC 9)
Max Uplift7=-40(LC 10), 6=-76(LC 7)
Max Grav 7=346(LC 1), 6=233(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-306/53

NOTES- (11)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 6.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-82, 2-3=-82, 3-4=-82, 5-7=-20
Concentrated Loads (lb)
Vert: 9=2(F=1, B=1)

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	H01	Hip Girder	1	2	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:04:45 2021 Page 1
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0-10-8	5-0-0	5-0-0	5-0-0	5-0-0	5-0-0	5-0-0	0-10-8

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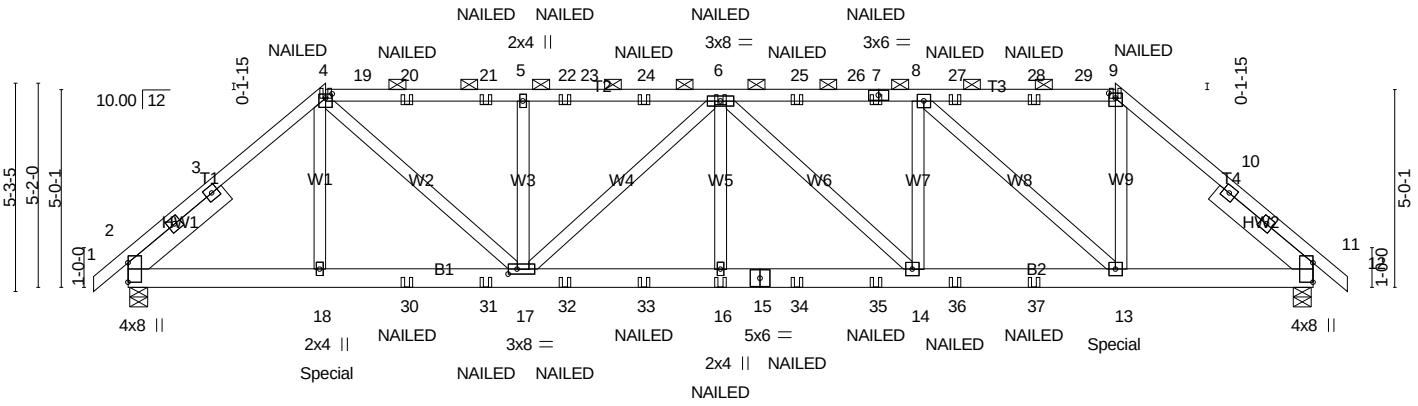

0-0-8	5-0-0	10-0-0	15-0-0	20-0-0	25-0-0	29-11-8	30-0-0
0-0-8	4-11-8	5-0-0	5-0-0	5-0-0	5-0-0	4-11-8	0-0-8

Plate Offsets (X,Y)-- [4:0-2-0,0-1-4], [9:0-2-0,0-1-8], [17:0-2-12,0-1-8]

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	0.82	Vert(LL)	-0.11	16	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.18	16	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.05	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 319 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x6 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x6 SPF No.2 3-2-0, Right 2x6 SPF No.2 3-2-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-10-14 oc purlins, except 2-0-0 oc purlins (5-8-9 max.): 4-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=2642/0-5-8 (min. 0-2-1), 11=2642/0-5-8 (min. 0-2-1)
Max Horz 2=-83(LC 8)
Max Uplift2=-273(LC 10), 11=-273(LC 10)

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

TOP CHORD 2-3=-3440/368, 3-4=-3310/389, 4-19=-3924/442, 19-20=-3926/441, 20-21=-3927/442, 5-21=-3931/442, 5-22=-3926/441, 22-23=-3926/441, 23-24=-3926/441, 6-24=-3926/441, 6-25=-3929/442, 25-26=-3929/442, 7-26=-3929/442, 7-8=-3929/442, 8-27=-2392/315, 27-28=-2388/315, 28-29=-2387/315, 9-29=-2386/315, 9-10=-3306/388, 10-11=-3435/367

BOT CHORD 2-18=-239/2443, 18-30=-238/2433, 30-31=-238/2433, 17-31=-238/2433, 17-32=-381/4360, 32-33=-381/4360, 16-33=-381/4360, 15-16=-381/4360, 15-34=-381/4360, 34-35=-381/4360, 14-35=-381/4360, 14-36=-353/3929, 36-37=-353/3929, 13-37=-353/3929, 11-13=-216/2441

WEBS 4-18=-16/365, 4-17=-186/2064, 5-17=-795/203, 6-17=-605/51, 6-16=0/330, 6-14=-601/50, 8-14=0/626, 8-13=-2091/190, 9-13=-129/1720

NOTES- (16)

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=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 4x4 MT20 unless otherwise indicated.
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.

Continued on page 2

NOTES- (16)

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=273, 11=273.
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.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 340 lb down and 111 lb up at 5-0-0, and 340 lb down and 111 lb up at 24-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
16) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-82, 4-9=-82, 9-12=-82, 2-11=-20
   Concentrated Loads (lb)
      Vert: 4=-105(F) 7=-105(F) 18=-340(F) 16=-29(F) 6=-105(F) 13=-340(F) 9=-105(F) 20=-105(F) 21=-105(F) 22=-105(F) 24=-105(F) 25=-105(F) 27=-105(F) 28=-105(F) 30=-29(F) 31=-29(F) 32=-29(F) 33=-29(F) 34=-29(F) 35=-29(F) 36=-29(F) 37=-29(F)

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	H02	Hip	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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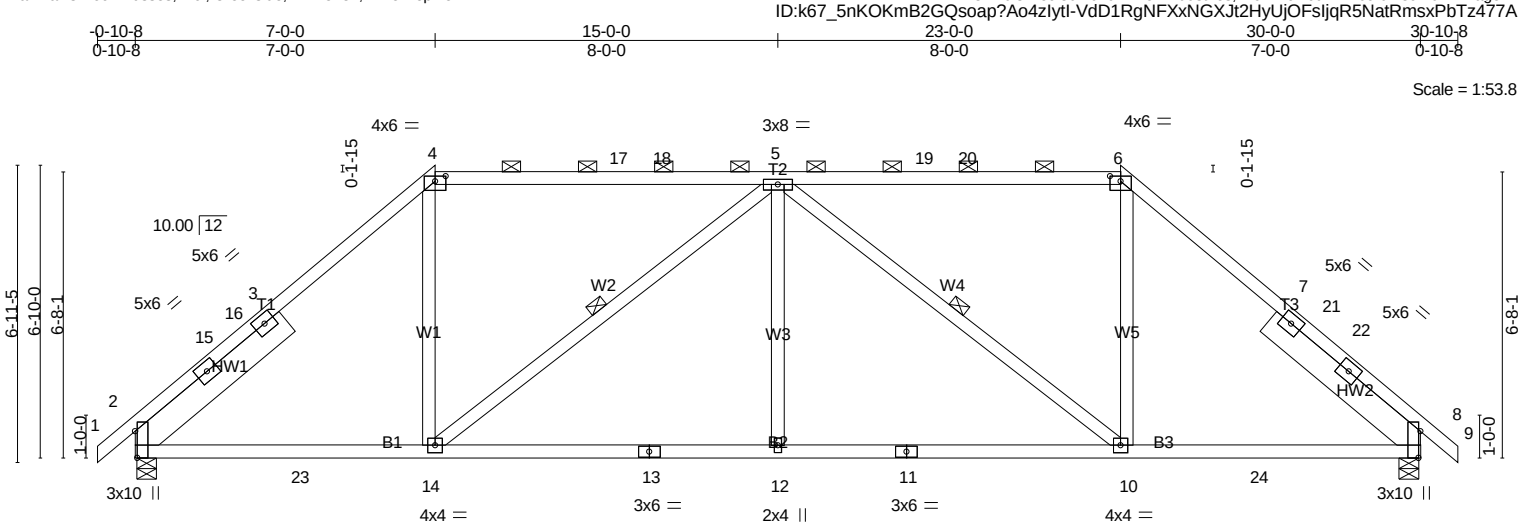

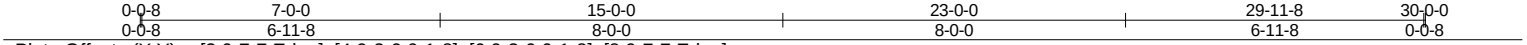

Plate Offsets (X,Y)-- [2:0-7-7,Edge], [4:0-3-0,0-1-8], [6:0-3-0,0-1-8], [8:0-7-7,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.11	12-14	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.22	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.08	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 148 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E - 4-6-15, Right 2x8 SP 2400F 2.0E -Ø 4-6-15

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-9-13 oc purlins, except 2-0-0 oc purlins (5-9-13 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-14, 5-10

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

REACTIONS. (lb/size) 2=1595/0-5-8 (min. 0-2-8), 8=1595/0-5-8 (min. 0-2-8)
Max Horz 2=-112(LC 12)

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

TOP CHORD	2-15=-1921/49, 15-16=-1835/54, 3-16=-1768/57, 3-4=-1769/87, 4-17=-1310/125, 17-18=-1310/124, 5-18=-1312/124, 5-19=-1312/124, 19-20=-1310/124, 6-20=-1310/125, 6-7=-1769/87, 7-21=-1768/56, 21-22=-1835/54, 8-22=-1920/49
BOT CHORD	2-23=0/1363, 14-23=0/1363, 13-14=0/1932, 12-13=0/1932, 11-12=0/1932, 10-11=0/1932, 10-24=0/1309, 8-24=0/1309
WEBS	4-14=0/754, 5-14=-852/23, 5-12=0/367, 5-10=-852/23, 6-10=0/754

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-0-0, Exterior(2) 7-0-0 to 11-2-15, Interior(1) 11-2-15 to 23-0-0, Exterior(2) 23-0-0 to 27-2-15, Interior(1) 27-2-15 to 30-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) 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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	H03	Hip	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:40 2021 Page 1

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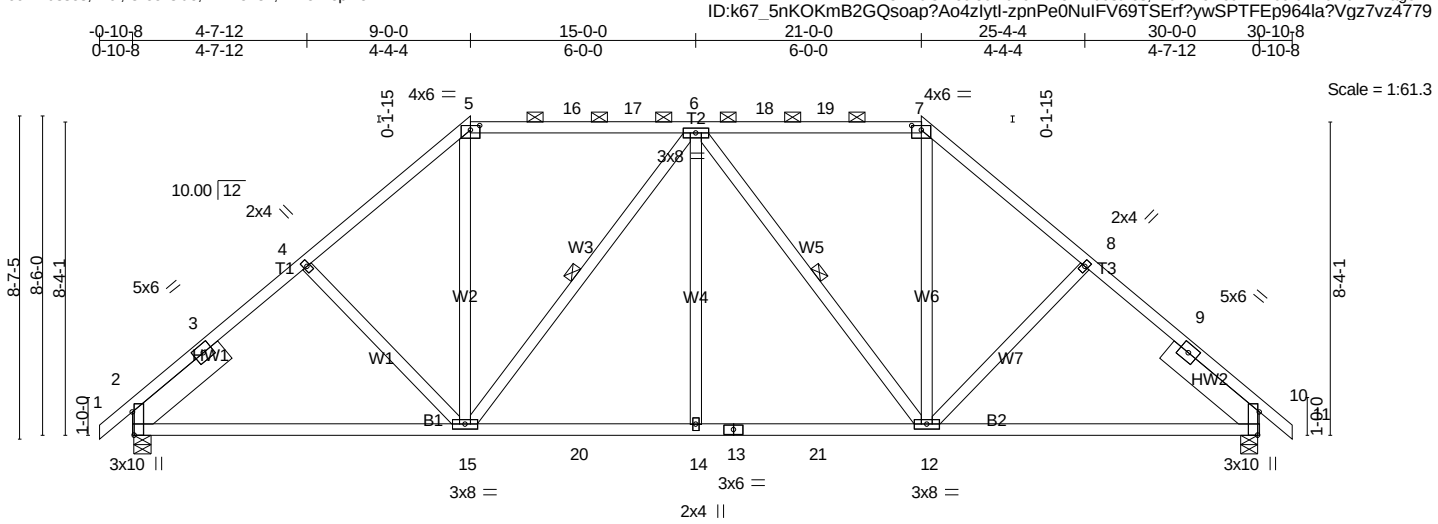

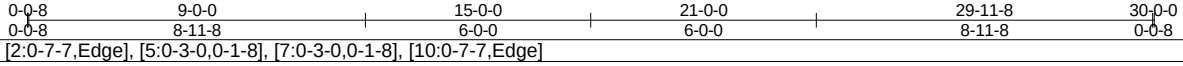

Plate Offsets (X,Y)-- [2:0-7-7,Edge], [5:0-3-0,0-1-8], [7:0-3-0,0-1-8], [10:0-7-7,Edge]

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	0.64	Vert(LL)	-0.15	2-15	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.31	2-15	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.07	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 159 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E -Ø 3-1-15, Right 2x8 SP 2400F 2.0E -Ø 3-1-15

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-2-8 oc purlins, except 2-0-0 oc purlins (4-8-15 max.): 5-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-15, 6-12

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

REACTIONS. (lb/size) 2=1595/0-5-8 (min. 0-2-8), 10=1595/0-5-8 (min. 0-2-8)
Max Horz 2=141(LC 13)

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

TOP CHORD	2-3=-1937/82, 3-4=-1804/104, 4-5=-1647/130, 5-16=-1202/134, 16-17=-1202/133, 6-17=-1205/133, 6-18=-1205/133, 18-19=-1202/133, 7-19=-1202/134, 7-8=-1647/130, 8-9=-1804/104, 9-10=-1937/82
BOT CHORD	2-15=-8/1308, 15-20=0/1462, 14-20=0/1462, 13-14=0/1462, 13-21=0/1462, 12-21=0/1462, 10-12=-4/1298
WEBS	5-15=-2/606, 6-15=-530/36, 6-14=0/310, 6-12=-530/36, 7-12=-2/606

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-0, Exterior(2) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 21-0-0, Exterior(2) 21-0-0 to 25-5-8, Interior(1) 25-5-8 to 30-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) 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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	H04	Hip	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:41 2021 Page 1

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-0-10-8 | 5-7-12 | 11-0-0 | 19-0-0 | 24-4-4 | 30-0-0 | 30-10-8

0-10-8 | 5-7-12 | 5-4-4 | 8-0-0 | 5-4-4 | 5-7-12 | 0-10-8

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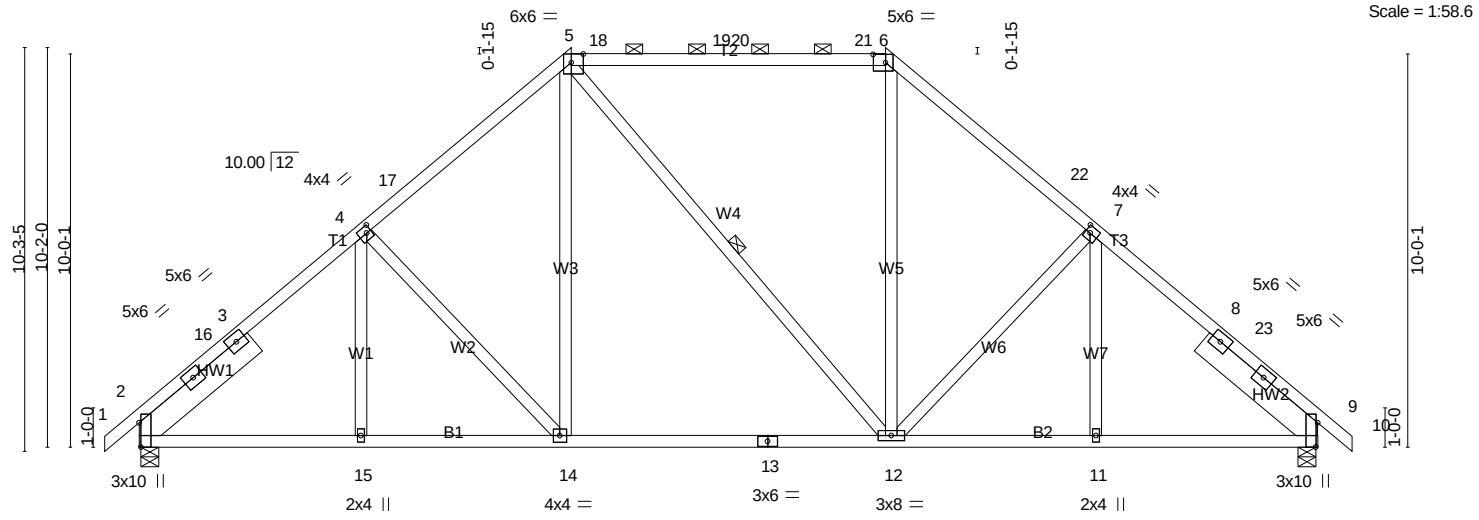

0-0-8 | 5-7-12 | 11-0-0 | 19-0-0 | 24-4-4 | 29-11-8 | 30-0-0

0-0-8 | 5-7-4 | 5-4-4 | 8-0-0 | 5-4-4 | 5-7-4 | 0-0-8

Plate Offsets (X,Y)-- [2:0-7-7,Edge], [4:0-1-8,0-2-0], [5:0-3-11,Edge], [6:0-3-12,0-2-8], [7:0-1-8,0-2-0], [9:0-7-7,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	0.82	Vert(LL)	-0.18	12-14	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.32	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 166 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* T2: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E -Ø 3-9-8, Right 2x8 SP 2400F 2.0E -Ø 3-9-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-6-1 oc purlins, except 2-0-0 oc purlins (4-2-11 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-12

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

REACTIONS. (lb/size) 2=1595/0-5-8 (min. 0-2-8), 9=1595/0-5-8 (min. 0-2-8)
Max Horz 2=-169(LC 12)

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

TOP CHORD	2-16=-1939/51, 3-16=-1805/52, 3-4=-1806/80, 4-17=-1572/113, 5-17=-1449/149, 5-18=-1115/155, 18-19=-1115/155, 19-20=-1115/155, 20-21=-1115/155, 6-21=-1115/155, 6-22=-1450/149, 7-22=-1572/113, 7-8=-1806/80, 8-23=-1805/52, 9-23=-1938/51
BOT CHORD	2-15=0/1328, 14-15=0/1328, 13-14=0/1137, 12-13=0/1137, 11-12=0/1315, 9-11=0/1315
WEBS	4-14=-292/100, 5-14=0/471, 6-12=0/403, 7-12=-292/100

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-0, Exterior(2) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 19-0-0, Exterior(2) 19-0-0 to 23-2-15, Interior(1) 23-2-15 to 30-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) 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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	H05	Hip	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:42 2021 Page 1

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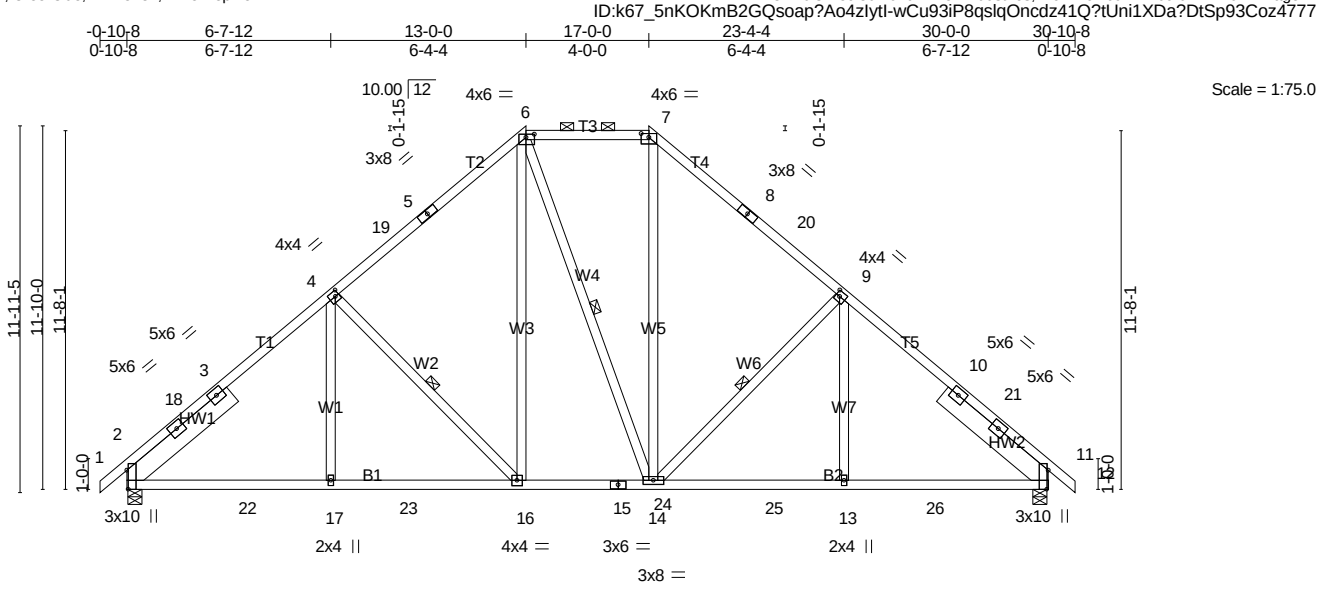

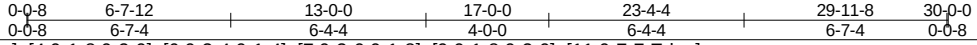

Plate Offsets (X,Y)-- [2:0-7-7,Edge], [4:0-1-8,0-2-0], [6:0-3-4,0-1-4], [7:0-3-0,0-1-8], [9:0-1-8,0-2-0], [11:0-7-7,Edge]

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	0.77	Vert(LL)	-0.07	14-16	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.13	16-17	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.06	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 180 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E -Ø 4-5-5, Right 2x8 SP 2400F 2.0E -Ø 4-5-5

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (5-8-10 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-16, 6-14, 9-14

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

REACTIONS. (lb/size) 2=1595/0-5-8 (min. 0-2-8), 11=1595/0-5-8 (min. 0-2-8)
Max Horz 2=-198(LC 12)

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

TOP CHORD	2-18=-1927/40, 3-18=-1797/44, 3-4=-1788/77, 4-19=-1468/124, 5-19=-1304/143, 5-6=-1290/167, 6-7=-1002/171, 7-8=-1289/167, 8-20=-1305/143, 9-20=-1469/124, 9-10=-1782/77, 10-21=-1790/44, 11-21=-1922/40
BOT CHORD	2-22=0/1454, 17-22=0/1454, 17-23=0/1454, 16-23=0/1454, 16-24=0/1071, 15-24=0/1071, 14-15=0/1071, 14-25=0/1330, 13-25=0/1330, 13-26=0/1330, 11-26=0/1330
WEBS	4-17=0/315, 4-16=-532/111, 6-16=-18/540, 7-14=-27/502, 9-14=-532/111, 9-13=0/315

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-0-0, Exterior(2) 13-0-0 to 21-2-15, Interior(1) 21-2-15 to 30-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) 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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	J01	Jack-Open	11	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:05:35 2021 Page 1

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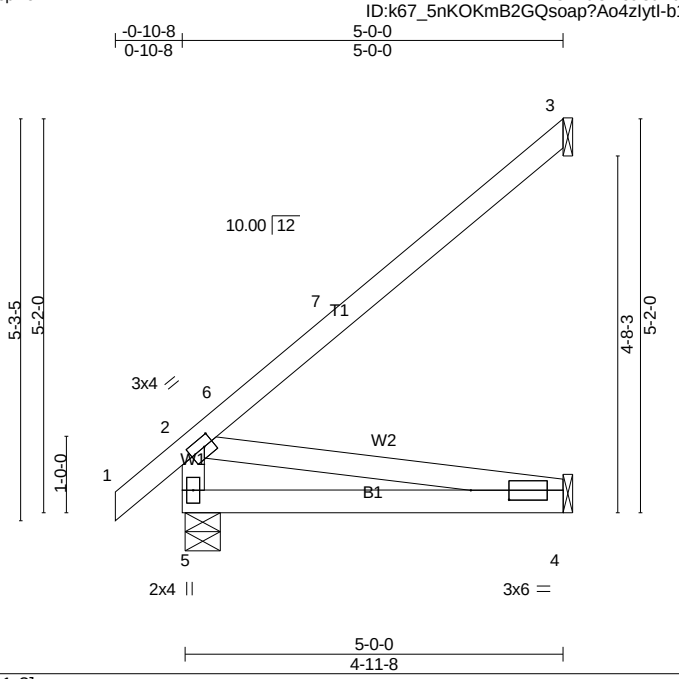

Plate Offsets (X,Y)-- [2:0-1-8,0-1-8], [4:0-6-0,0-1-8]

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	0.48	Vert(LL)	-0.03	4-5	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.07	4-5	>875	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 21 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 5=336/0-5-8 (min. 0-1-8), 3=187/Mechanical, 4=49/Mechanical
Max Horz 5=133(LC 14)
Max Uplift3=-58(LC 14)
Max Grav 5=336(LC 1), 3=187(LC 1), 4=97(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-288/18

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	J02	Jack-Open	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:05:55 2021 Page 1

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0-10-8 3-0-7

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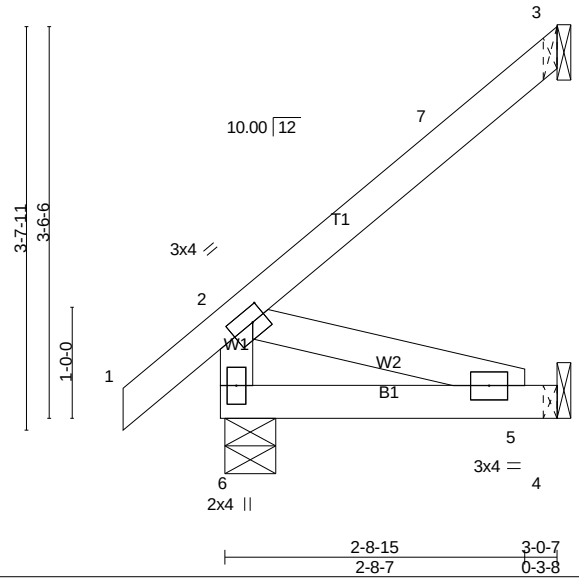

2-8-15 3-0-7
2-8-7 0-3-8

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

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	0.13	Vert(LL)	-0.00	5-6	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 13 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 6=242/0-5-8 (min. 0-1-8), 3=100/Mechanical, 4=28/Mechanical
Max Horz 6=96(LC 14)
Max Uplift3=-29(LC 14), 4=-8(LC 14)
Max Grav 6=242(LC 1), 3=100(LC 1), 4=57(LC 5)

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

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-11-11 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	J03	Jack-Open	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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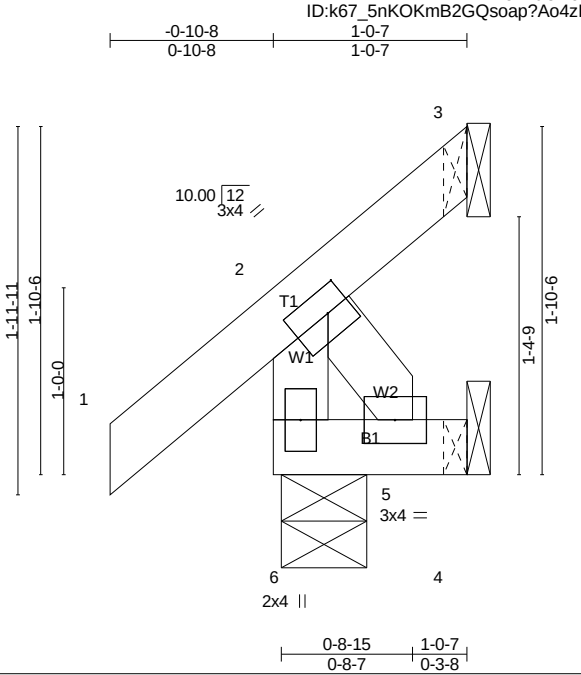

Plate Offsets (X,Y)-- [2:0-1-8,0-1-8]

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	0.09	Vert(LL)	0.00	6	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 6 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 6=176/0-5-8 (min. 0-1-8), 3=-13/Mechanical, 4=9/Mechanical
Max Horz 6=31(LC 14)
Max Uplift6=-8(LC 14), 3=-40(LC 18), 4=-29(LC 14)
Max Grav 6=176(LC 1), 3=16(LC 14), 4=20(LC 12)

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

NOTES- (9)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 3, 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	J04	Jack-Open	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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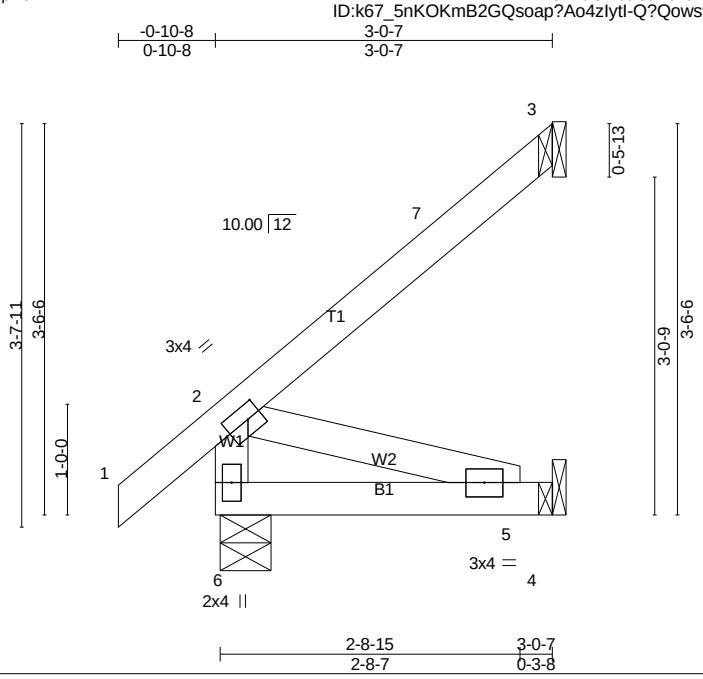

Plate Offsets (X,Y)-- [2:0-1-8,0-1-8]

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	0.13	Vert(LL)	-0.00	5-6	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 13 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 6=242/0-5-8 (min. 0-1-8), 3=100/Mechanical, 4=28/Mechanical
Max Horz 6=96(LC 14)
Max Uplift3=-29(LC 14), 4=-8(LC 14)
Max Grav 6=242(LC 1), 3=100(LC 1), 4=57(LC 5)

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

NOTES- (9)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-11-11 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	J05	Jack-Open	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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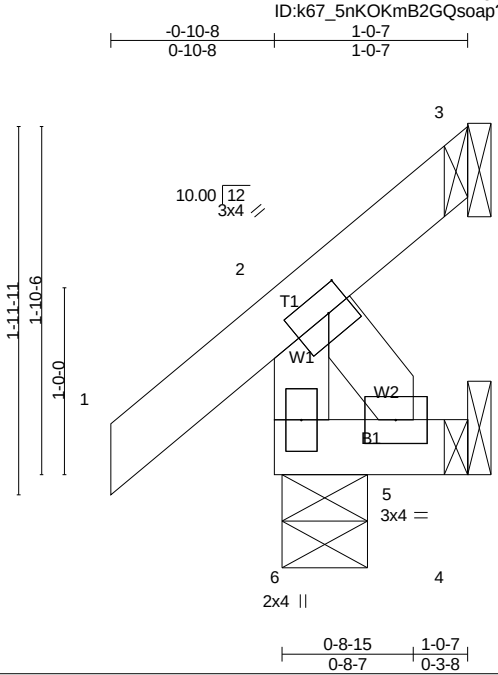

Plate Offsets (X,Y)-- [2:0-1-8,0-1-8]

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	0.09	Vert(LL)	0.00	6	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 6 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-0-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 6=176/0-5-8 (min. 0-1-8), 3=-13/Mechanical, 4=9/Mechanical
Max Horz 6=31(LC 14)
Max Uplift6=-8(LC 14), 3=-40(LC 18), 4=-29(LC 14)
Max Grav 6=176(LC 1), 3=16(LC 14), 4=20(LC 12)

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

NOTES- (9)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 3, 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	J06	Jack-Open	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:45 2021 Page 1

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0-10-8 2-0-15

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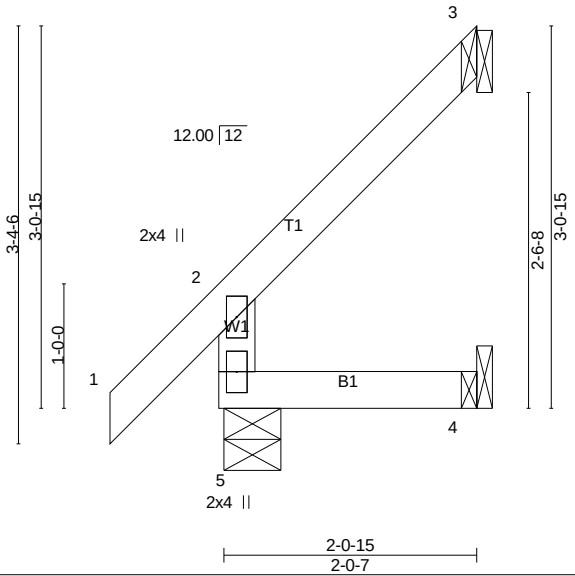

2-0-15
2-0-7

LOADING (psf)			SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0		Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00	5	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0		Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	4-5	>999	180		
TCDL	10.0		Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0	*	Code IRC2015/TPI2014		Matrix-R							Weight: 8 lb	FT = 10%
BCDL	10.0												

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=201/0-5-8 (min. 0-1-8), 3=56/Mechanical, 4=16/Mechanical
Max Horz 5=91(LC 14)
Max Uplift3=-33(LC 14), 4=-7(LC 14)
Max Grav 5=201(LC 1), 3=62(LC 20), 4=34(LC 5)

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

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3 and 7 lb uplift at joint 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	J07	Jack-Open	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:45 2021 Page 1

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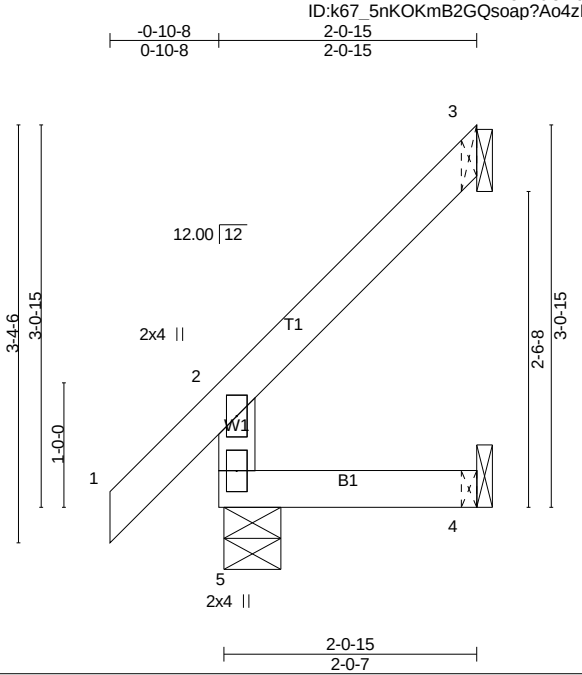

LOADING (psf)			SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0		Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00	5	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0		Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	4-5	>999	180		
TCDL	10.0		Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0	*	Code IRC2015/TPI2014		Matrix-R							Weight: 8 lb	FT = 10%
BCDL	10.0												

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=201/0-5-8 (min. 0-1-8), 3=56/Mechanical, 4=16/Mechanical
Max Horz 5=91(LC 14)
Max Uplift3=-33(LC 14), 4=-7(LC 14)
Max Grav 5=201(LC 1), 3=62(LC 20), 4=34(LC 5)

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

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3 and 7 lb uplift at joint 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	M01	Monopitch	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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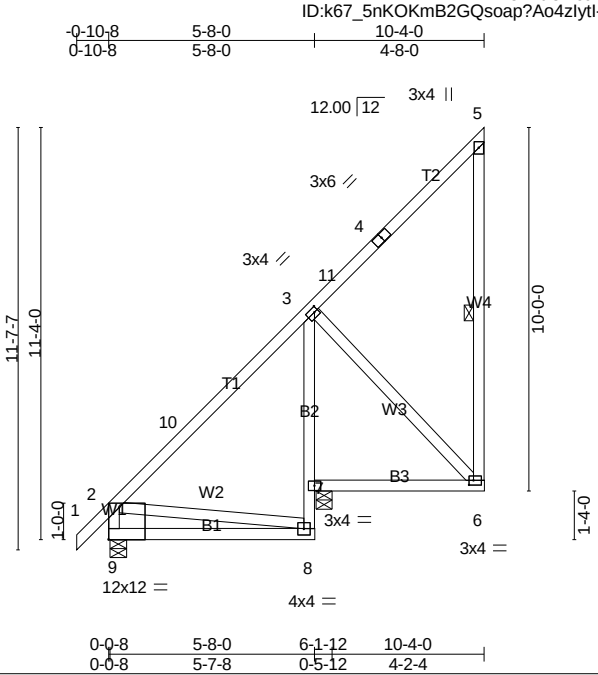

Plate Offsets (X,Y)-- [3:0-1-4,0-1-8], [6:0-1-8,0-1-8], [9:Edge,0-10-9]

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	0.49	Vert(LL)	-0.03	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.07	8-9	>968	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	-0.04	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 61 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 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

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

REACTIONS. (lb/size) 9=158/0-5-8 (min. 0-1-8), 7=945/0-5-4 (min. 0-1-9)
Max Horz 9=291(LC 11)
Max Uplift 9=-109(LC 12), 7=-325(LC 11)
Max Grav 9=363(LC 21), 7=1000(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-723/687, 3-10=-682/735, 2-9=-545/446
BOT CHORD 8-9=-482/593, 3-7=-873/690
WEBS 3-6=-310/332, 2-8=-711/604

NOTES- (8)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
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 109 lb uplift at joint 9 and 325 lb uplift at joint 7.
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.
8) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	M01G	GABLE	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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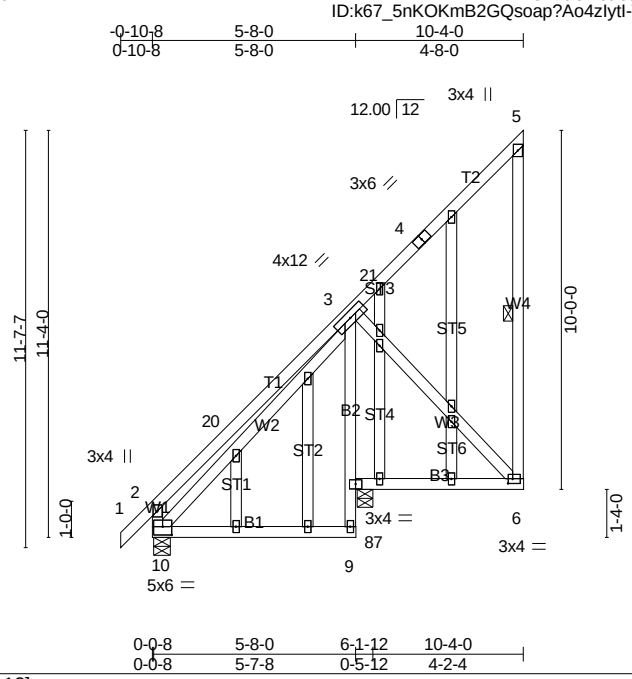

Plate Offsets (X,Y)-- [6:0-1-8,0-1-8], [10:0-3-0,0-2-12]

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	0.45	Vert(LL)	-0.03	9-10	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.07	9-10	>948	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	-0.04	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 86 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 8-9.
WEBS	1 Row at midpt 5-6

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

REACTIONS. (lb/size) 8=907/0-5-4 (min. 0-1-9), 10=163/0-5-8 (min. 0-1-8), 7=33/0-5-4 (min. 0-1-9)
Max Horz 10=291(LC 11)
Max Uplift8=-339(LC 11), 10=-102(LC 12), 7=-70(LC 15)
Max Grav 8=971(LC 20), 10=370(LC 21), 7=141(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-338/180, 3-20=-288/209, 2-10=-421/209
BOT CHORD 3-8=-975/758
WEBS 3-6=-296/329, 3-10=-821/969

NOTES- (11)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 339 lb uplift at joint 8, 102 lb uplift at joint 10 and 70 lb uplift at joint 7.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	M02	Monopitch	4	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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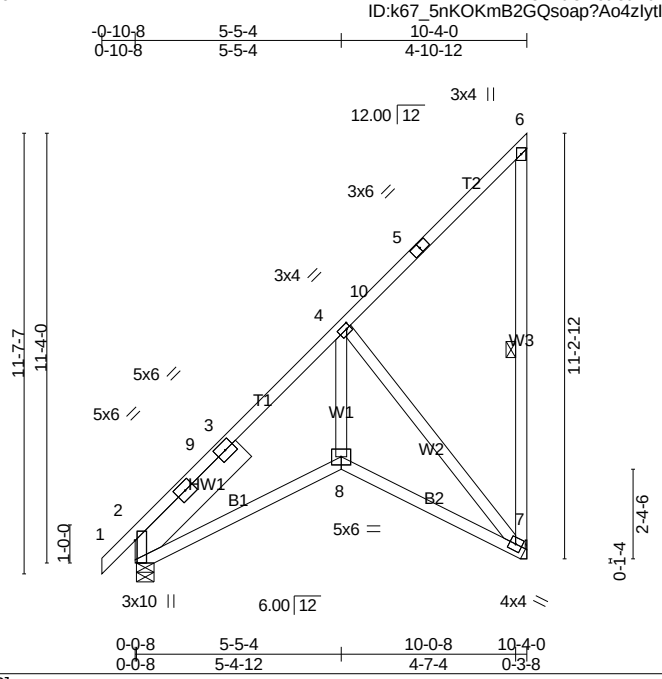

Plate Offsets (X,Y)-- [2:0-7-1,Edge], [4:0-1-4,0-1-8]

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	0.60	Vert(LL)	-0.03	2-8	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.06	2-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.03	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 69 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 4-1-4

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-1-3 oc bracing.
WEBS	1 Row at midpt 6-7

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

REACTIONS. (lb/size) 7=507/Mechanical, 2=597/0-5-8 (min. 0-1-8)
Max Horz 2=298(LC 11)
Max Uplift7=-123(LC 11)
Max Grav 7=538(LC 20), 2=597(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-738/0, 3-9=-638/0, 3-4=-478/1
BOT CHORD 2-8=-399/688, 7-8=-384/677
WEBS 4-8=-261/674, 4-7=-777/399

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=123.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	M02G	GABLE	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:10:49 2021 Page 1

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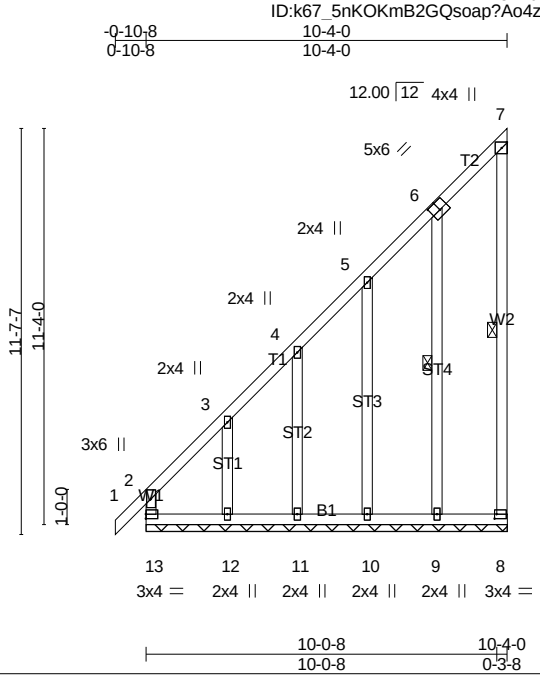

Plate Offsets (X,Y)-- [6:0-3-0,0-3-0], [8:0-0-12,0-1-8]

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	0.65	Vert(LL)	0.00	1	n/r	120	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.00	2	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-R							Weight: 69 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-8, 6-9

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

REACTIONS. All bearings 10-4-0.
(lb) - Max Horz 13=307(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 8, 9, 10, 11 except 13=-108(LC 12), 12=-156(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 8, 9, 10, 11 except 13=344(LC 21), 12=278(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-438/362, 2-3=-604/585, 3-4=-416/421, 4-5=-354/373, 5-6=-272/313
WEBS 3-12=-273/239

NOTES- (12)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-4-0, Exterior(2) 2-4-0 to 10-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9, 10, 11 except (jt=lb) 13=108, 12=156.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	M03	Monopitch	4	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:25:27 2021 Page 1

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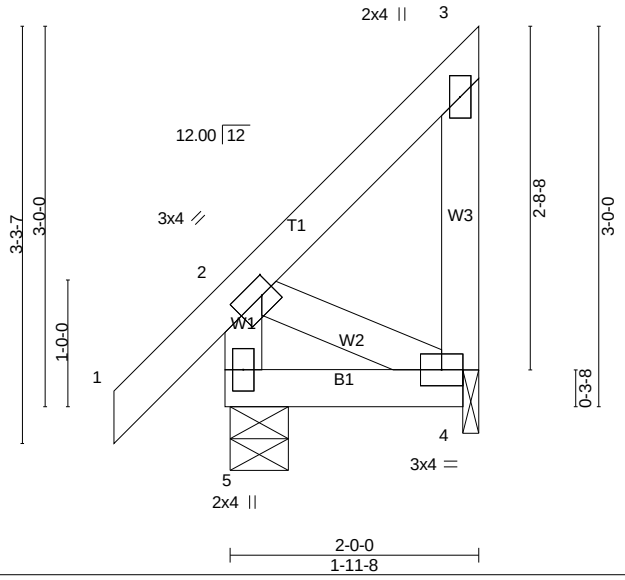

Plate Offsets (X,Y)-- [2:0-1-4,0-1-8]

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	0.09	Vert(LL)	-0.00	5	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	4	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-P								
BCDL	10.0										Weight: 12 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-

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

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

REACTIONS. (lb/size) 5=195/0-5-8 (min. 0-1-8), 4=62/0-1-8 (min. 0-1-8)
Max Horz 5=79(LC 11)
Max Uplift5=-14(LC 14), 4=-45(LC 11)
Max Grav 5=195(LC 1), 4=82(LC 20)

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

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
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.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	M04	Monopitch	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:21:54 2021 Page 1

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0-10-8 | 2-1-11 | 0-3-8

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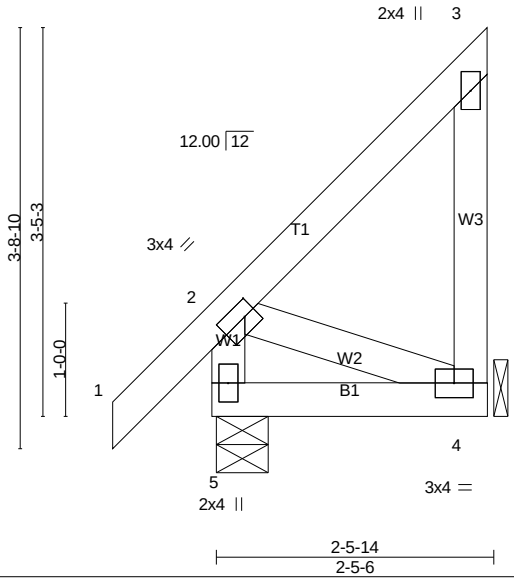

Plate Offsets (X,Y)-- [2:0-1-4,0-1-8]

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	0.09	Vert(LL)	-0.00	4-5	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 14 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-3 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=89/Mechanical, 5=212/0-5-8 (min. 0-1-8)
Max Horz 5=91(LC 11)
Max Uplift 4=-48(LC 11), 5=-13(LC 14)
Max Grav 4=108(LC 20), 5=212(LC 1)

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

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	M05	Monopitch	5	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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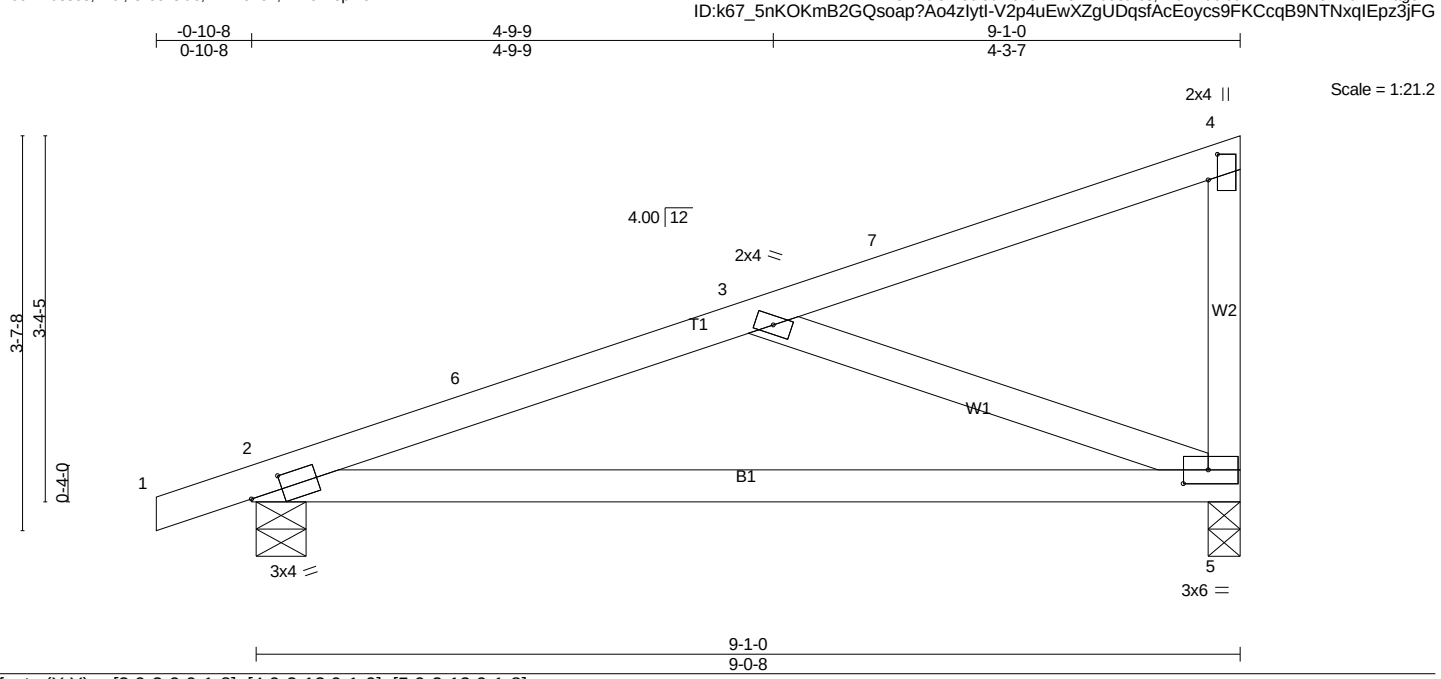

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [4:0-2-13,0-1-0], [5:0-2-12,0-1-8]

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	0.33	Vert(LL)	-0.20	2-5	>532	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.40	2-5	>263	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 31 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 5=437/0-3-8 (min. 0-1-8), 2=538/0-5-8 (min. 0-1-8)
Max Horz 2=85(LC 15)
Max Uplift2=-17(LC 16)
Max Grav 5=506(LC 21), 2=561(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-781/72, 3-6=-741/87
BOT CHORD 2-5=-146/704
WEBS 3-5=-700/135

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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 30.8 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 2.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S01	Scissor	6	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:13:08 2021 Page 1

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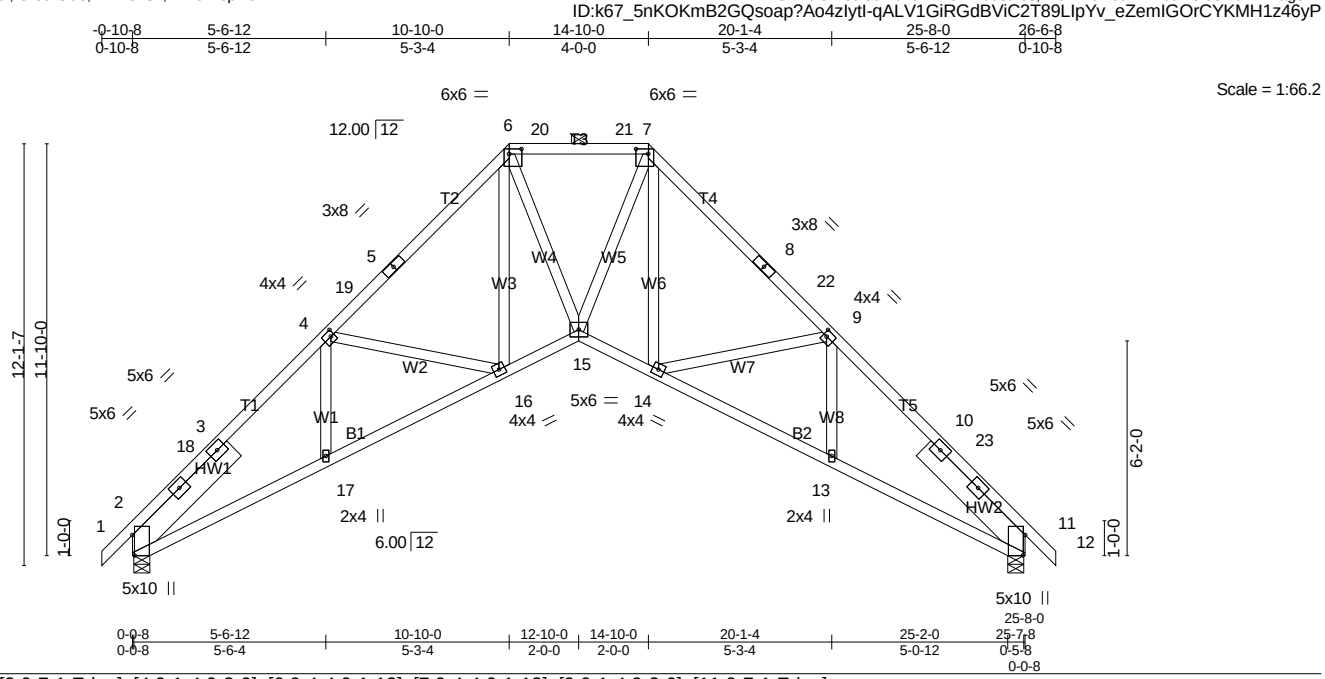

Plate Offsets (X,Y)-- [2:0-7-1,Edge], [4:0-1-4,0-2-0], [6:0-4-4,0-1-12], [7:0-4-4,0-1-12], [9:0-1-4,0-2-0], [11:0-7-1,Edge]

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	0.89	Vert(LL)	-0.15	15	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.25	13-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.33	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 147 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SPF No.2 *Except*
T1,T5: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
SLIDER Left 2x8 SP 2400F 2.0E 4-2-5, Right 2x8 SP 2400F 2.0E 4-2-5

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-10 max.): 6-7.
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=1373/0-5-8 (min. 0-1-13), 11=1373/0-5-8 (min. 0-1-13)
Max Horz 2=207(LC 13)
Max Uplift2=-4(LC 14), 11=-4(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2468/0, 3-18=-2305/0, 3-4=-2304/22, 4-19=-1935/0, 5-19=-1853/0, 5-6=-1830/25, 6-20=-1519/18, 20-21=-1519/18, 7-21=-1519/18, 7-8=-1830/27, 8-22=-1853/0, 9-22=-1935/0, 9-10=-2304/0, 10-23=-2305/0, 11-23=-2468/0
BOT CHORD 2-17=0/1690, 16-17=0/1705, 15-16=0/1429, 14-15=0/1429, 13-14=0/1701, 11-13=0/1684
WEBS 4-16=-298/160, 6-16=-57/304, 6-15=0/675, 7-15=0/712, 7-14=-57/304, 9-14=-297/161

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-10-0, Exterior(2) 10-10-0 to 19-0-15, Interior(1) 19-0-15 to 26-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 2, 11 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) 2, 11.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S01G	GABLE	1	1	Job Reference (optional)

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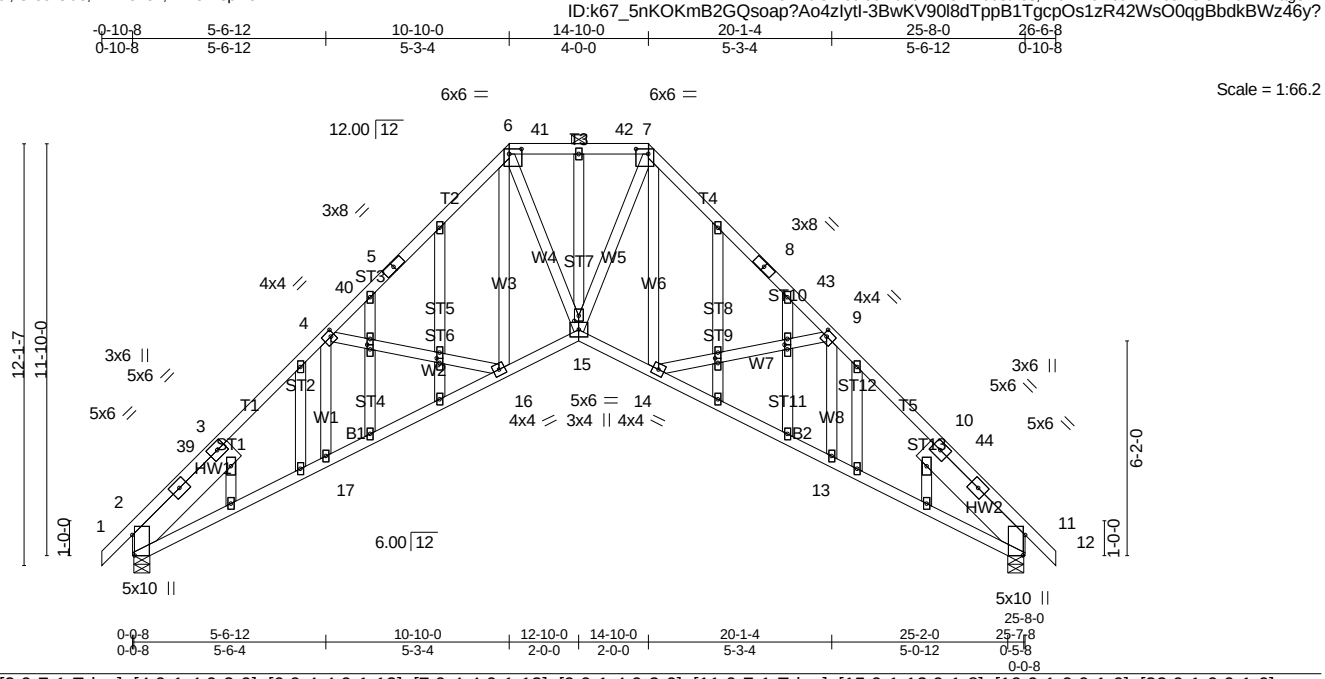

Plate Offsets (X,Y)-- [2:0-7-1,Edge], [4:0-1-4,0-2-0], [6:0-4-4,0-1-12], [7:0-4-4,0-1-12], [9:0-1-4,0-2-0], [11:0-7-1,Edge], [15:0-1-12,0-1-8], [19:0-1-9,0-1-0], [22:0-1-9,0-1-0], [31:0-1-9,0-1-0], [34:0-1-9,0-1-0]

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	0.89	Vert(LL)	-0.15	15	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.25	13-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.33	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 183 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* T1,T5: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 4-2-5, Right 2x8 SP 2400F 2.0E 4-2-5

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-10 max.): 6-7.
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=1373/0-5-8 (min. 0-1-13), 11=1373/0-5-8 (min. 0-1-13)
Max Horz 2=207(LC 13)
Max Uplift2=-4(LC 14), 11=-4(LC 14)

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

TOP CHORD	2-39=-2468/0, 3-39=-2305/0, 3-4=-2304/22, 4-40=-1935/0, 5-40=-1853/0, 5-6=-1830/25, 6-41=-1519/18, 41-42=-1519/18, 7-42=-1519/18, 7-8=-1830/27, 8-43=-1853/0, 9-43=-1935/0, 9-10=-2304/0, 10-44=-2305/0, 11-44=-2468/0
BOT CHORD	2-17=0/1690, 16-17=0/1705, 15-16=0/1429, 14-15=0/1429, 13-14=0/1701, 11-13=0/1684
WEBS	4-16=-298/160, 6-16=-57/304, 6-15=0/675, 7-15=0/712, 7-14=-57/304, 9-14=-297/161

NOTES- (15)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-10-0, Exterior(2) 10-10-0 to 19-0-15, Interior(1) 19-0-15 to 26-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Bearing at joint(s) 2, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S01G	GABLE	1	1	Job Reference (optional)

NOTES- (15)

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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	S02	Scissor	6	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:51 2021 Page 1

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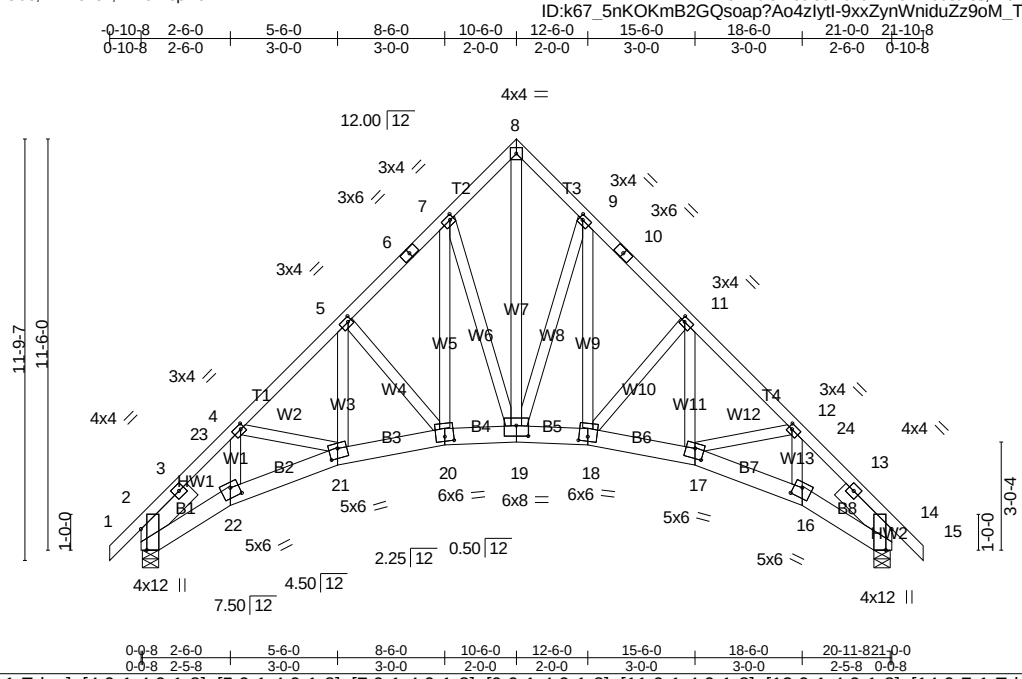

Plate Offsets (X,Y)-- [2:0-7-1,Edge], [4:0-1-4,0-1-8], [5:0-1-4,0-1-8], [7:0-1-4,0-1-8], [9:0-1-4,0-1-8], [11:0-1-4,0-1-8], [12:0-1-4,0-1-8], [14:0-7-1,Edge], [16:0-2-12,0-3-4], [17:0-3-0,0-3-4], [18:0-3-0,0-1-8], [19:0-4-0,0-3-8], [20:0-3-0,0-1-8], [21:0-3-0,0-3-4], [22:0-2-12,0-3-4]

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	0.71	Vert(LL)	-0.08	20	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.13	20	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.16	14	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S							Weight: 149 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.2
SLIDER Left 2x6 SPF No.2 -Ø 2-0-12, Right 2x6 SPF No.2 -Ø 2-0-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 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=1133/0-5-8 (min. 0-1-8), 14=1133/0-5-8 (min. 0-1-8)
Max Horz 2=-200(LC 12)
Max Uplift2=-10(LC 14), 14=-10(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1733/0, 3-23=-1677/0, 4-23=-1622/0, 4-5=-1600/12, 5-6=-1274/44, 6-7=-1166/55, 7-8=-991/105, 8-9=-991/103, 9-10=-1166/53, 10-11=-1274/41, 11-12=-1600/8, 12-24=-1609/0, 13-24=-1677/0, 13-14=-1733/0
BOT CHORD 2-22=-43/1187, 21-22=-26/1184, 20-21=0/1146, 19-20=0/839, 18-19=0/830, 17-18=0/1125, 16-17=0/1111, 14-16=0/1093
WEBS 8-19=-109/1139, 9-19=-502/83, 9-18=0/486, 11-18=-423/62, 11-17=0/271, 7-19=-521/82, 7-20=0/504, 5-20=-439/61, 5-21=0/304

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-6-0, Exterior(2) 10-6-0 to 13-6-0, Interior(1) 13-6-0 to 21-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S02G	GABLE	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Tue Jun 22 14:33:27 2021 Page 1

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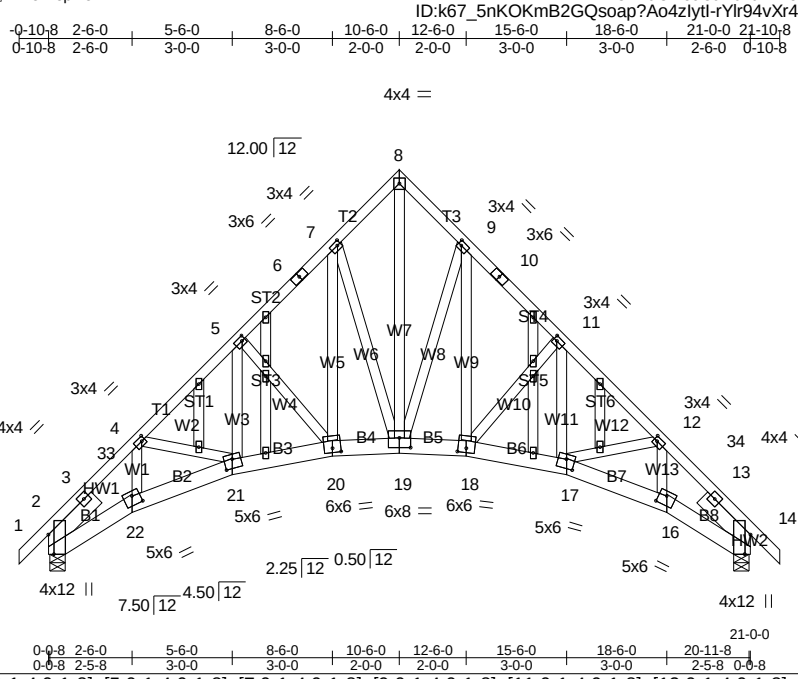

Plate Offsets (X,Y)-- [2:0-7-1,Edge], [4:0-1-4,0-1-8], [5:0-1-4,0-1-8], [7:0-1-4,0-1-8], [9:0-1-4,0-1-8], [11:0-1-4,0-1-8], [12:0-1-4,0-1-8], [14:0-7-1,Edge], [16:0-2-12,0-3-4], [17:0-3-0,0-3-4], [18:0-3-0,0-1-8], [19:0-4-0,0-3-8], [20:0-3-0,0-1-8], [21:0-3-0,0-3-4], [22:0-2-12,0-3-4]

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	0.71	Vert(LL)	-0.08	20	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.13	20	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.16	14	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S							Weight: 163 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.2
OTHERS 2x4 SPF No.2
SLIDER Left 2x6 SPF No.2 2-0-12, Right 2x6 SPF No.2 2-0-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 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=1133/0-5-8 (min. 0-1-8), 14=1133/0-5-8 (min. 0-1-8)
Max Horz 2=200(LC 13)
Max Uplift2=-10(LC 14), 14=-10(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1733/0, 3-33=-1677/0, 4-33=-1622/0, 4-5=-1600/12, 5-6=-1274/44, 6-7=-1166/55, 7-8=-991/105, 8-9=-991/103, 9-10=-1166/53, 10-11=-1274/41, 11-12=-1600/8, 12-34=-1609/0, 13-34=-1677/0, 13-14=-1733/0
BOT CHORD 2-22=-43/1187, 21-22=-26/1184, 20-21=0/1146, 19-20=0/839, 18-19=0/830, 17-18=0/1125, 16-17=0/1111, 14-16=0/1093
WEBS 8-19=-109/1139, 9-19=-502/83, 9-18=0/486, 11-18=-423/62, 11-17=0/271, 7-19=-521/82, 7-20=0/504, 5-20=-439/61, 5-21=0/304

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-6-0, Exterior(2) 10-6-0 to 13-6-0, Interior(1) 13-6-0 to 21-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) 2, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 2 and 10 lb uplift at joint 14.

Continued on page 2

NOTES- (13)

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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S03	SCISSORS	6	1	Job Reference (optional)

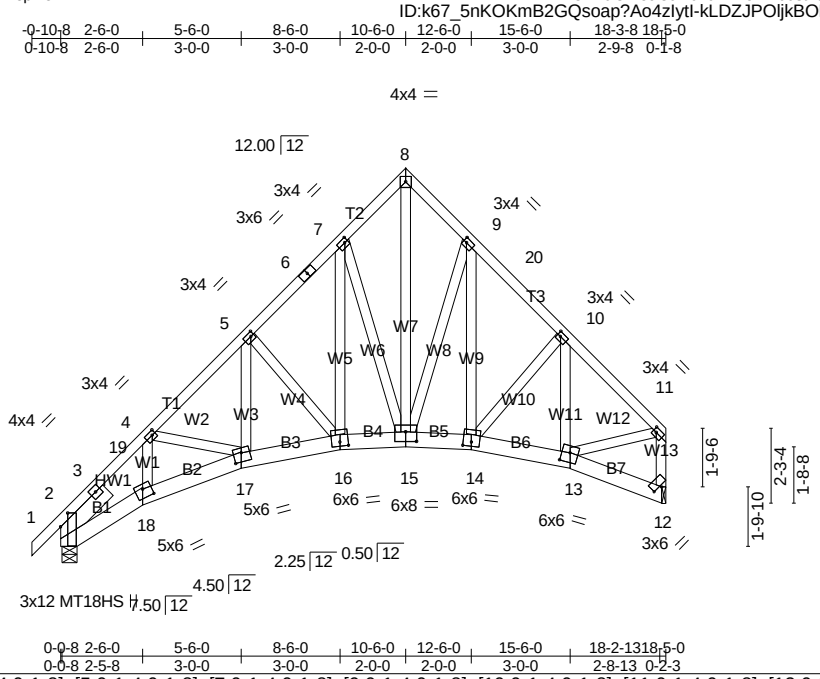

Plate Offsets (X,Y)-- [2:0-5-0,0-2-10], [4:0-1-4,0-1-8], [5:0-1-4,0-1-8], [7:0-1-4,0-1-8], [9:0-1-4,0-1-8], [10:0-1-4,0-1-8], [11:0-1-4,0-1-8], [12:0-3-3,0-0-12], [13:0-3-0,0-3-8], [14:0-3-0,0-1-8], [15:0-4-0,0-3-8], [16:0-3-0,0-1-8], [17:0-3-0,0-3-4], [18:0-3-0,0-3-4]

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	0.60	Vert(LL)	-0.05	17	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.08	16-17	>999	180	MT18HS	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.08	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 134 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.2
SLIDER Left 2x6 SPF No.2 2-0-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-13.

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

REACTIONS. (lb/size) 2=1007/0-5-8 (min. 0-1-8), 12=915/0-1-8 (min. 0-1-8)
Max Horz 2=203(LC 13)
Max Uplift2=-10(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1508/76, 3-19=-1449/84, 4-19=-1394/94, 4-5=-1349/91, 5-6=-1032/96, 6-7=-925/107, 7-8=-765/146, 8-9=-768/151, 9-20=-805/114, 10-20=-912/92, 10-11=-893/58, 11-12=-878/54
BOT CHORD 2-18=-145/1034, 17-18=-133/1029, 16-17=-56/963, 15-16=-3/672, 14-15=0/581, 13-14=-30/603
WEBS 5-17=-19/287, 5-16=-419/92, 7-16=-43/473, 7-15=-506/116, 8-15=-172/832, 9-15=-262/92, 10-13=-254/36, 11-13=-4/619

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-6-0, Exterior(2) 10-6-0 to 13-6-0, Interior(1) 13-6-0 to 18-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 2, 12 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 at joint(s) 12.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
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.

Continued on page 2

12) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S04	Scissor	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:24:13 2021 Page 1

ID:k67_5nKOKmB2GQsoap?Ao4zIytI-s61ucflafyz8zOOHcJmEGnxfbealc_3k7Vw27_z46o0

-0-10-8 | 4-9-12 | 9-4-0 | 13-10-4 | 18-8-0 | 19-6-8
0-10-8 | 4-9-12 | 4-6-4 | 4-6-4 | 4-9-12 | 0-10-8

Scale = 1:61.3

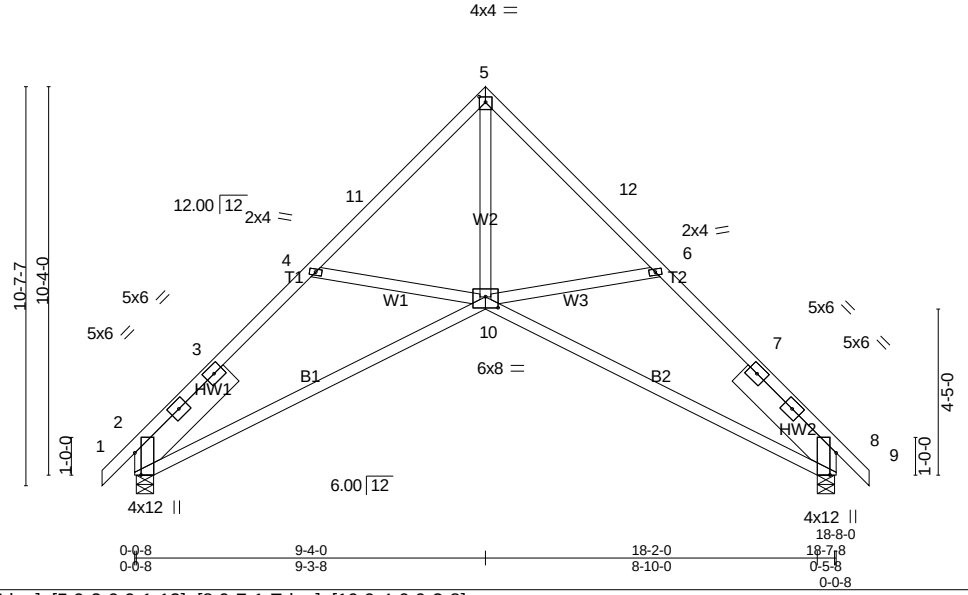

Plate Offsets (X,Y)-- [2:0-7-1,Edge], [5:0-2-0,0-1-12], [8:0-7-1,Edge], [10:0-4-0,0-3-8]

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	0.71	Vert(LL)	-0.24	2-10	>930	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.49	2-10	>453	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.18	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 96 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
SLIDER Left 2x8 SP 2400F 2.0E 3-8-2, Right 2x8 SP 2400F 2.0E 3-8-2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-9 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=1017/0-5-8 (min. 0-1-8), 8=1017/0-5-8 (min. 0-1-8)
Max Horz 2=-179(LC 12)
Max Uplift2=-9(LC 14), 8=-9(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1624/11, 3-4=-1483/35, 4-11=-1231/0, 5-11=-1137/0, 5-12=-1137/0, 6-12=-1231/0, 6-7=-1483/33, 7-8=-1624/9
BOT CHORD 2-10=-27/1139, 8-10=0/1105
WEBS 5-10=0/1183

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-4-0, Exterior(2) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 19-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S04G	GABLE	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:24:57 2021 Page 1

ID:k67_5nKOKmB2GQsoap?Ao4zIytI-ZahXriHAITWuF9lkBZZZ23mBUNb1wuyCEMaNfRz46nK

-0-10-8 4-9-12 9-4-0 13-10-4 18-8-0 19-6-8
0-10-8 4-9-12 4-6-4 4-6-4 4-9-12 0-10-8

Scale = 1:61.3

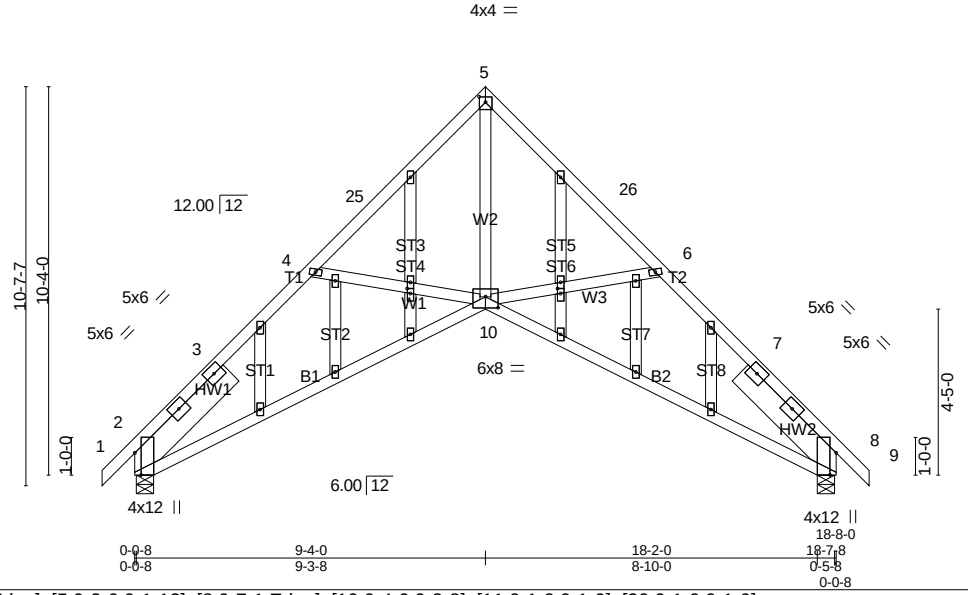

Plate Offsets (X,Y)-- [2:0-7-1,Edge], [5:0-2-0,0-1-12], [8:0-7-1,Edge], [10:0-4-0,0-3-8], [11:0-1-9,0-1-0], [20:0-1-9,0-1-0]

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	0.71	Vert(LL)	-0.24	2-10	>930	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.49	2-10	>453	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.18	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 117 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-8-2, Right 2x8 SP 2400F 2.0E 3-8-2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-1-9 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=1017/0-5-8 (min. 0-1-8), 8=1017/0-5-8 (min. 0-1-8)
Max Horz 2=-179(LC 12)
Max Uplift2=-9(LC 14), 8=-9(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1624/11, 3-4=-1483/35, 4-25=-1231/0, 5-25=-1137/0, 5-26=-1137/0, 6-26=-1231/0, 6-7=-1483/33, 7-8=-1624/9
BOT CHORD 2-10=-27/1139, 8-10=0/1105
WEBS 5-10=0/1183

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-4-0, Exterior(2) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 19-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
13) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S05	SCISSORS	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:26:15 2021 Page 1

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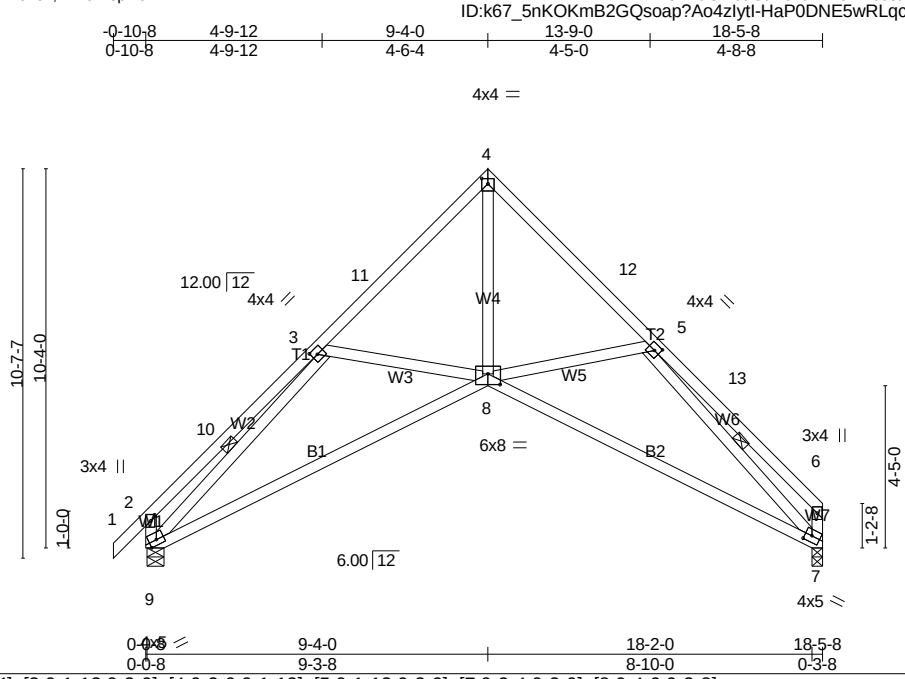

Plate Offsets (X,Y)-- [2:0-2-0,0-1-4], [3:0-1-12,0-2-0], [4:0-2-0,0-1-12], [5:0-1-12,0-2-0], [7:0-2-4,0-2-0], [8:0-4-0,0-3-8]

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	0.30	Vert(LL)	-0.24	8-9	>891	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.50	8-9	>437	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.14	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 89 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-8-2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-7, 3-9

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

REACTIONS. (lb/size) 7=921/0-3-8 (min. 0-1-8), 9=1009/0-5-8 (min. 0-1-8)
Max Horz 9=198(LC 13)
Max Uplift9=-9(LC 14)

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

TOP CHORD	2-10=-436/70, 3-10=-330/91, 3-11=-1249/0, 4-11=-1105/25, 4-12=-1105/40, 5-12=-1247/5, 6-13=-351/40, 6-7=-330/59, 2-9=-483/114
BOT CHORD	8-9=-62/1153, 7-8=-31/1103
WEBS	4-8=0/1210, 5-7=-1252/26, 3-9=-1189/0

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-4-0, Exterior(2) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-3-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 7, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S06	SCISSORS	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:26:41 2021 Page 1

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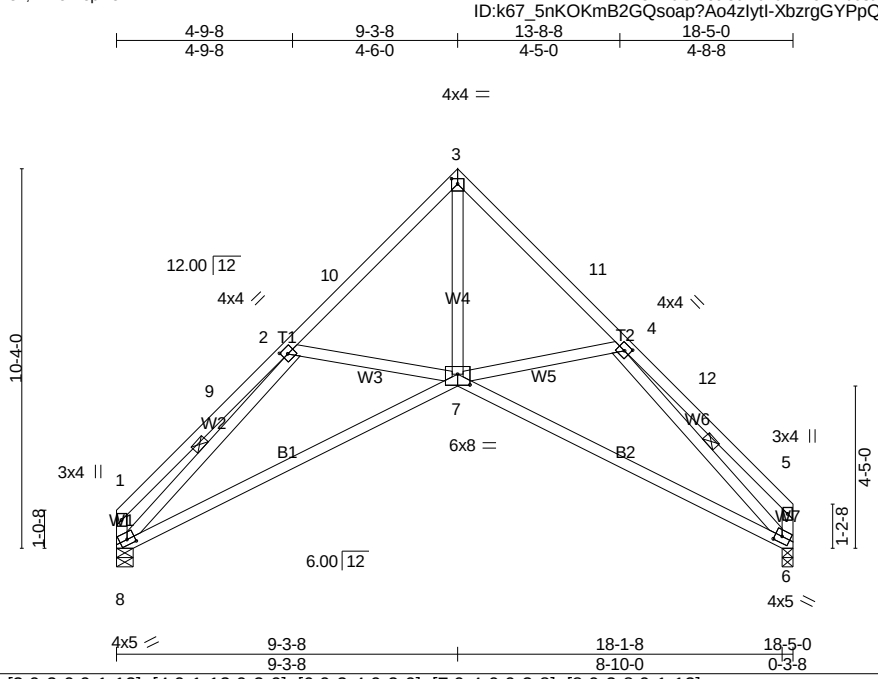

Plate Offsets (X,Y)-- [2:0-1-12,0-2-0], [3:0-2-0,0-1-12], [4:0-1-12,0-2-0], [6:0-2-4,0-2-0], [7:0-4-0,0-3-8], [8:0-2-8,0-1-12]

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	0.31	Vert(LL)	-0.24	7-8	>906	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.49	7-8	>444	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.14	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 88 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-8, 4-6

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

REACTIONS. (lb/size) 8=921/0-5-8 (min. 0-1-8), 6=921/0-3-8 (min. 0-1-8)
Max Horz 8=185(LC 13)

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

TOP CHORD	1-9=-384/35, 2-9=-278/57, 2-10=-1251/0, 3-10=-1105/25, 3-11=-1105/39, 4-11=-1247/4, 5-12=-350/40, 1-8=-355/56, 5-6=-330/59
BOT CHORD	7-8=-61/1158, 6-7=-31/1104
WEBS	3-7=0/1215, 2-8=-1243/22, 4-6=-1253/26

NOTES- (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-3-8, Exterior(2) 9-3-8 to 12-3-8, Interior(1) 12-3-8 to 18-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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.
8) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	S06G	Scissor Structural Gable	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:01:58 2021 Page 1

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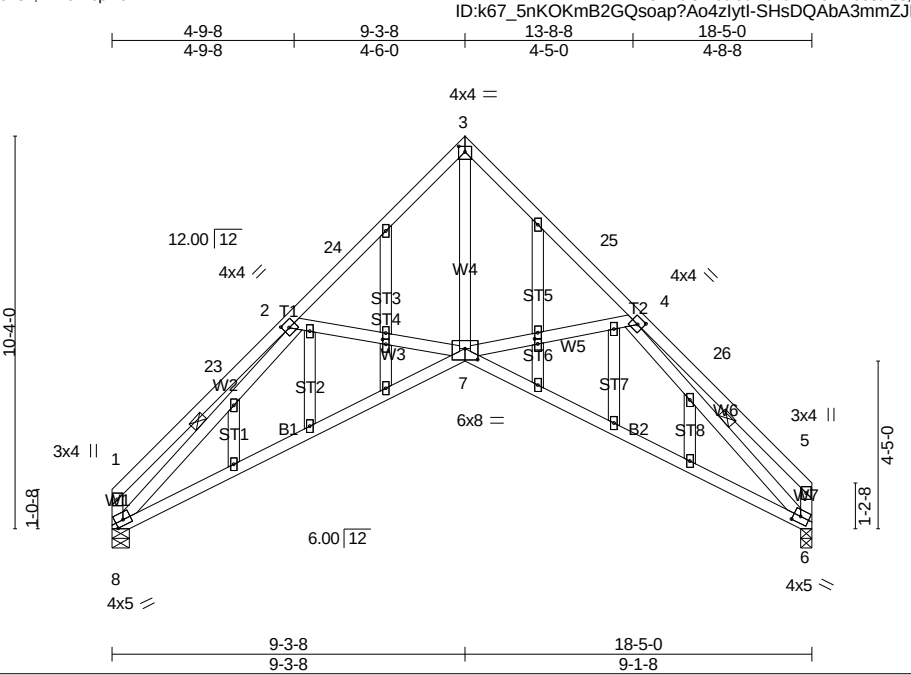

Plate Offsets (X,Y)-- [2:0-1-12,0-2-0], [3:0-2-0,0-1-12], [4:0-1-12,0-2-0], [6:0-2-4,0-2-0], [7:0-4-0,0-3-8], [8:0-2-8,0-1-12], [9:0-1-9,0-1-0], [18:0-1-9,0-1-0]

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	0.31	Vert(LL)	-0.24	7-8	>906	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.49	7-8	>444	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.14	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 107 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-8, 4-6

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

REACTIONS. (lb/size) 8=921/0-5-8 (min. 0-1-8), 6=921/0-3-8 (min. 0-1-8)
Max Horz 8=185(LC 13)

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

TOP CHORD	1-23=-384/35, 2-23=-278/57, 2-24=-1251/0, 3-24=-1105/25, 3-25=-1105/39, 4-25=-1247/4, 5-26=-350/40, 1-8=-355/56, 5-6=-330/59
BOT CHORD	7-8=-61/1158, 6-7=-31/1104
WEBS	3-7=0/1215, 2-8=-1243/22, 4-6=-1253/26

NOTES- (11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-3-8, Exterior(2) 9-3-8 to 12-3-8, Interior(1) 12-3-8 to 18-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S07	SCISSORS	8	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:29:46 2021 Page 1

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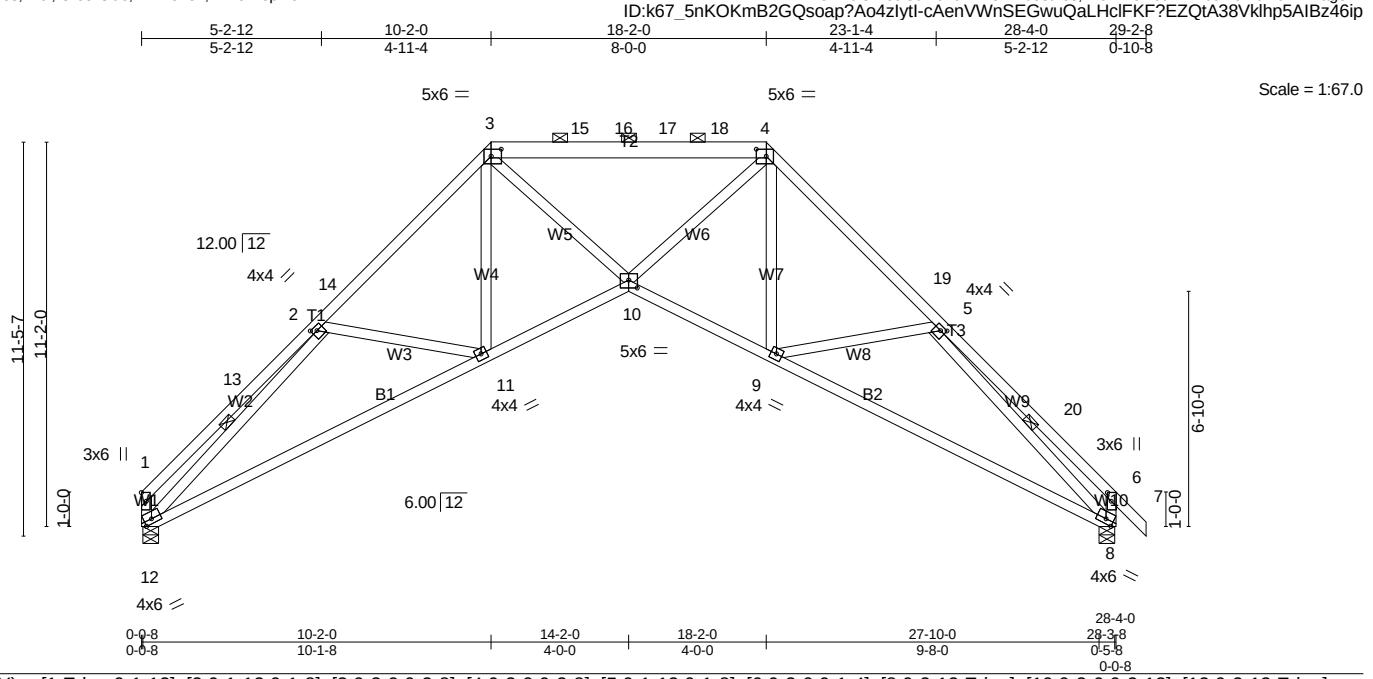

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-1-12,0-1-8], [3:0-3-9,0-2-8], [4:0-3-9,0-2-8], [5:0-1-12,0-1-8], [6:0-3-0,0-1-4], [8:0-2-12,Edge], [10:0-3-0,0-2-12], [12:0-2-12,Edge]

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	0.72	Vert(LL)	-0.28	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.58	8-9	>577	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.37	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 141 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* T2: 2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-11-10, Right 2x8 SP 2400F 2.0E 3-11-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-4-2 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-12, 5-8

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

REACTIONS. (lb/size) 12=1423/0-5-8 (min. 0-1-14), 8=1509/0-5-8 (min. 0-2-0)
Max Horz 12=-217(LC 12)
Max Uplift8=-2(LC 14)

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

TOP CHORD	1-13=-488/50, 2-13=-341/74, 2-14=-2395/0, 3-14=-2246/18, 3-15=-2388/0, 15-16=-2388/0, 16-17=-2388/0, 17-18=-2388/0, 4-18=-2388/0, 4-19=-2244/0, 5-19=-2390/0, 5-20=-429/115, 6-20=-566/90, 1-12=-441/70, 6-8=-591/132
BOT CHORD	11-12=-22/1949, 10-11=0/1771, 9-10=0/1770, 8-9=0/1932
WEBS	3-11=-12/355, 3-10=0/1131, 4-10=0/1132, 4-9=-14/353, 2-12=-2264/13, 5-8=-2172/0

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-2-0, Exterior(2) 10-2-0 to 14-4-15, Interior(1) 14-4-15 to 18-2-0, Exterior(2) 18-2-0 to 22-4-15, Interior(1) 22-4-15 to 29-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 12, 8 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) 8.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S07G	GABLE	1	1	Job Reference (optional)

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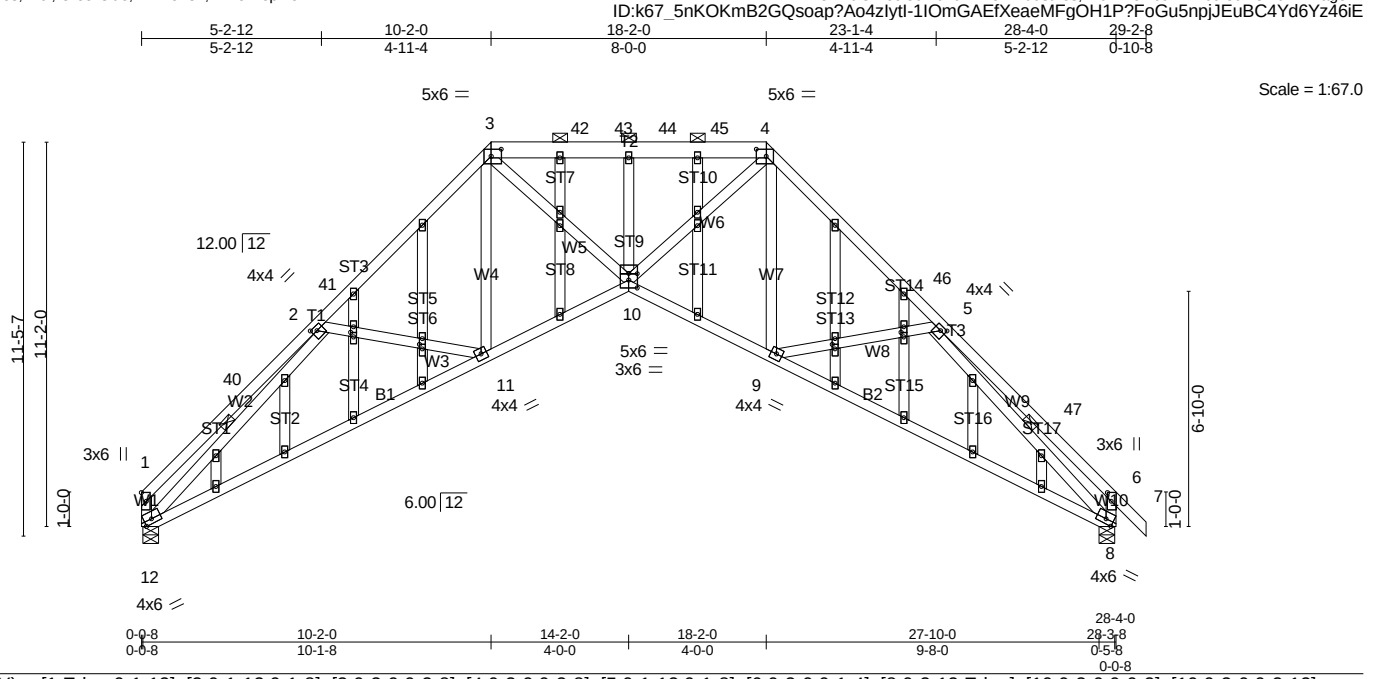

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-1-12,0-1-8], [3:0-3-9,0-2-8], [4:0-3-9,0-2-8], [5:0-1-12,0-1-8], [6:0-3-0,0-1-4], [8:0-2-12,Edge], [10:0-3-0,0-0-2], [10:0-3-0,0-2-12], [12:0-2-12,Edge], [17:0-1-9,0-1-0], [20:0-1-9,0-1-0], [32:0-1-9,0-1-0], [35:0-1-9,0-1-0]

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	0.72	Vert(LL)	-0.28	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.58	8-9	>577	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.37	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 181 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except*
	T2: 2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-11-10, Right 2x8 SP 2400F 2.0E 3-11-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-4-2 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-12, 5-8

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

REACTIONS. (lb/size) 12=1423/0-5-8 (min. 0-1-14), 8=1509/0-5-8 (min. 0-2-0)
Max Horz 12=-217(LC 12)
Max Uplift8=-2(LC 14)

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

TOP CHORD	1-40=-488/50, 2-40=-341/74, 2-41=-2395/0, 3-41=-2246/18, 3-42=-2388/0, 42-43=-2388/0, 43-44=-2388/0, 44-45=-2388/0, 4-45=-2388/0, 4-46=-2244/0, 5-46=-2390/0, 5-47=-429/115, 6-47=-566/90, 1-12=-441/70, 6-8=-591/132
BOT CHORD	11-12=-22/1949, 10-11=0/1771, 9-10=0/1770, 8-9=0/1932
WEBS	3-11=-12/355, 3-10=0/1131, 4-10=0/1132, 4-9=-14/353, 2-12=-2264/13, 5-8=-2172/0

NOTES- (15)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-2-0, Exterior(2) 10-2-0 to 14-4-15, Interior(1) 14-4-15 to 18-2-0, Exterior(2) 18-2-0 to 22-4-15, Interior(1) 22-4-15 to 29-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Bearing at joint(s) 12, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S07G	GABLE	1	1	Job Reference (optional)

NOTES- (15)
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S08	SCISSORS	9	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:30:55 2021 Page 1

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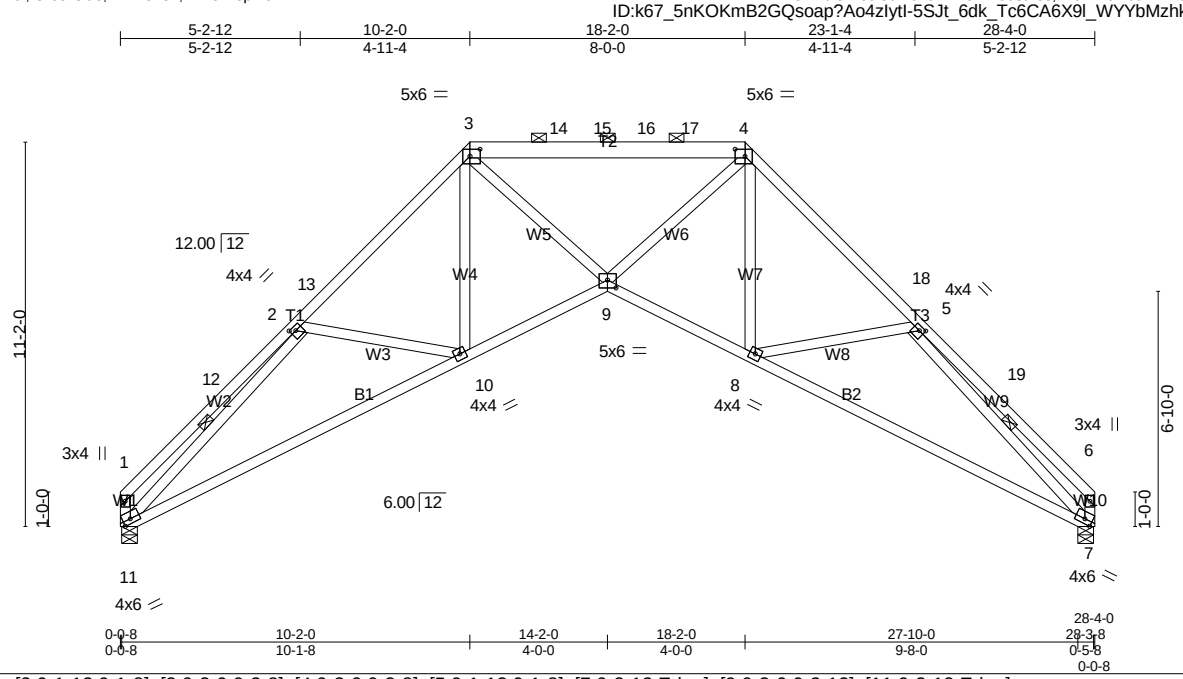

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-3-9,0-2-8], [4:0-3-9,0-2-8], [5:0-1-12,0-1-8], [7:0-2-12,Edge], [9:0-3-0,0-2-12], [11:0-2-12,Edge]

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	0.72	Vert(LL)	-0.28	7-8	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.58	10-11	>577	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.38	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 139 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* T2: 2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-11-10, Right 2x8 SP 2400F 2.0E 3-11-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-13 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-14 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-11, 5-7

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

REACTIONS. (lb/size) 11=1425/0-5-8 (min. 0-1-14), 7=1425/0-5-8 (min. 0-1-14)
Max Horz 11=-205(LC 12)

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

TOP CHORD	1-12=-488/51, 2-12=-341/75, 2-13=-2399/28, 3-13=-2250/67, 3-14=-2393/21, 14-15=-2393/21, 15-16=-2393/21, 16-17=-2393/21, 4-17=-2393/21, 4-18=-2250/68, 5-18=-2399/29, 5-19=-333/78, 6-19=-488/54, 1-11=-442/71, 6-7=-442/73
BOT CHORD	10-11=-70/1951, 9-10=0/1774, 8-9=0/1774, 7-8=-48/1951
WEBS	3-10=-9/355, 3-9=0/1134, 4-9=0/1134, 4-8=-12/355, 2-11=-2267/57, 5-7=-2267/45

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-2-0, Exterior(2) 10-2-0 to 14-4-15, Interior(1) 14-4-15 to 18-2-0, Exterior(2) 18-2-0 to 22-4-15, Interior(1) 22-4-15 to 28-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 11, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S09	SCISSORS	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:31:25 2021 Page 1

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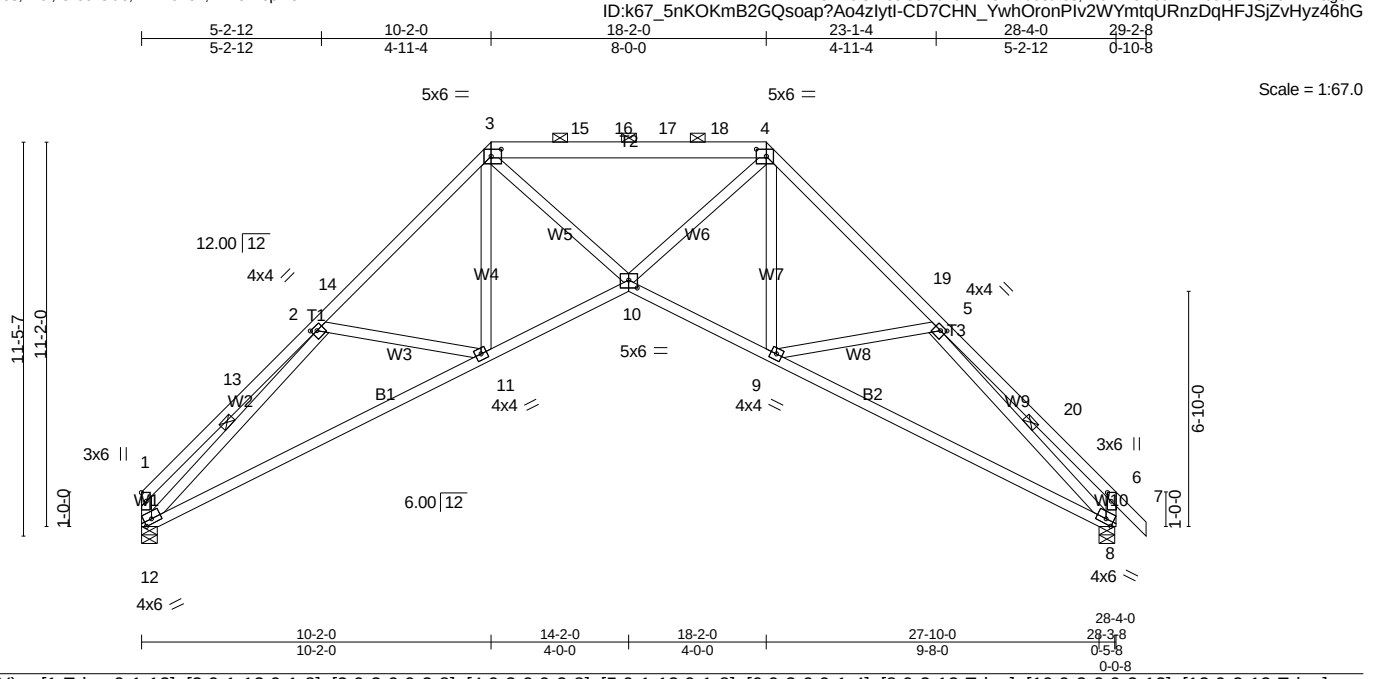

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-1-12,0-1-8], [3:0-3-9,0-2-8], [4:0-3-9,0-2-8], [5:0-1-12,0-1-8], [6:0-3-0,0-1-4], [8:0-2-12,Edge], [10:0-3-0,0-2-12], [12:0-2-12,Edge]

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	0.72	Vert(LL)	-0.28	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.58	8-9	>577	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.37	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 141 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* T2: 2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-11-10, Right 2x8 SP 2400F 2.0E 3-11-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-4-2 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-12, 5-8

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

REACTIONS. (lb/size) 12=1423/0-5-9 (min. 0-1-14), 8=1509/0-5-8 (min. 0-2-0)
Max Horz 12=-217(LC 12)
Max Uplift8=-2(LC 14)

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

TOP CHORD	1-13=-488/50, 2-13=-341/74, 2-14=-2395/0, 3-14=-2246/18, 3-15=-2388/0, 15-16=-2388/0, 16-17=-2388/0, 17-18=-2388/0, 4-18=-2388/0, 4-19=-2244/0, 5-19=-2390/0, 5-20=-429/115, 6-20=-566/90, 1-12=-441/70, 6-8=-591/132
BOT CHORD	11-12=-22/1949, 10-11=0/1771, 9-10=0/1770, 8-9=0/1932
WEBS	3-11=-12/355, 3-10=0/1131, 4-10=0/1132, 4-9=-14/353, 2-12=-2264/13, 5-8=-2172/0

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-2-0, Exterior(2) 10-2-0 to 14-4-15, Interior(1) 14-4-15 to 18-2-0, Exterior(2) 18-2-0 to 22-4-15, Interior(1) 22-4-15 to 29-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 12, 8 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) 8.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S10	SCISSOR GIRDER	7	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:32:16 2021 Page 1

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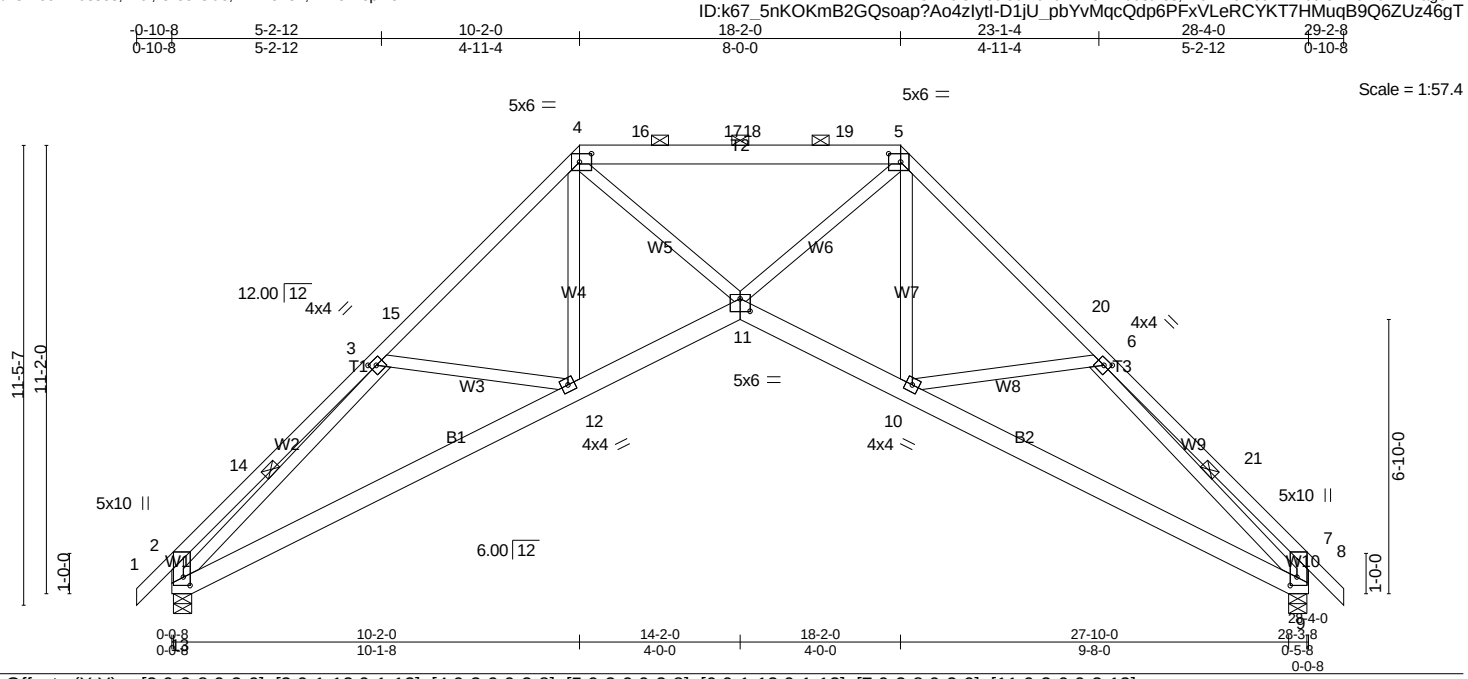

Plate Offsets (X,Y)-- [2:0-2-8,0-2-0], [3:0-1-12,0-1-12], [4:0-3-9,0-2-8], [5:0-3-9,0-2-8], [6:0-1-12,0-1-12], [7:0-2-8,0-2-0], [11:0-3-0,0-3-12]

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	0.72	Vert(LL)	-0.15	11	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.24	11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.31	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 161 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* T2: 2x6 SPF No.2
BOT CHORD	2x6 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x6 SPF No.2 3-10-0, Right 2x6 SPF No.2 3-10-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-12 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-10 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-13, 6-9

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

REACTIONS. (lb/size) 13=1508/0-5-8 (min. 0-2-0), 9=1508/0-5-8 (min. 0-2-0)
Max Horz 13=-221(LC 12)
Max Uplift13=-2(LC 14), 9=-2(LC 14)

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

TOP CHORD	2-14=-678/92, 3-14=-537/116, 3-15=-2411/0, 4-15=-2265/11, 4-16=-2436/0, 16-17=-2436/0, 17-18=-2436/0, 18-19=-2436/0, 5-19=-2436/0, 5-20=-2265/0, 6-20=-2411/0, 6-21=-527/119, 7-21=-678/94, 2-13=-669/133, 7-9=-669/135
BOT CHORD	12-13=-18/1979, 11-12=0/1787, 10-11=0/1787, 9-10=0/1979
WEBS	4-12=-8/358, 4-11=0/1166, 5-11=0/1166, 5-10=-10/358, 3-13=-2100/0, 6-9=-2100/0

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-2-0, Exterior(2) 10-2-0 to 14-4-15, Interior(1) 14-4-15 to 18-2-0, Exterior(2) 18-2-0 to 22-4-15, Interior(1) 22-4-15 to 29-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 13, 9 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) 13, 9.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S10G	GABLE	1	1	Job Reference (optional)

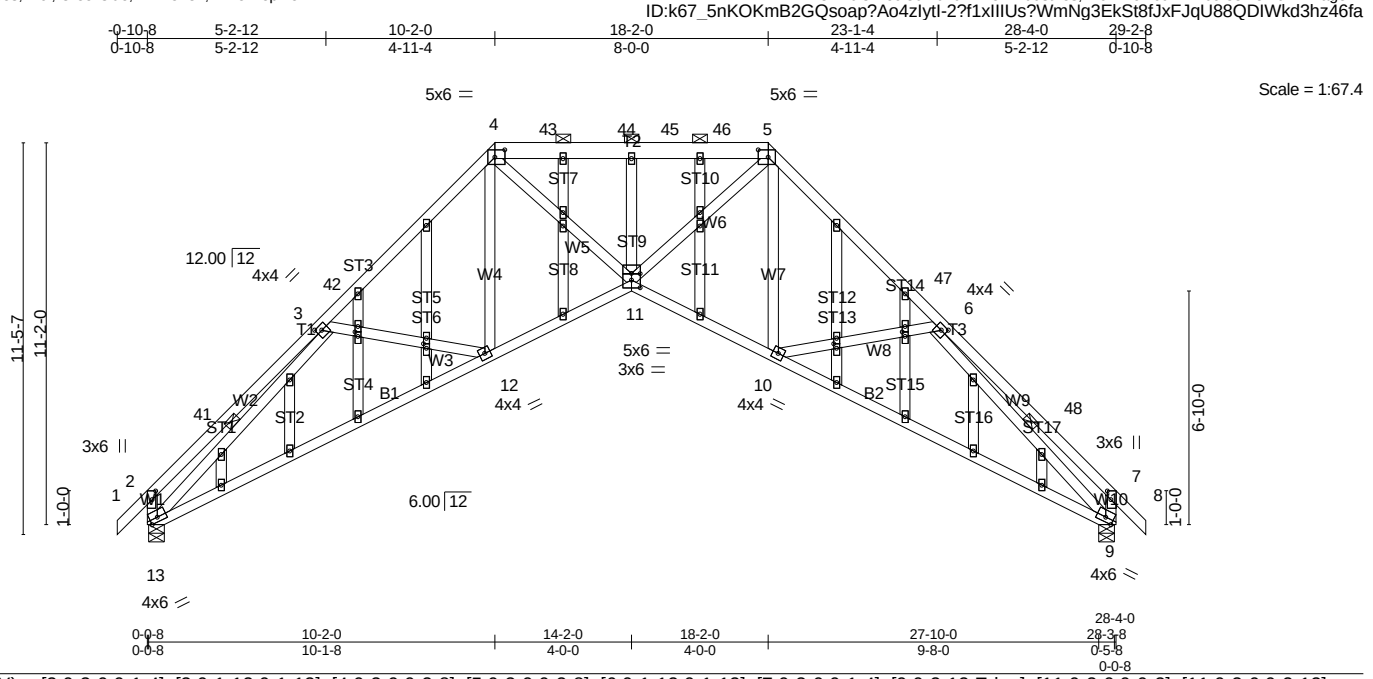

Plate Offsets (X,Y)-- [2:0-3-0,0-1-4], [3:0-1-12,0-1-12], [4:0-3-9,0-2-8], [5:0-3-9,0-2-8], [6:0-1-12,0-1-12], [7:0-3-0,0-1-4], [9:0-2-12,Edge], [11:0-3-0,0-0-2], [11:0-3-0,0-2-12], [13:0-2-12,Edge], [18:0-1-9,0-1-0], [21:0-1-9,0-1-0], [33:0-1-9,0-1-0], [36:0-1-9,0-1-0]

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	0.72	Vert(LL)	-0.28	9-10	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.58	9-10	>578	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.37	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 182 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except*
	T2: 2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-11-10, Right 2x8 SP 2400F 2.0E 3-11-10

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-4-5 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-13, 6-9

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

REACTIONS. (lb/size) 13=1508/0-5-8 (min. 0-2-0), 9=1508/0-5-8 (min. 0-2-0)
Max Horz 13=-223(LC 12)
Max Uplift13=-2(LC 14), 9=-2(LC 14)

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

TOP CHORD	2-41=-566/88, 3-41=-442/113, 3-42=-2386/0, 4-42=-2241/18, 4-43=-2383/0, 43-44=-2383/0, 44-45=-2383/0, 45-46=-2383/0, 5-46=-2383/0, 5-47=-2241/0, 6-47=-2386/0, 6-48=-428/115, 7-48=-566/90, 2-13=-591/130, 7-9=-591/132
BOT CHORD	12-13=-23/1930, 11-12=0/1767, 10-11=0/1767, 9-10=0/1930
WEBS	4-12=-12/353, 4-11=0/1129, 5-11=0/1129, 5-10=-14/353, 3-13=-2169/0, 6-9=-2169/0

NOTES- (15)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-2-0, Exterior(2) 10-2-0 to 14-4-15, Interior(1) 14-4-15 to 18-2-0, Exterior(2) 18-2-0 to 22-4-15, Interior(1) 22-4-15 to 29-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Bearing at joint(s) 13, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 9.

Continued on page 2

NOTES- (15)

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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S11	SCISSORS	8	1	Job Reference (optional)

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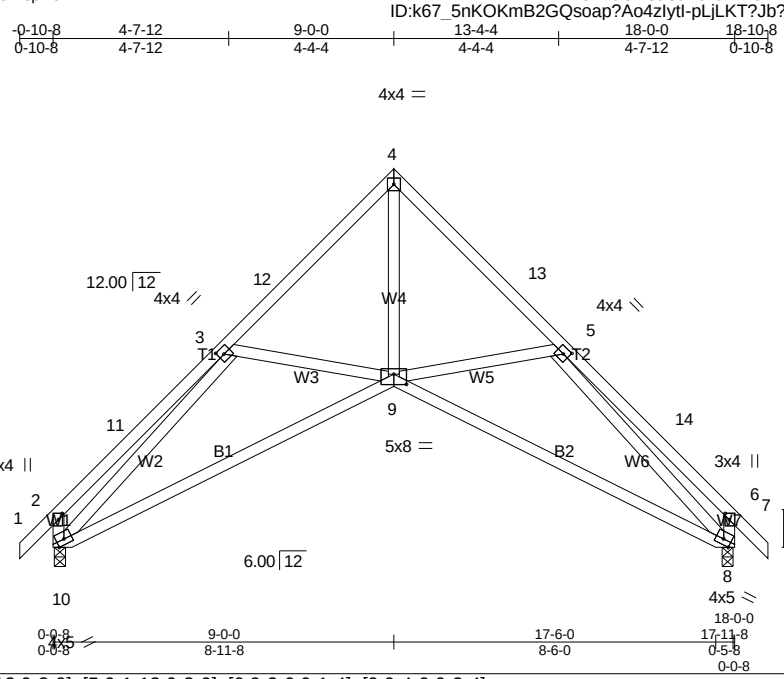

Plate Offsets (X,Y)-- [2:0-2-0,0-1-4], [3:0-1-12,0-2-0], [5:0-1-12,0-2-0], [6:0-2-0,0-1-4], [9:0-4-0,0-3-4]

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	0.27	Vert(LL)	-0.21	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.43	8-9	>494	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.14	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 88 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
SLIDER Left 2x8 SP 2400F 2.0E 3-6-11, Right 2x8 SP 2400F 2.0E 3-6-11

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-0 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) 10=983/0-3-8 (min. 0-1-8), 8=983/0-3-8 (min. 0-1-8)
Max Horz 10=198(LC 13)
Max Uplift10=-10(LC 14), 8=-10(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-411/67, 3-11=-312/87, 3-12=-1215/0, 4-12=-1077/0, 4-13=-1077/0, 5-13=-1215/0, 5-14=-305/89, 6-14=-409/69, 2-10=-462/111, 6-8=-462/112
BOT CHORD 9-10=-27/1129, 8-9=0/1084
WEBS 4-9=0/1174, 3-10=-1161/0, 5-8=-1161/0

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 18-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 10, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 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.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S11G	GABLE	1	1	Job Reference (optional)

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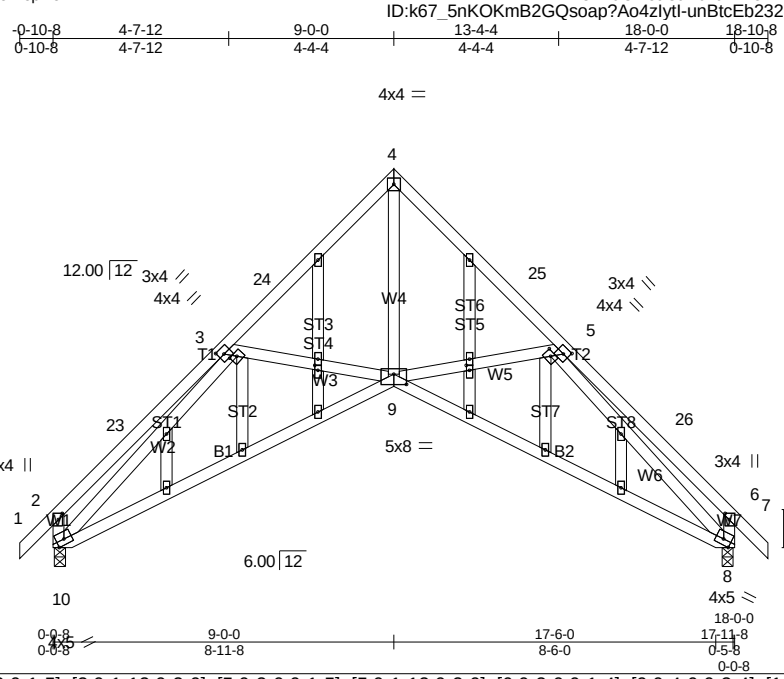


Plate Offsets (X,Y)-- [2:0-2-0,0-1-4], [3:0-2-0,0-1-5], [3:0-1-12,0-2-0], [5:0-2-0,0-1-5], [5:0-1-12,0-2-0], [6:0-2-0,0-1-4], [9:0-4-0,0-3-4], [11:0-1-9,0-1-0], [19:0-1-9,0-1-0]

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	0.27	Vert(LL)	-0.21	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.43	8-9	>494	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.14	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 107 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 3-6-11, Right 2x8 SP 2400F 2.0E 3-6-11

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-1-0 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) 10=983/0-3-8 (min. 0-1-8), 8=983/0-3-8 (min. 0-1-8)
Max Horz 10=198(LC 13)
Max Uplift10=-10(LC 14), 8=-10(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-411/67, 3-23=-312/87, 3-24=-1215/0, 4-24=-1077/0, 4-25=-1077/0, 5-25=-1215/0, 5-26=-305/89, 6-26=-409/69, 2-10=-462/111, 6-8=-462/112
BOT CHORD 9-10=-27/1129, 8-9=0/1084
WEBS 4-9=0/1174, 3-10=-1161/0, 5-8=-1161/0

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 18-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) 10, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 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.
13) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

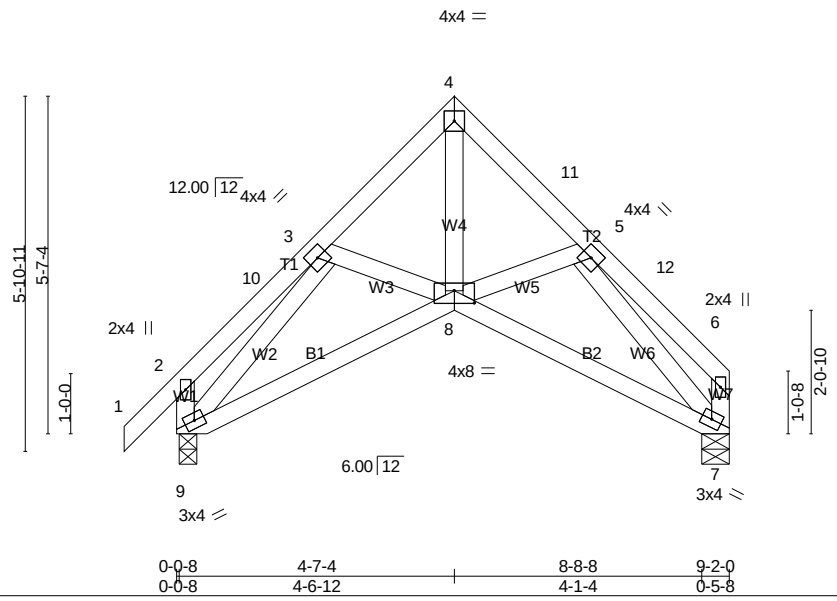
Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S12	SCISSORS	2	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:36:40 2021 Page 1

ID:k67_5nKOKmB2GQsoap?Ao4zIytI-UqfIO4o8kT495B_rsigP1JNTjlfR8sOhuDN4qBz46cL

0-10-8	2-5-6	4-7-4	6-9-2	9-2-0
0-10-8	2-5-6	2-1-14	2-1-14	2-4-14

Scale = 1:38.2



0-0-8	4-7-4	8-8-8	9-2-0
0-0-8	4-6-12	4-1-4	0-5-8

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

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	0.10	Vert(LL)	-0.02	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.03	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S							Weight: 47 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x8 SP 2400F 2.0E 2-2-9

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) 9=539/0-3-8 (min. 0-1-8), 7=446/0-5-8 (min. 0-1-8)
Max Horz 9=114(LC 13)
Max Uplift9=-16(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-517/62, 4-11=-453/69, 5-11=-519/51
BOT CHORD 8-9=-58/431, 7-8=-50/410
WEBS 4-8=-44/449, 3-9=-529/6, 5-7=-530/51

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-3-9, Interior(1) 2-3-9 to 4-7-4, Exterior(2) 4-7-4 to 7-7-4, Interior(1) 7-7-4 to 9-0-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 9, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	S12G	GABLE	2	1	Job Reference (optional)

ID:k67_5nKOKmB2GQsoap?Ao4zIytI-vxPH9kEL1rlv1tJyXzq516PoNgH5JbY7PUrXdYz46bm

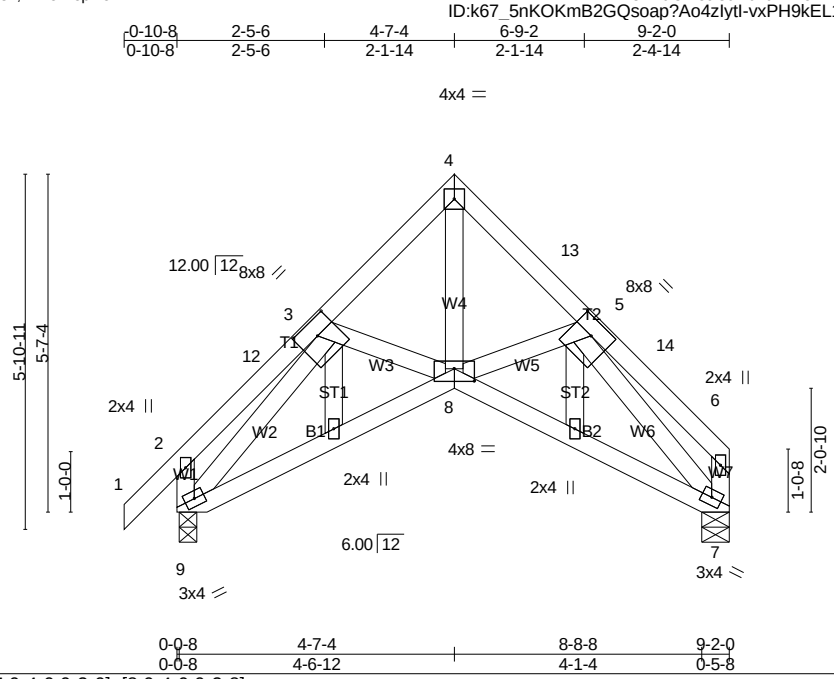


Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [8:0-4-0,0-2-8]

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	0.10	Vert(LL)	-0.02	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.03	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 50 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

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

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

REACTIONS. (lb/size) 9=539/0-3-8 (min. 0-1-8), 7=446/0-5-8 (min. 0-1-8)
Max Horz 9=114(LC 13)
Max Uplift9=-16(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-517/62, 4-13=-453/69, 5-13=-519/51
BOT CHORD 8-9=-58/431, 7-8=-50/410
WEBS 4-8=-44/449, 3-9=-529/6, 5-7=-530/51

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-3-9, Interior(1) 2-3-9 to 4-7-4, Exterior(2) 4-7-4 to 7-7-4, Interior(1) 7-7-4 to 9-0-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 9, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T01	Attic	13	1	Job Reference (optional)

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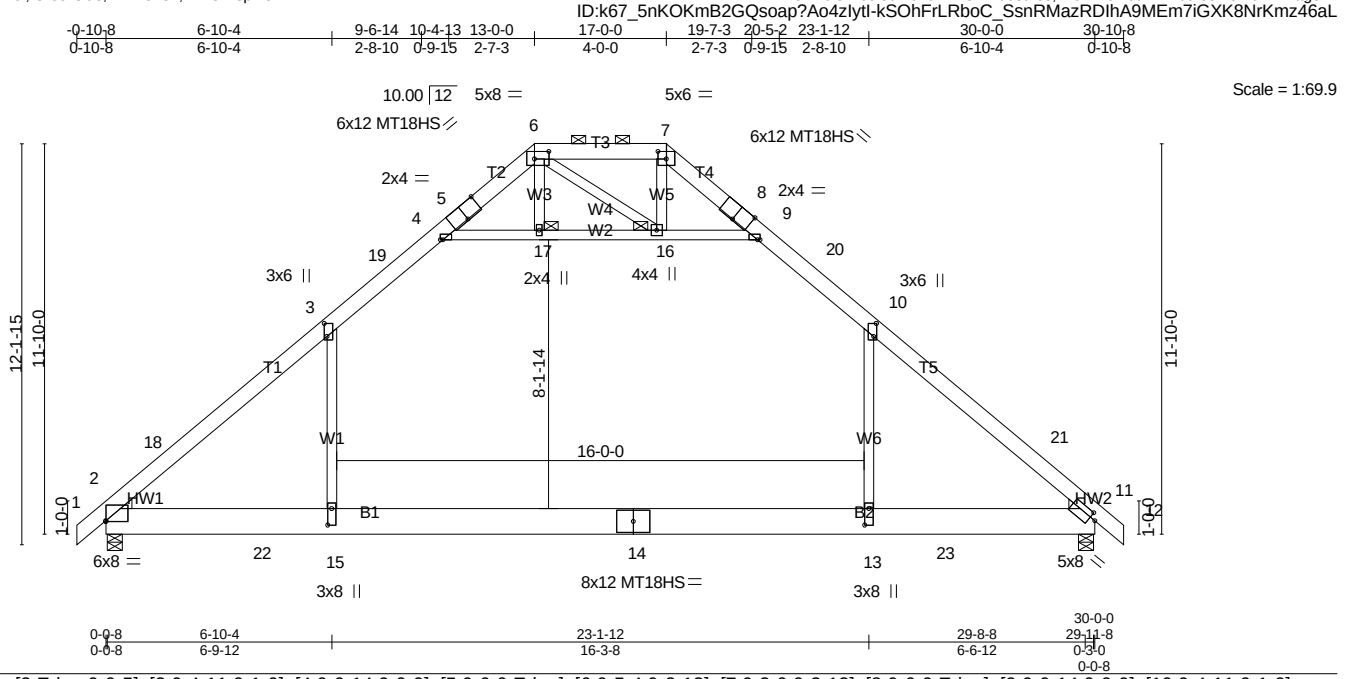

Plate Offsets (X,Y)-- [2:Edge,0-0-5], [3:0-4-11,0-1-0], [4:0-0-14,0-0-0], [5:0-6-0,Edge], [6:0-5-4,0-2-12], [7:0-3-0,0-2-12], [8:0-6-0,Edge], [9:0-0-14,0-0-0], [10:0-4-11,0-1-0], [11:0-2-1,0-2-0], [13:0-6-0,0-1-8], [15:0-6-0,0-1-8]

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	0.82	Vert(LL)	-0.71	13-15	>501	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.97	13-15	>364	180	MT18HS	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S		Attic	-0.38	13-15	516	360	Weight: 245 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP 2400F 1.8E *Except*
T3: 2x6 SPF No.2
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SPF No.2
WEDGE
Left: 2x4 SPF No.2 , Right: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-3 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16, 17

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

REACTIONS. (lb/size) 2=1672/0-5-8 (min. 0-1-11), 11=1672/0-5-8 (min. 0-1-11)
Max Horz 2=200(LC 13)
Max Grav 2=2018(LC 21), 11=2018(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2694/0, 3-18=-2428/0, 3-19=-1702/68, 4-19=-1560/102, 4-5=-343/290, 5-6=-305/320, 6-7=-125/513, 7-8=-299/330, 8-9=-337/300, 9-20=-1560/102, 10-20=-1702/68, 10-21=-2428/0, 11-21=-2693/0
BOT CHORD 2-22=0/1744, 15-22=0/1744, 14-15=0/1744, 13-14=0/1744, 13-23=0/1744, 11-23=0/1744
WEBS 3-15=0/1215, 4-17=-2018/81, 16-17=-2014/82, 9-16=-2031/82, 10-13=0/1214

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-0-0, Exterior(2) 13-0-0 to 21-2-15, Interior(1) 21-2-15 to 30-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 9-10, 4-17, 16-17, 9-16
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 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.
14) CUSTOMER SIGNATURE:_____

Continued on page 2

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T02	Attic	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:39:58 2021 Page 1

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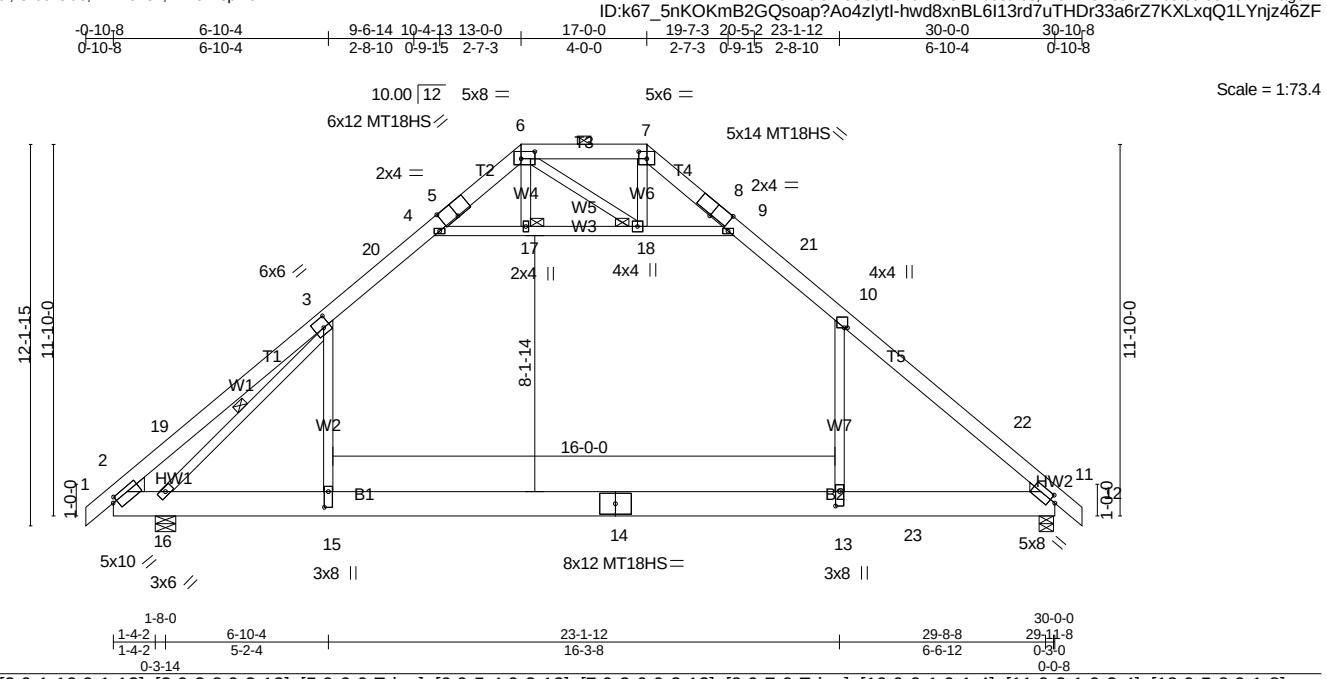

Plate Offsets (X,Y)-- [2:0-1-10,0-1-12], [3:0-2-8,0-3-12], [5:0-6-0,Edge], [6:0-5-4,0-2-12], [7:0-3-0,0-2-12], [8:0-7-0,Edge], [10:0-0-1,0-1-4], [11:0-2-1,0-2-4], [13:0-5-8,0-1-8], [15:0-6-0,0-1-8]

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	0.92	Vert(LL)	-0.65	13-15	>522	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.89	13-15	>383	180	MT18HS	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.02	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S		Attic	-0.37	13-15	524	360	Weight: 251 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD 2x6 SPF No.2 *Except* T1,T5: 2x6 SP 2400F 1.8E
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SPF No.2
WEDGE
Left: 2x6 SPF No.2 , Right: 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-16
JOINTS 1 Brace at Jt(s): 17, 18

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

REACTIONS. (lb/size) 16=1750/0-7-12 (min. 0-1-11), 11=1599/0-5-8 (min. 0-1-9)
Max Horz 16=-200(LC 12)
Max Grav 16=2037(LC 21), 11=1922(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-990/0, 3-19=-720/35, 3-20=-1566/66, 4-20=-1425/99, 4-5=-399/224, 5-6=-361/254, 6-7=-181/409, 7-8=-343/259, 8-9=-381/229, 9-21=-1403/101, 10-21=-1545/68, 10-22=-2148/0, 11-22=-2414/0
BOT CHORD 2-16=0/472, 15-16=0/1551, 14-15=0/1551, 13-14=0/1551, 13-23=0/1551, 11-23=0/1551
WEBS 3-15=0/1186, 4-17=-1734/76, 17-18=-1730/77, 9-18=-1706/81, 10-13=-1/1067, 3-16=-1626/0

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-0-0, Exterior(2) 13-0-0 to 21-2-15, Interior(1) 21-2-15 to 30-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 9-10, 4-17, 17-18, 9-18
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T02	Attic	1	1	Job Reference (optional)

NOTES- (14)
13) Attic room checked for L/360 deflection.
14) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T03	Attic	1	1	Job Reference (optional)

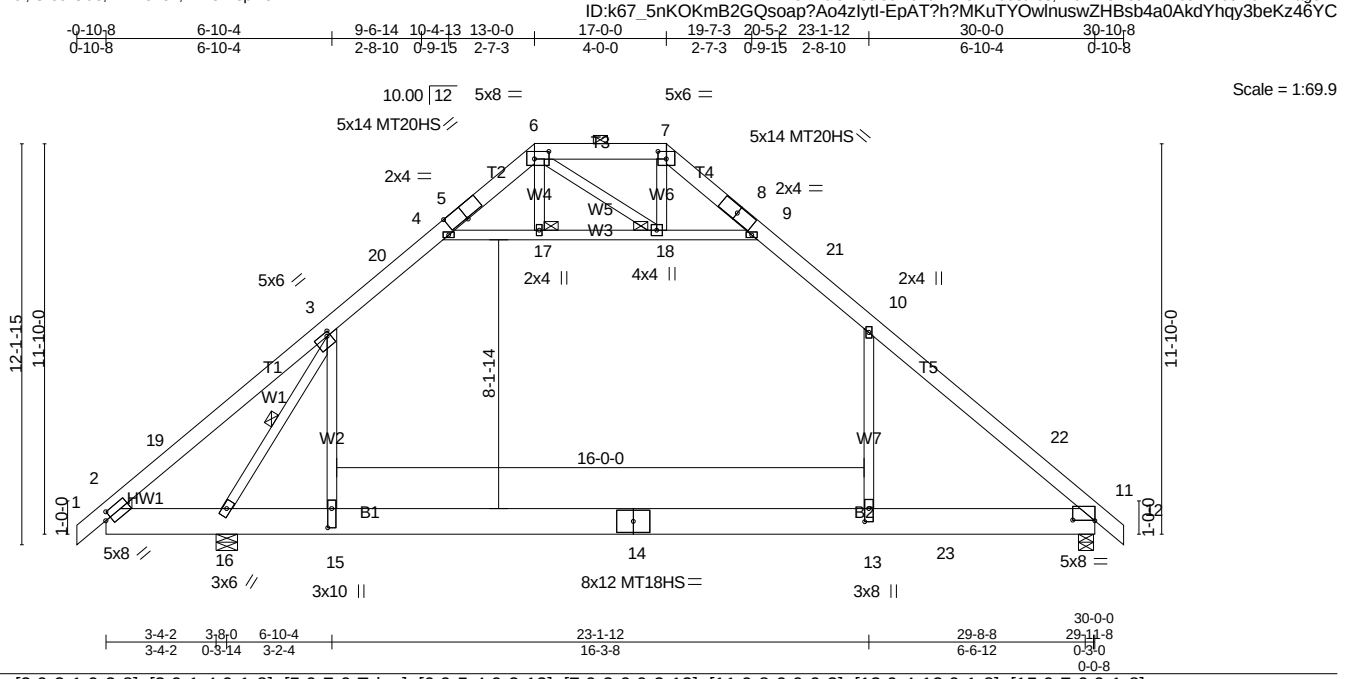

Plate Offsets (X,Y)-- [2:0-2-1,0-2-8], [3:0-1-4,0-1-8], [5:0-7-0,Edge], [6:0-5-4,0-2-12], [7:0-3-0,0-2-12], [11:0-8-0,0-0-3], [13:0-4-12,0-1-8], [15:0-7-0,0-1-8]

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	0.79	Vert(LL)	-0.58	13-15	>541	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.79	13-15	>399	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	11	n/a	n/a	MT18HS	244/190
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S		Attic	-0.36	13-15	546	360	Weight: 248 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except* T1,T5: 2x6 SP 2400F 1.8E
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SPF No.2
WEDGE
Left: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-12 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-16.
WEBS 1 Row at midpt 3-16
JOINTS 1 Brace at Jt(s): 17, 18

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

REACTIONS. (lb/size) 16=1885/0-7-12 (min. 0-1-13), 11=1464/0-5-8 (min. 0-1-8)
Max Horz 16=200(LC 13)
Max Uplift16=-1(LC 14)
Max Grav 16=2179(LC 24), 11=1767(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-19=-92/362, 3-20=-1369/57, 4-20=-1227/90, 4-5=-487/146, 5-6=-448/177, 6-7=-286/287, 7-8=-447/176, 8-9=-486/145, 9-21=-1176/95, 10-21=-1318/61, 10-22=-1735/0, 11-22=-2001/0
BOT CHORD 15-16=0/1272, 14-15=0/1272, 13-14=0/1272, 13-23=0/1272, 11-23=0/1272
WEBS 3-15=0/1656, 4-17=-1330/57, 17-18=-1327/58, 9-18=-1271/68, 10-13=-145/866, 3-16=-2782/16

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-0-0, Exterior(2) 13-0-0 to 21-2-15, Interior(1) 21-2-15 to 30-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 9-10, 4-17, 17-18, 9-18
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.

Continued on page 2

NOTES- (15)

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) Attic room checked for L/360 deflection.
15) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T04	Piggyback Base	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:46:58 2021 Page 1

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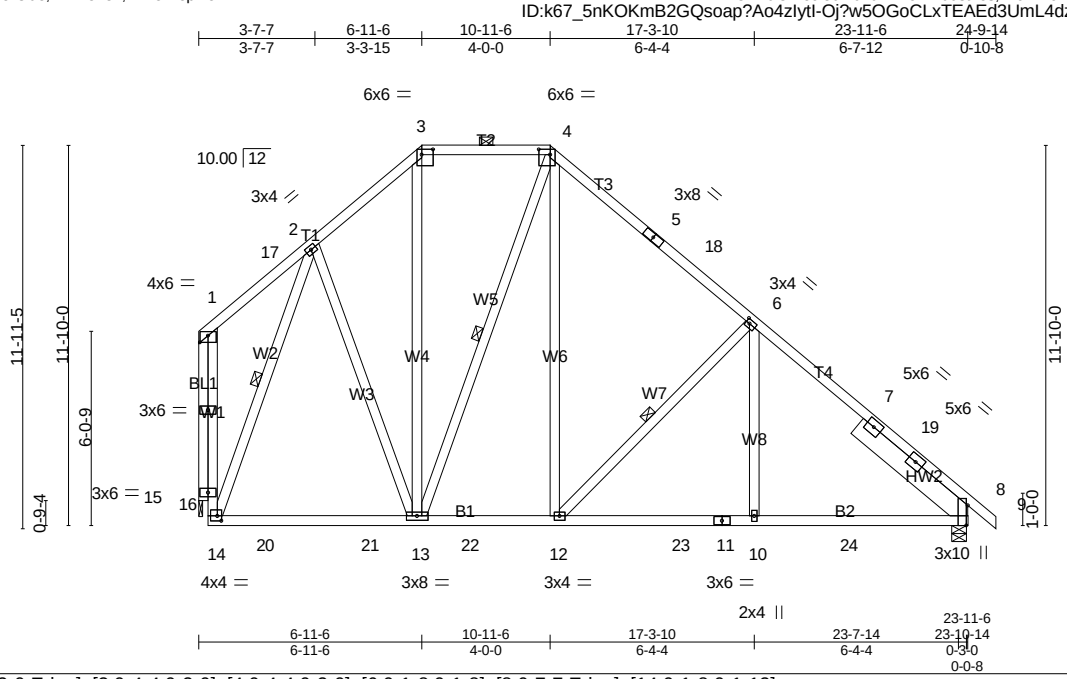

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [3:0-4-4,0-2-0], [4:0-4-4,0-2-0], [6:0-1-8,0-1-8], [8:0-7-7,Edge], [14:0-1-8,0-1-12]

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	0.59	Vert(LL)	-0.07	13-14	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.13	13-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 165 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Right 2x8 SP 2400F 2.0E 4-5-5

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-9-2 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.
WEBS	1 Row at midpt 4-13, 6-12, 2-14

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

REACTIONS. (lb/size) 8=1286/0-5-8 (min. 0-2-0), 16=1174/0-1-8 (min. 0-1-8)
Max Horz 16=-157(LC 10)
Max Grav 8=1286(LC 1), 16=1192(LC 21)

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

TOP CHORD	2-3=-775/158, 3-4=-528/141, 4-5=-850/140, 5-18=-861/115, 6-18=-1016/96, 6-7=-1340/49, 7-19=-1419/17, 8-19=-1490/12, 14-15=0/1021, 1-15=0/1021
BOT CHORD	14-20=0/500, 20-21=0/500, 13-21=0/500, 13-22=0/687, 12-22=0/687, 12-23=0/1010, 11-23=0/1010, 10-11=0/1010, 10-24=0/1010, 8-24=0/1010
WEBS	2-13=0/370, 4-13=-406/40, 4-12=-21/547, 6-12=-575/114, 6-10=0/322, 2-14=-984/34, 1-16=-1195/56

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 3-6-13, Interior(1) 3-6-13 to 6-11-6, Exterior(2) 6-11-6 to 15-2-4, Interior(1) 15-2-4 to 24-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 16 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 at joint(s) 16.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T05	Piggyback Base	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:48:52 2021 Page 1

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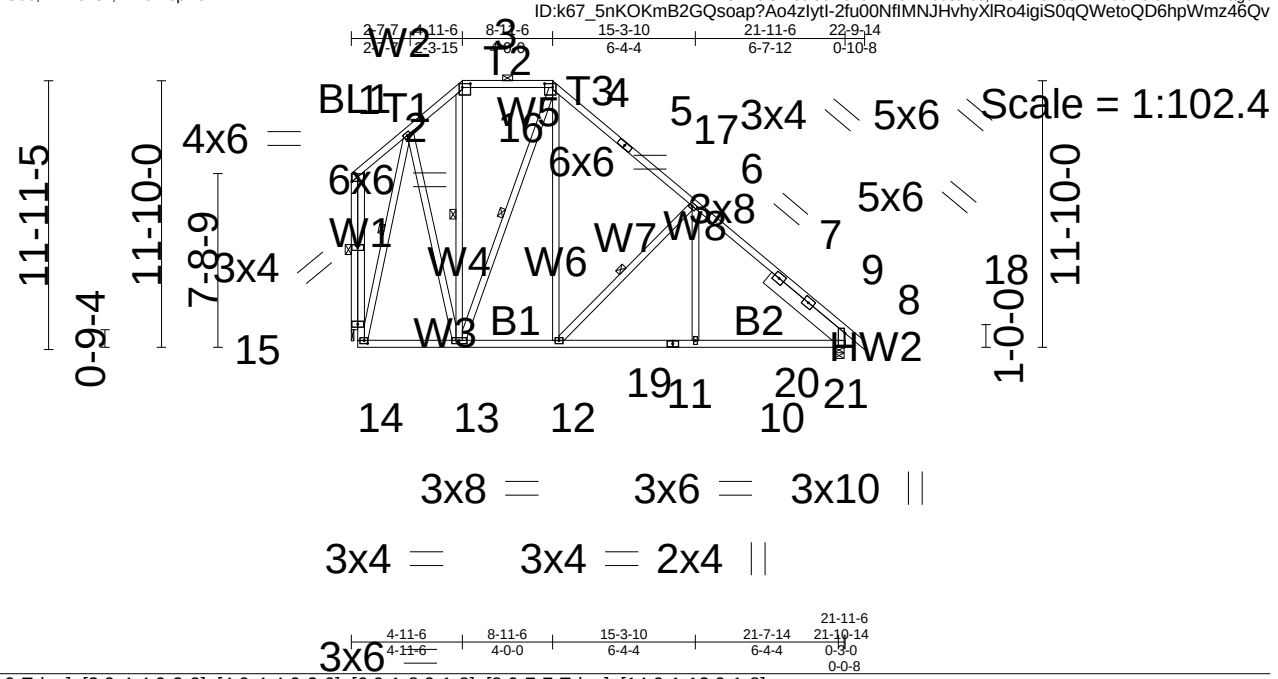

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [3:0-4-4,0-2-0], [4:0-4-4,0-2-0], [6:0-1-8,0-1-8], [8:0-7-7,Edge], [14:0-1-12,0-1-8]

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	0.54	Vert(LL)	-0.05	8-10	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.10	8-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	8	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S							Weight: 165 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Right 2x8 SP 2400F 2.0E 4-5-5

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-3-2 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.
WEBS	1 Row at midpt 3-13, 4-13, 6-12, 2-14, 1-15

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

REACTIONS. (lb/size) 8=1184/0-5-8 (min. 0-1-14), 15=1072/0-1-8 (min. 0-1-8)
Max Horz 15=-177(LC 14)
Max Uplift15=-10(LC 14)

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

TOP CHORD	2-16=-533/124, 3-16=-479/136, 3-4=-366/119, 4-5=-693/118, 5-17=-704/94, 6-17=-868/74, 6-7=-1097/29, 7-18=-1262/0, 8-18=-1333/0, 1-14=-33/926
BOT CHORD	13-14=-26/343, 13-19=0/563, 12-19=0/563, 12-20=0/893, 11-20=0/893, 10-11=0/893, 10-21=0/893, 8-21=0/893
WEBS	2-13=-4/500, 4-13=-536/53, 4-12=-19/580, 6-12=-584/116, 6-10=0/318, 2-14=-884/82, 1-15=-1074/70

NOTES- (13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 4-11-6, Exterior(2) 4-11-6 to 13-2-4, Interior(1) 13-2-4 to 22-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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) CUSTOMER SIGNATURE:_____

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T05	Piggyback Base	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T06	Piggyback Base	1	1	Job Reference (optional)

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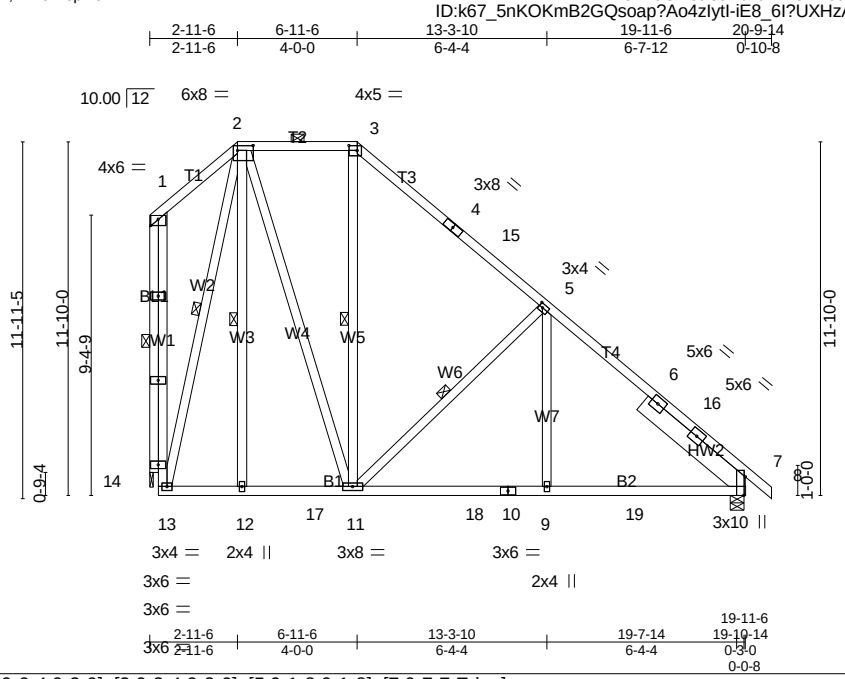

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Plate Offsets (X,Y)-- [1:0-3-0,Edge], [2:0-6-4,0-2-0], [3:0-3-4,0-2-0], [5:0-1-8,0-1-8], [7:0-7-7,Edge]

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	0.54	Vert(LL)	-0.04	7-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.09	7-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 155 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Right 2x8 SP 2400F 2.0E 4-5-5

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-8-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-12, 3-11, 5-11, 2-13, 1-14

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

REACTIONS. (lb/size) 7=1083/0-5-8 (min. 0-1-11), 14=971/0-1-8 (min. 0-1-8)
Max Horz 14=-215(LC 14)
Max Uplift14=-29(LC 14)
Max Grav 7=1083(LC 1), 14=974(LC 21)

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

TOP CHORD	2-3=-417/111, 3-4=-527/82, 4-15=-543/58, 5-15=-707/38, 5-6=-951/0, 6-16=-1116/0, 7-16=-1187/0, 1-13=-41/866
BOT CHORD	12-13=-88/292, 12-17=-79/280, 11-17=-79/280, 11-18=0/784, 10-18=0/784, 9-10=0/784, 9-19=0/784, 7-19=0/784
WEBS	2-11=-70/620, 5-11=-602/118, 5-9=0/328, 2-13=-832/105, 1-14=-975/90

NOTES- (13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 11-2-4, Interior(1) 11-2-4 to 20-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 14 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 at joint(s) 14.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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) CUSTOMER SIGNATURE:_____

Continued on page 2

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T07	Piggyback Base	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:50:33 2021 Page 1

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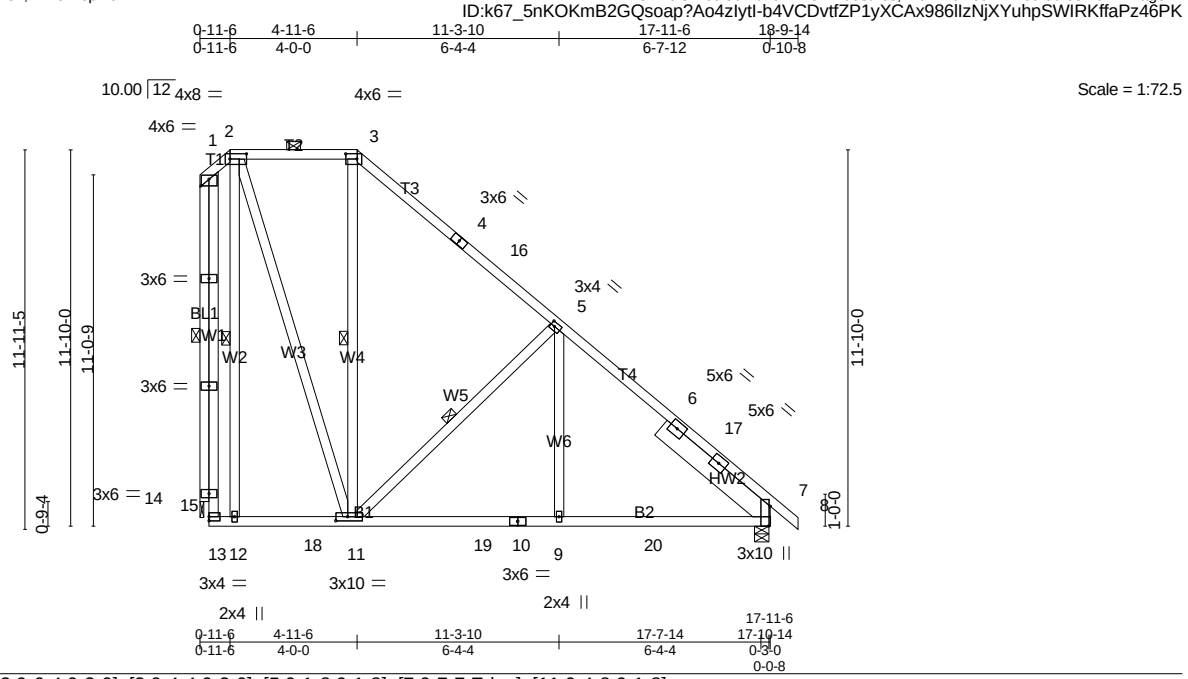

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [2:0-6-4,0-2-0], [3:0-4-4,0-2-0], [5:0-1-8,0-1-8], [7:0-7-7,Edge], [11:0-4-8,0-1-8]

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	0.54	Vert(LL)	-0.05	11-12	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.10	7-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 141 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Right 2x8 SP 2400F 2.0E 4-5-5

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.): 2-3.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-12, 3-11, 5-11, 1-15

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

REACTIONS. (lb/size) 7=981/0-5-8 (min. 0-1-9), 15=869/0-1-8 (min. 0-1-8)
Max Horz 15=-241(LC 14)
Max Uplift15=-56(LC 14)
Max Grav 7=981(LC 1), 15=912(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-428/136, 2-3=-308/72, 3-4=-383/33, 4-16=-397/8, 5-16=-561/0, 5-6=-808/0, 6-17=-973/0, 7-17=-1044/0, 13-14=0/364, 1-14=0/364
BOT CHORD 12-13=-223/263, 12-18=-224/263, 11-18=-224/263, 11-19=0/677, 10-19=0/677, 9-10=0/677, 9-20=0/677, 7-20=0/677
WEBS 2-12=-367/0, 2-11=-136/812, 5-11=-606/119, 5-9=0/326, 1-15=-912/116

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 9-2-4, Interior(1) 9-2-4 to 18-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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) CUSTOMER SIGNATURE:_____

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T07	Piggyback Base	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T08	Common	1	1	Job Reference (optional)

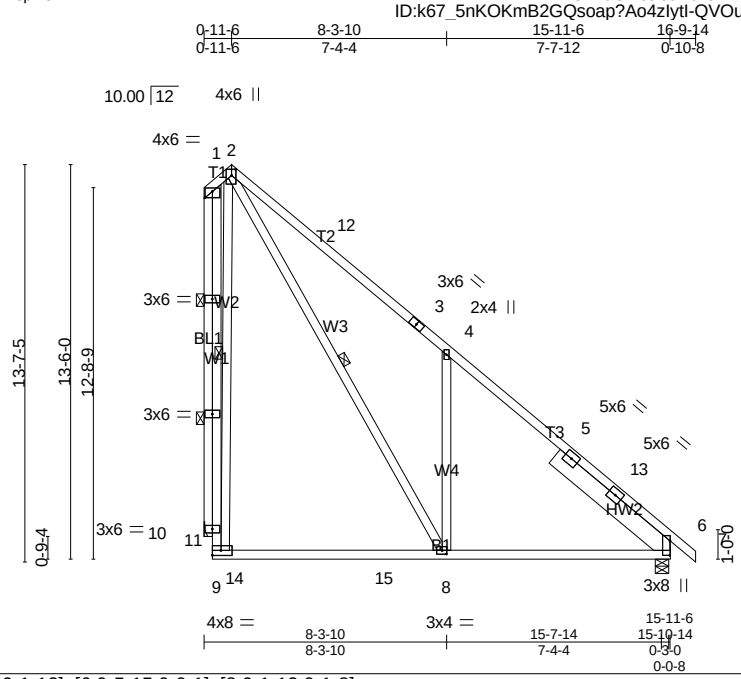

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [2:0-2-8,0-1-12], [6:0-5-15,0-0-1], [8:0-1-12,0-1-8]

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	0.81	Vert(LL)	-0.22	8-9	>853	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.32	8-9	>590	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.04	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 126 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2
SLIDER	Right 2x8 SP 2400F 2.0E 5-1-2

BRACING-

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

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

REACTIONS. (lb/size) 6=880/0-5-8 (min. 0-1-8), 11=767/Mechanical
Max Horz 11=-279(LC 14)
Max Uplift11=-93(LC 14)
Max Grav 6=880(LC 1), 11=852(LC 21)

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

TOP CHORD	2-12=-701/117, 3-12=-710/93, 3-4=-907/66, 4-5=-690/0, 5-13=-755/0, 6-13=-861/0, 1-10=-153/879
BOT CHORD	9-14=-249/297, 14-15=-249/297, 8-15=-249/297, 6-8=0/530
WEBS	2-8=-211/1014, 4-8=-657/269, 2-10=-776/206, 1-11=-852/133

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 3-11-6, Interior(1) 3-11-6 to 16-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
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 30.8 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
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) 11.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T09	COMMON	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:57:53 2021 Page 1

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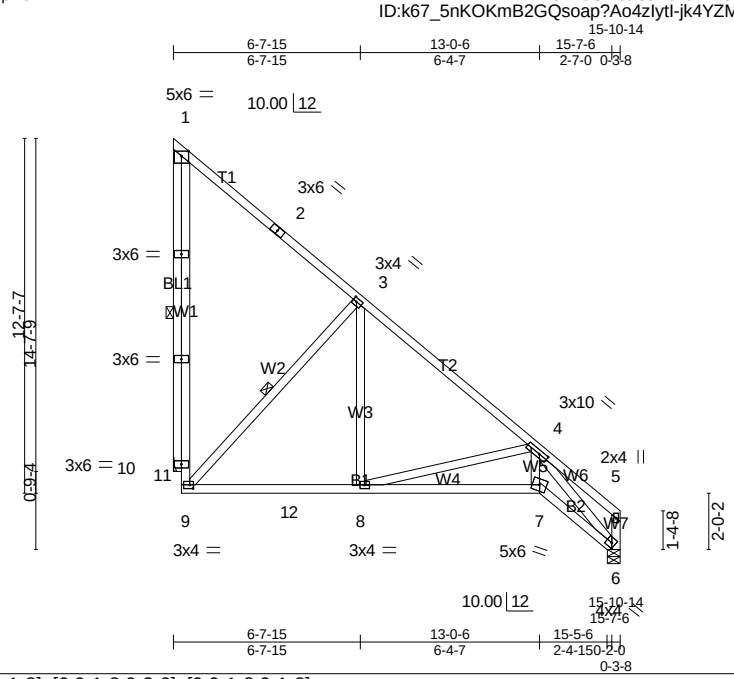

Plate Offsets (X,Y)-- [3:0-1-8,0-1-8], [4:0-3-12,0-1-8], [6:0-1-8,0-2-0], [9:0-1-8,0-1-8]

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	0.61	Vert(LL)	-0.08	7-8	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.16	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.12	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 101 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-9, 1-11

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

REACTIONS. (lb/size) 6=797/0-5-8 (min. 0-1-8), 11=760/Mechanical
Max Horz 11=-300(LC 14)
Max Uplift11=-77(LC 14)
Max Grav 6=797(LC 1), 11=773(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-35/602, 1-10=-35/602, 3-4=-813/0
BOT CHORD 9-12=0/517, 8-12=0/517, 7-8=0/1291, 6-7=0/1796
WEBS 3-9=-736/110, 3-8=0/404, 4-8=-798/67, 4-7=0/1178, 4-6=-2169/0, 1-11=-774/114

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 15-9-2 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T10	Common	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:57:18 2021 Page 1

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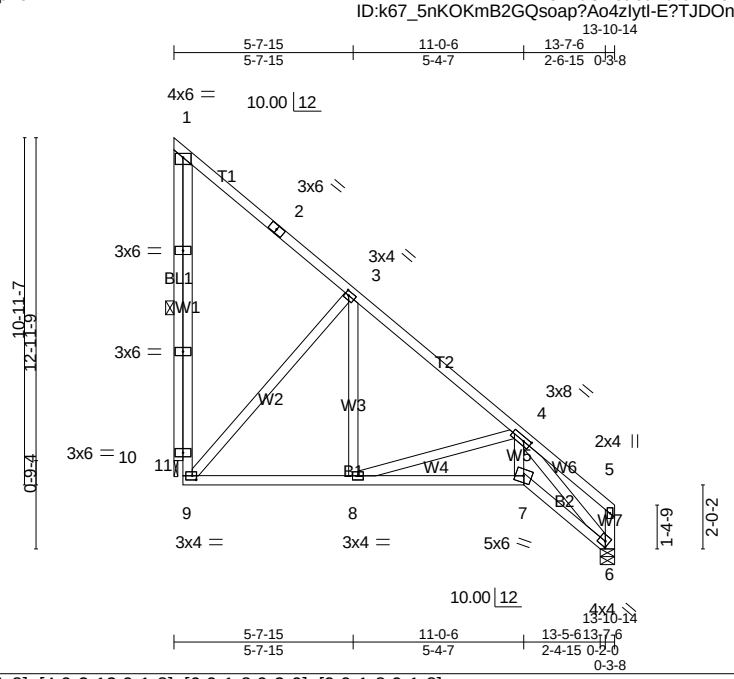

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [3:0-1-8,0-1-8], [4:0-2-12,0-1-8], [6:0-1-8,0-2-0], [9:0-1-8,0-1-8]

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	0.42	Vert(LL)	-0.06	7-8	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.11	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 88 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

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

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

REACTIONS. (lb/size) 6=695/0-5-8 (min. 0-1-8), 11=658/0-1-8 (min. 0-1-8)
Max Horz 11=-263(LC 14)
Max Uplift11=-62(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-34/507, 1-10=-34/507, 3-4=-691/0
BOT CHORD 8-9=0/441, 7-8=0/1069, 6-7=0/1488
WEBS 3-9=-618/101, 3-8=0/353, 4-8=-655/64, 4-7=0/979, 4-6=-1781/0, 1-11=-659/99

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 13-9-2 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 6, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	T11	Common	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:05 2021 Page 1

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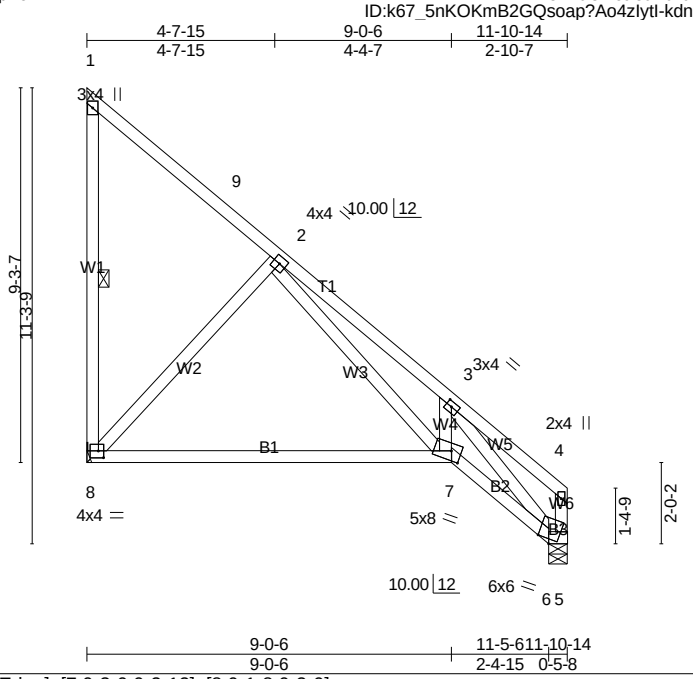

Plate Offsets (X,Y)-- [3:0-1-12,0-1-8], [6:0-3-14,Edge], [7:0-3-0,0-2-12], [8:0-1-8,0-2-0]

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	0.40	Vert(LL)	-0.25	7-8	>544	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.51	7-8	>266	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.07	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 64 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-3-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 1-8

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

REACTIONS. (lb/size) 8=564/Mechanical, 6=967/0-5-8 (min. 0-1-8), 5=-351/0-5-8 (min. 0-1-8)
Max Horz 8=-271(LC 10)
Max Uplift8=-49(LC 10), 5=-351(LC 1)

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

TOP CHORD	2-3=-1100/169
BOT CHORD	7-8=-117/352, 6-7=-10/1057
WEBS	2-8=-445/126, 2-7=-91/717, 3-7=-82/336, 3-6=-1433/2

NOTES- (8)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-9-2 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 5=351.
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.
8) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T12	Common	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:59:13 2021 Page 1

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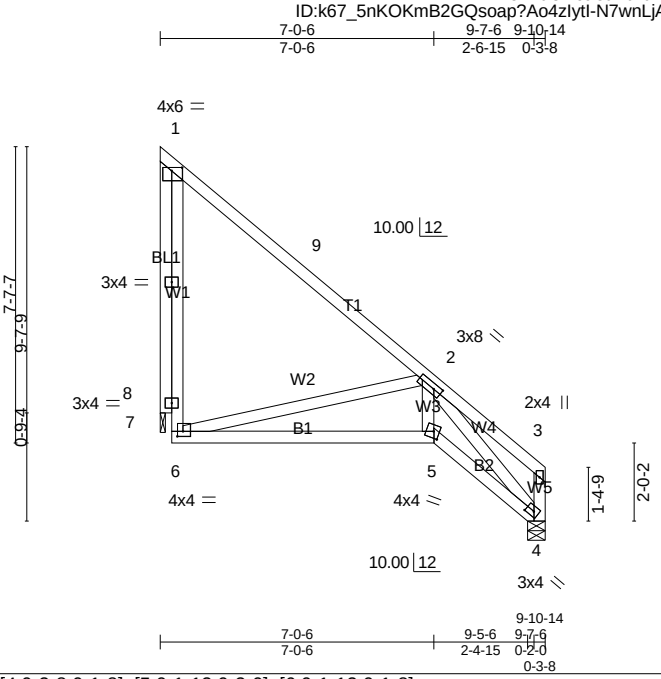

Plate Offsets (X,Y)-- [1:0-3-4,0-1-0], [2:0-2-8,0-1-8], [4:0-2-8,0-1-8], [5:0-1-12,0-2-0], [6:0-1-12,0-1-8]

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	0.59	Vert(LL)	-0.08	5-6	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.17	5-6	>701	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.07	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 56 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

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

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

REACTIONS. (lb/size) 4=492/0-5-8 (min. 0-1-8), 8=455/0-1-8 (min. 0-1-8)
Max Horz 8=-188(LC 14)
Max Uplift8=-32(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=0/252, 1-7=0/252
BOT CHORD 5-6=0/807, 4-5=0/1140
WEBS 2-6=-777/146, 2-5=0/787, 2-4=-1391/0, 1-8=-457/69

NOTES- (9)
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 9-9-2 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 4, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T13	Common	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:00:28 2021 Page 1

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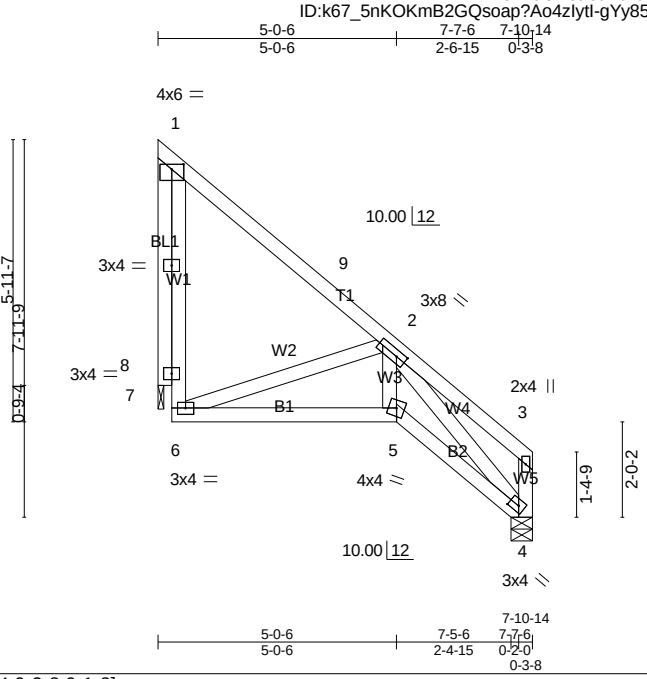

Plate Offsets (X,Y)-- [1:0-3-0,0-1-4], [2:0-2-8,0-1-8], [4:0-2-8,0-1-8]

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	0.22	Vert(LL)	-0.03	5-6	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.07	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.05	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 45 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

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

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

REACTIONS. (lb/size) 4=390/0-5-8 (min. 0-1-8), 8=354/0-1-8 (min. 0-1-8)
Max Horz 8=-150(LC 14)
Max Uplift8=-17(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 5-6=0/521, 4-5=0/745
WEBS 2-6=-504/96, 2-5=0/535, 2-4=-933/0, 1-8=-356/54

NOTES- (9)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 7-9-2 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 4, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T14	Common	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:01:11 2021 Page 1

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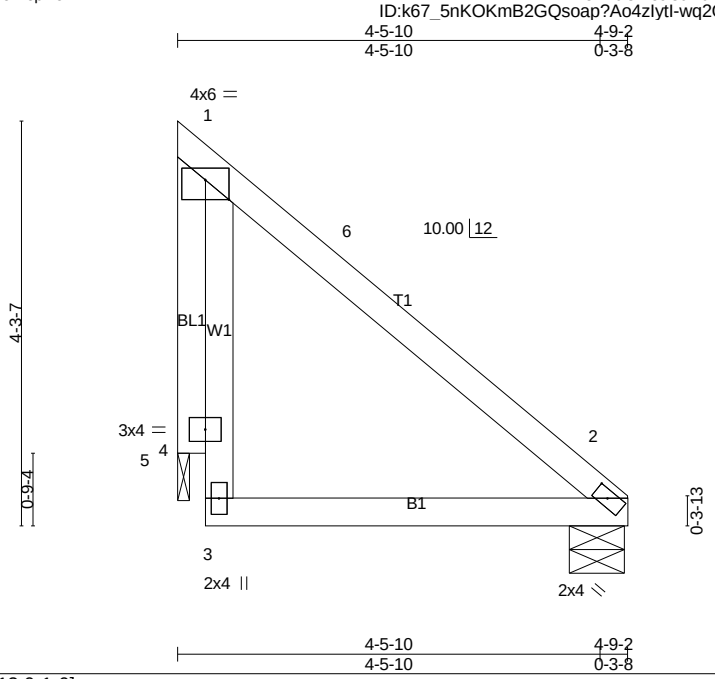

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [2:0-1-13,0-1-0]

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	0.21	Vert(LL)	-0.01	2-3	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	2-3	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-R								
BCDL	10.0										Weight: 20 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-9-2 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) 2=225/0-7-0 (min. 0-1-8), 5=190/0-1-8 (min. 0-1-8)
Max Horz 5=-70(LC 14)
Max Uplift5=-19(LC 14)

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

NOTES- (9)

1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T15	Piggyback Base	9	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:01:59 2021 Page 1

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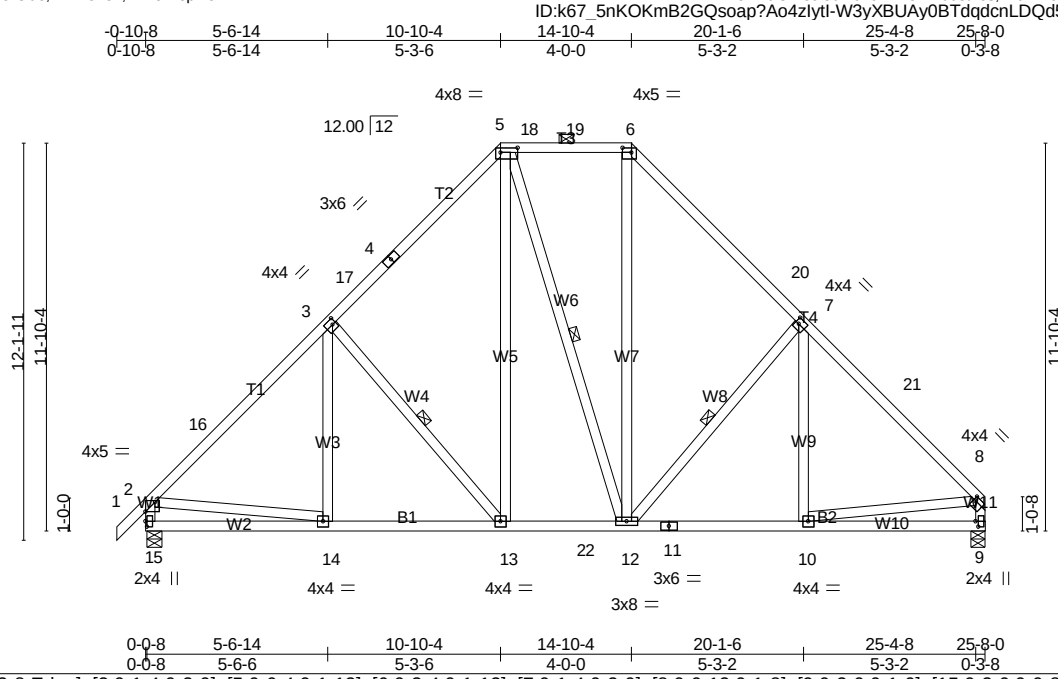

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-1-4,0-2-0], [5:0-6-4,0-1-12], [6:0-3-4,0-1-12], [7:0-1-4,0-2-0], [8:0-0-12,0-1-8], [9:0-2-0,0-1-0], [15:0-2-0,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.04	13	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.08	13-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.02	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 155 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 5-12, 7-12

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

REACTIONS. (lb/size) 15=1374/0-5-8 (min. 0-2-2), 9=1287/0-5-4 (min. 0-2-0)
Max Horz 15=222(LC 13)
Max Uplift15=-4(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-1454/51, 3-16=-1172/80, 3-17=-1158/133, 4-17=-1046/145, 4-5=-989/173, 5-18=-701/168, 18-19=-701/168, 6-19=-701/168, 6-20=-988/178, 7-20=-1160/137, 7-21=-1269/80, 8-21=-1442/54, 2-15=-1322/95, 8-9=-1235/66
BOT CHORD 14-15=-164/360, 13-14=0/947, 13-22=0/718, 12-22=0/718, 11-12=0/923, 10-11=0/923
WEBS 3-13=-355/123, 5-13=-40/405, 6-12=-53/373, 7-12=-358/125, 2-14=0/718, 8-10=0/771

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-10-4, Exterior(2) 10-10-4 to 19-1-3, Interior(1) 19-1-3 to 25-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 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) 15.
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.
11) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T16	Piggyback Base	8	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:02:47 2021 Page 1

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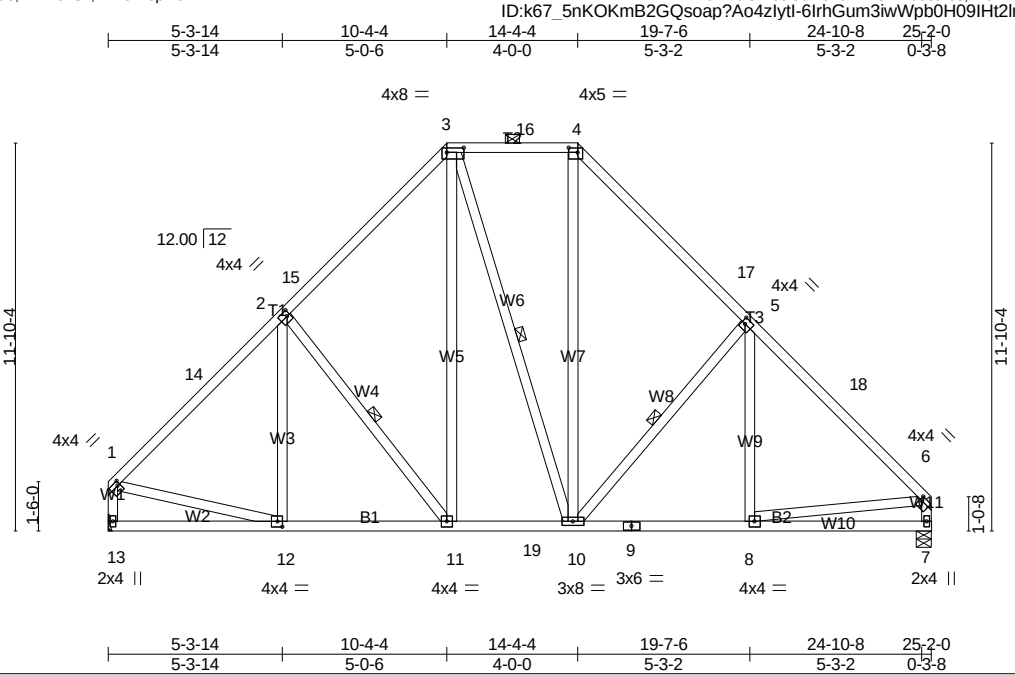

Plate Offsets (X,Y)-- [1:0-1-0,0-1-8], [2:0-1-4,0-2-0], [3:0-6-4,0-1-12], [4:0-3-4,0-1-12], [5:0-1-4,0-2-0], [6:0-0-12,0-1-8], [12:0-1-12,0-2-0]

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	0.43	Vert(LL)	-0.03	10-11	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.07	11-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S								
BCDL	10.0										Weight: 153 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-4-13 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.
WEBS	1 Row at midpt 2-11, 3-10, 5-10

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

REACTIONS. (lb/size) 13=1264/Mechanical, 7=1264/0-5-8 (min. 0-2-0)
Max Horz 13=-214(LC 12)

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

TOP CHORD	1-14=-1321/55, 2-14=-1052/80, 2-15=-1109/140, 3-15=-944/178, 3-16=-679/169, 4-16=-679/169, 4-17=-957/177, 5-17=-1129/137, 5-18=-1240/80, 6-18=-1413/53, 1-13=-1214/65, 6-7=-1211/66
BOT CHORD	11-12=-0/873, 11-19=0/690, 10-19=0/690, 9-10=0/902, 8-9=0/902
WEBS	2-11=-299/123, 3-11=-46/368, 4-10=-51/350, 5-10=-359/124, 1-12=0/776, 6-8=0/751

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-4-4, Exterior(2) 10-4-4 to 18-7-3, Interior(1) 18-7-3 to 25-0-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T16G	GABLE	2	1	Job Reference (optional)

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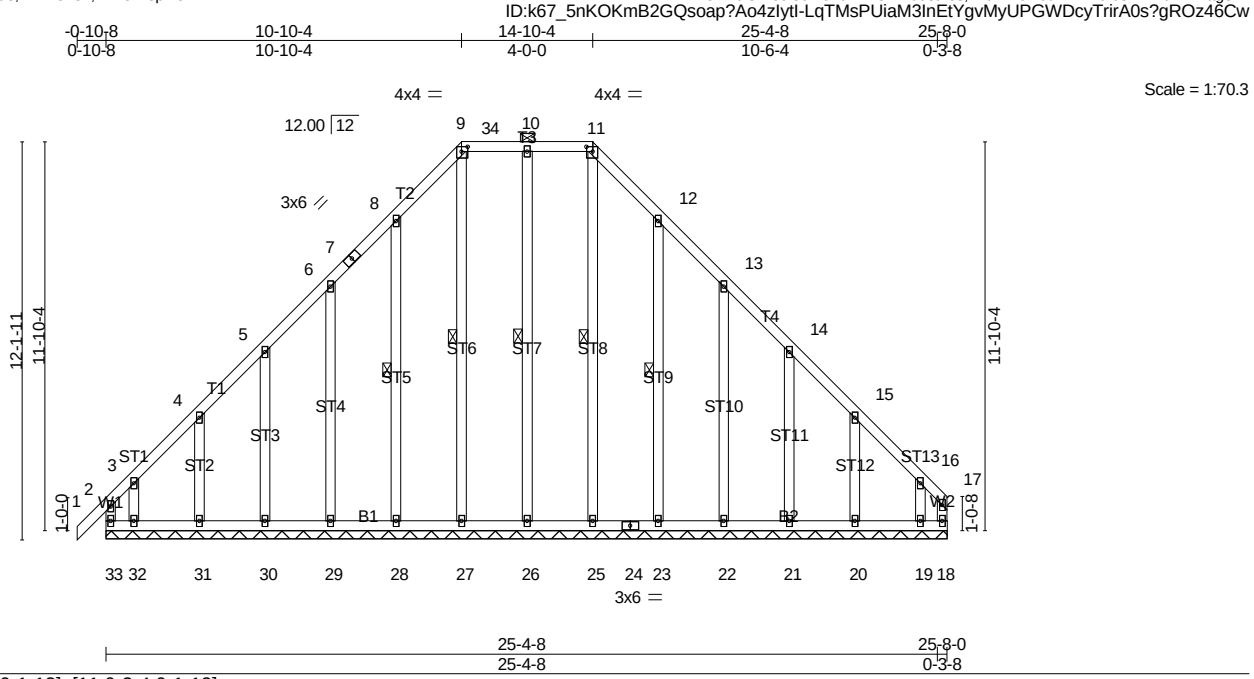

Plate Offsets (X,Y)-- [9:0-2-4,0-1-12], [11:0-2-4,0-1-12]

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	0.09	Vert(LL)	0.00	1	n/r	120	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.00	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.00	18	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-R								
BCDL	10.0										Weight: 171 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF 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.): 9-11.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-28, 9-27, 10-26, 11-25, 12-23

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

REACTIONS. All bearings 25-8-0.
(lb) - Max Horz 33=222(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 31, 30, 29, 28, 23, 22, 21, 20 except 33=-217(LC 12), 18=-193(LC 13), 32=-160(LC 11), 19=-132(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 18, 32, 31, 30, 29, 28, 27, 26, 25, 23, 22, 21, 20, 19 except 33=322(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-253/294, 11-12=-253/294

NOTES- (16)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 10-10-4, Corner(3) 10-10-4 to 13-10-4, Exterior(2) 13-10-4 to 14-10-4, Corner(3) 14-10-4 to 17-10-4, Exterior(2) 17-10-4 to 25-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 31, 30, 29, 28, 23, 22, 21, 20 except (jt=lb) 33=217, 18=193, 32=160, 19=132.

Continued on page 2

NOTES- (16)

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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T17	Piggyback Base	6	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 10:05:35 2021 Page 1

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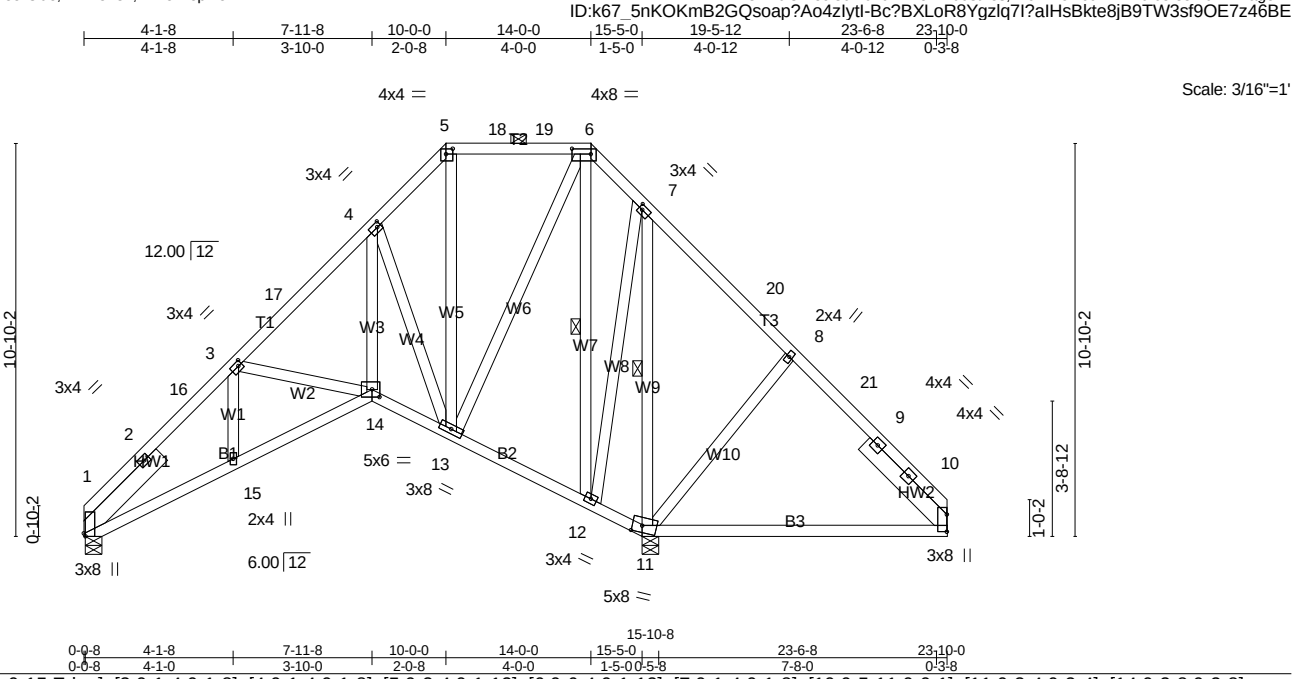

Plate Offsets (X,Y)-- [1:0-0-15,Edge], [3:0-1-4,0-1-8], [4:0-1-4,0-1-8], [5:0-2-4,0-1-12], [6:0-6-4,0-1-12], [7:0-1-4,0-1-8], [10:0-5-11,0-0-1], [11:0-3-4,0-2-4], [14:0-2-8,0-2-8]

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	0.49	Vert(LL)	-0.05	14-15	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.08	14-15	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.09	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 152 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
SLIDER	Left 2x6 SPF No.2 3-0-12, Right 2x6 SPF No.2 3-2-11

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-15 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-12, 7-11

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

REACTIONS. (lb/size) 1=541/0-5-8 (min. 0-1-8), 11=1867/0-5-8 (min. 0-2-15)
Max Horz 1=-187(LC 12)
Max Grav 1=668(LC 27), 11=1867(LC 1)

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

TOP CHORD	1-2=-1177/0, 2-16=-1062/0, 3-16=-991/0, 3-17=-751/47, 4-17=-675/78, 4-5=-384/134, 6-7=-27/377, 7-20=-81/632, 8-20=-103/422, 8-21=-128/425, 9-21=-136/296, 9-10=-156/289
BOT CHORD	1-15=-72/777, 14-15=-72/775, 13-14=-107/535, 12-13=-311/305, 11-12=-481/318
WEBS	3-14=-271/143, 4-14=-11/670, 4-13=-731/50, 5-13=-275/80, 6-13=-3/640, 6-12=-983/41, 7-12=0/880, 7-11=-1251/14, 8-11=-312/168

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-9 to 3-1-9, Interior(1) 3-1-9 to 10-0-0, Exterior(2) 10-0-0 to 18-2-15, Interior(1) 18-2-15 to 23-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T17G	GABLE	1	1	Job Reference (optional)

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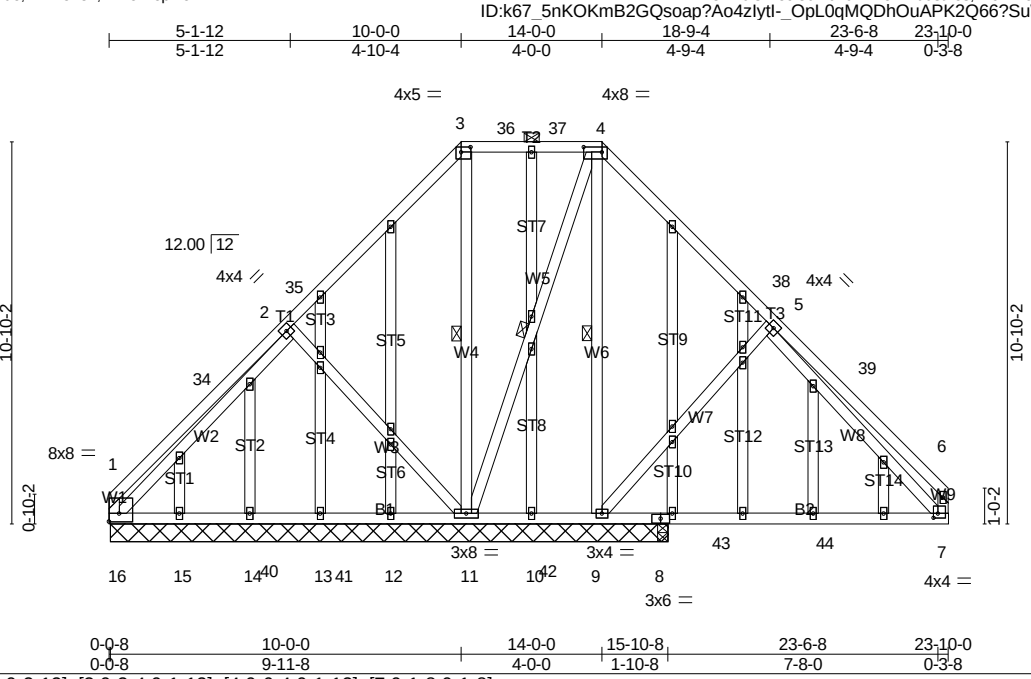

Plate Offsets (X,Y)-- [1:Edge,0-2-12], [3:0-3-4,0-1-12], [4:0-6-4,0-1-12], [7:0-1-8,0-1-8]

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	0.48	Vert(LL)	0.01	9-10	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	0.01	9-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	-0.02	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 191 lb	FT = 10%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF 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 (10-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 3-11, 4-11, 4-9

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

REACTIONS. All bearings 15-10-0.
(lb) - Max Horz 1=191(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 9 except 16=-363(LC 28), 10=-227(LC 5)
Max Grav All reactions 250 lb or less at joint(s) 16, 15, 14, 13, 12, 10 except 1=258(LC 27), 11=1134(LC 1), 9=1304(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-34=-261/127, 2-35=-120/579, 3-35=-96/746, 3-36=-8/450, 36-37=-8/450, 4-37=-8/450, 4-38=-91/736, 5-38=-116/482, 5-39=-230/277, 6-39=-369/253, 6-7=-327/212
BOT CHORD 15-16=-357/147, 15-40=-357/147, 14-40=-357/147, 13-14=-357/147, 13-41=-357/147, 12-41=-357/147, 11-12=-357/147, 11-42=-444/268, 10-42=-444/268, 9-10=-444/268
WEBS 2-11=-349/170, 3-11=-778/144, 4-9=-762/153, 5-9=-361/188, 2-16=-229/475, 5-7=-405/594

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-0-0, Exterior(2) 10-0-0 to 18-2-15, Interior(1) 18-2-15 to 23-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=40.0 psf (ground snow); Pf=30.8 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) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Continued on page 2

NOTES- (14)

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 9 except (jt=lb) 16=363, 10=227.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE
Q104-179RT	T18	Piggyback Base Girder	1	2	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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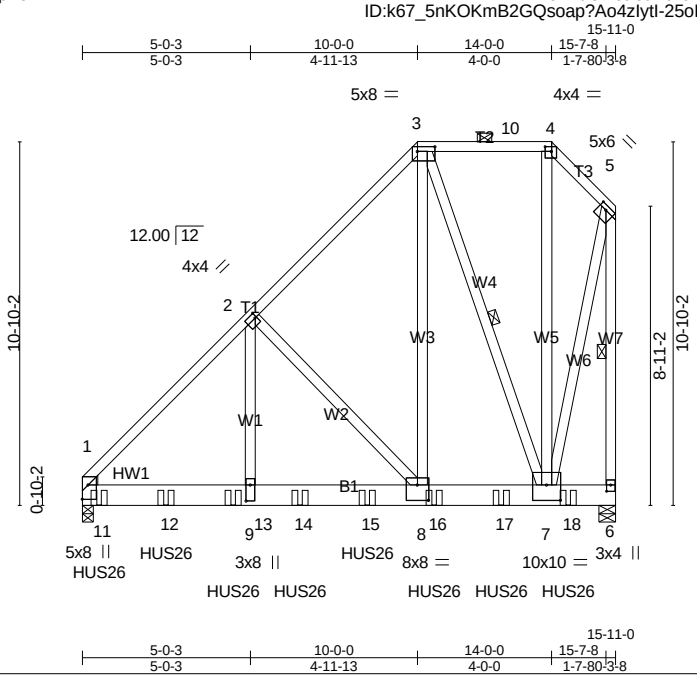

Plate Offsets (X,Y)-- [1:Edge,0-2-1], [2:0-0-8,0-1-12], [3:0-6-4,0-1-12], [4:0-2-4,0-1-12], [5:0-2-12,0-1-8], [6:0-2-4,0-1-8], [7:0-5-0,0-5-8], [8:0-4-0,0-5-8], [9:0-5-12,0-1-8]

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	0.76	Vert(LL)	-0.09	8-9	>999	240	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.15	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.01	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 282 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SPF No.2
WEDGE
Left: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-9 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.
WEBS 1 Row at midpt 3-7, 5-6

REACTIONS. (lb/size) 6=5469/0-6-0 (min. 0-2-4), 1=6073/0-4-0 (min. 0-2-8)
Max Horz 1=266(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5711/0, 2-3=-3001/0, 3-10=-913/0, 4-10=-913/0, 4-5=-1337/0, 5-6=-4969/0
BOT CHORD 1-11=0/3772, 11-12=0/3772, 12-13=0/3772, 9-13=0/3772, 9-14=0/3772, 14-15=0/3772, 8-15=0/3772, 8-16=0/2071, 16-17=0/2071, 7-17=0/2071
WEBS 2-9=0/3536, 2-8=-2553/0, 3-8=0/4773, 3-7=-3322/0, 4-7=0/726, 5-7=0/4082

NOTES- (13)
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 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 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=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 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) 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) 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.
11) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-6-0 from the left end to 14-6-0 to connect truss(es) T16 (1 ply 2x4 SPF) to front face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-82, 3-4=-82, 4-5=-82, 1-6=-20
   Concentrated Loads (lb)
      Vert: 11=-1250(F) 12=-1244(F) 13=-1244(F) 14=-1244(F) 15=-1244(F) 16=-1244(F) 17=-1244(F) 18=-1244(F)

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V01	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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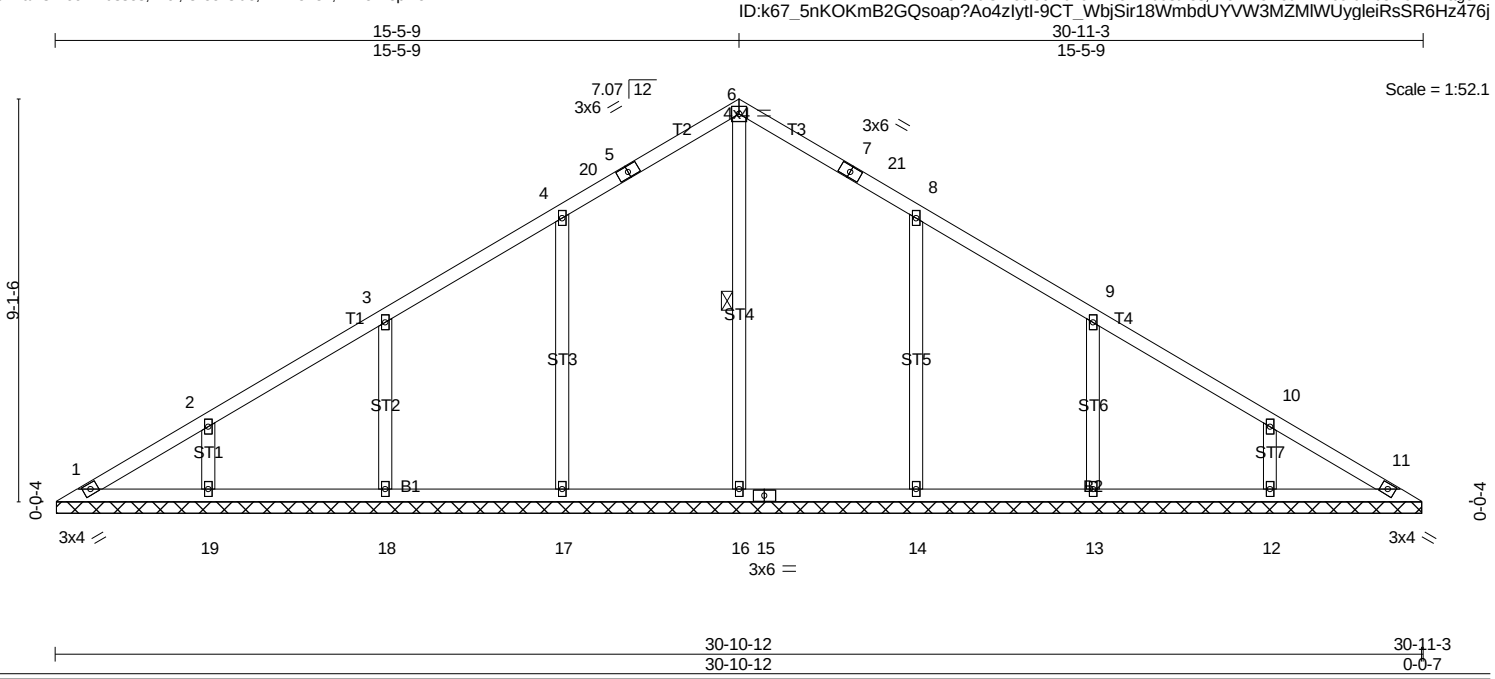

30-10-12
30-10-12
30-11-3
0-0-7

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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 111 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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.
WEBS 1 Row at midpt 6-16

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

REACTIONS. All bearings 30-10-5.
(lb) - Max Horz 1=-138(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 17, 18, 19, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 1, 11 except 16=422(LC 19), 17=525(LC 19), 18=437(LC 19), 19=392(LC 1), 14=525(LC 20), 13=437(LC 20), 12=392(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-16=-254/0, 4-17=-347/93, 3-18=-326/80, 2-19=-310/85, 8-14=-347/93, 9-13=-326/80, 10-12=-310/85

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-6-7 to 3-5-9, Interior(1) 3-5-9 to 15-5-9, Exterior(2) 15-5-9 to 18-6-10, Interior(1) 18-6-10 to 30-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18, 19, 14, 13, 12.
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) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V02	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:09 2021 Page 1

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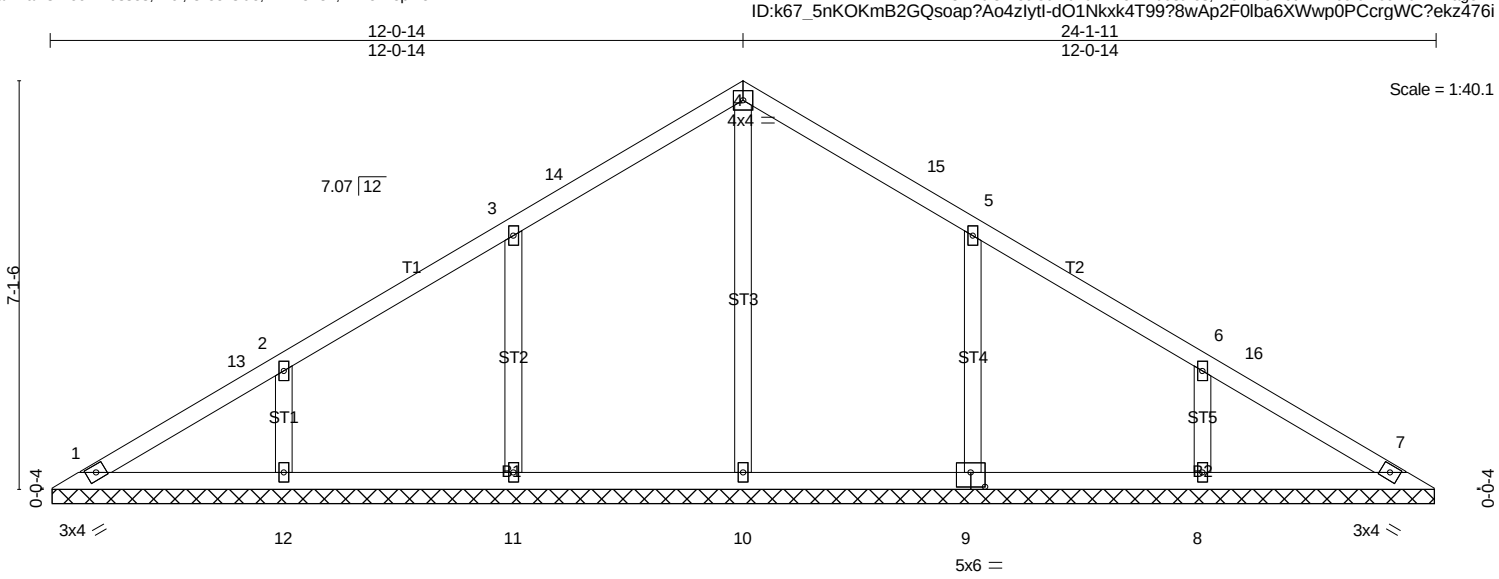

24-1-4
24-1-4
24-1-11
0-0-7

Plate Offsets (X,Y)-- [9:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 79 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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 24-0-14.
(lb) - Max Horz 1=-106(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=438(LC 19), 11=451(LC 19), 12=423(LC 1), 9=449(LC 20), 8=424(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-10=-255/0, 3-11=-346/93, 2-12=-331/90, 5-9=-345/93, 6-8=-331/90

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-6-7 to 3-6-7, Interior(1) 3-6-7 to 12-0-14, Exterior(2) 12-0-14 to 15-0-14, Interior(1) 15-0-14 to 23-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 12, 9, 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.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V03	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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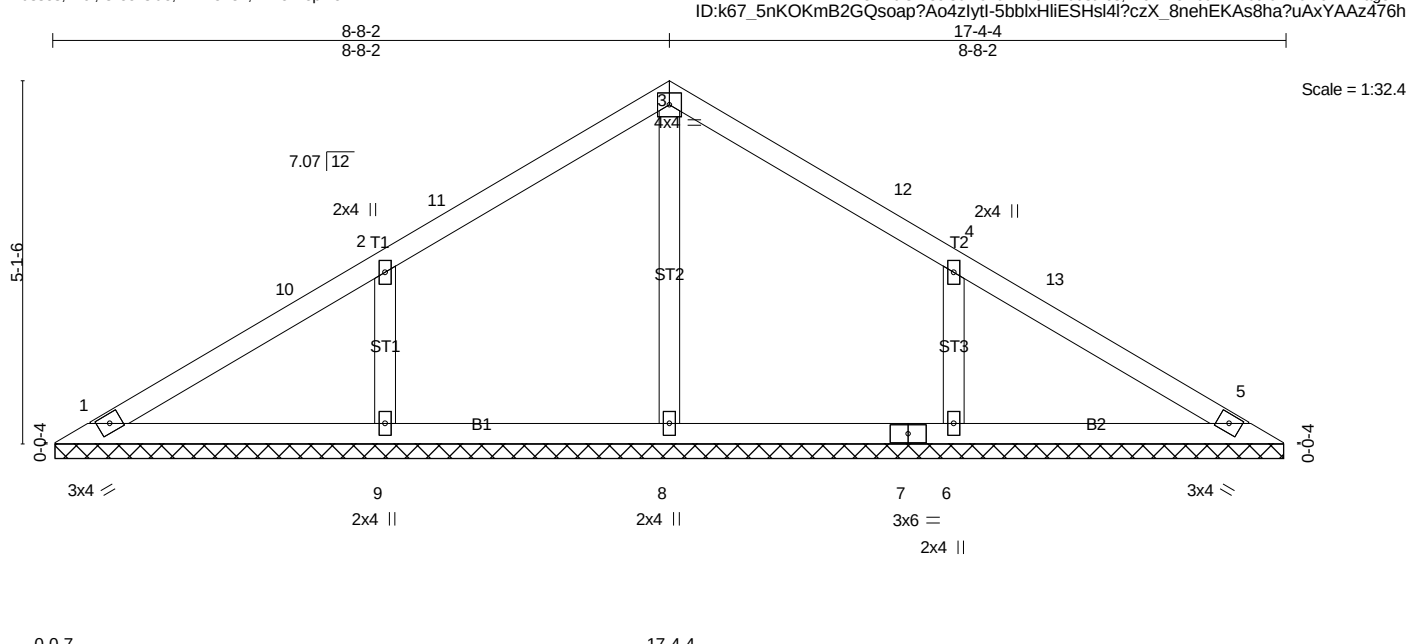

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 51 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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

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

REACTIONS. All bearings 17-3-6.
(lb) - Max Horz 1=-75(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 9, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=305(LC 1), 9=491(LC 1), 6=491(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-387/101, 4-6=-387/101

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-6-7 to 3-6-7, Interior(1) 3-6-7 to 8-8-2, Exterior(2) 8-8-2 to 11-8-2, Interior(1) 11-8-2 to 16-9-13 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V04	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine

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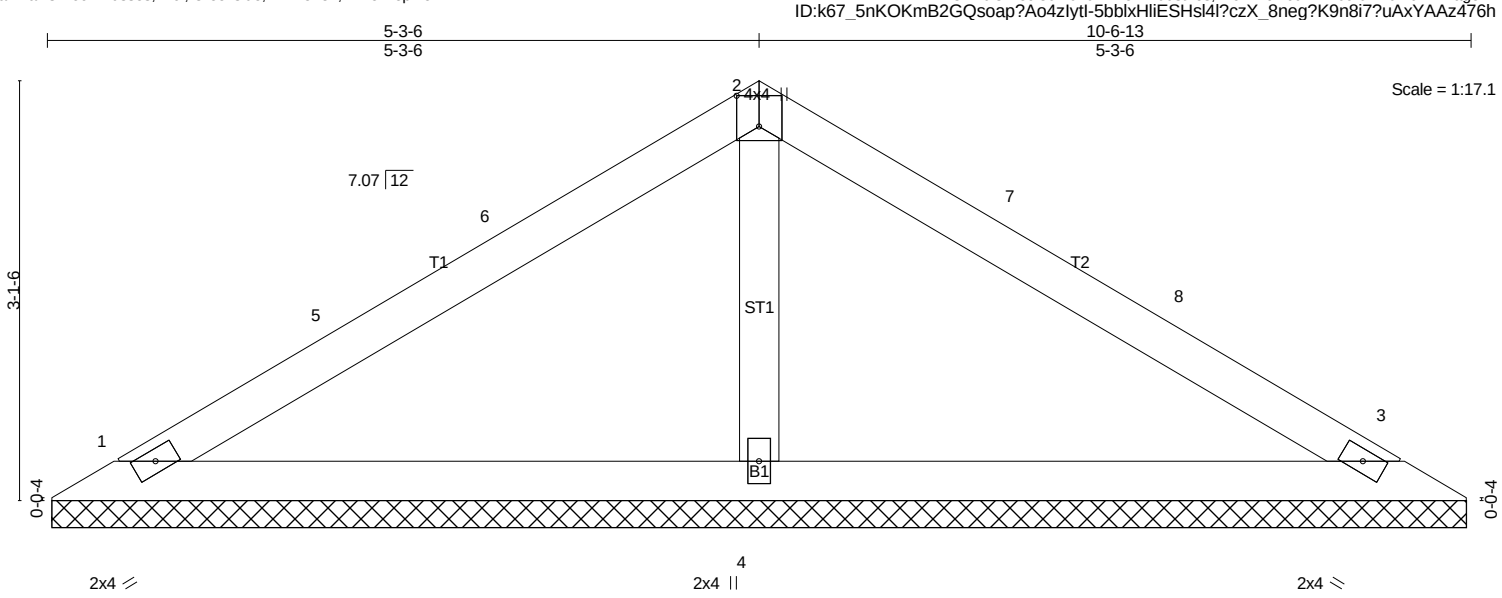

Plate Offsets (X,Y)-- [2:0-2-12,0-2-0]

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	0.36	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 27 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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=230/10-5-15 (min. 0-1-8), 3=230/10-5-15 (min. 0-1-8), 4=504/10-5-15 (min. 0-1-8)
Max Horz 1=-44(LC 12)
Max Uplift1=-7(LC 14), 3=-7(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-355/57

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-6-7 to 3-6-7, Interior(1) 3-6-7 to 5-3-6, Exterior(2) 5-3-6 to 8-3-6, Interior(1) 8-3-6 to 10-0-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V05	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:11 2021 Page 1

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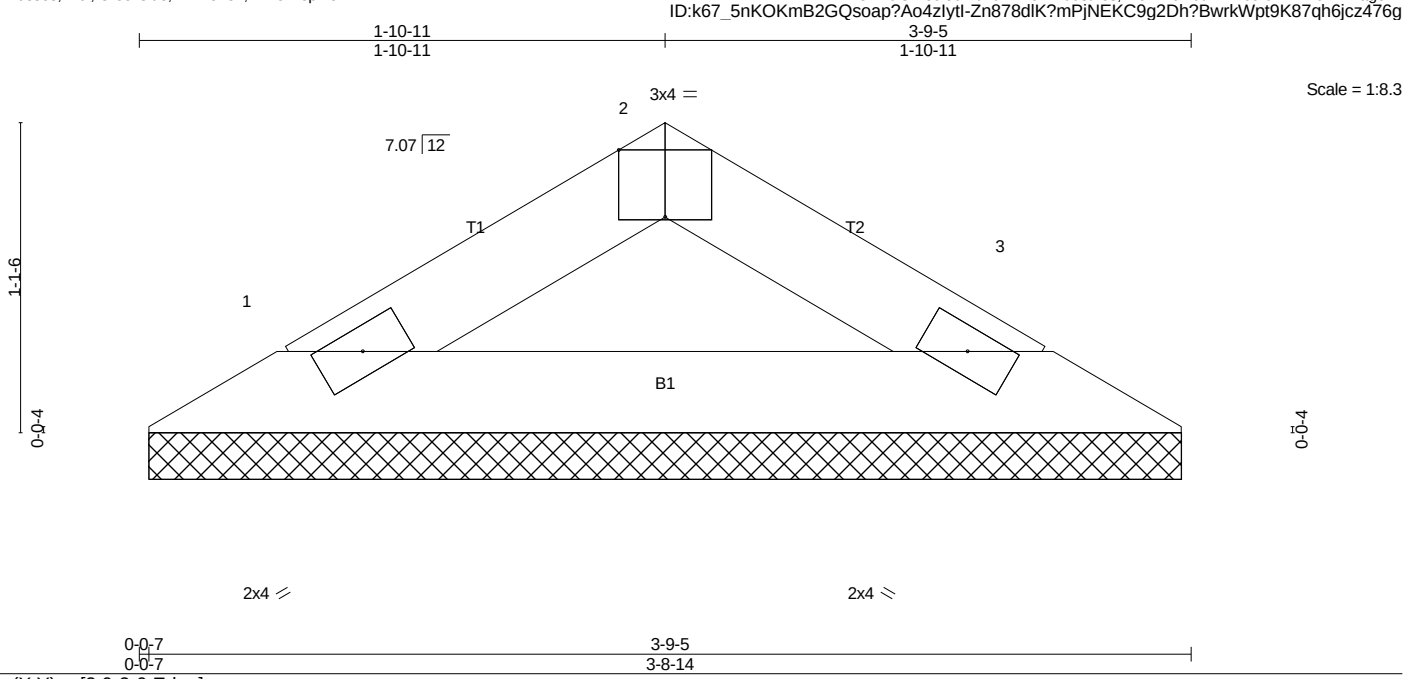

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 8 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=137/3-8-8 (min. 0-1-8), 3=137/3-8-8 (min. 0-1-8)
Max Horz 1=12(LC 13)

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

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) 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.
8) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V06	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:12 2021 Page 1

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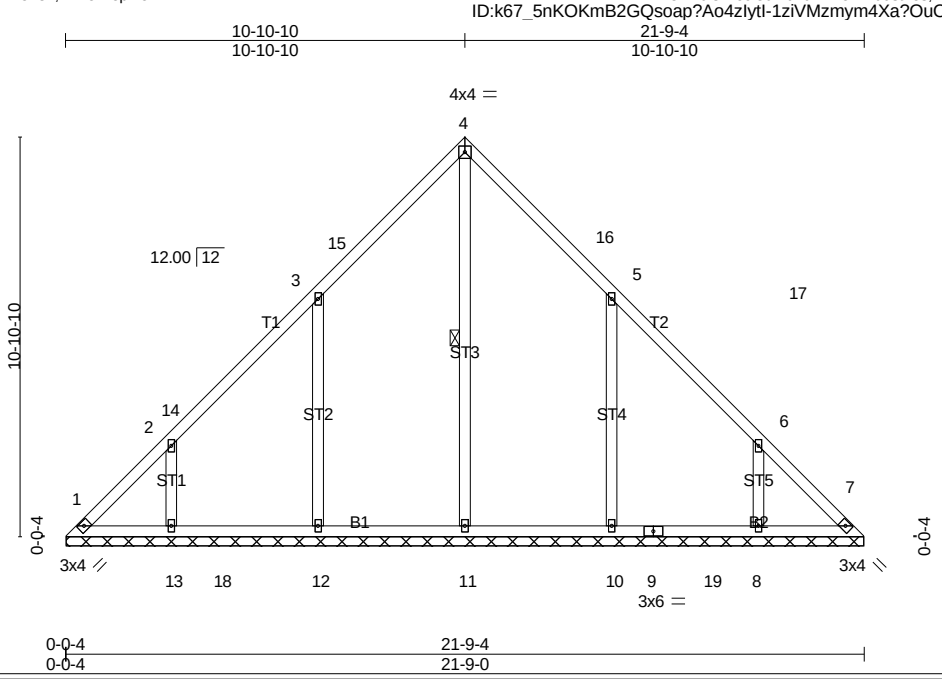

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 90 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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.
WEBS 1 Row at midpt 4-11

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

REACTIONS. All bearings 21-8-12.
(lb) - Max Horz 1=-185(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 12, 13, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=373(LC 19), 12=558(LC 19), 13=386(LC 19), 10=557(LC 20), 8=387(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=-356/166, 2-13=-287/143, 5-10=-356/166, 6-8=-287/143

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 10-10-10, Exterior(2) 10-10-10 to 13-10-10, Interior(1) 13-10-10 to 21-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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, 7, 12, 13, 10, 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.
10) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V07	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine — 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:12 2021 Page 1

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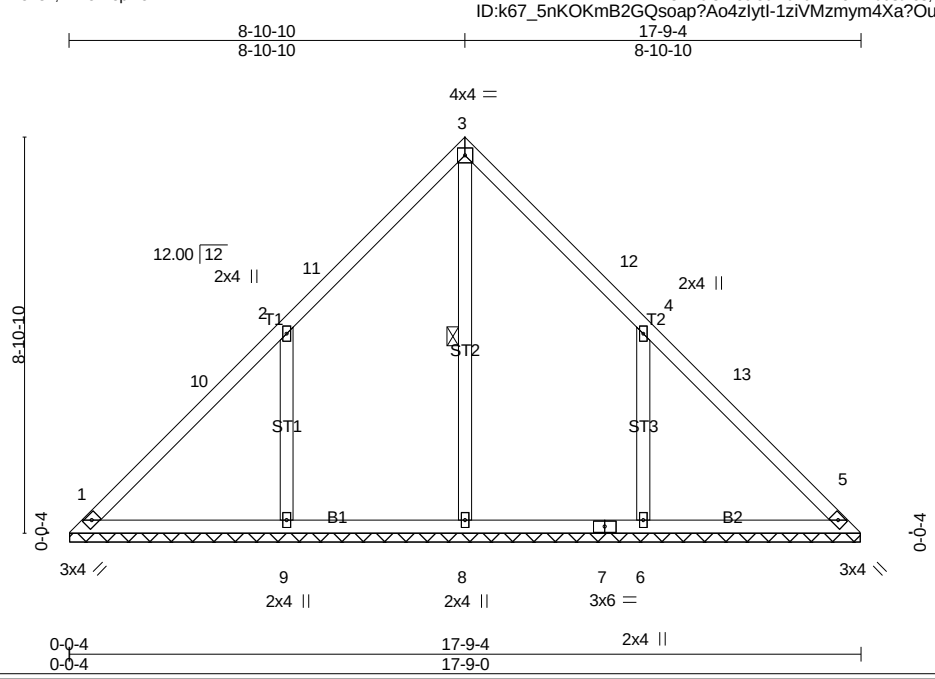

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IRC2015/TPI2014		Matrix-S								
BCDL	10.0										Weight: 67 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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.
WEBS 1 Row at midpt 3-8

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

REACTIONS. All bearings 17-8-12.
(lb) - Max Horz 1=-150(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 9=-111(LC 14), 6=-111(LC 14)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=358(LC 19), 9=576(LC 19), 6=576(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-407/186, 4-6=-407/186

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 8-10-10, Exterior(2) 8-10-10 to 11-10-10, Interior(1) 11-10-10 to 17-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 9 and 111 lb uplift at joint 6.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V08	Valley	1	1	Job Reference (optional)

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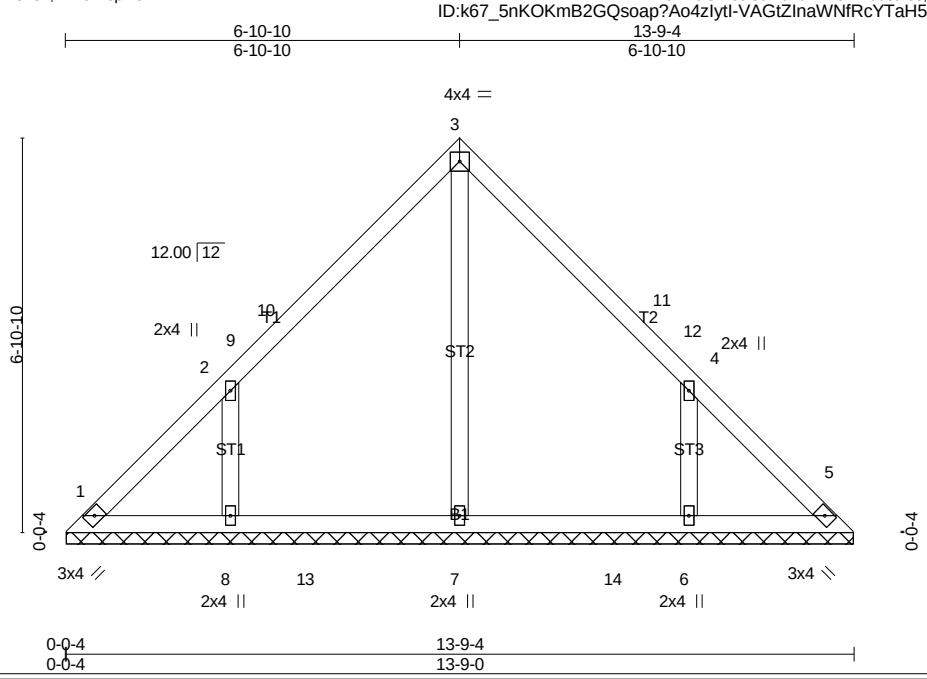

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 49 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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 13-8-12.
(lb) - Max Horz 1=-115(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=378(LC 19), 8=419(LC 19), 6=419(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-321/159, 4-6=-321/159

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 6-10-10, Exterior(2) 6-10-10 to 9-10-10, Interior(1) 9-10-10 to 13-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 6.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V09	Valley	1	1	Job Reference (optional)

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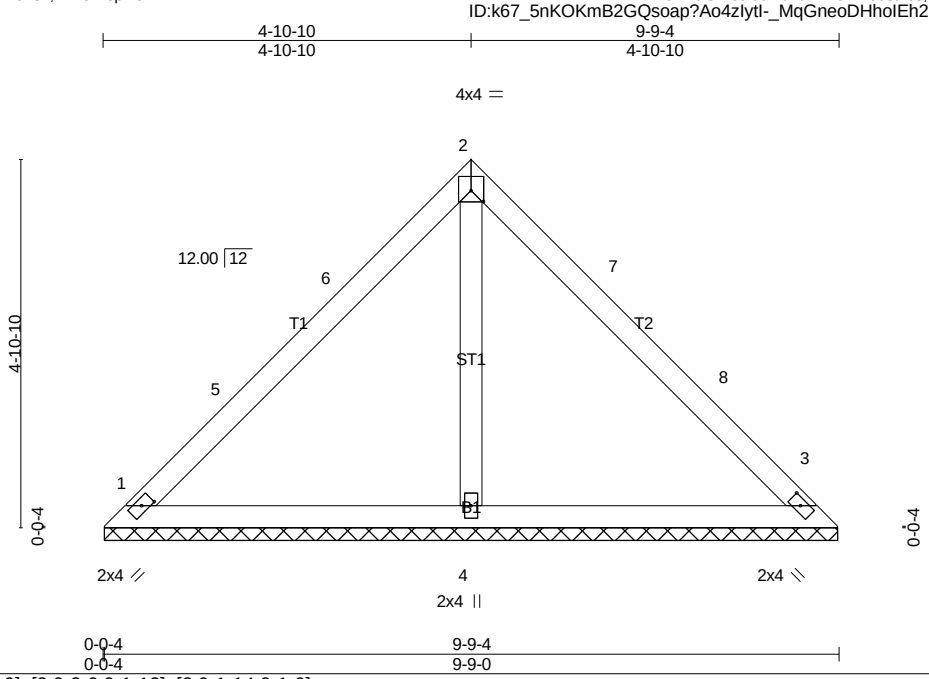

Plate Offsets (X,Y)-- [1:0-1-14,0-1-0], [2:0-2-0,0-1-12], [3:0-1-14,0-1-0]

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	0.33	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 31 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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=261/9-8-12 (min. 0-1-8), 3=261/9-8-12 (min. 0-1-8), 4=399/9-8-12 (min. 0-1-8)
Max Horz 1=80(LC 13)
Max Uplift1=-10(LC 14), 3=-10(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-253/33

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 4-10-10, Exterior(2) 4-10-10 to 7-10-10, Interior(1) 7-10-10 to 9-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V10	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:14 2021 Page 1

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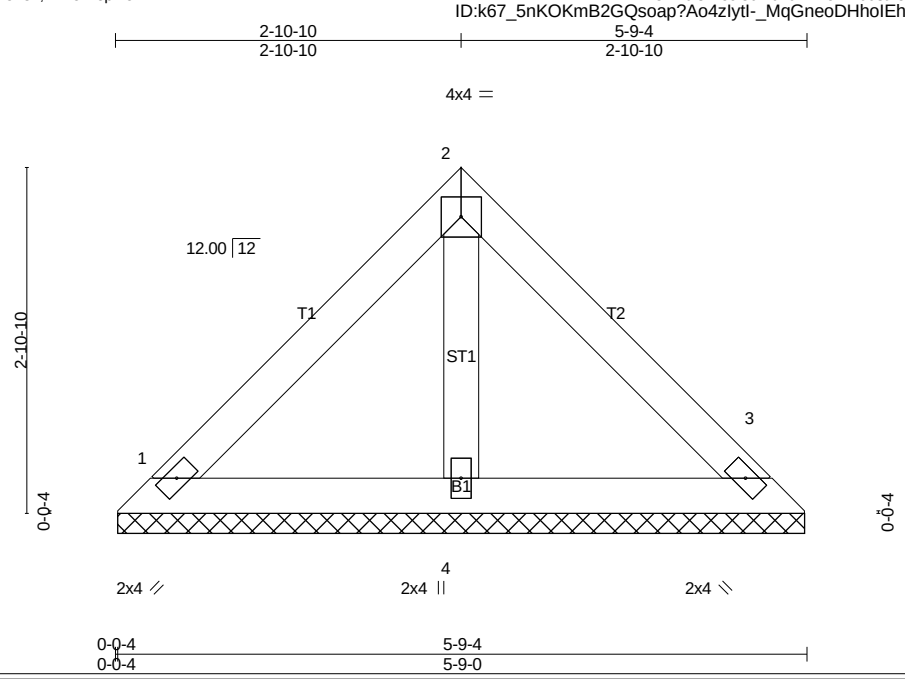

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 17 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-4 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=158/5-8-12 (min. 0-1-8), 3=158/5-8-12 (min. 0-1-8), 4=199/5-8-12 (min. 0-1-8)
Max Horz 1=45(LC 13)
Max Uplift1=-11(LC 14), 3=-11(LC 14)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V11	Valley	1	1	Job Reference (optional)

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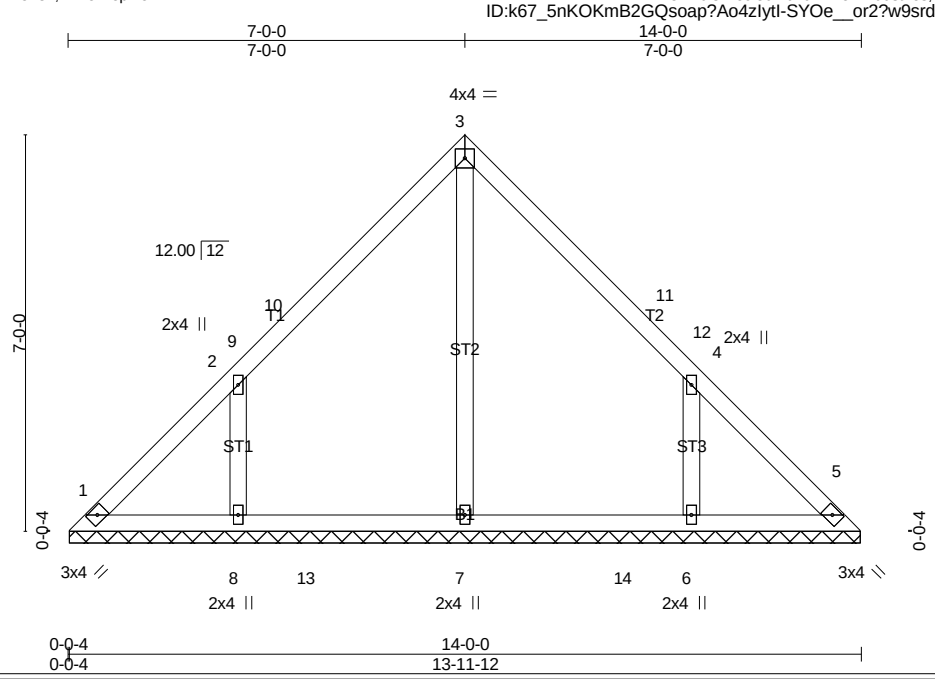

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 50 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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 13-11-8.
(lb) - Max Horz 1=-117(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=379(LC 19), 8=426(LC 19), 6=426(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-324/160, 4-6=-324/160

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 7-0-0, Exterior(2) 7-0-0 to 10-0-0, Interior(1) 10-0-0 to 13-7-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 6.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V12	Valley	1	1	Job Reference (optional)

Fairman's Roof Trusses, Inc., Creekside, PA 15732, Mike Repine 8.420 s Dec 30 2020 MiTek Industries, Inc. Mon Jun 21 09:02:16 2021 Page 1
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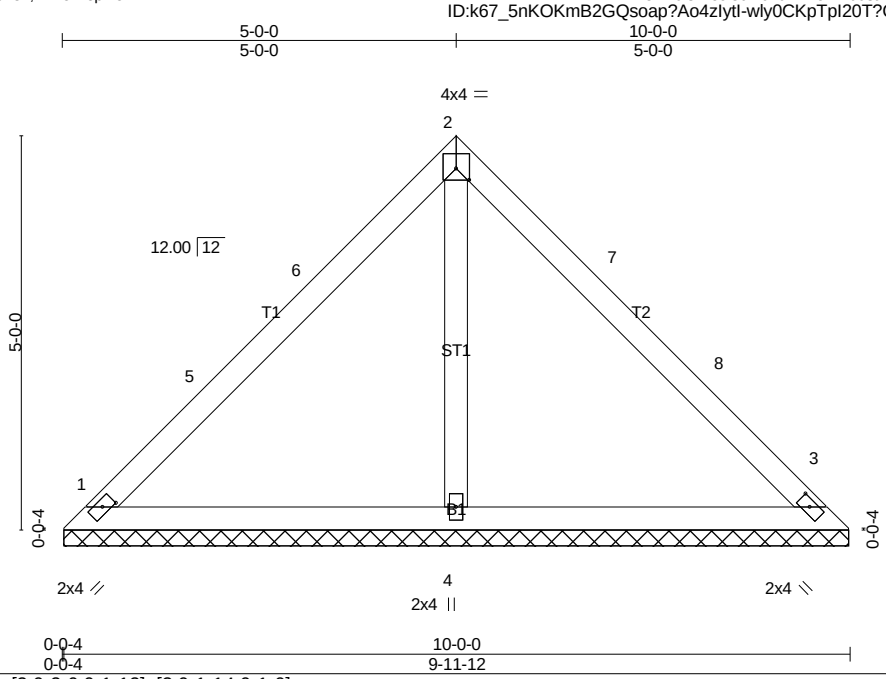

Scale = 1:29.2

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

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	0.35	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-S								
BCDL	10.0										Weight: 31 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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=268/9-11-8 (min. 0-1-8), 3=268/9-11-8 (min. 0-1-8), 4=409/9-11-8 (min. 0-1-8)
Max Horz 1=-82(LC 12)
Max Uplift1=-11(LC 14), 3=-11(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-260/33

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 5-0-0, Exterior(2) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 9-7-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V13	Valley	1	1	Job Reference (optional)

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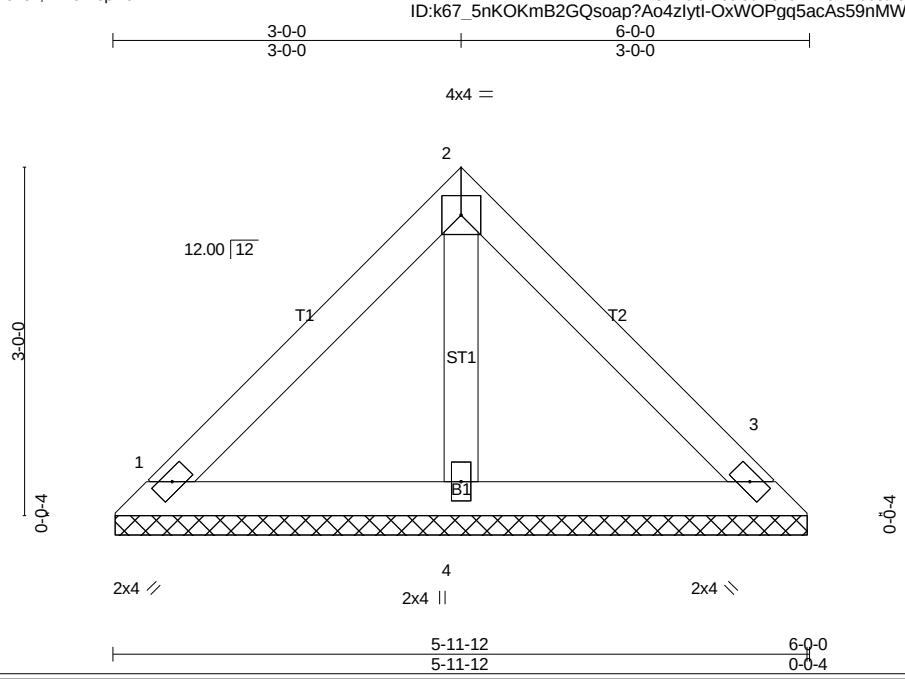

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 18 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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=165/5-11-8 (min. 0-1-8), 3=165/5-11-8 (min. 0-1-8), 4=208/5-11-8 (min. 0-1-8)
Max Horz 1=-47(LC 12)
Max Uplift1=-12(LC 14), 3=-12(LC 14)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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.
9) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BANDY RESIDENCE-BUDGET ONLY
Q104-179RT	V14	Valley	1	1	Job Reference (optional)

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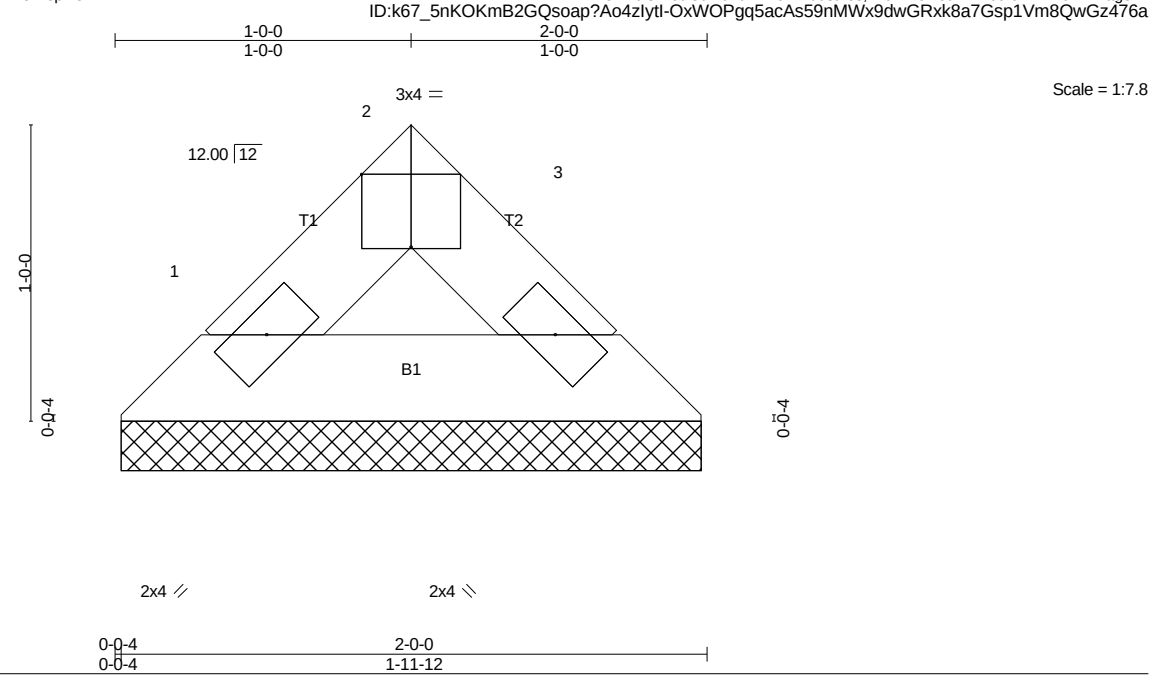

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.01	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	30.8/40.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-P								
BCDL	10.0										Weight: 4 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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=66/1-11-8 (min. 0-1-8), 3=66/1-11-8 (min. 0-1-8)
Max Horz 1=-11(LC 12)

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

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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=40.0 psf (ground snow); Pf=30.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) 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.
8) CUSTOMER SIGNATURE:_____

LOAD CASE(S) Standard