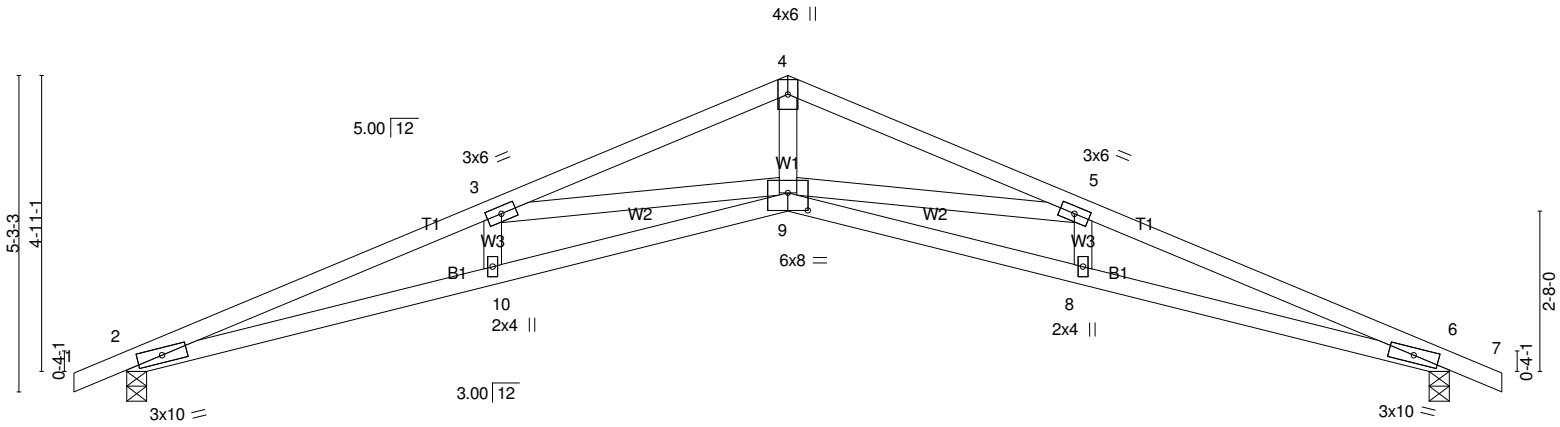
Job	Truss	Truss Type	Qty	Ply	22' Scissor Truss
B808178	T1	SCISSORS	1	1	Job Reference (optional)

Superior Trusses, Ephrata, PA 17522, Jordan Martin

Run: 8.310 s 21 Jul 21 2018 Print: 8.210 s Jul 21 2018 MiTek Industries, Inc. Mon Aug 13 11:09:41 2018 Page 1
ID:AnGiSI?3P4mboo4Z0navVVyoIBZ-tzOv7WK?2MAmXyel6yZE5C3weCqfDglfJOvWYyyoIB8

0-10-8	6-1-1	11-0-0	15-10-15	22-0-0	22-10-8
0-10-8	6-1-1	4-10-15	4-10-15	6-1-1	0-10-8

Scale = 1:38.3



6-1-1	11-0-0	15-10-15	22-0-0
6-1-1	4-10-15	4-10-15	6-1-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.58	8-9	>450	240	MT20	169/123
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.97	8-9	>267	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.65	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.29	8-9	>911	360	Weight: 68 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.3E
BOT CHORD 2x4 SPF 1650F 1.3E
WEBS 2x4 SPF-S No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-13 oc bracing.

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

REACTIONS. (size) 2=0-4-0 (min. 0-1-13), 6=0-4-0 (min. 0-1-13)
Max Horz 2=-82(LC 14)
Max Uplift2=-262(LC 16), 6=-262(LC 16)
Max Grav 2=1167(LC 1), 6=1167(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-4619/1010, 3-11=-4525/1020, 3-12=-3391/726, 4-12=-3314/736, 4-13=-3314/724, 5-13=-3391/717, 5-14=-4525/1032, 6-14=-4619/1022
BOT CHORD 2-10=-900/4280, 9-10=-902/4286, 8-9=-922/4286, 6-8=-920/4280
WEBS 4-9=-408/2165, 3-9=-1311/364, 5-9=-1311/362

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=3.0psf; BCDL=3.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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 14-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=30.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 2, 6 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 262 lb uplift at joint 2 and 262 lb uplift at joint 6.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

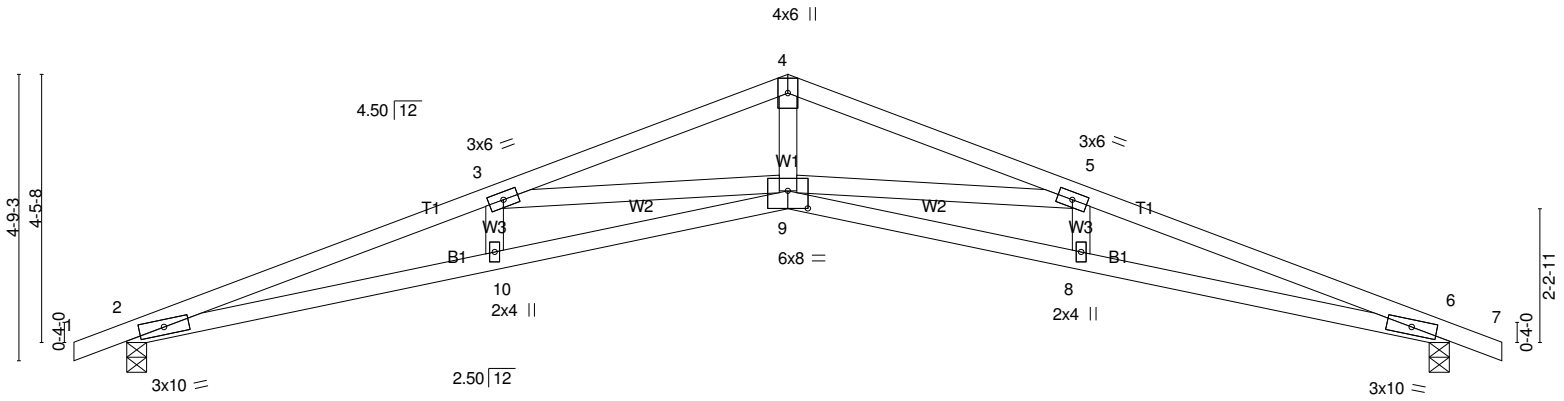
Job	Truss	Truss Type	Qty	Ply	22' Scissor Truss
B808178	T2	SCISSORS	1	1	Job Reference (optional)

Superior Trusses, Ephrata, PA 17522, Jordan Martin

Run: 8.210 s Jul 21 2018 Print: 8.210 s Jul 21 2018 MiTek Industries, Inc. Mon Aug 13 11:09:41 2018 Page 1
ID:AnGiSI?3P4mboo4Z0navVVyoIBZ-tzOv7WK?2MAmXyel6yZE5C3wmCqbDgpfJOvWYyyoIB8

0-10-8	6-1-8	11-0-0	15-10-8	22-0-0	22-10-8
0-10-8	6-1-8	4-10-8	4-10-8	6-1-8	0-10-8

Scale = 1:38.3



6-1-8	11-0-0	15-10-8	22-0-0
6-1-8	4-10-8	4-10-8	6-1-8

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

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plate Grip DOL 1.15	TC	0.80	Vert(LL)	-0.57	9-10	>457	240	MT20	169/123
TCDL	10.0	Lumber DOL 1.15	BC	0.91	Vert(CT)	-0.96	9-10	>271	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.71	Horz(CT)	0.56	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.29	8-9	>909	360	Weight: 67 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.3E
BOT CHORD 2x4 SPF 1650F 1.3E
WEBS 2x4 SPF-S No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.

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

REACTIONS. (size) 2=0-4-0 (min. 0-1-13), 6=0-4-0 (min. 0-1-13)
Max Horz 2=-64(LC 14)
Max Uplift2=-262(LC 16), 6=-262(LC 16)
Max Grav 2=1167(LC 1), 6=1167(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-4594/1027, 3-11=-4508/1035, 3-12=-3362/750, 4-12=-3292/760, 4-13=-3292/750, 5-13=-3362/743, 5-14=-4508/1044, 6-14=-4594/1035
BOT CHORD 2-10=-927/4290, 9-10=-928/4295, 8-9=-945/4295, 6-8=-943/4290
WEBS 4-9=-377/1931, 3-9=-1328/348, 5-9=-1328/347

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=3.0psf; BCDL=3.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; 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 14-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=30.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.1
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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 1-0-0 wide will fit between the bottom chord and any other members.
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10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard