

Job	Truss	Truss Type	Qty	Ply	Ray Clapper	0001
B810065	GE1	Common Supported Gable	2	1	Job Reference (optional)	

Superior Trusses, Ephrata, PA 17522, Nelson Martin

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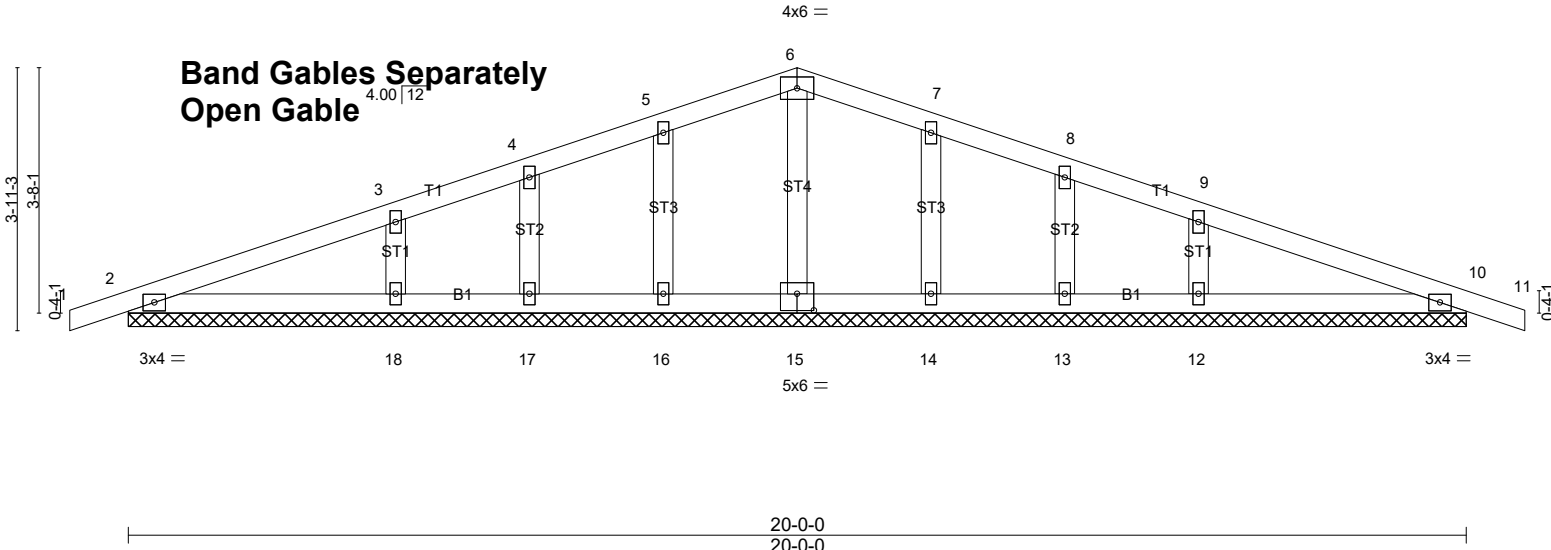
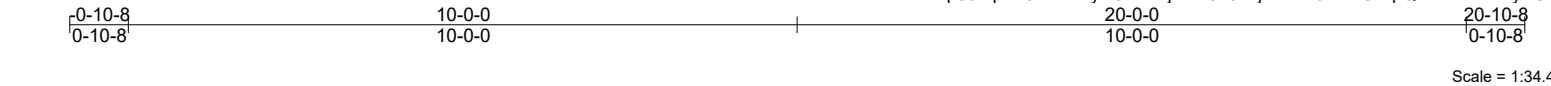


Plate Offsets (X,Y)-- [15:0-3-0,0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.22	Vert(LL)	0.00 10	n/r	120	MT20	169/123
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.11	Vert(CT)	0.01 11	n/r	120		
TCDL 10.0	Lumber DOL 1.15	WB 0.05	Horz(CT)	0.00 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S					Weight: 56 lb	FT = 10%
BCDL 10.0	Code IRC2015/TPI2014							

LUMBER- TOP CHORD 2x4 SPF-S No.2 BOT CHORD 2x4 SPF-S No.2 OTHERS 2x4 SPF-S No.2	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. <div>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</div>
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REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=30(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 18, 14, 13, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 15, 17, 13, 10 except 16=287(LC 19), 18=396(LC 19), 14=287(LC 20), 12=396(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-18=-301/129, 9-12=-301/129

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 10-0-0, Corner(3) 10-0-0 to 13-0-0 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
 - 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; Pf=30.0 psf (flat roof snow); Category II; Exp B; 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 16.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 2x4 MT20 unless otherwise indicated.
 - 7) Gable requires continuous bottom chord bearing.
 - 8) 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 1-0-0 wide will fit between the bottom chord and any other members.
 - 11) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 16, 17, 18, 14, 13, 12, and 10. This connection is for uplift only and does not consider lateral forces.
 - 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job B810065	Truss T1	Truss Type FINK	Qty 11	Ply 1	Ray Clapper	0002
Job Reference (optional)						

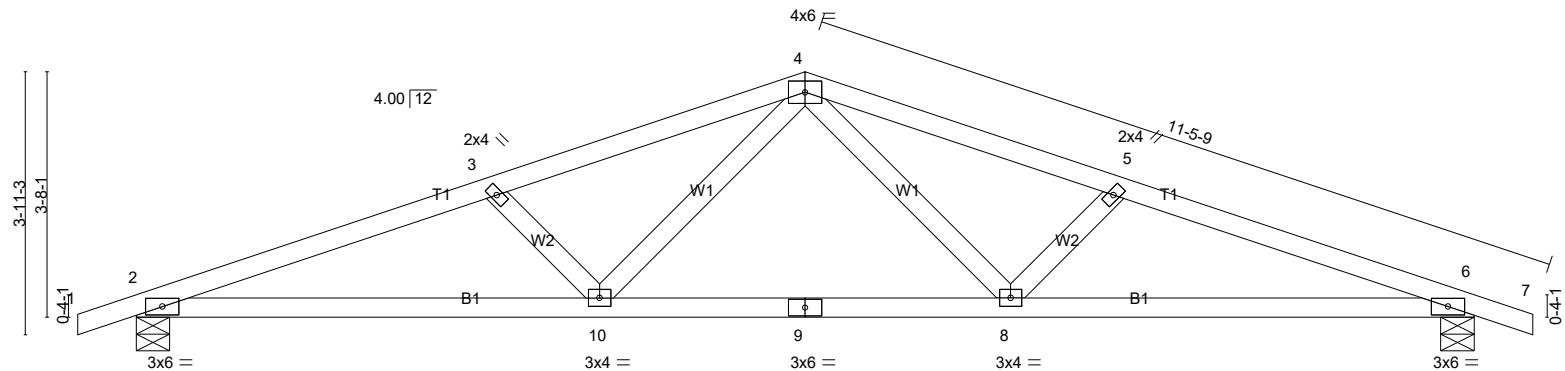
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0-10-8	5-4-11	10-0-0	14-7-5	20-0-0	20-10-8
0-10-8	5-4-11	4-7-5	4-7-5	5-4-11	0-10-8

Scale = 1:34.4



6-11-2	13-0-14	20-0-0
6-11-2	6-1-12	6-11-2

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0	TC 0.47	Vert(LL)	-0.15 8-10	>999	240	MT20	169/123
TCDL 10.0	Plate Grip DOL 1.15	BC 0.83	Vert(CT)	-0.26 8-10	>906	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.21	Horz(CT)	0.08 6	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.06 8-10	>999	360	Weight: 55 lb	FT = 10%
BCDL 10.0	Code IRC2015/TPI2014							

LUMBER-

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

BRACING-

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 2-11-11 oc purlins.
Rigid ceiling directly applied or 9-11-1 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=1065/0-6-0 (min. 0-2-2), 6=1065/0-6-0 (min. 0-2-2)
Max Horz 2=30(LC 13)
Max Uplift 2=-135(LC 14), 6=-135(LC 14)

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

TOP CHORD 2-11=-2255/320, 3-11=-2194/327, 3-12=-1962/283, 4-12=-1897/289, 4-13=-1897/289, 5-13=-1962/283, 5-14=-2194/327, 6-14=-2255/320

BOT CHORD 2-10=-273/2066, 9-10=-156/1408, 8-9=-156/1408, 6-8=-278/2066

WEBS 3-10=-473/118, 4-10=-64/657, 4-8=-64/657, 5-8=-473/118

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; 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 10-0-0, Exterior(2) 10-0-0 to 13-0-0 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
- 2) TCLL: ASCE 7-10; Pf=30.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 30.0 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 1-0-0 wide will fit between the bottom chord and any other members.
- 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard