

Job B810065	Truss GE1	Truss Type Common Supported Gable	Qty 2	Ply 1	Ray Clapper	0001
Superior Trusses, Ephrata, PA 17522, Nelson Martin					Run: 8.210 s Jul 21 2018 Print: 8.210 s Jul 21 2018 MiTek Industries, Inc. Tue Oct 2 17:42:28 2018 Page 1	
					Job Reference (optional) ID:H1NILfdlp86bqc1v0SPHrRyXOkI-hPjAldo9a8aejdvDkP5BKBOwipQxTFb1fLdkIryXOev	

0-10-8 0-10-8	10-0-0 10-0-0	20-0-0 10-0-0	20-10-8 0-10-8
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Scale = 1:34.4

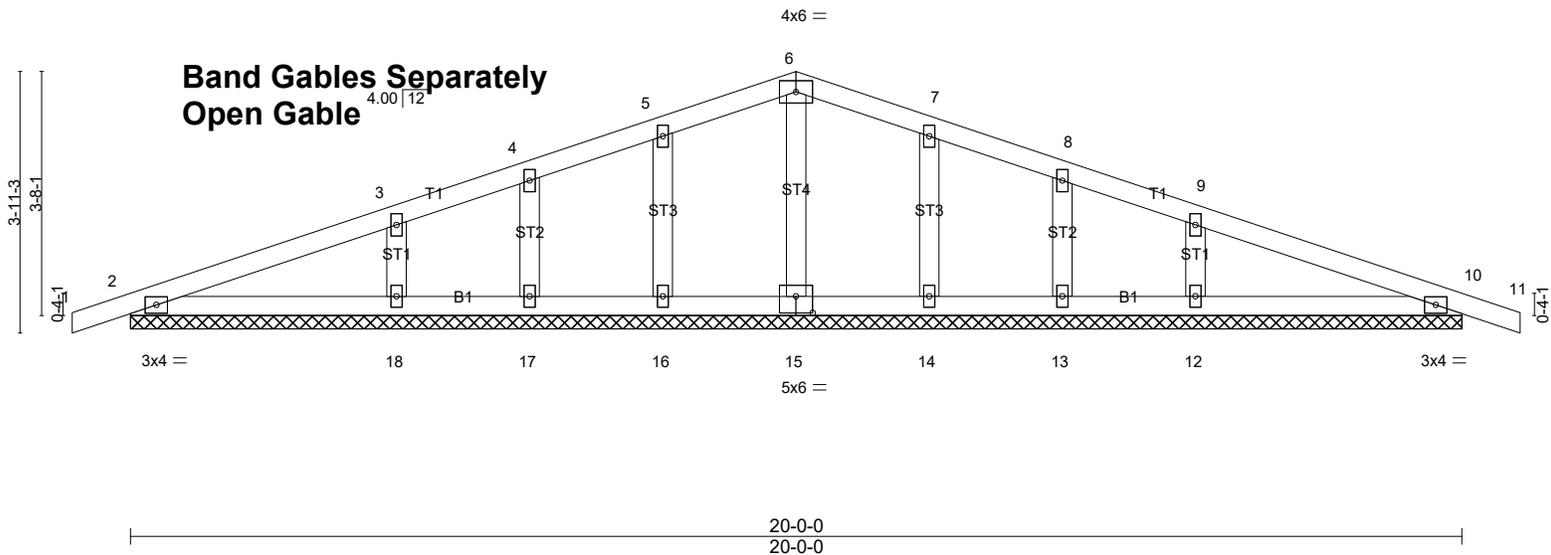


Plate Offsets (X,Y)-- [15:0-3-0,0-3-0]

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

LUMBER-
TOP CHORD 2x4 SPF-S No.2
BOT CHORD 2x4 SPF-S No.2
OTHERS 2x4 SPF-S 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 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-**
- 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
 - 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.
 - TCLL: ASCE 7-10; Pf=30.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - 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.
 - 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

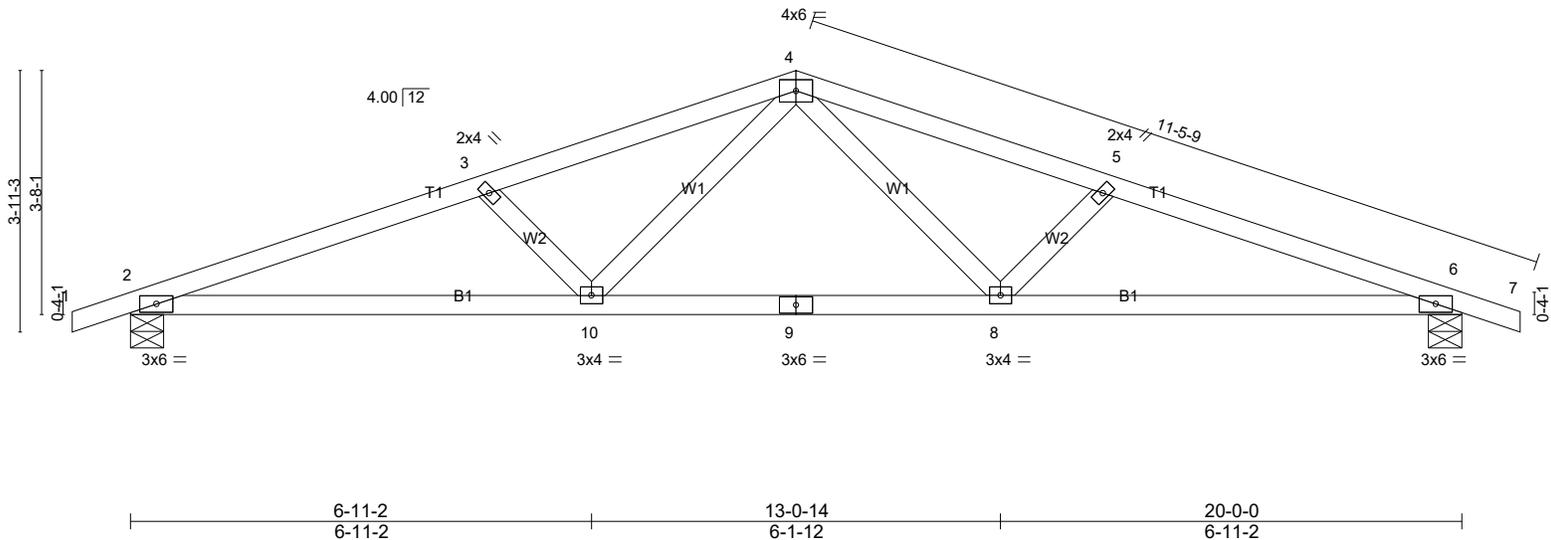
Job B810065	Truss T1	Truss Type FINK	Qty 11	Ply 1	Ray Clapper	0002
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Superior Trusses, Ephrata, PA 17522, Nelson Martin

Run: 8.210 s Jul 21 2018 Print: 8.210 s Jul 21 2018 MiTek Industries, Inc. Tue Oct 2 17:42:30 2018 Page 1
 ID:H1NILfdlp86bqc1v0SPHrRyXOkI-dorwAlqQ5mqMyx3brq7fPcTCDcwAx6bK7e6qNjyXOet



Scale = 1:34.4



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

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-11-11 oc purlins.
 BOT CHORD 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