

Job B1119-4875	Truss A1GE	Truss Type GABLE	Qty 1	Ply 1	Covington Res. / Harnett Co.
Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor					Job Reference (optional)

Run: 8.120 s Jun 27 2017 Print: 8.120 s Jun 27 2017 MiTek Industries, Inc. Fri Nov 1 15:22:48 2019 Page 1
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-1-2-8 12-8-14 26-2-14 38-11-12 40-2-4
 1-2-8 12-8-14 13-6-0 12-8-14 1-2-8

Scale = 1:71.7

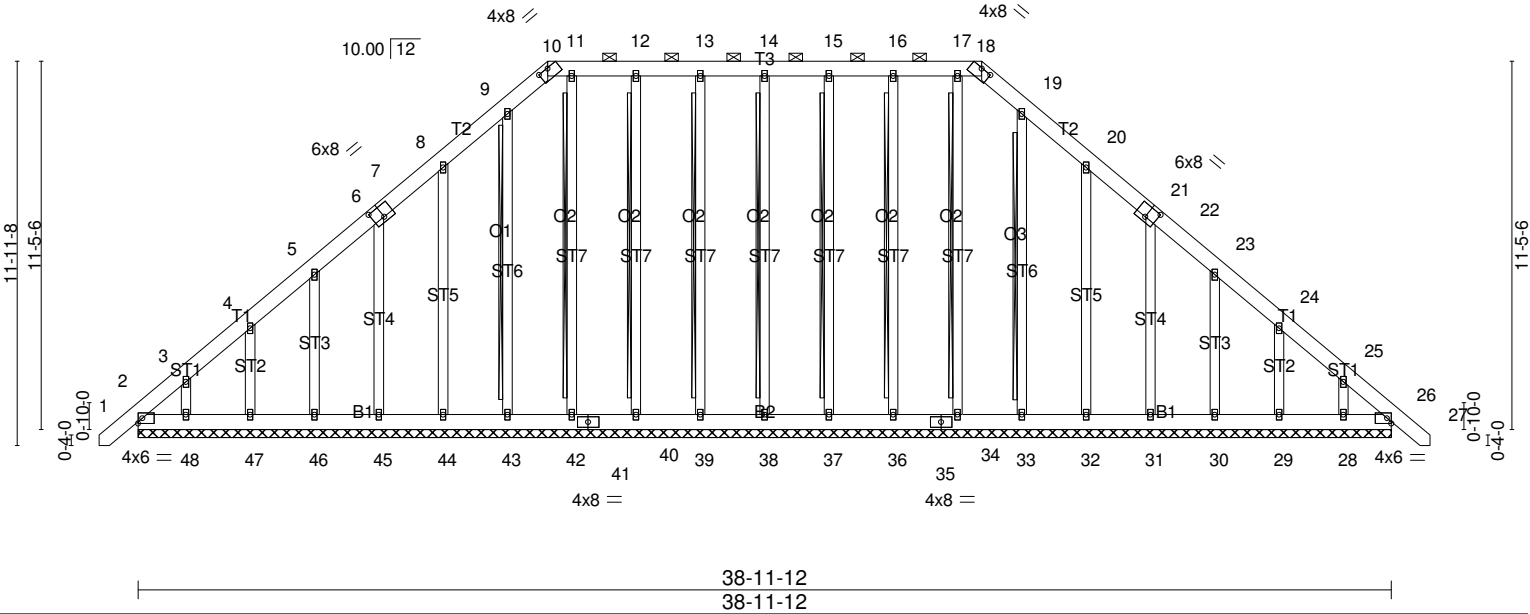


Plate Offsets (X,Y)-- [6:0-2-4,0-0-0], [7:0-4-0,0-4-4], [7:0-0-0,0-2-12], [10:0-4-0,0-0-4], [18:0-4-0,0-0-4], [21:0-4-0,0-4-4], [21:0-0-0,0-2-12], [22:0-2-4,0-0-0]

LOADING (psf)	SPACING-	CS.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) -0.00 26 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.22	Vert(CT) -0.00 26 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 26 n/a n/a		
	Code IRC2015/TPI2014				Weight: 413 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 10-18.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3 *Except*	WEBS T-Brace: 2x4 SPF No.2 - 14-38, 13-39, 12-40, 11-42, 9-43, 15-37, 16-36, 17-34, 19-33
ST7: 2x4 SP No.2	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.

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

REACTIONS. All bearings 38-11-12.
 (lb) - Max Horz 2=-346(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 26, 38, 39, 40, 42, 43, 37, 36, 34, 33 except 2=-146(LC 8), 44=-124(LC 12), 45=-113(LC 12), 46=-109(LC 12), 47=-116(LC 12), 48=-150(LC 12), 32=-127(LC 13), 31=-113(LC 13), 30=-109(LC 13), 29=-116(LC 13), 28=-138(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 26, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 37, 36, 34, 33, 31, 30, 29, 28 except 2=260(LC 21), 32=254(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-423/304, 3-4=-298/250, 8-9=-229/270, 9-10=-250/283, 10-11=-229/269, 11-12=-229/269, 12-13=-229/269, 13-14=-229/269, 14-15=-229/269, 15-16=-229/269, 16-17=-229/269, 17-18=-229/269, 18-19=-250/283, 19-20=-229/256, 25-26=-333/242
 BOT CHORD 2-48=-192/291, 47-48=-192/291, 46-47=-192/291, 45-46=-192/291, 44-45=-192/291, 43-44=-192/291, 42-43=-192/291, 40-42=-192/291, 39-40=-192/291, 38-39=-192/291, 37-38=-192/291, 36-37=-192/291, 34-36=-192/291, 33-34=-192/291, 32-33=-192/291, 31-32=-192/291, 30-31=-192/291, 29-30=-192/291, 28-29=-192/291, 26-28=-192/291

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 1-0-10 to 3-5-14, Exterior(2) 3-5-14 to 12-8-14, Corner(3) 12-8-14 to 30-7-11, Exterior(2) 30-7-11 to 40-0-6 zone; 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Continuous bottom chord bearing.

Job B1119-4875	Truss A1GE	Truss Type GABLE	Qty 1	Ply 1	Covington Res. / Harnett Co. Job Reference (optional)
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Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor

Run: 8.120 s Jun 27 2017 Print: 8.120 s Jun 27 2017 MiTek Industries, Inc. Fri Nov 1 15:22:48 2019 Page 2
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NOTES-

- 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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 38, 39, 40, 42, 43, 37, 36, 34, 33 except (jt=lb) 2=146, 44=124, 45=113, 46=109, 47=116, 48=150, 32=127, 31=113, 30=109, 29=116, 28=138.
- 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) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

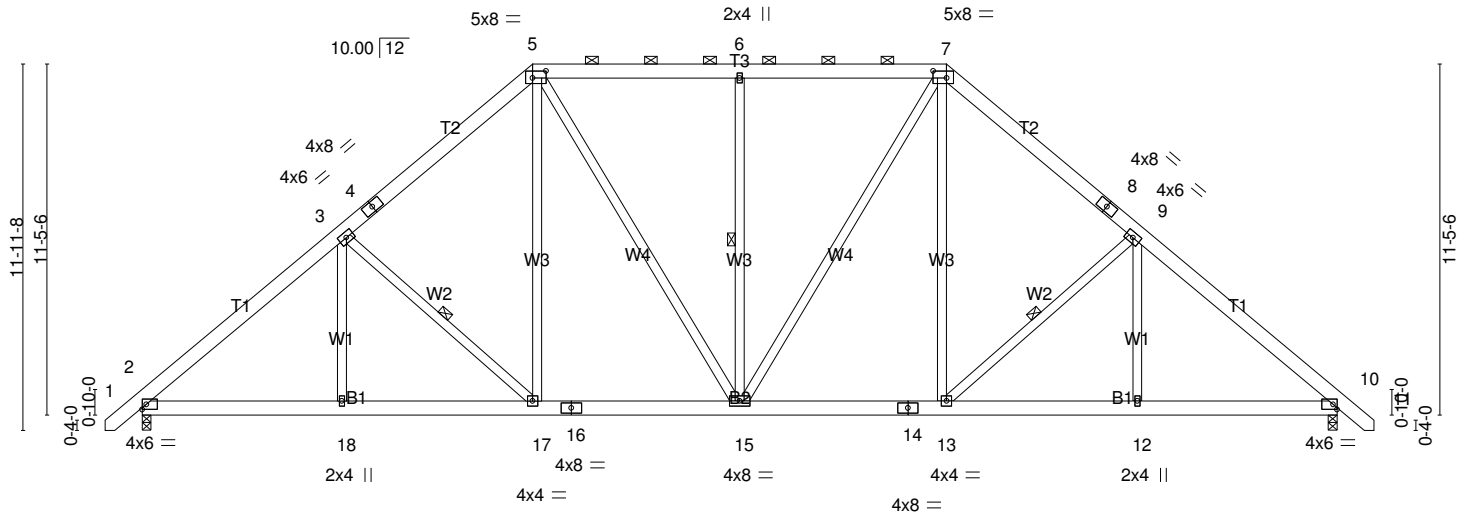
LOAD CASE(S) Standard

Job B1119-4875	Truss A2	Truss Type PIGGYBACK BASE	Qty 11	Ply 1	Covington Res. / Harnett Co.
Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor					Job Reference (optional)

Run: 8.120 s Jun 27 2017 Print: 8.120 s Jun 27 2017 MiTek Industries, Inc. Fri Nov 1 15:22:49 2019 Page 1
 ID:FLEzBBYGHVREw8Mz6q3UfyNY?K-BhEQxJmMEzvOghrc5wRdxftNf7W8j3?ROFKoClyNXtq

-1-2-8	6-6-3	12-8-14	19-5-14	26-2-14	32-5-9	38-11-12	40-2-4
1-2-8	6-6-3	6-2-11	6-9-0	6-9-0	6-2-11	6-6-3	1-2-8

Scale = 1:75.2



6-6-3	12-8-14	19-5-14	26-2-14	32-5-9	38-11-12
6-6-3	6-2-11	6-9-0	6-9-0	6-2-11	6-6-3

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.20	Vert(LL)	-0.06	13-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.28	Vert(CT)	-0.11	13-15	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.05	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.03	15	>999	240		
								Weight: 332 lb	FT = 20%	

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 W1,W2: 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-3-5 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-17, 6-15, 9-13

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

REACTIONS. (size) 2=0-3-8 (min. 0-1-15), 10=0-3-8 (min. 0-1-15)
 Max Horz 2=-276(LC 10)
 Max Uplift 2=-59(LC 12), 10=-59(LC 13)
 Max Grav 2=1619(LC 1), 10=1619(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2110/470, 3-5=-1778/537, 5-6=-1499/530, 6-7=-1499/530, 7-9=-1778/537, 9-10=-2110/470
 BOT CHORD 2-18=-213/1621, 17-18=-213/1621, 15-17=-87/1323, 13-15=-35/1286, 12-13=-217/1498, 10-12=-217/1498
 WEBS 3-18=0/271, 3-17=-527/247, 5-17=-88/500, 5-15=-149/482, 6-15=-441/222, 7-15=-149/482, 7-13=-88/501, 9-13=-527/247, 9-12=0/271

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -1-0-10 to 3-4-3, Interior(1) 3-4-3 to 12-8-14, Exterior(2) 12-8-14 to 32-5-9, Interior(1) 32-5-9 to 40-0-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
 - 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job B1119-4875	Truss PB	Truss Type Piggyback	Qty 11	Ply 1	Covington Res. / Harnett Co.
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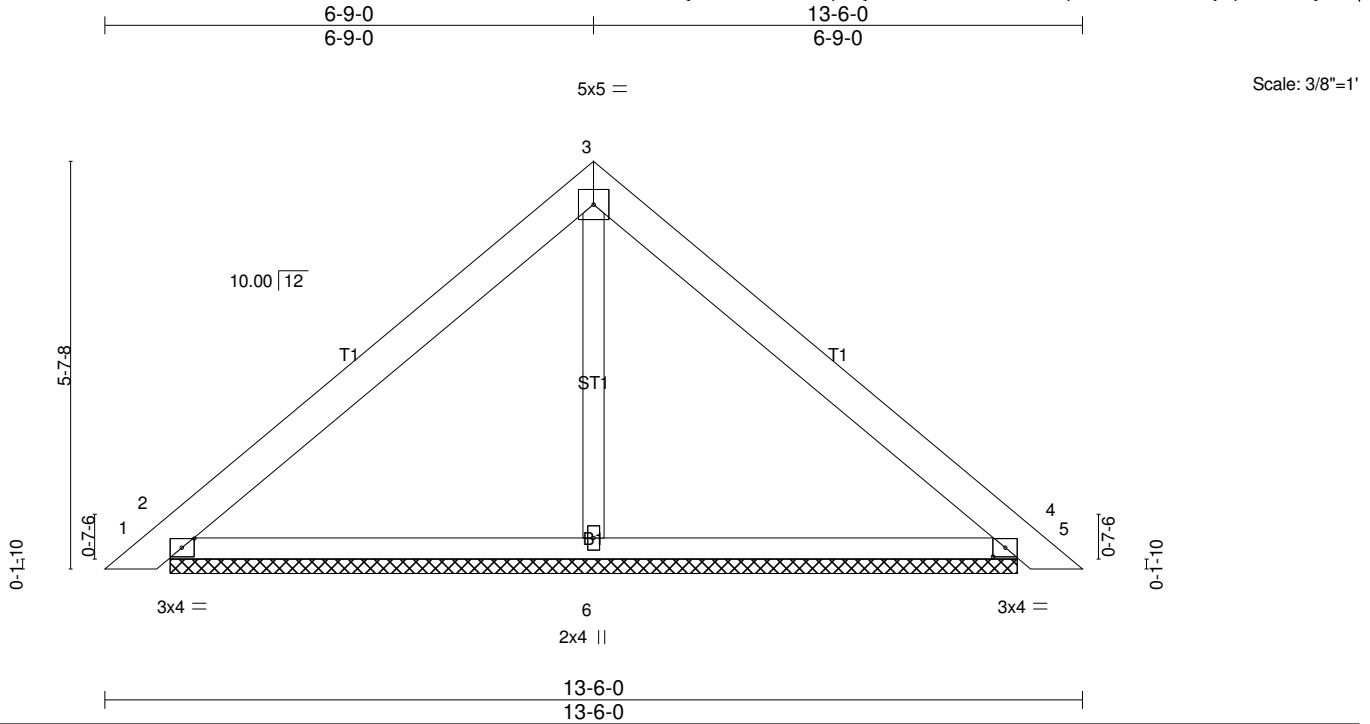


Plate Offsets (X,Y)-- [2:0-2-1,0-1-8], [4:0-2-1,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	Vert(LL)	0.01	5	n/r	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.23	Vert(CT)	0.01	5	n/r		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 65 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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

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

REACTIONS. (size) 2=11-8-5 (min. 0-1-8), 4=11-8-5 (min. 0-1-8), 6=11-8-5 (min. 0-1-8)
Max Horz 2=-128(LC 10)
Max Uplift 2=-42(LC 12), 4=-56(LC 13)
Max Grav 2=309(LC 1), 4=309(LC 1), 6=384(LC 1)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-5 to 4-9-2, Interior(1) 4-9-2 to 6-9-0, Exterior(2) 6-9-0 to 11-1-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - 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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
 - 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.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job B1119-4875	Truss PBE	Truss Type GABLE	Qty 1	Ply 1	Covington Res. / Harnett Co.
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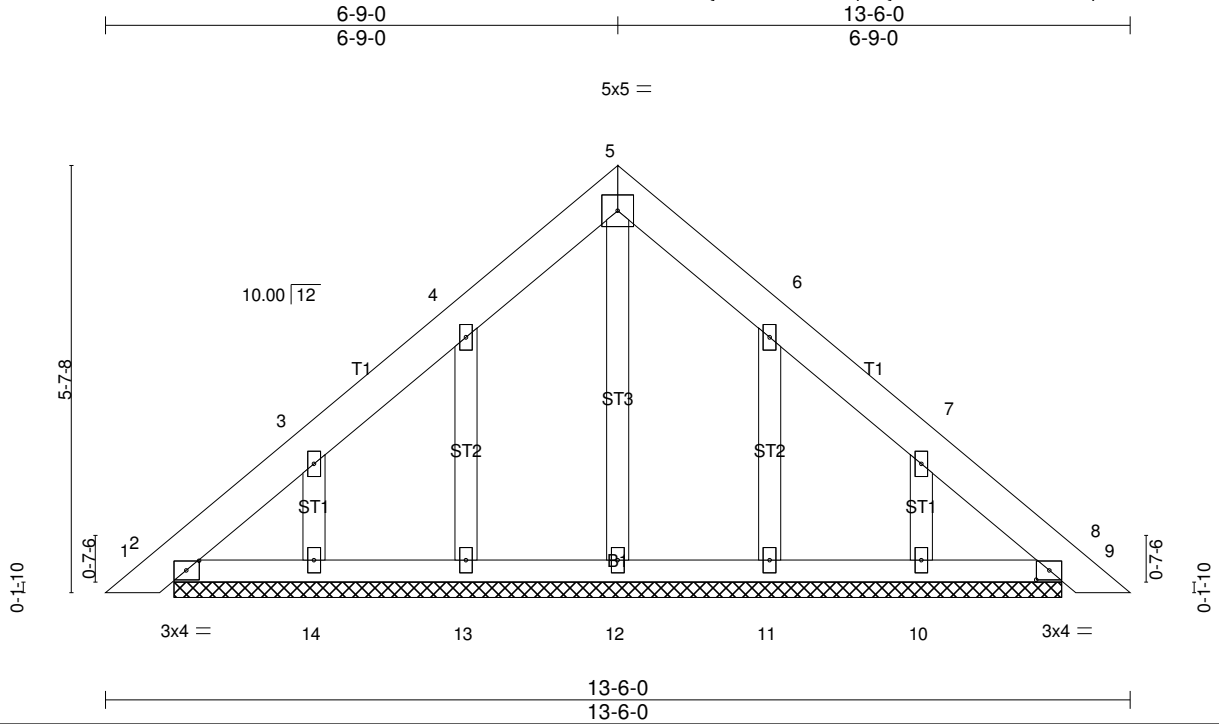


Plate Offsets (X,Y)-- [2:0-2-1,0-1-8], [8:0-2-1,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.02	Vert(LL) 0.00	8	n/r	120	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(CT) 0.00	8	n/r	120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Horz(CT) 0.00	8	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 79 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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

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

REACTIONS. All bearings 11-8-5.
(lb) - Max Horz 2=160(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11 except 13=102(LC 12),
14=133(LC 12), 10=132(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-5 to 4-9-0, Interior(1) 4-9-0 to 6-9-0, Exterior(2) 6-9-0 to 11-1-13 zone; 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.
 - 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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 11 except (jt=lb) 13=102, 14=133, 10=132.
 - 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.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard