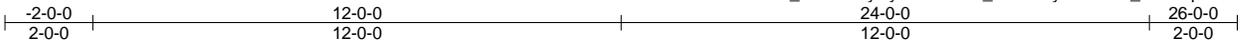


Job 162634	Truss A	Truss Type Common Supported Gable	Qty 1	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:56:47 2016 Page 1  
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4x4 =

Scale = 1:52.1

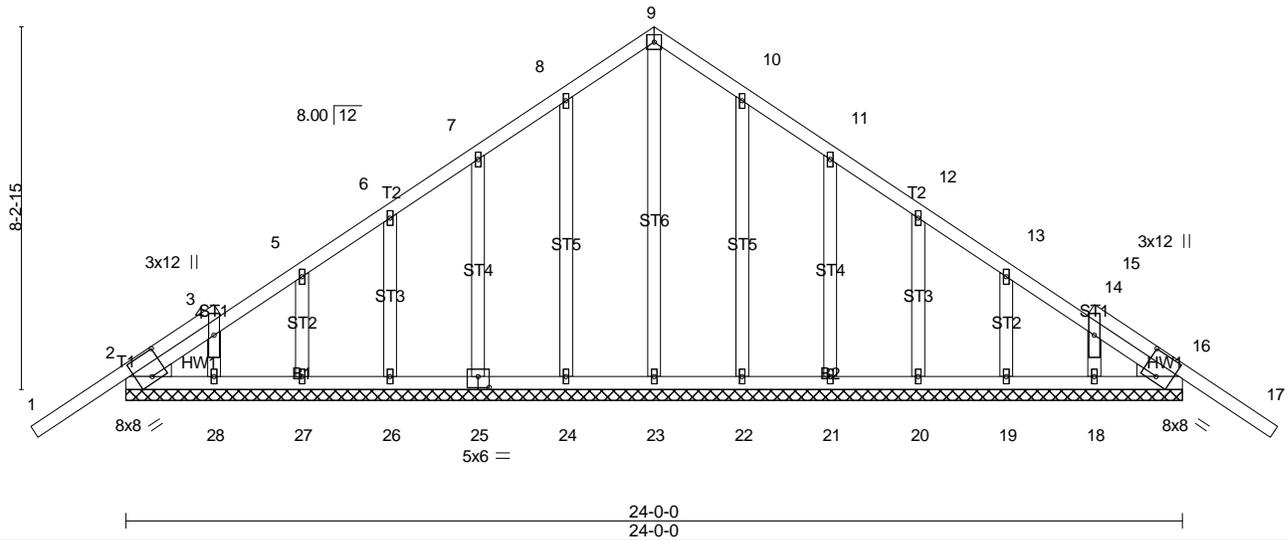


Plate Offsets (X,Y)-- [2:0-4-0,0-6-7], [16:0-4-0,0-6-7], [25:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.59	Vert(LL)	-0.11	17	n/r	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.12	Vert(TL)	-0.14	17	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.24	Horz(TL)	0.01	16	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Wind(LL)	0.06	17	n/r		
BCDL 10.0	Code IRC2009/TPI2007						Weight: 124 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 OTHERS 2x4 HF/SPF Stud/Std  
 WEDGE  
 Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
 TOP CHORD Sheathed or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

**REACTIONS.** All bearings 24-0-0.  
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) 24, 26, 22, 20 except 2=-201(LC 5), 16=-201(LC 5), 25=-111(LC 5), 27=-118(LC 5), 28=-159(LC 6), 21=-111(LC 5), 19=-118(LC 5), 18=-159(LC 6)  
 Max Grav All reactions 250 lb or less at joint(s) 23, 26, 27, 28, 20, 19, 18 except 2=555(LC 6), 16=555(LC 6), 24=301(LC 2), 25=264(LC 2), 22=301(LC 3), 21=264(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 WEBS 8-24=-261/95, 10-22=-261/95

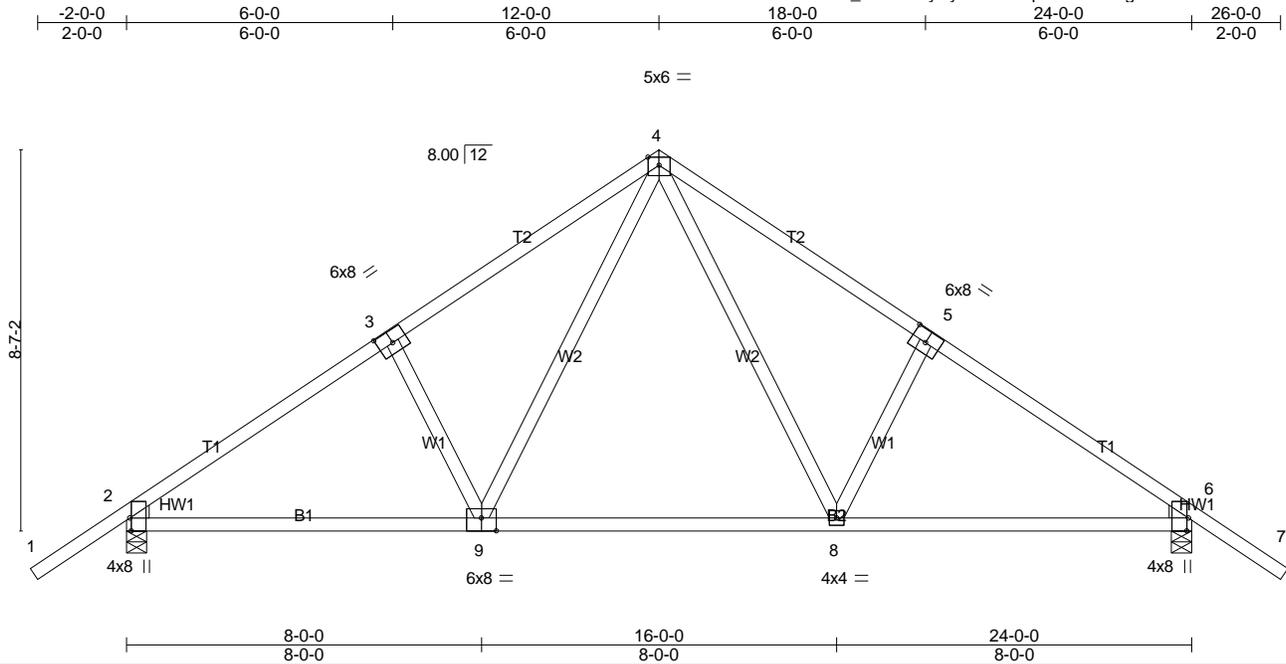
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 9-0-0, Corner(3) 9-0-0 to 12-0-0, Exterior(2) 15-0-0 to 23-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) Truss designed for wind loads in the plane 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 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 1.5x4 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 2-0-0 wide will fit between the bottom chord and any other members.
  - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 26, 22, 20 except (jt=lb) 2=201, 16=201, 25=111, 27=118, 28=159, 21=111, 19=118, 18=159.
  - 12) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss B	Truss Type Common	Qty 8	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:56:48 2016 Page 1  
ID:zMPGso65lxPaHV\_ZoL0KrhyDy3o-ne7v0p?w4eUzn6g58szr8BJ9sTz8AsPAIoH6TFyDNtD



Scale = 1:51.6

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.69	Vert(LL) -0.35	8-9	>814	360	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.91	Vert(TL) -0.57	8-9	>498	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.49	Horz(TL) 0.06	6	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)					Weight: 98 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std  
WEDGE  
Left: 2x4 HFSPF Stud/Std, Right: 2x4 HFSPF Stud/Std

**BRACING-**  
TOP CHORD Sheathed or 4-6-4 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) 2=1565/0-5-8 (min. 0-2-7), 6=1565/0-5-8 (min. 0-2-7)  
Max Uplift2=-539(LC 5), 6=-539(LC 5)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-2019/537, 3-10=-1804/578, 4-10=-1650/607, 4-11=-1650/607, 5-11=-1804/578, 5-6=-2019/537  
BOT CHORD 2-9=-237/1521, 9-12=-24/1052, 12-13=-24/1052, 8-13=-24/1052, 6-8=-237/1521  
WEBS 4-8=-236/815, 5-8=-378/248, 4-9=-236/815, 3-9=-378/248

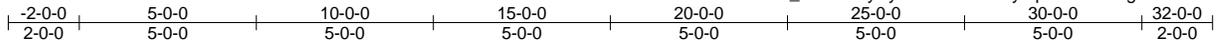
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 9-0-0, Corner(3) 9-0-0 to 12-0-0, Exterior(2) 15-0-0 to 23-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 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) except (jt=lb) 2=539, 6=539.
  - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
1) Dead + Snow (balanced) + Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-4=-80, 4-7=-80, 2-9=-20, 9-12=-50(F=-30), 12-13=-90(F=-30), 8-13=-50(F=-30), 6-8=-20

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	C	GABLE	1	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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4x6 =

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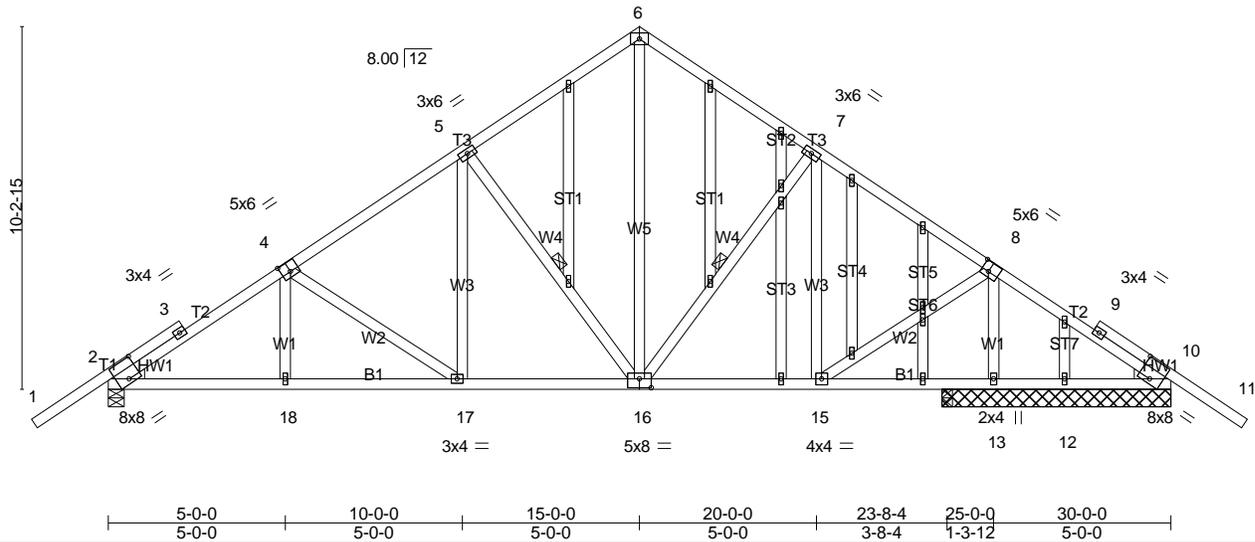


Plate Offsets (X,Y)-- [2:0-4-0,0-6-7], [4:0-3-0,0-3-4], [8:0-2-8,0-3-4], [10:0-4-0,0-6-7], [16:0-4-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0	TC 0.65	Vert(LL)	-0.06	17	>999	MT20	185/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.36	Vert(TL)	-0.12	17-18	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.62	Horz(TL)	0.04	14	n/a		
BCDL 10.0	Rep Stress Incr NO	(Matrix)						
	Code IRC2009/TPI2007						Weight: 187 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std  
 OTHERS 2x4 HF/SPF Stud/Std  
 WEDGE  
 Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
 TOP CHORD Sheathed or 4-10-1 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 7-16, 5-16

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

**REACTIONS.** All bearings 6-5-8 except (jt=length) 2=0-5-8, 14=0-3-8.  
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) 12, 14 except 13=-481(LC 5), 2=-515(LC 5), 10=-203(LC 5)  
 Max Grav All reactions 250 lb or less at joint(s) 12, 14 except 13=1502(LC 1), 2=1431(LC 2), 10=457(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1872/494, 3-4=-1791/519, 4-5=-1476/494, 5-6=-1030/457, 6-7=-964/457,  
 7-8=-918/352, 8-9=-40/386, 9-10=-65/265  
 BOT CHORD 2-18=-256/1496, 17-18=-256/1493, 16-17=-89/1144, 15-16=0/682, 12-13=-256/214,  
 10-12=-258/214  
 WEBS 6-16=-307/522, 7-16=-58/254, 7-15=-502/152, 8-15=-211/1025, 8-13=-1534/495,  
 5-16=-730/308, 5-17=-82/353, 4-17=-441/201

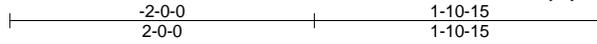
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 12-0-0, Corner(3) 12-0-0 to 15-0-0, Exterior(2) 18-0-0 to 29-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) Truss designed for wind loads in the 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 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 1.5x4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 14 except (jt=lb) 13=481, 2=515, 10=203.
  - 11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss CJ1	Truss Type Jack-Open	Qty 8	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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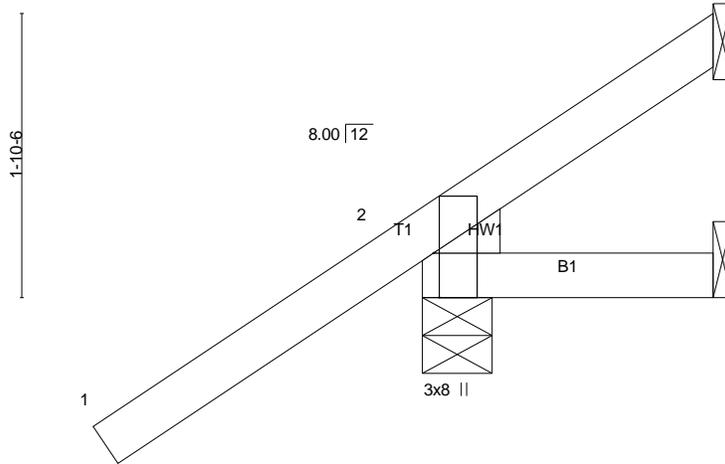


Plate Offsets (X,Y)-- [2:0-3-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.53	Vert(LL)	-0.00	2	>999	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.02	Vert(TL)	-0.00	2-4	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00	3	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)					Weight: 8 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEDGE  
Left: 2x4 HFSPF Stud/Std

BRACING-

TOP CHORD Sheathed or 1-10-15 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) 3=-23/Mechanical, 2=360/0-5-8 (min. 0-1-8), 4=19/Mechanical  
Max Horz 2=171(LC 5)  
Max Uplift 3=152(LC 6), 2=-258(LC 5)  
Max Grav 3=35(LC 5), 2=506(LC 6), 4=37(LC 4)

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

NOTES-

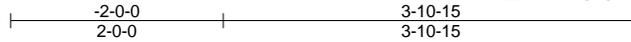
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 1-10-13; Lumber DOL=1.33 plate grip DOL=1.33
- 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 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 2-0-0 wide will fit between the bottom chord and any other members.
- 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) except (jt=lb) 3=152, 2=258.
- 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss CJ2	Truss Type Jack-Open	Qty 4	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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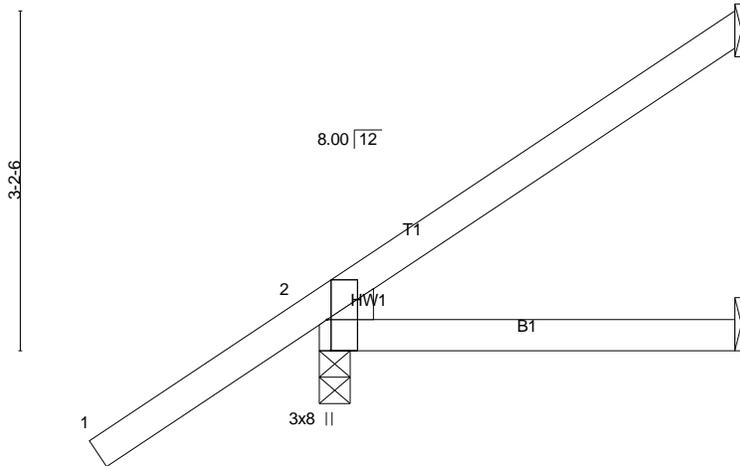


Plate Offsets (X,Y)-- [2:0-3-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.58	Vert(LL)	-0.01 2-4	>999	360	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.11	Vert(TL)	-0.03 2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00 3	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)					Weight: 13 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEDGE  
Left: 2x4 HFSPF Stud/Std

**BRACING-**  
TOP CHORD Sheathed or 3-10-15 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) 3=95/Mechanical, 2=417/0-3-8 (min. 0-1-8), 4=37/Mechanical  
Max Horz 2=241(LC 5)  
Max Uplift 3=-82(LC 5), 2=-225(LC 5)  
Max Grav 3=127(LC 2), 2=480(LC 6), 4=74(LC 4)

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

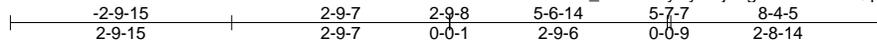
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 3-10-3; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
  - 3) Unbalanced 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 2.00 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 2-0-0 wide will fit between the bottom chord and any other members.
  - 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) 3 except (jt=lb) 2=225.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

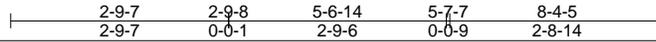
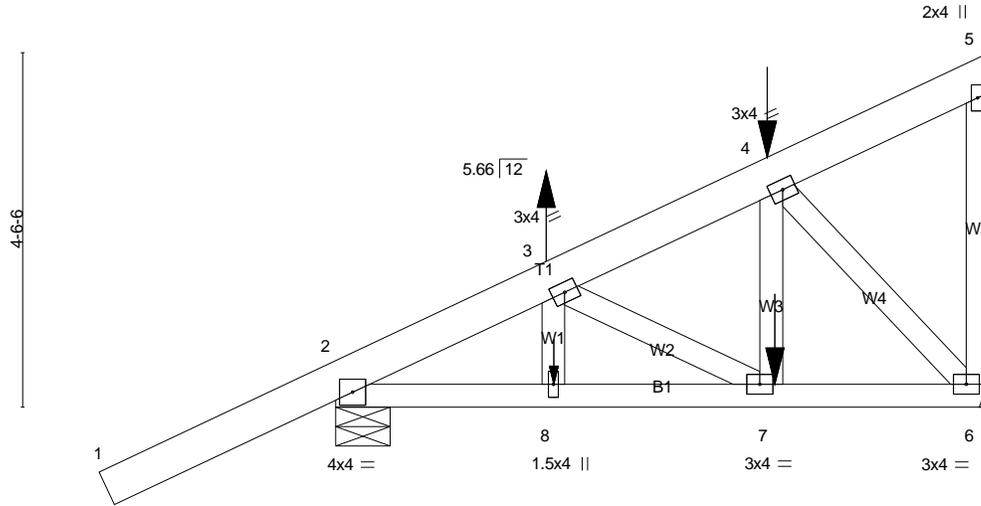
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	CJ3	Monopitch Girder	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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Scale = 1:29.3



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	TC 0.49 BC 0.06 WB 0.22 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.01 8 >999 360 Vert(TL) -0.01 7-8 >999 240 Horz(TL) 0.00 6 n/a n/a	MT20	185/144
TCDL 10.0				Weight: 48 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

**LUMBER-**  
 TOP CHORD 2x6 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std

**BRACING-**  
 TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 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=355/Mechanical, 2=680/0-8-6 (min. 0-1-8)  
 Max Horz 2=470(LC 5)  
 Max Uplift 6=-295(LC 5), 2=-631(LC 5)  
 Max Grav 6=432(LC 2), 2=707(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-428/184, 3-9=-330/0, 9-10=-307/2  
 BOT CHORD 2-8=-307/238, 7-8=-307/238, 6-7=-177/279  
 WEBS 3-7=-385/372, 4-6=-409/259

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-11-2 to 0-4-0, Exterior(2) 0-4-0 to 5-2-9, Corner(3) 5-2-9 to 8-2-9; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 2-0-0 wide will fit between the bottom chord and any other members.
  - 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) except (jt=lb) 6=295, 2=631.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 102 lb down and 144 lb up at 2-9-8, 102 lb down and 144 lb up at 2-9-8, and 77 lb down and 5 lb up at 5-7-7, and 77 lb down and 5 lb up at 5-7-7 on top chord, and at 2-9-8, at 2-9-8, and 17 lb down at 5-7-7, and 17 lb down at 5-7-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-5=-80, 2-6=-20

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	CJ3	Monopitch Girder	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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**LOAD CASE(S)** Standard

Concentrated Loads (lb)

Vert: 3=68(F=34, B=34) 7=-17(F=-9, B=-9) 4=-36(F=-18, B=-18)

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	CT1	Monopitch Girder	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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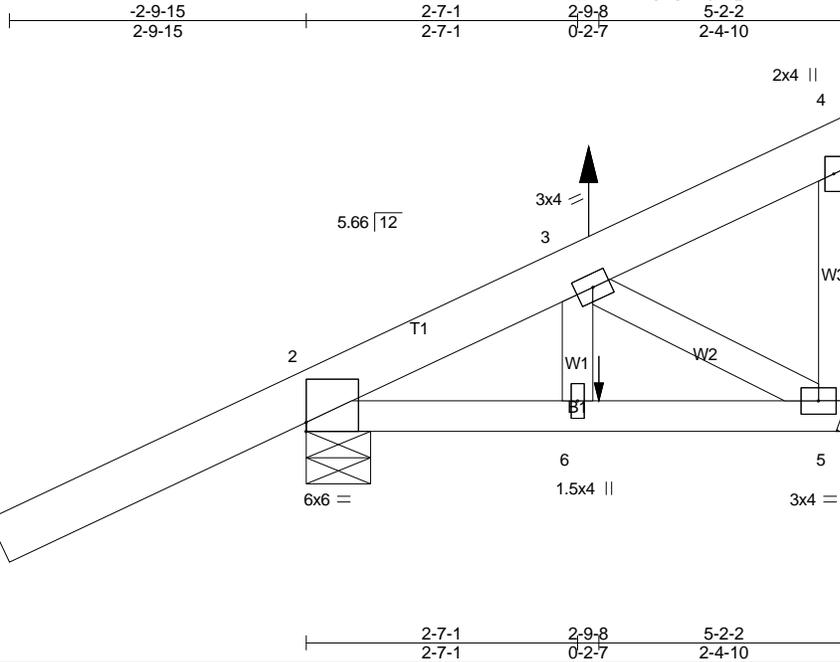


Plate Offsets (X,Y)-- [2:0-0-0,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.48 BC 0.06 WB 0.22 (Matrix)	Vert(LL) 0.00 Vert(TL) 0.00 Horz(TL) 0.00	6 6 5	>999 >999 n/a	360 240 n/a	MT20	185/144
TCDL 10.0	Rep Stress Incr YES						Weight: 29 lb	FT = 20%
BCLL 0.0 *	Code IRC2009/TPI2007							
BCDL 10.0								

**LUMBER-**  
 TOP CHORD 2x6 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std

**BRACING-**  
 TOP CHORD Sheathed or 5-2-2 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 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=115/Mechanical, 2=548/0-7-6 (min. 0-1-8)  
 Max Horz 2=413(LC 5)  
 Max Uplift 5=126(LC 5), 2=723(LC 5)  
 Max Grav 5=167(LC 2), 2=667(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-7=-440/169, 7-8=-434/181, 3-8=-432/191  
 BOT CHORD 2-6=-321/355, 5-6=-321/355  
 WEBS 3-5=-410/371

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-11-2 to 0-3-11, Exterior(2) 0-3-11 to 2-0-6, Corner(3) 2-0-6 to 5-0-6; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 2-0-0 wide will fit between the bottom chord and any other members.
  - 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) except (jt=lb) 5=126, 2=723.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 150 lb down and 167 lb up at 2-9-8, and 150 lb down and 167 lb up at 2-9-8 on top chord, and at 2-9-8, and at 2-9-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-4=-80, 2-5=-20

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	CT1	Monopitch Girder	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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**LOAD CASE(S)** Standard  
Concentrated Loads (lb)  
Vert: 3=68(F=34, B=34)

Job 162634	Truss D	Truss Type Common	Qty 4	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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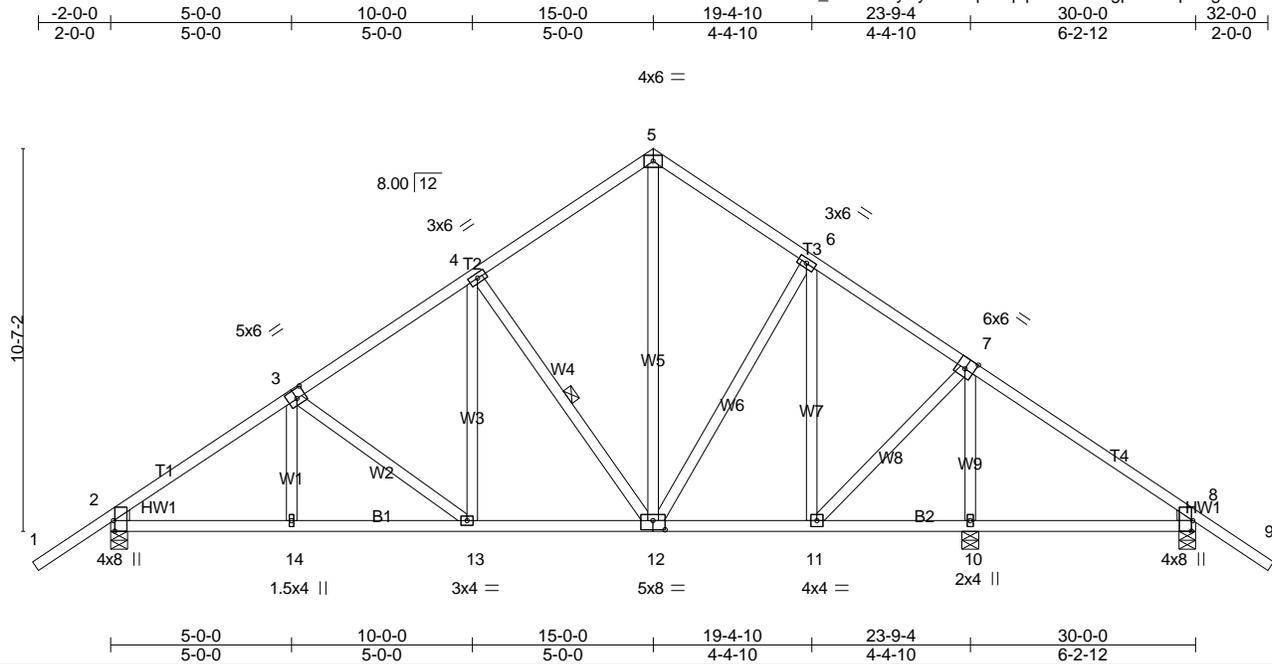


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-3-0,0-3-0], [7:0-3-0,Edge], [8:0-3-8,Edge], [12:0-4-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.62	Vert(LL) 0.06	8-10	>999	360	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.37	Vert(TL) -0.12	12-13	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.65	Horz(TL) 0.04	10	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)					Weight: 152 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std  
 WEDGE

Left: 2x4 HFSPF Stud/Std, Right: 2x4 HFSPF Stud/Std

**BRACING-**

TOP CHORD Sheathed or 5-2-4 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 4-12

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

**REACTIONS.** (lb/size) 2=1391/0-5-8 (min. 0-2-4), 10=1609/0-5-8 (min. 0-2-8), 8=412/0-5-8 (min. 0-1-8)  
 Max Uplift2=-503(LC 5), 10=-453(LC 5), 8=-234(LC 5)  
 Max Grav2=1442(LC 2), 10=1609(LC 1), 8=466(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1782/453, 3-4=-1413/454, 4-5=-972/428, 5-6=-871/431, 6-15=-609/333, 7-15=-788/312  
 BOT CHORD 2-14=-181/1325, 13-14=-182/1324, 13-16=-44/1095, 12-16=-44/1095, 11-12=0/570  
 WEBS 3-13=-310/171, 4-13=-76/366, 4-12=-755/303, 5-12=-283/460, 6-12=0/362, 6-11=-553/128, 7-11=-142/853, 7-10=-1473/484

**NOTES-**

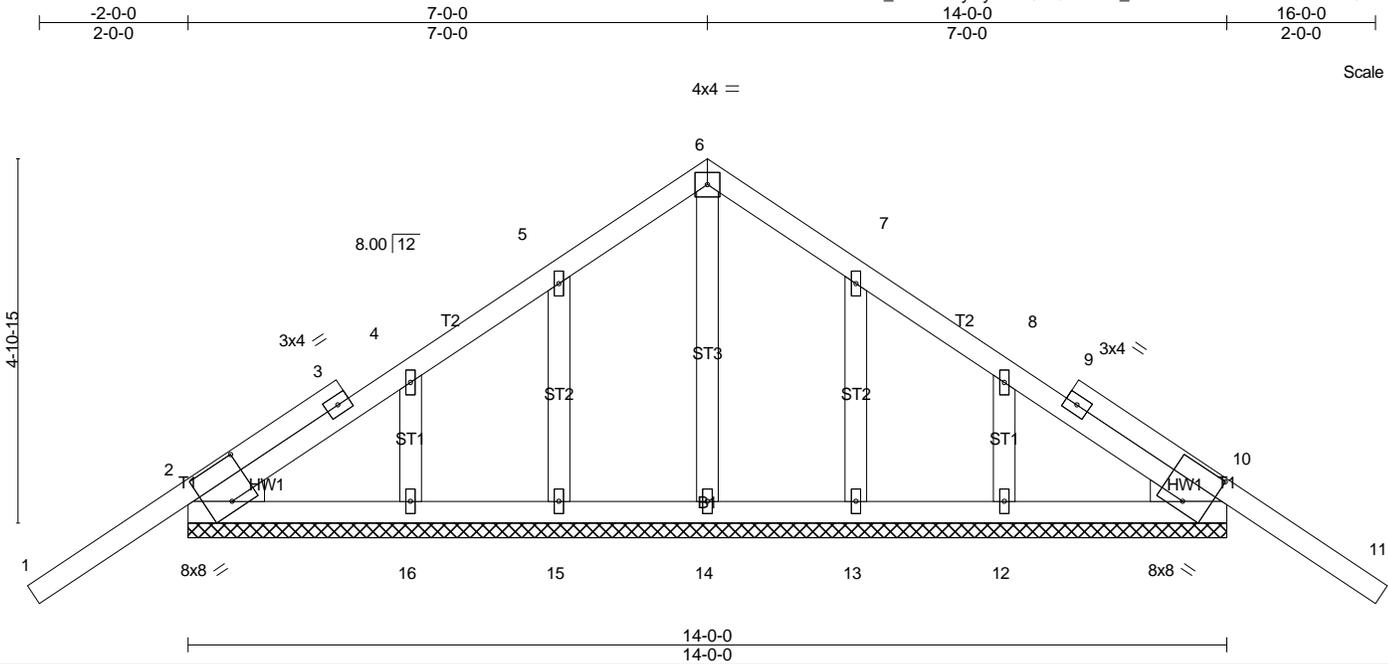
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 12-0-0, Corner(3) 12-0-0 to 15-0-0, Exterior(2) 18-0-0 to 29-1-0; Lumber DOL=1.33 plate grip DOL=1.33
- 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 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) except (jt=lb) 2=503, 10=453, 8=234.
- 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss E	Truss Type Common Supported Gable	Qty 1	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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Scale = 1:30.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0	TC 0.59	Vert(LL)	-0.12	11	n/r	MT20	185/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(TL)	-0.15	11	n/r		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(TL)	0.00	10	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Wind(LL)	0.06	11	n/r		
	Code IRC2009/TPI2007						Weight: 63 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 OTHERS 2x4 HF/SPF Stud/Std  
 WEDGE  
 Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
 TOP CHORD Sheathed 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 14-0-0.  
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) 16, 12 except 2=-252(LC 5), 10=-252(LC 5), 15=-121(LC 5), 13=-121(LC 5)  
 Max Grav All reactions 250 lb or less at joint(s) 14, 16, 12 except 2=514(LC 6), 10=514(LC 6), 15=279(LC 2), 13=279(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 4-0-0, Corner(3) 4-0-0 to 7-0-0, Exterior(2) 10-0-0 to 13-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 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 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 1.5x4 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 2-0-0 wide will fit between the bottom chord and any other members.
  - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 12 except (jt=lb) 2=252, 10=252, 15=121, 13=121.
  - 12) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss F	Truss Type Common	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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4x4 =

Scale: 3/8"=1'

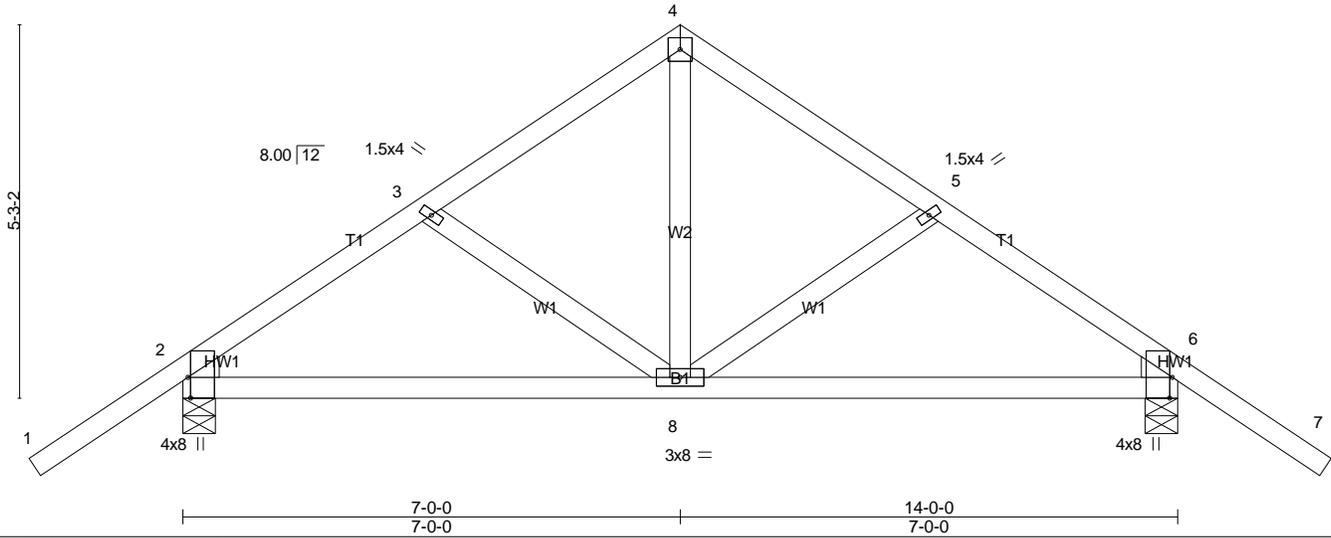


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [6:0-3-8,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.29	Vert(LL) 0.05 6-8 >999 360		
TCDL 10.0	Lumber DOL 1.15	WB 0.19	Vert(TL) -0.09 2-8 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 6 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 57 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std  
WEDGE  
Left: 2x4 HFSPF Stud/Std, Right: 2x4 HFSPF Stud/Std

**BRACING-**  
TOP CHORD Sheathed 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=862/0-5-8 (min. 0-1-8), 6=862/0-5-8 (min. 0-1-8)  
Max Uplift2=-362(LC 5), 6=-362(LC 5)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-833/227, 3-9=-618/190, 4-9=-506/207, 4-10=-506/207, 5-10=-618/190, 5-6=-833/227  
BOT CHORD 2-8=-8/585, 6-8=-8/585  
WEBS 4-8=-59/342

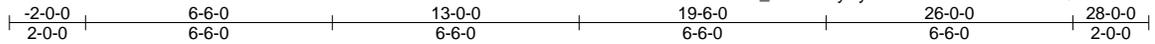
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 4-0-0, Corner(3) 4-0-0 to 7-0-0, Exterior(2) 10-0-0 to 13-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 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) except (jt=lb) 2=362, 6=362.
  - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss G	Truss Type Common Structural Gable	Qty 1	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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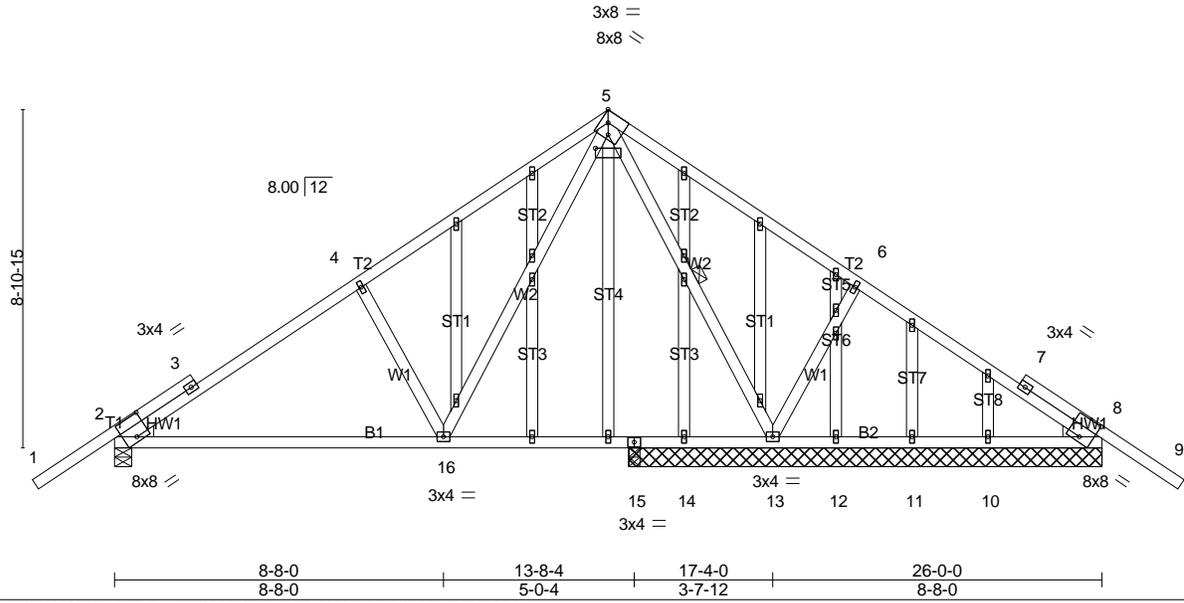


Plate Offsets (X,Y)-- [2:0-4-0,0-6-7], [5:Edge,0-3-8], [5:0-4-0,0-4-5], [8:0-4-0,0-6-7]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.64 BC 0.38 WB 0.56 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 2-16 >999 360 Vert(TL) -0.29 2-16 >610 240 Horz(TL) 0.02 13 n/a n/a	MT20	185/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2009/TPI2007			Weight: 157 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std  
OTHERS 2x4 HF/SPF Stud/Std  
WEDGE  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
TOP CHORD Sheathed or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS 1 Row at midpt 5-13

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

**REACTIONS.** All bearings 12-5-8 except (jt=length) 2=0-5-8.  
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 10 except 2=388(LC 5), 8=235(LC 5), 13=478(LC 5)  
Max Grav All reactions 250 lb or less at joint(s) 12, 11, 10 except 2=1068(LC 2), 8=522(LC 6), 13=1220(LC 1), 14=302(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1188/264, 3-4=-949/297, 4-31=-978/330, 5-31=-780/361, 5-32=-8/415  
BOT CHORD 2-16=-47/914, 16-33=0/299, 15-33=0/299, 14-15=0/299, 14-34=0/299, 13-34=0/299  
WEBS 5-13=-1033/257, 6-13=-525/292, 5-16=-238/776, 4-16=-560/294

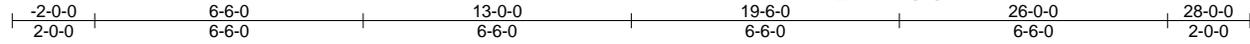
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 10-0-0, Corner(3) 10-0-0 to 13-0-0, Exterior(2) 16-0-0 to 25-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) Truss designed for wind loads in the 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 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 1.5x4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=388, 8=235, 13=478.
  - 11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss H1	Truss Type Roof Special	Qty 3	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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6x6 ≡

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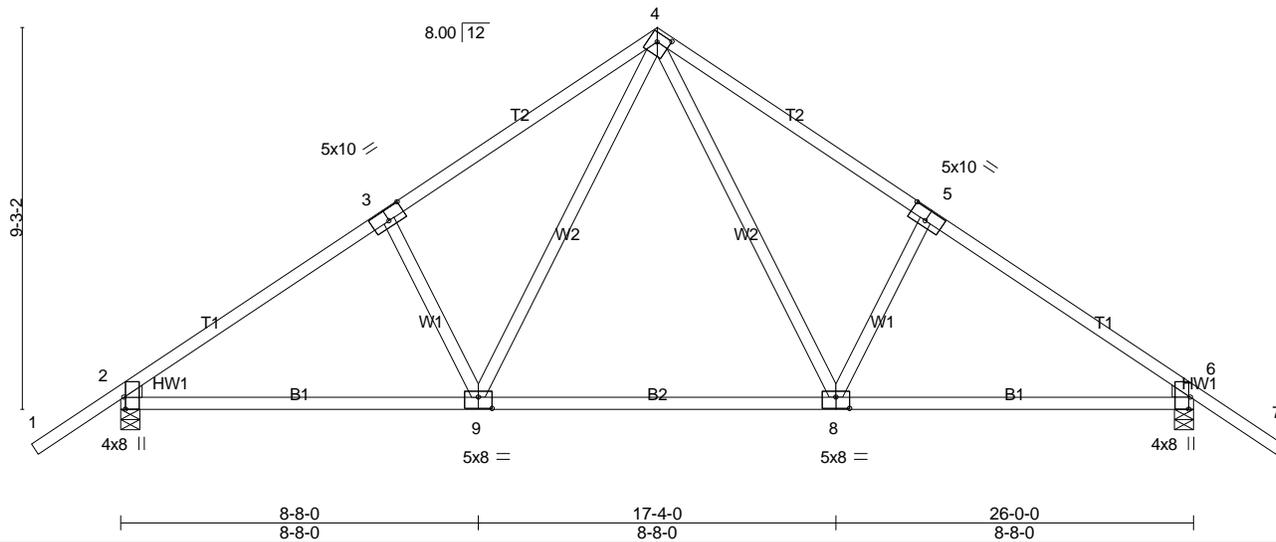


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-5-0,0-3-4], [4:0-3-8,0-2-8], [5:0-5-0,0-3-4], [6:0-3-8,Edge], [8:0-4-0,0-3-4], [9:0-4-0,0-3-4]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0	2-0-0	TC 0.63	in (loc) l/defl L/d	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.62	Vert(LL) -0.32 8-9 >954 360		
TCDL 10.0	Lumber DOL 1.15	WB 0.46	Vert(TL) -0.46 8-9 >667 240		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 6 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 106 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std  
 WEDGE  
 Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
 TOP CHORD Sheathed or 4-4-3 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=1558/0-5-8 (min. 0-2-7), 6=1558/0-5-8 (min. 0-2-7)  
 Max Uplift2=-533(LC 5), 6=-533(LC 5)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1979/519, 3-10=-1751/565, 4-10=-1580/597, 4-11=-1580/597, 5-11=-1751/565,  
 5-6=-1979/519  
 BOT CHORD 2-9=-217/1491, 9-12=0/1020, 12-13=0/1020, 8-13=0/1020, 6-8=-217/1491  
 WEBS 4-8=-220/761, 5-8=-440/281, 4-9=-220/761, 3-9=-440/281

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 10-0-0, Corner(3) 10-0-0 to 13-0-0, Exterior(2) 16-0-0 to 25-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 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) except (jt=lb) 2=533, 6=533.
  - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss H2	Truss Type Roof Special	Qty 1	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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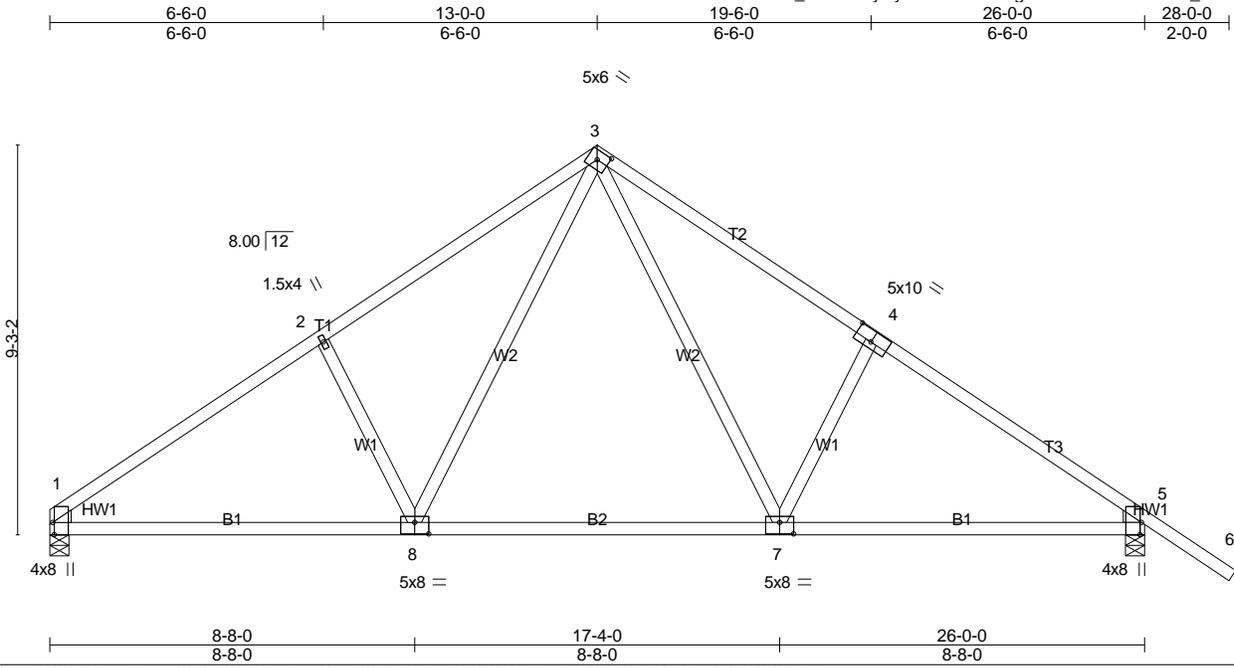


Plate Offsets (X,Y)-- [1:0-3-8,Edge], [3:0-3-4,0-2-8], [4:0-5-0,0-3-4], [5:0-3-8,Edge], [7:0-4-0,0-3-4], [8:0-4-0,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.65	Vert(LL) -0.31	7-8	>995	360	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.62	Vert(TL) -0.44	7-8	>697	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.54	Horz(TL) 0.06	5	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)					Weight: 103 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std  
WEDGE  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
TOP CHORD Sheathed or 4-4-7 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) 1=1365/0-5-8 (min. 0-2-2), 5=1567/0-5-8 (min. 0-2-7)  
Max Horz 1=-79(LC 5)  
Max Uplift 1=-384(LC 5), 5=-541(LC 5)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-2015/554, 2-9=-1792/605, 3-9=-1595/636, 3-10=-1593/610, 4-10=-1737/588,  
4-5=-1977/532  
BOT CHORD 1-8=-256/1530, 8-11=-9/1032, 11-12=-9/1032, 7-12=-9/1032, 5-7=-228/1480  
WEBS 3-7=-216/740, 4-7=-420/283, 3-8=-262/805, 2-8=-462/302

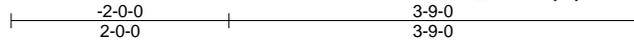
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) 0-2-12 to 3-2-12, Exterior(2) 3-2-12 to 10-0-0, Corner(3) 10-0-0 to 13-0-0, Exterior(2) 16-0-0 to 25-1-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 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) except (jt=lb) 1=384, 5=541.
  - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss J1	Truss Type Jack-Open	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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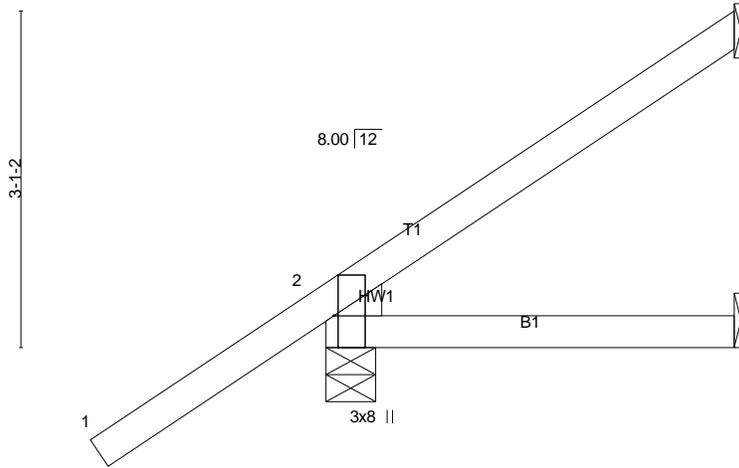


Plate Offsets (X,Y)-- [2:0-3-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.62	Vert(LL) -0.01	2-4	>999	360	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.09	Vert(TL) -0.02	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)					Weight: 13 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEDGE  
Left: 2x4 HFSPF Stud/Std

**BRACING-**  
TOP CHORD Sheathed or 3-9-0 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) 3=77/Mechanical, 2=419/0-5-8 (min. 0-1-8), 4=35/Mechanical  
Max Horz 2=235(LC 5)  
Max Uplift 3=-73(LC 6), 2=-235(LC 5)  
Max Grav 3=106(LC 2), 2=501(LC 6), 4=69(LC 4)

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

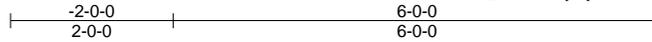
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 3-8-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
  - 3) Unbalanced 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 2.00 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 2-0-0 wide will fit between the bottom chord and any other members.
  - 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) 3 except (jt=lb) 2=235.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job 162634	Truss J2	Truss Type Jack-Open	Qty 32	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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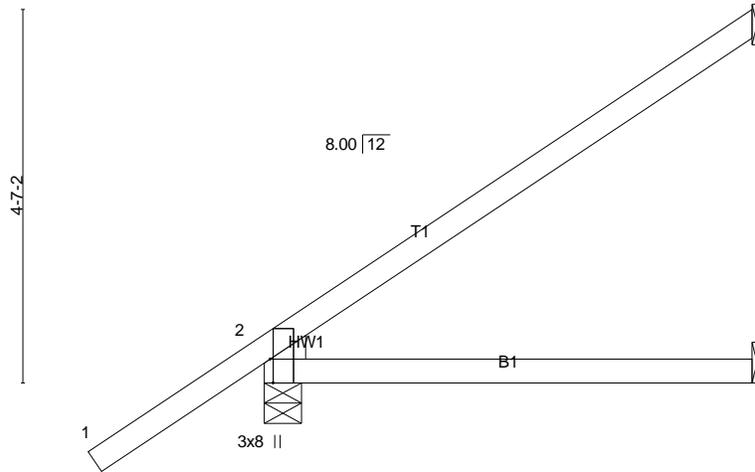


Plate Offsets (X,Y)-- [2:0-3-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.62	Vert(LL)	-0.06	2-4	>999	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.28	Vert(TL)	-0.15	2-4	>461		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00	3	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)					Weight: 19 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEDGE  
Left: 2x4 HFSPF Stud/Std

**BRACING-**  
TOP CHORD Sheathed 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) 3=191/Mechanical, 2=508/0-5-8 (min. 0-1-8), 4=57/Mechanical  
Max Horz 2=313(LC 5)  
Max Uplift 3=169(LC 5), 2=223(LC 5)  
Max Grav 3=252(LC 2), 2=528(LC 2), 4=114(LC 4)

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

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 5-11-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 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 2-0-0 wide will fit between the bottom chord and any other members.
  - 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) except (jt=lb) 3=169, 2=223.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard



Job 162634	Truss K	Truss Type ROOF SPECIAL GIRDER	Qty 1	Ply 3	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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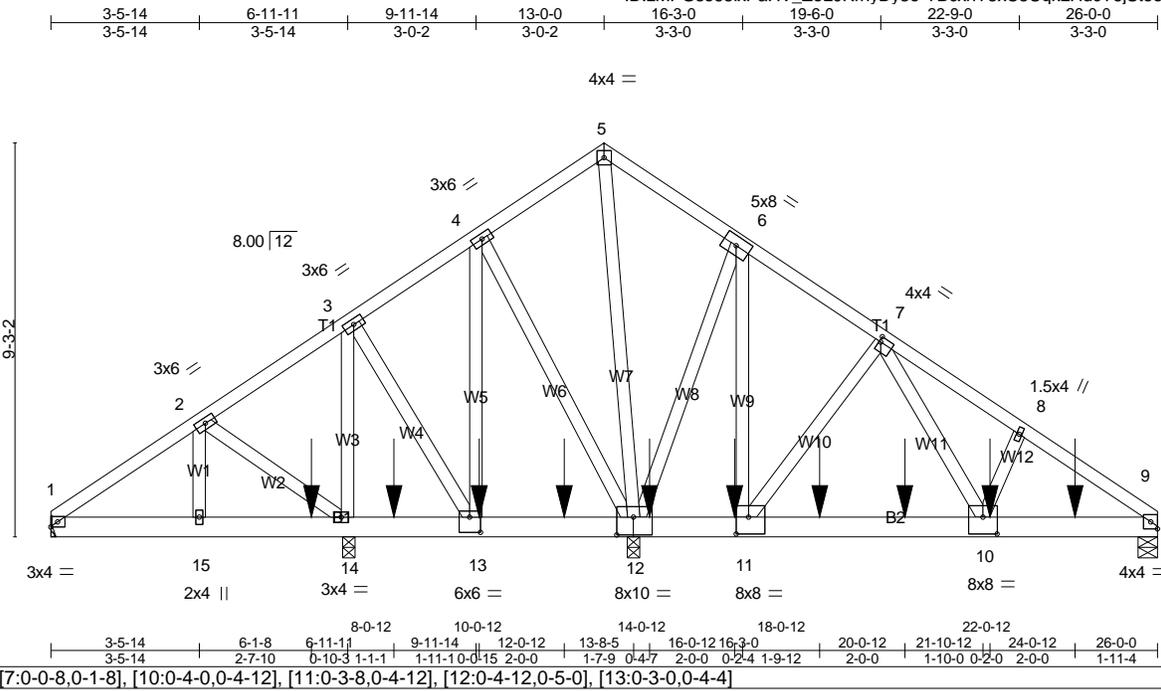


Plate Offsets (X,Y)--	[7:0-0-8,0-1-8], [10:0-4-0,0-4-12], [11:0-3-8,0-4-12], [12:0-4-12,0-5-0], [13:0-3-0,0-4-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.17	Vert(LL)	-0.13 10-11	>999	360	MT20	185/144
(Roof Snow=30.0)	Lumber DOL	1.15	BC 0.61	Vert(TL)	-0.21 10-11	>698	240		
TCDL 10.0	Rep Stress Incr	NO	WB 0.79	Horz(TL)	0.01 9	n/a	n/a		
BCLL 0.0 *	Code IRC2009/TPI2007		(Matrix)						
BCDL 10.0								Weight: 470 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x6 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std \*Except\*  
 W9,W11: 2x4 HF Stud

**BRACING-**  
 TOP CHORD Sheathed or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** All bearings 0-3-8 except (jt=length) 12=0-6-4 (input: 0-3-8), 1=Mechanical, 9=0-5-8.  
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) except 1=402(LC 3), 9=627(LC 5), 14=-1116(LC 5), 12=-1709(LC 5)  
 Max Grav All reactions 250 lb or less at joint(s) 1 except 9=4788(LC 3), 14=5456(LC 2), 12=12012(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-48/737, 2-3=-193/1334, 3-16=-65/764, 4-16=-51/802, 4-5=-139/1891, 5-6=-168/2130,  
 6-17=-343/107, 7-17=-487/98, 7-8=-6249/869, 8-9=-6467/828  
 BOT CHORD 1-15=-563/88, 15-18=-563/88, 14-18=-563/88, 14-19=-1060/325, 13-19=-1060/325,  
 13-20=-636/319, 12-20=-636/319, 12-21=0/356, 11-21=0/356, 11-22=-155/2223,  
 22-23=-155/2223, 10-23=-155/2223, 10-24=-594/5054, 9-24=-594/5054  
 WEBS 2-15=-120/515, 2-14=-743/292, 3-14=-1319/198, 3-13=-10/896, 4-13=-215/2079,  
 4-12=-1975/319, 5-12=-2394/278, 6-12=-5717/882, 6-11=-846/6301, 7-11=-3207/568,  
 7-10=-863/6273, 8-10=0/383

- NOTES-**
- 3-ply truss to be connected together as follows:  
 Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.  
 Bottom chords connected with 10d (0.148"x3") nails as follows: 2x6 - 3 rows staggered at 0-4-0 oc.  
 Web connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
  - 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.
  - Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) 0-0-12 to 3-0-12, Exterior(2) 3-0-12 to 9-11-14, Corner(3) 9-11-14 to 13-0-0, Exterior(2) 16-3-0 to 22-9-4; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
  - Unbalanced snow loads have been considered for this design.
  - 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 2-0-0 wide will fit between the bottom chord and any other members.
  - WARNING: Required bearing size at joint(s) 12 greater than input bearing size.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 402 lb uplift at joint 1, 627 lb uplift at joint 9, 1116 lb uplift at joint 14 and 1709 lb uplift at joint 12.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job 162634	Truss K	Truss Type ROOF SPECIAL GIRDER	Qty 1	Ply 3	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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ID:zMPGso65lxPaHV\_ZoL0KrhyDy3o-YBcxhY5xC5UqkLHdcY6jSteerhmY2PgL82DXInyDNt5

**NOTES-**

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2608 lb down and 650 lb up at 6-1-8, 1638 lb down and 212 lb up at 8-0-12, 1866 lb down and 212 lb up at 10-0-12, 1950 lb down and 213 lb up at 12-0-12, 1487 lb down and 187 lb up at 14-0-12, 1436 lb down and 177 lb up at 16-0-12, 2007 lb down and 226 lb up at 18-0-12, 2060 lb down and 253 lb up at 20-0-12, and 2113 lb down and 261 lb up at 22-0-12, and 2151 lb down and 265 lb up at 24-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

1) Dead + Snow (balanced) + Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-5=-80, 5-9=-80, 1-9=-20

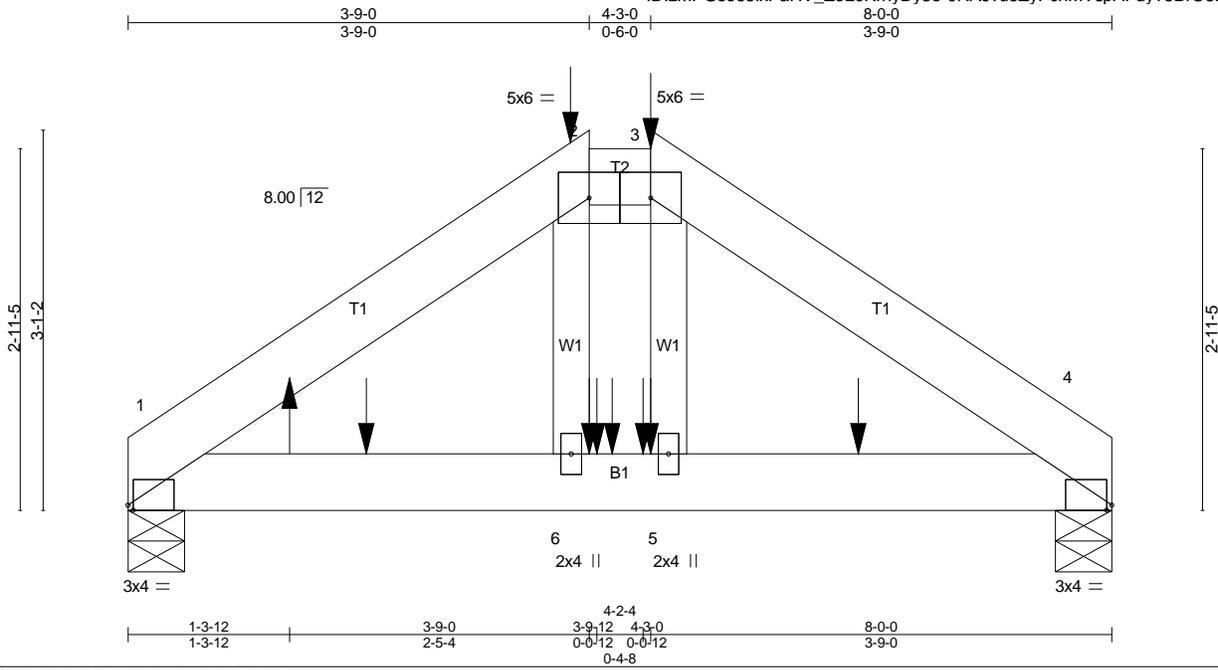
Concentrated Loads (lb)

Vert: 13=-1866(B) 11=-1436(B) 10=-2113(B) 18=-2608(B) 19=-1638(B) 20=-1950(B) 21=-1487(B) 22=-2007(B) 23=-2060(B) 24=-2151(B)

Job 162634	Truss L	Truss Type Hip Girder	Qty 1	Ply 2	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:56:57 2016 Page 1  
ID:zMPGso65lxPaHV\_ZoL0KrhYdy3o-0NAJvu6ZyPchMVspAFdy?5BrO5Djn0tVNiy4HDyDNt4



Scale = 1:18.6

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

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2009/TPI2007	TC 0.06 BC 0.13 WB 0.15 (Matrix)	Vert(LL) -0.01 Vert(TL) -0.01 Horz(TL) 0.00	6 4-5 4	>999 >999 n/a	360 240 n/a	MT20	185/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0							Weight: 75 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x6 SPF 1650F 1.5E  
BOT CHORD 2x6 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std

**BRACING-**  
TOP CHORD Sheathed or 6-0-0 oc purlins, except  
2-0-0 oc purlins (6-0-0 max.): 2-3.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 1=945/0-5-8 (min. 0-1-8), 4=965/0-5-8 (min. 0-1-8)  
Max Uplift1=-270(LC 5), 4=-258(LC 5)  
Max Grav 1=1143(LC 11), 4=1162(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-7=-1490/350, 7-8=-1370/351, 2-8=-1248/361, 2-3=-1101/348, 3-9=-1295/361, 9-10=-1370/351, 4-10=-1490/350  
BOT CHORD 1-11=-223/1130, 11-12=-223/1130, 6-12=-223/1130, 6-13=-217/1101, 5-13=-217/1101, 5-14=-223/1130, 4-14=-223/1130  
WEBS 2-6=-107/506, 3-5=-101/512

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 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.
  - 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.
  - Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) 0-2-12 to 3-2-12, Exterior(2) 3-2-12 to 4-9-4, Corner(3) 4-9-4 to 7-9-4; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - Unbalanced snow loads have been considered for this design.
  - Provide adequate drainage to prevent water ponding.
  - 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 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 270 lb uplift at joint 1 and 258 lb uplift at joint 4.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 57 lb down and 7 lb up at 3-9-0, and 57 lb down and 7 lb up at 4-3-0 on top chord, and 25 lb down and 422 lb up at 1-3-12, 282 lb down and 13 lb up at 1-11-4, 153 lb down and 89 lb up at 3-9-0, 282 lb down and 13 lb up at 3-11-4, and 153 lb down and 89 lb up at 4-2-4, and 282 lb down and 13 lb up at 5-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

Job 162634	Truss L	Truss Type Hip Girder	Qty 1	Ply 2	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:56:57 2016 Page 2  
ID:zMPGso65lxPaHV\_ZoL0KrhyDy3o-0NAJvu6ZyPchMVspAFdy?5BrO5Djn0tVNiy4HDyDNt4

**LOAD CASE(S)** Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-80, 2-3=-80, 3-4=-80, 1-4=-20

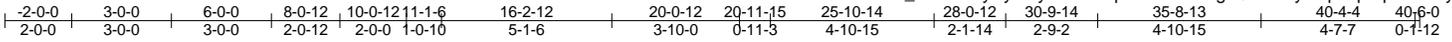
Concentrated Loads (lb)

Vert: 2=-27(B) 3=-27(B) 6=-153(B) 5=-138(B) 11=49(F) 12=-282(F) 13=-296(F=-282, B=-15) 14=-282(F)

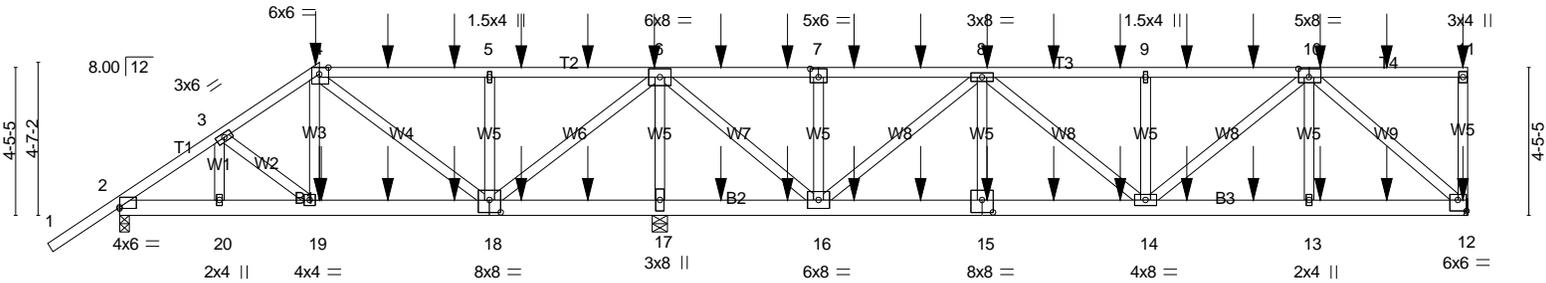
Job 162634	Truss M1	Truss Type Half Hip Girder	Qty 2	Ply 2	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:56:59 2016 Page 1  
ID: zMPGso65lxPaHV\_ZoL0KrhYDy3o-ymI3KZ7qU0sPbo0CHgfQ4WG3yvugFmpnq0RBM6yDnt2



Scale = 1:68.9



3-0-0	6-0-0	11-1-6	16-2-12	20-11-15	25-10-14	30-9-14	35-8-13	40-4-4	40-6-0
3-0-0	3-0-0	5-1-6	5-1-6	4-9-3	4-10-15	4-10-15	4-10-15	4-7-7	0-1-12

Plate Offsets (X,Y)-- [2:0-0,0,0-7], [4:0-3-5,Edge], [7:0-3-0,0-3-0], [10:0-3-12,0-3-0], [12:0-3-0,0-4-0], [15:0-4-0,0-4-8], [18:0-4-0,0-4-8]

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 0.57	Vert(LL)	-0.08 14-15	>999	360	MT20	185/144
(Roof Snow=30.0)	Lumber DOL	1.15	BC 0.19	Vert(TL)	-0.13 14-15	>999	240		
TCDL 10.0	Rep Stress Incr	NO	WB 0.83	Horz(TL)	0.02 12	n/a	n/a		
BCLL 0.0 *	Code IRC2009/TPI2007		(Matrix)						
BCDL 10.0								Weight: 424 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 1650F 1.5E	TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-11.
BOT CHORD 2x6 SPF 1650F 1.5E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18,16-17.
WEBS 2x4 HF/SPF Stud/Std *Except* W7: 2x4 HF Stud	

**REACTIONS.** (lb/size) 12=2331/Mechanical, 2=1178/0-3-8 (min. 0-1-8), 17=4943/0-5-8 (min. 0-4-4)  
 Max Horz 2=273(LC 9)  
 Max Uplift 12=-803(LC 5), 2=-477(LC 5), 17=-1635(LC 5)  
 Max Grav 12=2628(LC 7), 2=1608(LC 8), 17=5431(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-3=-1612/372, 3-4=-1409/444, 4-21=-303/124, 21-22=-305/125, 5-22=-311/125, 5-23=-305/123, 23-24=-305/123, 6-24=-305/123, 6-25=-899/275, 25-26=-899/275, 26-27=-899/275, 7-27=-899/275, 7-28=-899/275, 28-29=-899/275, 8-29=-899/275, 8-30=-3196/934, 30-31=-3196/934, 31-32=-3196/934, 9-32=-3196/934, 9-33=-3196/934, 33-34=-3196/934, 10-34=-3196/934, 11-12=-539/240  
**BOT CHORD** 2-20=-415/1162, 19-20=-415/1162, 19-37=-417/1085, 37-38=-417/1085, 18-38=-417/1085, 18-39=-1858/548, 39-40=-1858/548, 17-40=-1858/548, 17-41=-1858/548, 41-42=-1858/548, 16-42=-1858/548, 16-43=-808/2715, 43-44=-808/2715, 15-44=-808/2715, 15-45=-808/2715, 45-46=-808/2715, 14-46=-808/2715, 14-47=-684/2295, 47-48=-684/2295, 13-48=-684/2295, 13-49=-684/2295, 49-50=-684/2295, 12-50=-684/2295  
**WEBS** 4-19=-177/673, 4-18=-1019/378, 5-18=-1054/397, 6-18=-857/2764, 6-17=-5081/1617, 6-16=-1082/3625, 7-16=-797/360, 8-16=-2358/692, 8-15=0/396, 8-14=-164/624, 9-14=-970/372, 10-14=-324/1170, 10-13=0/387, 10-12=-2953/876

- NOTES-**
- 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.
  - 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.
  - Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-4-4, Corner(3) 37-4-4 to 40-4-4; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - 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 2-0-0 wide will fit between the bottom chord and any other members.

Continued on page 2

Job 162634	Truss M1	Truss Type Half Hip Girder	Qty 2	Ply 2	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:56:59 2016 Page 2  
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**NOTES-**

- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 803 lb uplift at joint 12, 477 lb uplift at joint 2 and 1635 lb uplift at joint 17.
- 12) This truss is designed in accordance with the 2009 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 181 lb down and 73 lb up at 6-0-0, 214 lb down and 71 lb up at 8-0-12, 214 lb down and 71 lb up at 10-0-12, 214 lb down and 71 lb up at 12-0-12, 214 lb down and 71 lb up at 14-0-12, 214 lb down and 71 lb up at 16-0-12, 214 lb down and 71 lb up at 18-0-12, 214 lb down and 71 lb up at 20-0-12, 214 lb down and 71 lb up at 22-0-12, 214 lb down and 71 lb up at 24-0-12, 214 lb down and 71 lb up at 26-0-12, 214 lb down and 71 lb up at 28-0-12, 214 lb down and 71 lb up at 30-0-12, 214 lb down and 71 lb up at 32-0-12, 233 lb down and 98 lb up at 34-0-12, 233 lb down and 98 lb up at 36-0-12, and 233 lb down and 98 lb up at 38-0-12, and 246 lb down and 113 lb up at 40-4-4 on top chord, and 441 lb down and 191 lb up at 6-0-0, 74 lb down at 8-0-12, 74 lb down at 10-0-12, 74 lb down at 12-0-12, 74 lb down at 14-0-12, 74 lb down at 18-0-12, 74 lb down at 20-0-12, 74 lb down at 22-0-12, 74 lb down at 24-0-12, 74 lb down at 26-0-12, 74 lb down at 28-0-12, 74 lb down at 30-0-12, 74 lb down at 32-0-12, 78 lb down at 34-0-12, 78 lb down at 36-0-12, and 78 lb down at 38-0-12, and 92 lb down at 40-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-80, 4-11=-80, 2-12=-20

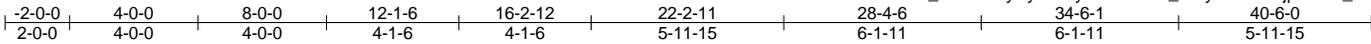
Concentrated Loads (lb)

Vert: 4=-172(F) 11=-219(F) 12=-46(F) 19=-441(F) 6=-172(F) 15=-37(F) 8=-172(F) 21=-172(F) 22=-172(F) 23=-172(F) 24=-172(F) 25=-172(F) 27=-172(F) 28=-172(F) 29=-172(F) 31=-172(F) 32=-172(F) 33=-172(F) 34=-191(F) 35=-191(F) 36=-191(F) 37=-37(F) 38=-37(F) 39=-37(F) 40=-37(F) 41=-37(F) 42=-37(F) 43=-37(F) 44=-37(F) 45=-37(F) 46=-37(F) 47=-37(F) 48=-39(F) 49=-39(F) 50=-39(F)

Job 162634	Truss M2	Truss Type Half Hip	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:00 2016 Page 1  
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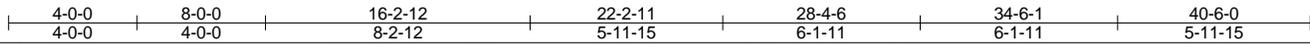
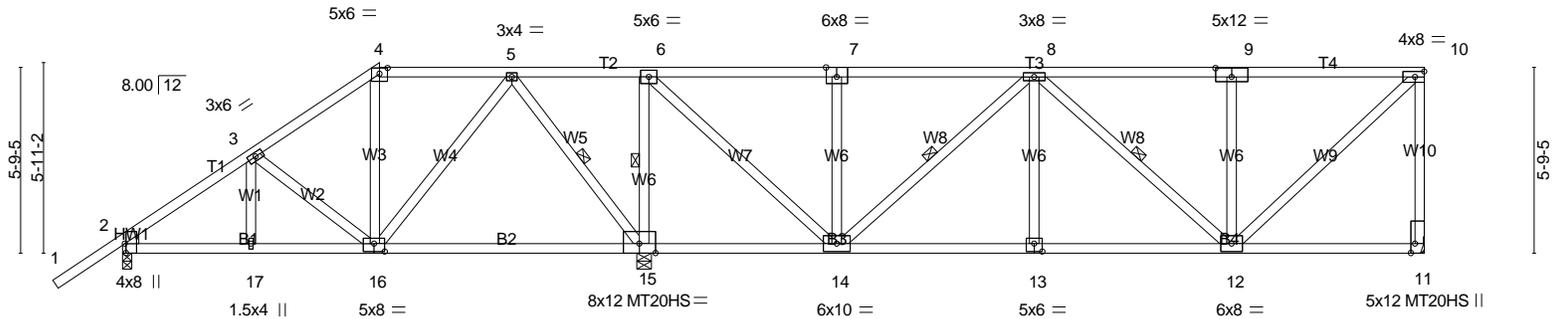


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [4:0-3-0,0-2-3], [7:0-4-0,Edge], [9:0-6-0,0-3-4], [11:0-3-8,Edge], [13:0-3-0,0-3-0], [16:0-4-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15	TC 0.84	Vert(LL)	-0.11 15-16	>999	360	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.41	Vert(TL)	-0.24 15-16	>795	240	MT20HS	139/108
BCLL 0.0 *	Rep Stress Incr YES	WB 0.80	Horz(TL)	0.03 11	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)						Weight: 194 lb FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std \*Except\*  
W10: 2x4 SPF 1650F 1.5E, W7,W9: 2x4 HF Stud  
WEDGE  
Left: 2x4 SPF 1650F 1.5E

**BRACING-**  
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-6 max.): 4-10.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16,14-15.  
WEBS 1 Row at midpt 5-15, 6-15, 8-14, 8-12

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

**REACTIONS.** (lb/size) 11=1039/Mechanical, 2=767/0-3-8 (min. 0-2-1), 15=2484/0-5-8 (min. 0-5-8)  
Max Horz 2=333(LC 5)  
Max Uplift 1=-364(LC 5), 2=-279(LC 5), 15=-856(LC 5)  
Max Grav 11=1658(LC 7), 2=1300(LC 8), 15=3503(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1154/94, 3-4=-705/98, 4-5=-455/137, 5-18=-225/881, 6-18=-225/881, 6-19=-690/184, 7-19=-690/184, 7-20=-690/184, 8-20=-690/184, 8-9=-1345/299, 9-10=-1345/299, 10-11=-1587/374  
BOT CHORD 2-17=-242/774, 16-17=-242/774, 14-15=-881/225, 13-14=-360/1513, 12-13=-360/1513  
WEBS 3-16=-407/140, 5-16=-205/711, 5-15=-1308/389, 6-15=-2234/588, 6-14=-553/2130, 7-14=-620/252, 8-14=-1103/237, 8-13=0/251, 9-12=-953/257, 10-12=-392/1761

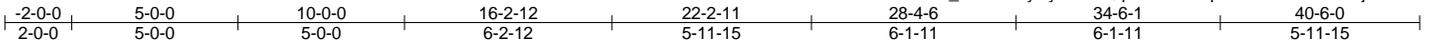
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-4-4, Corner(3) 37-4-4 to 40-4-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCDL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 30.0 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) Refer to girder(s) for truss to truss connections.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 364 lb uplift at joint 11, 279 lb uplift at joint 2 and 856 lb uplift at joint 15.
  - 11) This truss is designed in accordance with the 2009 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.

**LOAD CASE(S)** Standard

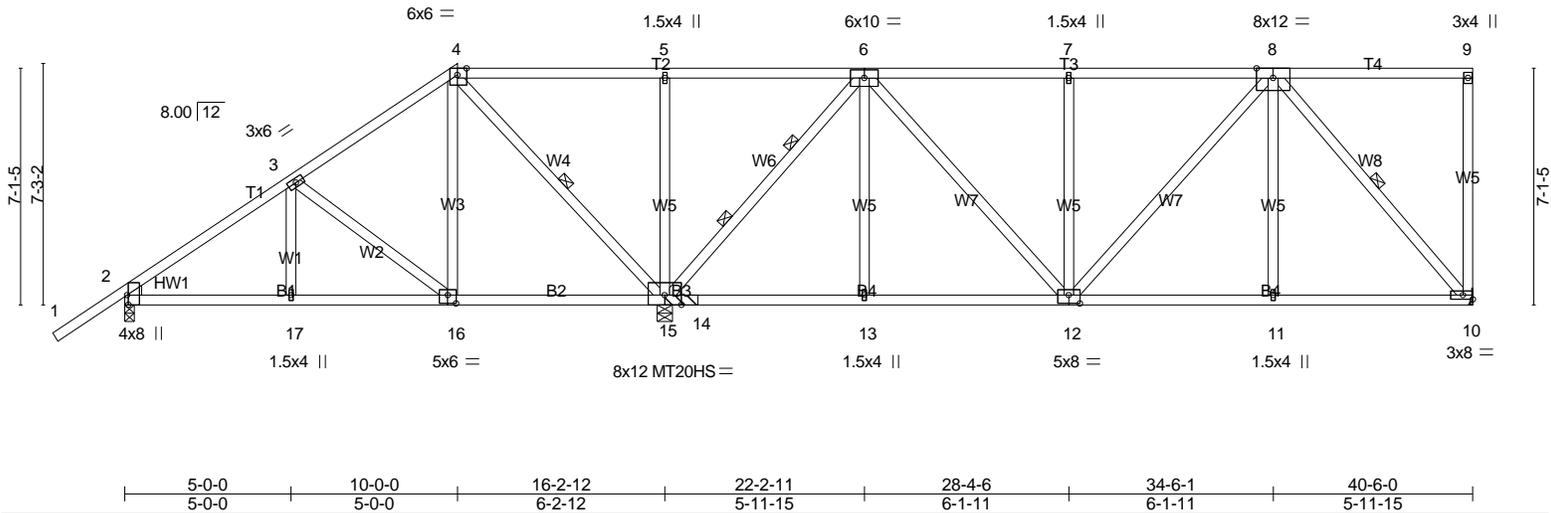
Job 162634	Truss M3	Truss Type Half Hip	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:01 2016 Page 1  
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Scale = 1:68.9



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	30.0	Plate Grip DOL	2-0-0	TC	0.95	Vert(LL)	-0.09	11-12	>999	360	MT20	185/144	
(Roof Snow=30.0)		Lumber DOL	1.15	BC	0.37	Vert(TL)	-0.15	12-13	>999	240	MT20HS	139/108	
TCDL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.05	10	n/a	n/a			
BCLL	0.0 *	Code IRC2009/TPI2007		(Matrix)									
BCDL	10.0												

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std  
 WEDGE  
 Left: 2x4 SPF 1650F 1.5E

**BRACING-**  
 TOP CHORD Sheathed or 5-11-7 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 4-9.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 4-15, 8-10  
 2 Rows at 1/3 pts 6-15

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

**REACTIONS.** (lb/size) 10=1228/Mechanical, 2=746/0-3-8 (min. 0-2-2), 15=2754/(0-5-8 + bearing block) (req. 0-5-14)  
 Max Horz 2=394(LC 5)  
 Max Uplift 10=-364(LC 5), 2=-252(LC 5), 15=-873(LC 5)  
 Max Grav 10=1886(LC 7), 2=1351(LC 8), 15=3737(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1236/54, 3-4=-557/43, 4-18=-169/744, 5-18=-169/735, 5-6=-171/740, 6-19=-1436/290,  
 19-20=-1436/290, 7-20=-1436/290, 7-8=-1436/290, 9-10=-353/98  
 BOT CHORD 2-17=-261/827, 16-17=-261/827, 16-21=-86/265, 15-21=-86/265, 14-15=-148/778,  
 14-22=-148/778, 13-22=-148/778, 13-23=-148/777, 12-23=-148/777, 12-24=-243/1280,  
 11-24=-243/1280, 11-25=-243/1280, 10-25=-243/1280  
 WEBS 3-16=-683/215, 4-16=-96/621, 4-15=-1191/382, 5-15=-1006/264, 6-15=-2297/482,  
 6-13=0/290, 6-12=-213/985, 7-12=-747/246, 8-11=0/309, 8-10=-1935/368

- NOTES-**
- 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 15 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
  - Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-4-4, Corner(3) 37-4-4 to 40-4-4; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - All plates are MT20 plates unless otherwise indicated.
  - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Refer to girder(s) for truss to truss connections.
  - Provide metal plate or equivalent at bearing(s) 10 to support reaction shown.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 364 lb uplift at joint 10, 252 lb uplift at joint 2 and 873 lb uplift at joint 15.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	M3	Half Hip	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:01 2016 Page 2  
ID:zMPGso65lxPaHV\_ZoL0KirhyDy3o-u8QqkF940e77q69bP5iu9xMJOiYVjcv4lJwlQ\_yDNt0

**NOTES-**

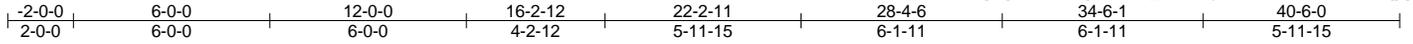
- 14) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	M4	Half Hip	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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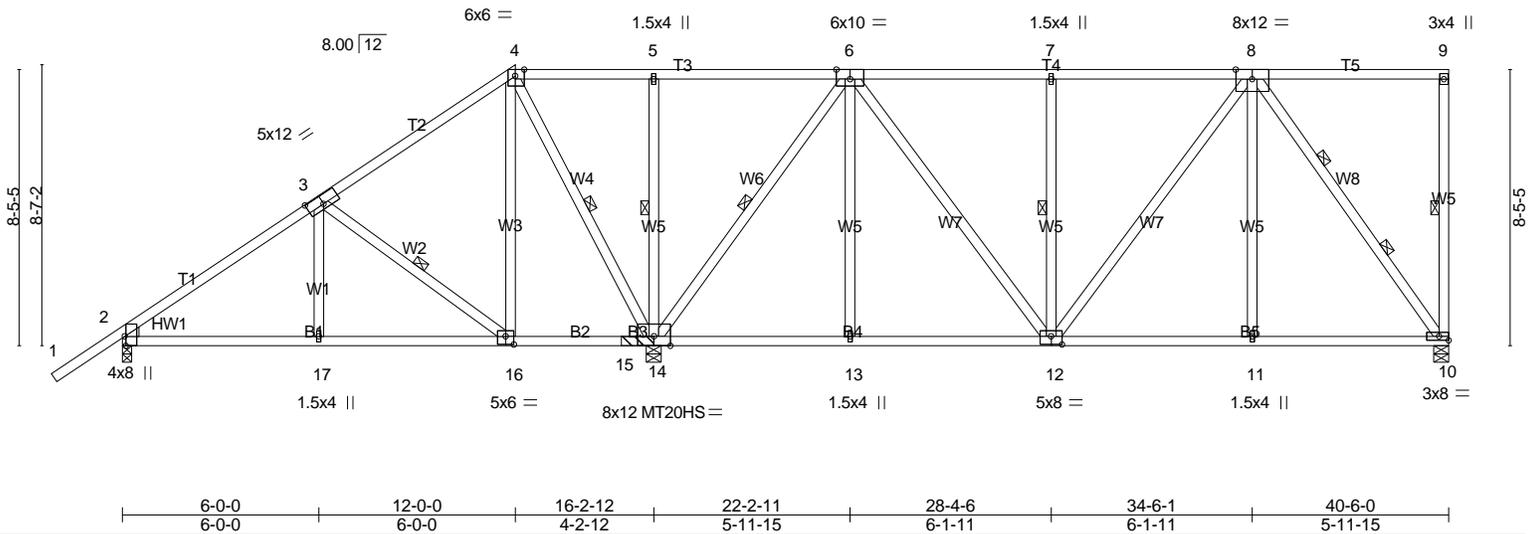


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-6-0,0-3-4], [4:0-3-5,Edge], [6:0-5-0,Edge], [12:0-4-0,0-3-0], [16:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.80	in (loc) l/defl L/d	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.46	Vert(LL) -0.09 11-12 >999 360	MT20HS	139/108
TCDL 10.0	Lumber DOL 1.15	WB 0.85	Vert(TL) -0.14 12-13 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 10 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 223 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 HF/SPF Stud/Std \*Except\*  
 W6: 2x4 SPF 1650F 1.5E  
 WEDGE  
 Left: 2x4 SPF 1650F 1.5E

**BRACING-**  
 TOP CHORD Sheathed or 5-9-11 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-10 max.): 4-9.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-16.  
 WEBS 1 Row at midpt 9-10, 3-16, 4-14, 5-14, 6-14, 7-12  
 2 Rows at 1/3 pts 8-10

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

**REACTIONS.** (lb/size) 10=1259/0-5-8 (min. 0-3-1), 2=715/0-3-8 (min. 0-2-0), 14=2819/(0-5-8 + bearing block) (req. 0-5-13)  
 Max Horz 2=456(LC 5)  
 Max Uplift 10=-365(LC 5), 2=-223(LC 5), 14=-895(LC 5)  
 Max Grav 10=1970(LC 7), 2=1294(LC 8), 14=3723(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-19=-1231/0, 3-19=-771/9, 3-4=-336/313, 4-5=-144/653, 5-20=-146/651, 6-20=-146/651, 6-21=-1299/243, 21-22=-1299/243, 7-22=-1299/243, 7-8=-1299/243, 9-10=-352/98  
 BOT CHORD 2-17=-265/806, 16-17=-265/803, 14-24=-127/751, 13-24=-127/751, 13-25=-127/751, 12-25=-127/751, 12-26=-204/1126, 11-26=-204/1126, 11-27=-204/1126, 10-27=-204/1126  
 WEBS 3-17=0/260, 3-16=-937/288, 4-16=-142/707, 4-14=-1293/387, 5-14=-815/207, 6-14=-2367/460, 6-13=0/321, 6-12=-194/912, 7-12=-783/242, 8-12=-65/289, 8-11=0/336, 8-10=-1904/345

- NOTES-**
- 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 14 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
  - Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-4-4, Corner(3) 37-4-4 to 40-4-4; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - All plates are MT20 plates unless otherwise indicated.
  - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 365 lb uplift at joint 10, 223 lb uplift at joint 2 and 895 lb uplift at joint 14.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	M4	Half Hip	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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**NOTES-**

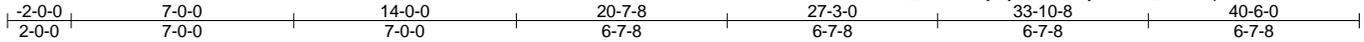
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

Job 162634	Truss M5	Truss Type Half Hip	Qty 1	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:02 2016 Page 1  
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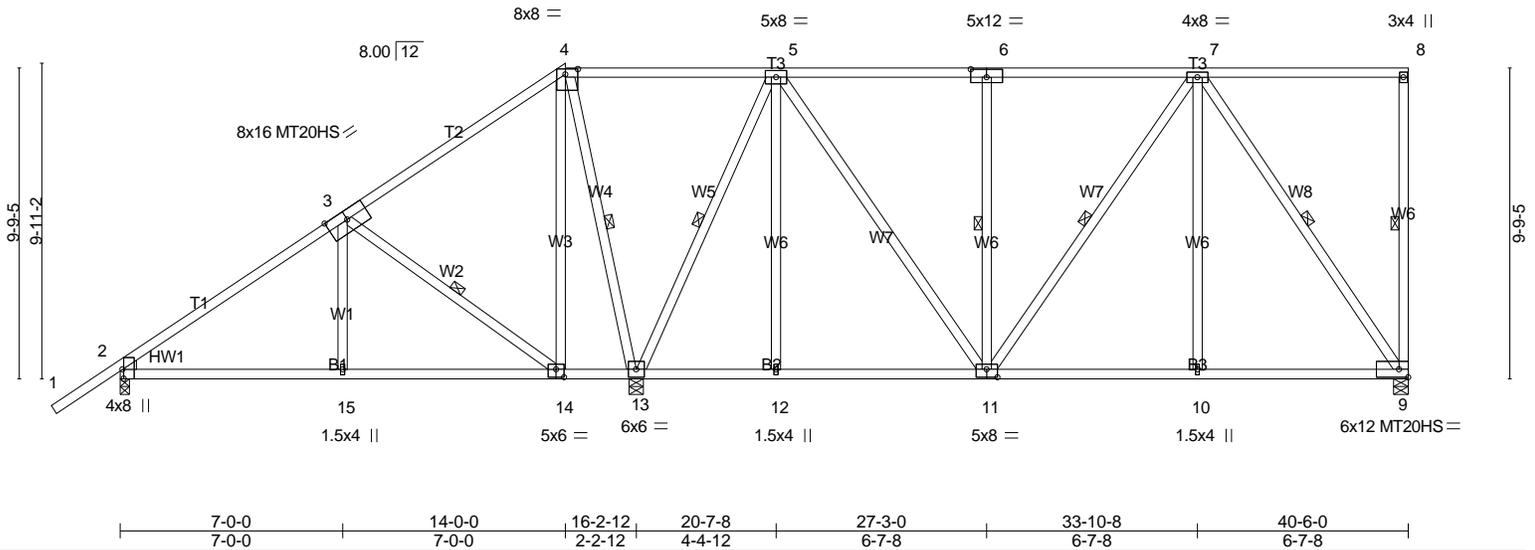


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [4:0-4-12,0-2-0], [6:0-6-0,0-3-0], [11:0-4-0,0-3-0], [14:0-3-0,0-3-0]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.87 BC 0.45 WB 0.87 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.11 11-12 >999 360 Vert(TL) -0.18 2-15 >999 240 Horz(TL) 0.04 9 n/a n/a	MT20 MT20HS	185/144 139/108
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2009/TPI2007			Weight: 229 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 2100F 1.8E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std \*Except\*  
W5,W8: 2x4 SPF 1650F 1.5E  
WEDGE  
Left: 2x4 SPF 1650F 1.5E

**BRACING-**  
TOP CHORD Sheathed or 5-11-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-5 max.): 4-8.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14.  
WEBS 1 Row at midpt 8-9, 3-14, 4-13, 5-13, 6-11, 7-11, 7-9

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

**REACTIONS.** (lb/size) 9=1332/0-5-8 (min. 0-3-5), 2=767/0-3-8 (min. 0-1-14), 13=2668/0-5-8 (min. 0-5-5)  
Max Horz 2=518(LC 5)  
Max Uplift 9=384(LC 5), 2=-217(LC 5), 13=-873(LC 5)  
Max Grav 9=2127(LC 7), 2=1208(LC 8), 13=3393(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-16=-1250/0, 16-17=-1221/0, 3-17=-741/0, 3-4=-187/368, 4-5=-91/446, 5-6=-1281/229, 6-7=-1281/229, 8-9=-391/108  
BOT CHORD 2-15=-298/821, 14-15=-298/818, 13-18=-104/625, 12-18=-104/625, 12-19=-104/625, 11-19=-104/625, 11-20=-202/1142, 10-20=-202/1142, 10-21=-202/1142, 9-21=-202/1142  
WEBS 3-15=0/308, 3-14=-1152/349, 4-14=-161/728, 4-13=-1407/458, 5-13=-2552/465, 5-12=0/310, 5-11=-219/1145, 6-11=-919/257, 7-10=0/383, 7-9=-1999/353

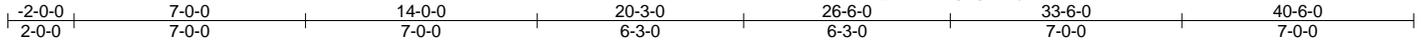
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-4-4, Corner(3) 37-4-4 to 40-4-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 30.0 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) The Fabrication Tolerance at joint 4 = 12%
  - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 9, 217 lb uplift at joint 2 and 873 lb uplift at joint 13.
  - 11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 12) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 13) 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 162634	Truss N1	Truss Type Hip	Qty 1	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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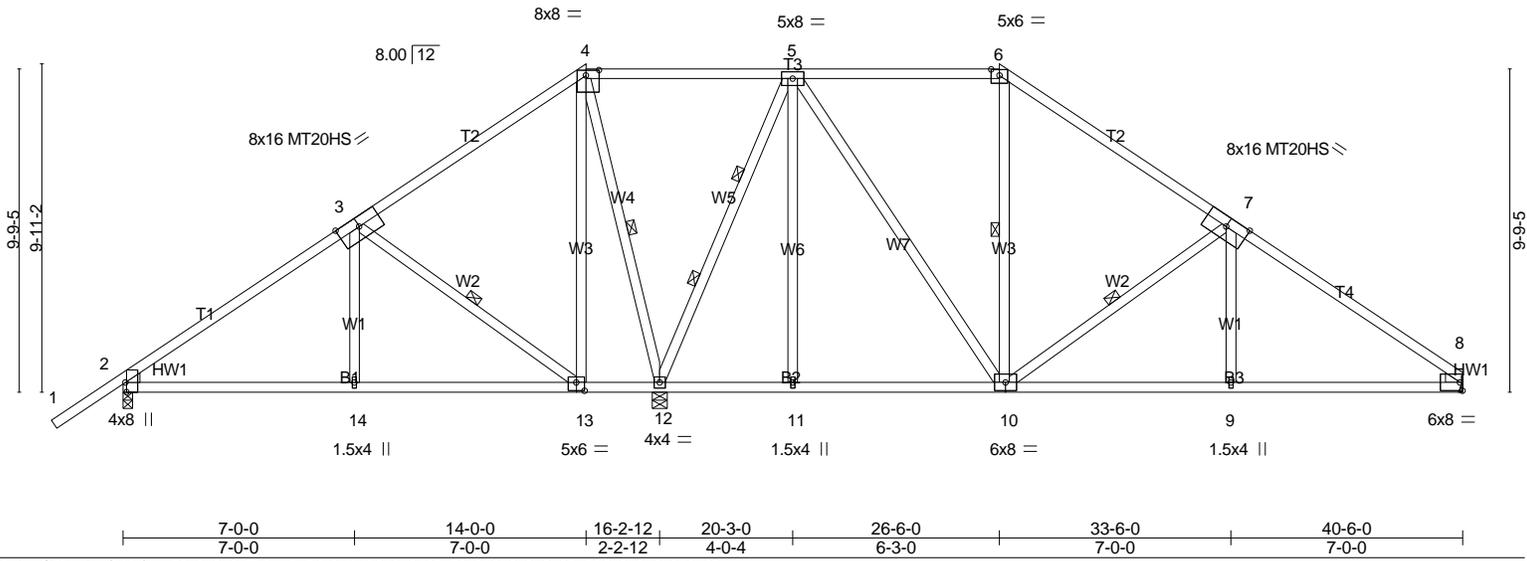


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [4:0-4-12,0-2-0], [6:0-3-0,0-2-3], [13:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0	TC 0.98	Vert(LL) -0.16	8-9	>999	360	MT20	185/144
TCDL 10.0	Lumber DOL 1.15	BC 0.67	Vert(TL) -0.28	8-9	>999	240	MT20HS	139/108
BCLL 0.0 *	Rep Stress Incr YES	WB 0.93	Horz(TL) 0.05	8	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)						Weight: 201 lb FT = 20%

**LUMBER-**  
**TOP CHORD** 2x4 SPF 2100F 1.8E \*Except\*  
T3: 2x4 SPF 1650F 1.5E  
**BOT CHORD** 2x4 SPF 1650F 1.5E  
**WEBS** 2x4 HF/SPF Stud/Std  
**WEDGE**  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
**TOP CHORD** Sheathed or 2-2-0 oc purlins, except  
2-0-0 oc purlins (2-2-0 max.): 4-6.  
**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.  
**WEBS** 1 Row at midpt 3-13, 4-12, 6-10, 7-10  
2 Rows at 1/3 pts 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=718/0-3-8 (min. 0-1-11), 12=2661/0-5-8 (min. 0-4-15), 8=1074/Mechanical  
Max Horz 2=79(LC 5)  
Max Uplift 2=-317(LC 5), 12=-778(LC 5), 8=-328(LC 5)  
Max Grav 2=1058(LC 12), 12=3130(LC 12), 8=1507(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-15=-995/117, 15-16=-965/135, 3-16=-582/155, 3-4=-129/631, 4-5=0/696, 5-17=-691/396,  
6-17=-686/397, 6-7=-1069/384, 7-18=-1612/459, 18-19=-1894/437, 8-19=-2121/424  
**BOT CHORD** 2-14=0/632, 13-14=0/630, 12-13=-340/280, 12-20=-59/392, 11-20=-59/392, 11-21=-59/392,  
10-21=-59/392, 9-10=-254/1541, 8-9=-254/1543  
**WEBS** 3-14=0/308, 3-13=-1166/343, 4-13=-158/731, 4-12=-1561/347, 5-12=-1962/470, 5-11=0/305,  
5-10=-234/1203, 7-10=-1152/372, 7-9=0/300

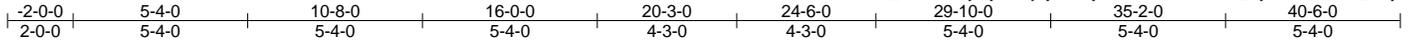
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-5-4, Corner(3) 37-5-4 to 40-5-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCDL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 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) The Fabrication Tolerance at joint 4 = 16%
  - 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) Refer to girder(s) for truss to truss connections.
  - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 317 lb uplift at joint 2, 778 lb uplift at joint 12 and 328 lb uplift at joint 8.
  - 12) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 13) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 14) 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 162634	Truss N2	Truss Type Hip	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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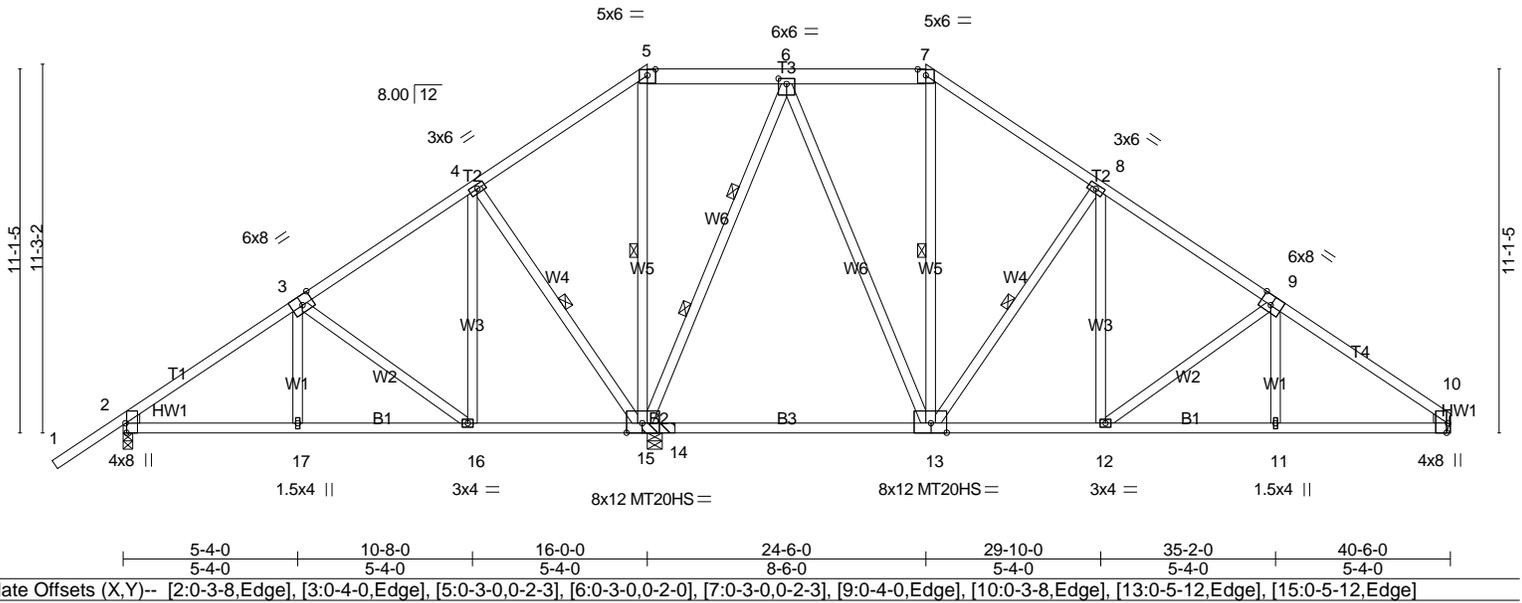


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,Edge], [5:0-3-0,0-2-3], [6:0-3-0,0-2-0], [7:0-3-0,0-2-3], [9:0-4-0,Edge], [10:0-3-8,Edge], [13:0-5-12,Edge], [15:0-5-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.68	in (loc) l/defl L/d	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.54	Vert(LL) -0.23 13-15 >999 360	MT20HS	139/108
TCDL 10.0	Lumber DOL 1.15	WB 0.92	Vert(TL) -0.42 13-15 >711 240		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.05 10 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 221 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E \*Except\*  
T3: 2x6 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std  
WEDGE  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
TOP CHORD Sheathed or 4-4-4 oc purlins, except  
2-0-0 oc purlins (6-0-0 max.): 5-7.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS 1 Row at midpt 4-15, 5-15, 7-13, 8-13  
2 Rows at 1/3 pts 6-15

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

**REACTIONS.** (lb/size) 2=636/0-3-8 (min. 0-1-8), 15=2896/(0-5-8 + bearing block) (req. 0-5-14), 10=1086/Mechanical  
Max Horz 2=79(LC 5)  
Max Uplift 2=-278(LC 5), 15=-816(LC 5), 10=-312(LC 5)  
Max Grav 2=820(LC 12), 15=3751(LC 12), 10=1456(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-18=-756/66, 3-18=-617/93, 3-19=-259/235, 4-19=0/335, 4-5=0/1091, 5-20=0/747,  
6-20=0/745, 6-21=-551/355, 7-21=-542/355, 7-8=-831/352, 8-22=-1146/401,  
9-22=-1532/376, 9-23=-2079/448, 10-23=-2207/432  
BOT CHORD 2-17=-2/497, 16-17=-4/495, 13-27=-61/1103, 12-27=-61/1103, 11-12=-266/1681,  
10-11=-266/1683  
WEBS 3-16=-723/217, 4-16=-104/546, 4-15=-1166/355, 5-15=-968/161, 6-15=-1623/443,  
6-13=-250/1520, 8-13=-1141/358, 8-12=-119/544, 9-12=-717/254

- NOTES-**
- 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 15 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
  - Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Comer(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-5-4, Corner(3) 37-5-4 to 40-5-4; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - All plates are MT20 plates unless otherwise indicated.
  - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 2, 816 lb uplift at joint 15 and 312 lb uplift at joint 10.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	N2	Hip	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:04 2016 Page 2  
ID:zMPGso65lxPaHV\_ZoL0KrhyDy3o-Jj5yNHByJZVihauA4EFbnZ\_uywWXw\_eW\_H9y0JyDNsz

**NOTES-**

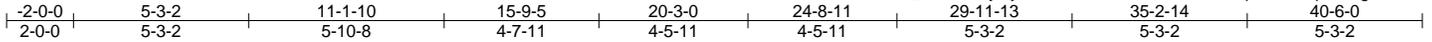
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

Job 162634	Truss N3	Truss Type Piggyback Base	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:05 2016 Page 1  
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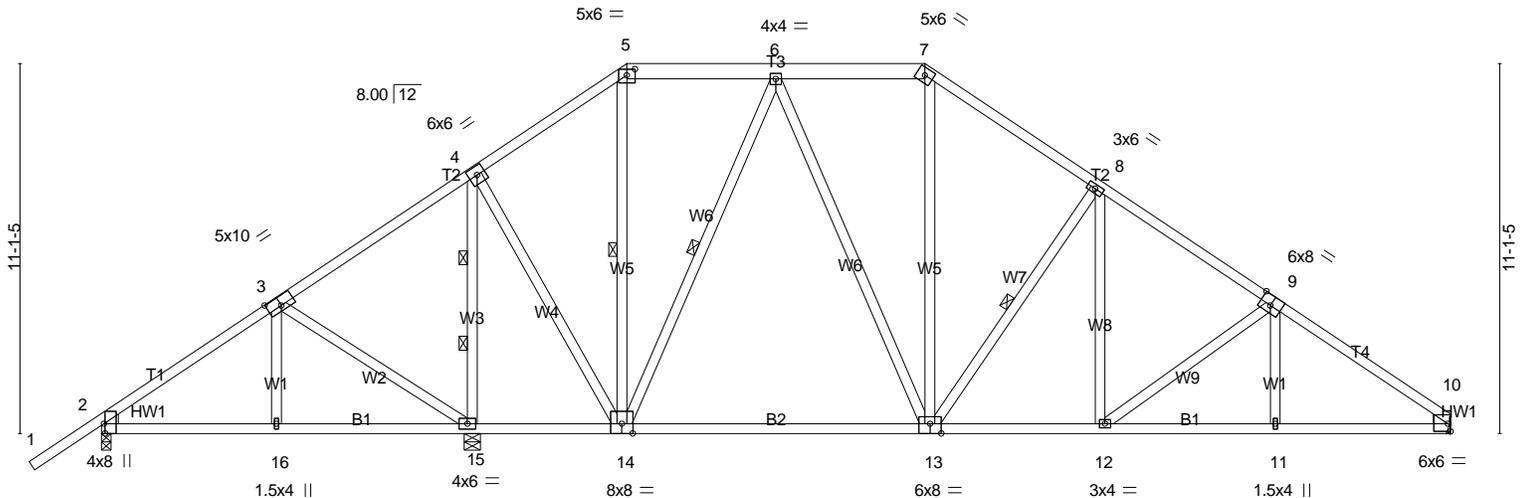


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-5-0,0-3-4], [5:0-3-0,0-2-3], [9:0-4-0,Edge], [10:Edge,0-2-13], [13:0-4-0,Edge]
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<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.75 BC 0.72 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.35 13-14 >999 360 Vert(TL) -0.62 13-14 >571 240 Horz(TL) 0.08 10 n/a n/a	MT20	185/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2009/TPI2007			Weight: 220 lb	FT = 20%

**LUMBER-**  
**TOP CHORD** 2x4 SPF 1650F 1.5E \*Except\*  
T3: 2x6 SPF 1650F 1.5E  
**BOT CHORD** 2x4 SPF 1650F 1.5E  
**WEBS** 2x4 HF/SPF Stud/Std  
**WEDGE**  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
**TOP CHORD** Sheathed or 3-6-6 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, Except:  
6-0-0 oc bracing: 14-15.  
**WEBS** 1 Row at midpt 5-14, 6-14, 8-13  
2 Rows at 1/3 pts 4-15

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

**REACTIONS.** (lb/size) 2=600/0-3-8 (min. 0-1-8), 15=2475/0-5-14 (min. 0-5-1), 10=1541/Mechanical  
Max Horz 2=66(LC 5)  
Max Uplift 2=-249(LC 5), 15=-642(LC 5), 10=-408(LC 5)  
Max Grav 2=740(LC 12), 15=3241(LC 12), 10=2027(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-17=-631/27, 17-18=-517/37, 3-18=-354/53, 19-20=0/329, 4-20=0/565, 4-5=-827/369,  
5-21=-633/365, 6-21=-636/364, 6-22=-1299/526, 7-22=-1298/526, 7-8=-1779/548,  
8-23=-2086/579, 23-24=-2299/576, 9-24=-2509/554, 9-25=-2862/610, 25-26=-3044/594,  
10-26=-3173/594  
**BOT CHORD** 2-16=0/404, 15-16=0/402, 15-27=-273/216, 14-27=-273/216, 14-28=-12/1059,  
28-29=-12/1059, 13-29=-12/1059, 13-30=-232/1913, 12-30=-232/1913, 11-12=-398/2461,  
10-11=-397/2463  
**WEBS** 3-15=-808/180, 4-15=-2680/559, 4-14=-228/1563, 6-14=-1101/288, 6-13=-121/962,  
7-13=-86/384, 8-13=-1062/297, 8-12=-92/506, 9-12=-680/206

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Exterior(2) -2-1-0 to 1-11-10, Interior(1) 1-11-10 to 10-0-9, Exterior(2) 10-0-9 to 30-5-7, Interior(1) 30-5-7 to 36-4-10; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 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) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 2, 642 lb uplift at joint 15 and 408 lb uplift at joint 10.
  - 10) This truss is designed in accordance with the 2009 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	N3	Piggyback Base	2	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

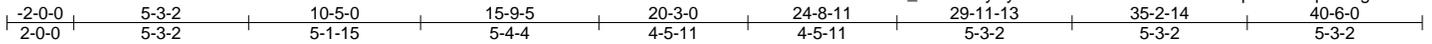
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**LOAD CASE(S)** Standard

Job 162634	Truss N4	Truss Type Piggyback Base	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:05 2016 Page 1  
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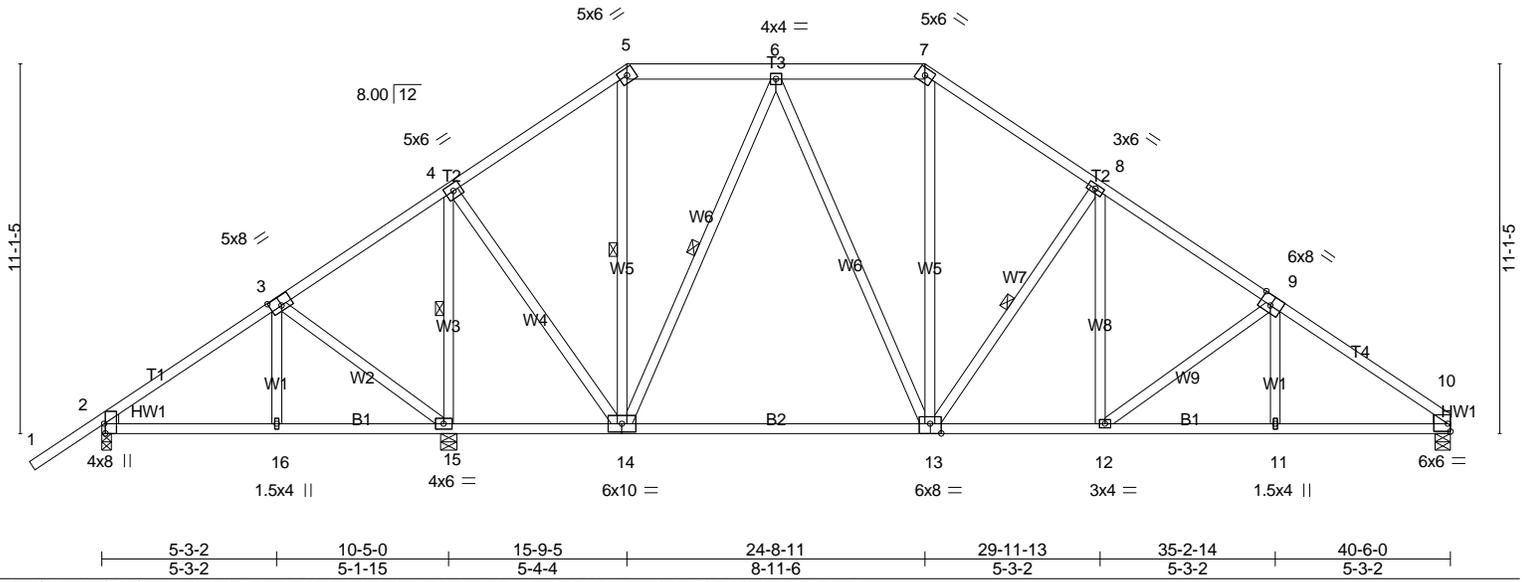


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-4], [9:0-4-0,Edge], [10:Edge,0-2-13], [13:0-4-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0	2-0-0	TC 0.77	in (loc) l/defl L/d	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.73	Vert(LL) -0.35 13-14 >999 360		
TCDL 10.0	Lumber DOL 1.15	WB 0.95	Vert(TL) -0.62 13-14 >582 240		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.08 10 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 219 lb	FT = 20%

**LUMBER-**  
**TOP CHORD** 2x4 SPF 1650F 1.5E \*Except\*  
T3: 2x6 SPF 1650F 1.5E  
**BOT CHORD** 2x4 SPF 1650F 1.5E  
**WEBS** 2x4 HF/SPF Stud/Std  
**WEDGE**  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
**TOP CHORD** Sheathed or 3-6-9 oc purlins, except  
2-0-0 oc purlins (6-0-0 max.): 5-7.  
**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.  
**WEBS** 1 Row at midpt 4-15, 5-14, 6-14, 8-13

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

**REACTIONS.** (lb/size) 2=561/0-3-8 (min. 0-1-8), 15=2470/0-5-14 (min. 0-5-1), 10=1578/0-5-8 (min. 0-3-4)  
Max Horz 2=79(LC 5)  
Max Uplift 2=-252(LC 5), 15=-702(LC 5), 10=-449(LC 5)  
Max Grav 2=689(LC 12), 15=3231(LC 12), 10=2080(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-17=-531/23, 3-17=-392/68, 4-18=0/529, 4-5=-1006/403, 5-19=-723/405, 6-19=-725/405,  
6-20=-1368/563, 7-20=-1367/563, 7-8=-1863/595, 8-21=-2363/635, 9-21=-2571/610,  
9-22=-3081/671, 10-22=-3209/655  
**BOT CHORD** 2-16=6/315, 15-16=8/314, 15-23=-264/235, 14-23=-264/235, 14-24=-17/1125,  
24-25=-17/1125, 13-25=-17/1125, 13-26=-258/1966, 12-26=-258/1966, 11-12=-443/2463,  
10-11=-442/2465  
**WEBS** 3-15=-722/213, 4-15=-2666/592, 4-14=-244/1572, 6-14=-1038/277, 6-13=-122/893,  
7-13=-114/413, 8-13=-1032/332, 8-12=-106/470, 9-12=-617/229

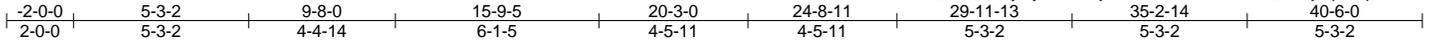
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-3-4, Corner(3) 37-3-4 to 40-3-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 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 252 lb uplift at joint 2, 702 lb uplift at joint 15 and 449 lb uplift at joint 10.
  - 9) This truss is designed in accordance with the 2009 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.

**LOAD CASE(S)** Standard

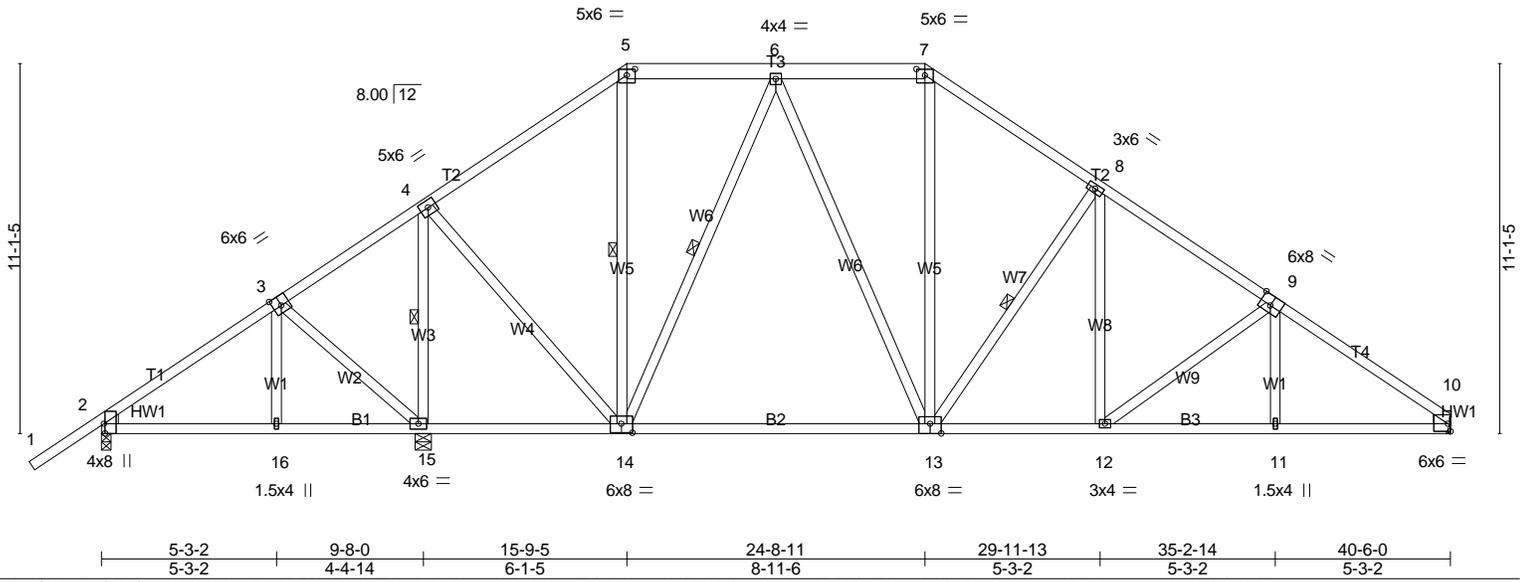
Job 162634	Truss O1	Truss Type Piggyback Base	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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Scale = 1:68.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.79 BC 0.75 WB 0.96 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.36 13-14 >999 360 Vert(TL) -0.63 13-14 >590 240 Horz(TL) 0.08 10 n/a n/a	MT20	185/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2009/TPI2007			Weight: 218 lb	FT = 20%

**LUMBER-**  
**TOP CHORD** 2x4 SPF 1650F 1.5E \*Except\*  
 T3: 2x6 SPF 1650F 1.5E  
**BOT CHORD** 2x4 SPF 1650F 1.5E  
**WEBS** 2x4 HF/SPF Stud/Std  
**WEDGE**  
 Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
**TOP CHORD** Sheathed or 3-4-13 oc purlins, except  
 2-0-0 oc purlins (6-0-0 max.): 5-7.  
**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.  
**WEBS** 1 Row at midpt 4-15, 5-14, 6-14, 8-13

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

**REACTIONS.** (lb/size) 2=490/0-3-8 (min. 0-1-8), 15=2518/0-5-14 (min. 0-5-3), 10=1623/Mechanical  
 Max Horz 2=79(LC 5)  
 Max Uplift 2=-233(LC 5), 15=-713(LC 5), 10=-463(LC 5)  
 Max Grav 2=592(LC 12), 15=3296(LC 12), 10=2133(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-17=-370/107, 3-18=-4/293, 4-18=0/560, 4-5=-1180/426, 5-19=-801/429, 6-19=-804/429,  
 6-20=-1439/577, 7-20=-1438/577, 7-8=-1968/620, 8-21=-2312/663, 9-21=-2693/638,  
 9-22=-3221/704, 10-22=-3351/688  
**BOT CHORD** 15-23=-298/230, 14-23=-298/230, 14-24=-43/1198, 24-25=-43/1198, 13-25=-43/1198,  
 13-26=-283/2070, 12-26=-283/2070, 11-12=-474/2604, 10-11=-474/2607  
**WEBS** 3-15=-613/176, 4-15=-2746/616, 4-14=-244/1601, 6-14=-1026/281, 6-13=-93/808,  
 7-13=-155/496, 8-13=-1087/350, 8-12=-111/496, 9-12=-663/238

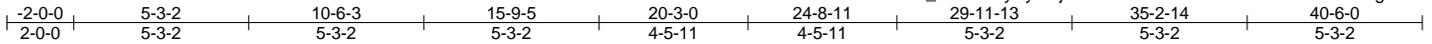
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-5-4, Corner(3) 37-5-4 to 40-5-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 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) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 2, 713 lb uplift at joint 15 and 463 lb uplift at joint 10.
  - 10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 11) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 12) 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 162634	Truss O2	Truss Type Piggyback Base	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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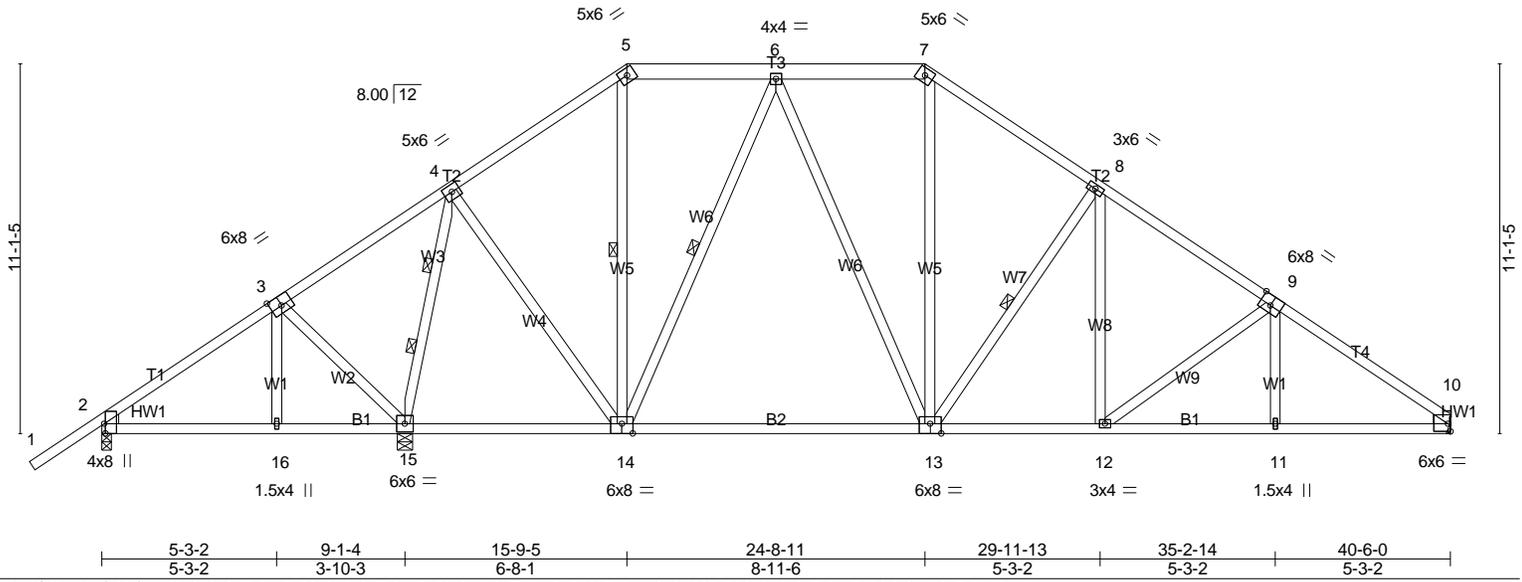


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,Edge], [9:0-4-0,Edge], [10:Edge,0-2-13], [13:0-4-0,Edge], [14:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.74	Vert(LL) -0.36 13-14 >999 360		
TCDL 10.0	Lumber DOL 1.15	WB 0.87	Vert(TL) -0.61 13-14 >613 240		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.09 10 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 218 lb	FT = 20%

**LUMBER-**  
**TOP CHORD** 2x4 SPF 1650F 1.5E \*Except\*  
 T3: 2x6 SPF 1650F 1.5E  
**BOT CHORD** 2x4 SPF 1650F 1.5E  
**WEBS** 2x4 HF/SPF Stud/Std  
**WEDGE**  
 Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
**TOP CHORD** Sheathed or 3-4-8 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, Except:  
 6-0-0 oc bracing: 2-16, 15-16.  
**WEBS** 1 Row at midpt 5-14, 6-14, 8-13  
 2 Rows at 1/3 pts 4-15

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

**REACTIONS.** (lb/size) 2=430/0-3-8 (min. 0-1-8), 15=2559/0-5-9 (min. 0-5-4), 10=1653/Mechanical  
 Max Horz 2=79(LC 5)  
 Max Uplift 2=-214(LC 5), 15=-724(LC 5), 10=-470(LC 5)  
 Max Grav 2=522(LC 8), 15=3350(LC 12), 10=2171(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-17=-273/179, 3-18=-25/340, 4-18=-11/712, 4-5=-1249/457, 5-19=-872/449,  
 6-19=-874/449, 6-20=-1508/594, 7-20=-1507/594, 7-8=-2031/632, 8-21=-2547/675,  
 9-21=-2757/650, 9-22=-3289/717, 10-22=-3417/701  
**BOT CHORD** 14-25=-54/1249, 25-26=-54/1249, 13-26=-54/1249, 13-27=-291/2120, 12-27=-291/2120,  
 11-12=-485/2658, 10-11=-485/2661  
**WEBS** 3-15=-694/215, 4-15=-2749/602, 4-14=-179/1312, 6-14=-976/261, 6-13=-105/811,  
 7-13=-133/479, 8-13=-1055/336, 8-12=-113/501, 9-12=-669/241

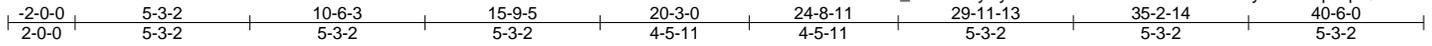
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-5-4, Corner(3) 37-5-4 to 40-5-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 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) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 2, 724 lb uplift at joint 15 and 470 lb uplift at joint 10.
  - 10) This truss is designed in accordance with the 2009 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.

**LOAD CASE(S)** Standard

Job 162634	Truss O3	Truss Type Piggyback Base	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:08 2016 Page 1  
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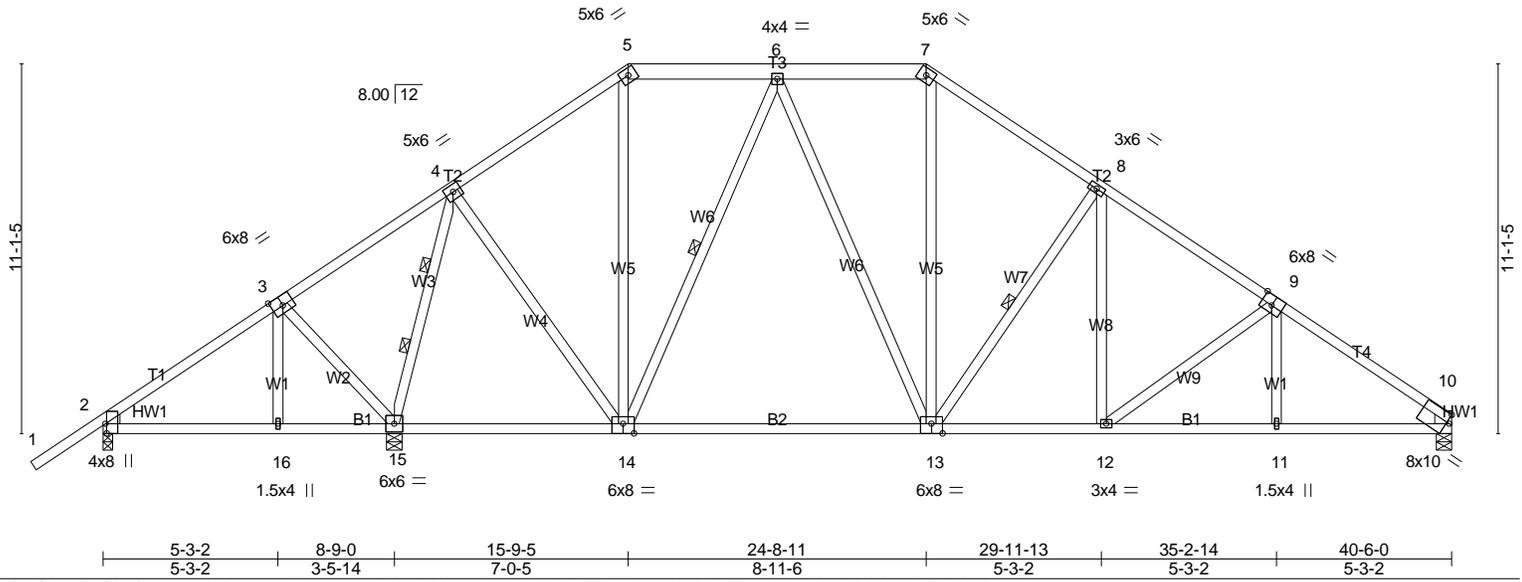


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,Edge], [9:0-4-0,Edge], [10:Edge,0-3-2], [13:0-4-0,Edge], [14:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.82	Vert(LL)	-0.35 13-14	>999	360	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.74	Vert(TL)	-0.61 13-14	>623	240		
TCDL 10.0	Lumber DOL 1.15	WB 0.87	Horz(TL)	0.09 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)						
BCDL 10.0	Code IRC2009/TPI2007						Weight: 218 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E \*Except\*  
T3: 2x6 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
WEBS 2x4 HF/SPF Stud/Std  
WEDGE  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
TOP CHORD Sheathed or 3-4-15 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, Except:  
6-0-0 oc bracing: 2-16, 15-16.  
WEBS 1 Row at midpt 6-14, 8-13  
2 Rows at 1/3 pts 4-15

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

**REACTIONS.** (lb/size) 2=417/0-3-8 (min. 0-1-8), 15=2544/0-5-9 (min. 0-5-4), 10=1670/0-5-8 (min. 0-3-7)  
Max Horz 2=79(LC 5)  
Max Uplift 2=-210(LC 5), 15=-719(LC 5), 10=-475(LC 5)  
Max Grav 2=503(LC 8), 15=3332(LC 12), 10=2198(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-17=-34/250, 3-18=-22/328, 4-18=-8/702, 4-5=-1332/475, 5-19=-929/463, 6-19=-929/463,  
6-20=-1537/600, 7-20=-1536/600, 7-8=-2067/640, 8-21=-2564/678, 9-21=-2773/653,  
9-22=-3278/714, 10-22=-3406/698  
BOT CHORD 15-23=0/269, 23-24=0/269, 14-24=0/269, 14-25=-65/1285, 25-26=-65/1285, 13-26=-65/1285,  
13-27=-294/2133, 12-27=-294/2133, 11-12=-477/2620, 10-11=-477/2622  
WEBS 3-15=-681/215, 4-15=-2731/596, 4-14=-155/1210, 6-14=-938/251, 6-13=-95/762,  
7-13=-138/494, 8-13=-1027/330, 8-12=-105/465, 9-12=-604/227

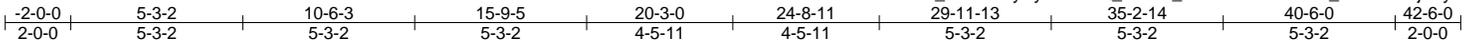
- NOTES-**
- Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-3-4, Corner(3) 37-3-4 to 40-3-4; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 2, 719 lb uplift at joint 15 and 475 lb uplift at joint 10.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 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

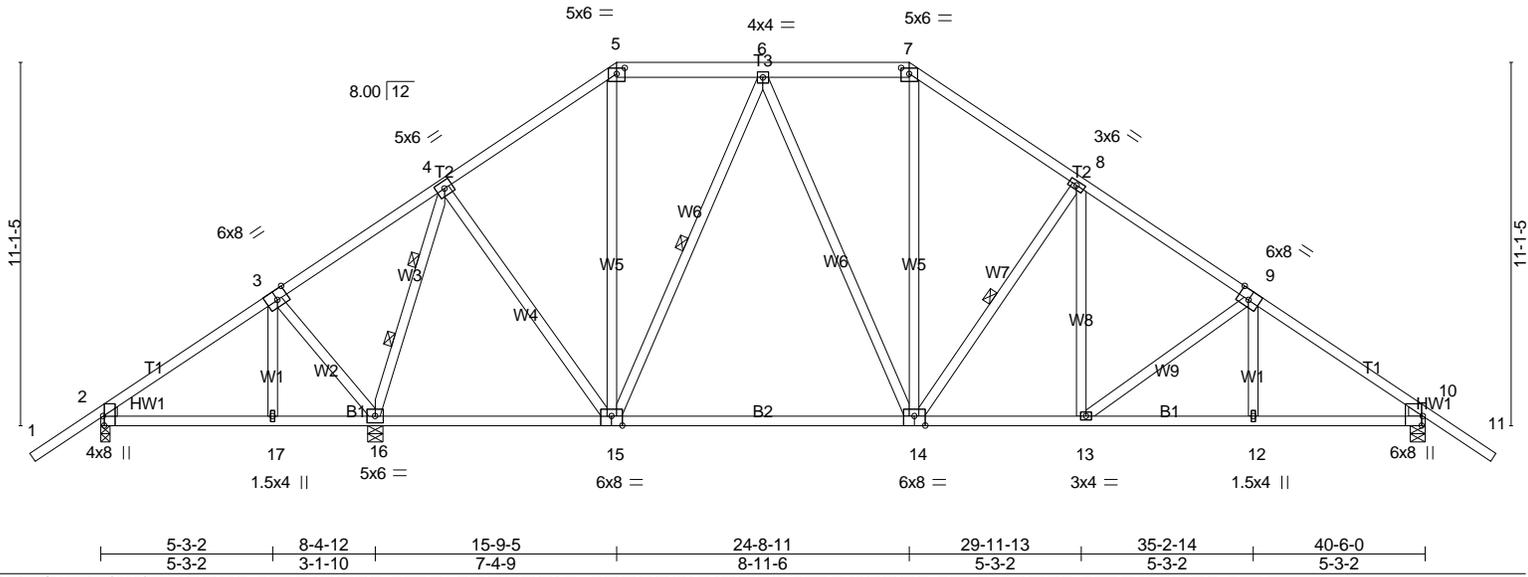
Job 162634	Truss O4	Truss Type Piggyback Base	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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Scale = 1:70.1



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	30.0	Plate Grip DOL	2-0-0	TC	0.90	Vert(LL)	-0.35 14-15 >999 360	MT20	185/144		
(Roof Snow=30.0)		Lumber DOL	1.15	BC	0.85	Vert(TL)	-0.61 14-15 >632 240				
TCDL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.09 10 n/a n/a				
BCLL	0.0 *	Code IRC2009/TPI2007		(Matrix)							
BCDL	10.0										Weight: 221 lb FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SPF 1650F 1.5E *Except* T3: 2x6 SPF 1650F 1.5E	TOP CHORD	Sheathed or 3-6-8 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD	2x4 SPF 1650F 1.5E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-17,16-17.
WEBS	2x4 HF/SPF Stud/Std	WEBS	1 Row at midpt 6-15, 8-14 2 Rows at 1/3 pts 4-16
WEDGE			
Left:	2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E		

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

**REACTIONS.** (lb/size) 2=392/0-3-8 (min. 0-1-8), 16=2547/0-5-9 (min. 0-5-4), 10=1884/0-5-8 (min. 0-3-13)  
Max Uplift2=-227(LC 5), 16=-683(LC 5), 10=-635(LC 5)  
Max Grav2=480(LC 8), 16=3342(LC 12), 10=2418(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-18=-6/280, 3-19=0/341, 4-19=0/722, 4-5=-1408/505, 5-20=-975/481, 6-20=-975/481,  
6-21=-1552/602, 7-21=-1551/602, 7-8=-2106/651, 8-22=-2415/675, 9-22=-2796/650,  
9-23=-3243/673, 10-23=-3387/646  
BOT CHORD 16-24=0/355, 24-25=0/355, 15-25=0/355, 15-26=-4/1321, 26-27=-4/1321, 14-27=-4/1321,  
14-28=-217/2160, 13-28=-217/2160, 12-13=-354/2593, 10-12=-353/2595  
WEBS 3-16=-660/211, 4-16=-2751/563, 4-15=-99/1135, 5-15=-94/300, 6-15=-927/251,  
6-14=-53/673, 7-14=-175/569, 8-14=-1045/330, 8-13=-79/435, 9-13=-538/170

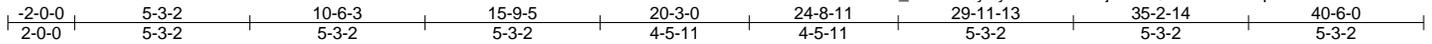
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) -2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 39-7-0, Corner(3) 39-7-0 to 42-7-0; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCDL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 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 227 lb uplift at joint 2, 683 lb uplift at joint 16 and 635 lb uplift at joint 10.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 10) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 11) 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 162634	Truss O5	Truss Type Piggyback Base	Qty 3	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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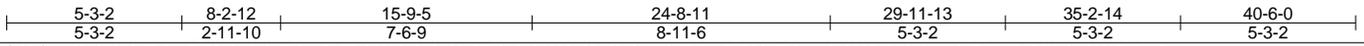
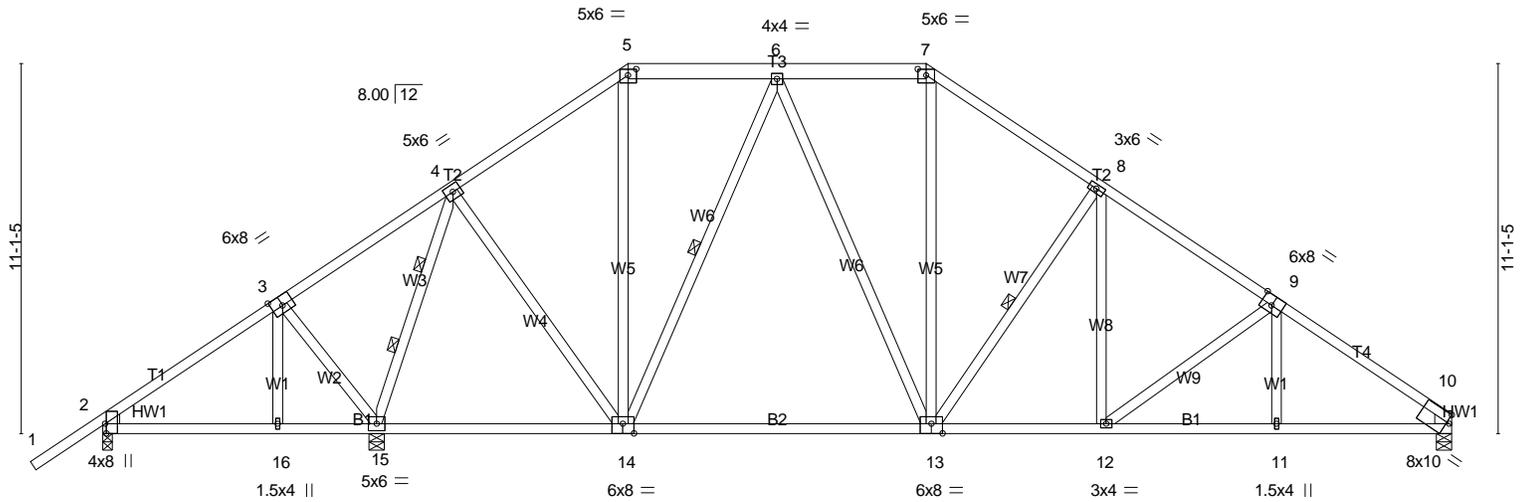


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,Edge], [5:0-3-0,0-2-3], [7:0-3-0,0-2-3], [9:0-4-0,Edge], [10:Edge,0-3-2], [13:0-4-0,Edge], [14:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.83	Vert(LL)	-0.35 13-14	>999	360	MT20	185/144
(Roof Snow=30.0)	Plate Grip DOL 1.15	BC 0.75	Vert(TL)	-0.60 13-14	>636	240		
TCDL 10.0	Lumber DOL 1.15	WB 0.90	Horz(TL)	0.09 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)						
BCDL 10.0	Code IRC2009/TPI2007						Weight: 218 lb	FT = 20%

**LUMBER-**  
**TOP CHORD** 2x4 SPF 1650F 1.5E \*Except\*  
T3: 2x6 SPF 1650F 1.5E  
**BOT CHORD** 2x4 SPF 1650F 1.5E  
**WEBS** 2x4 HF/SPF Stud/Std  
**WEDGE**  
Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING-**  
**TOP CHORD** Sheathed or 3-4-7 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, Except:  
6-0-0 oc bracing: 2-16, 15-16.  
**WEBS** 1 Row at midpt 6-14, 8-13  
2 Rows at 1/3 pts 4-15

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

**REACTIONS.** (lb/size) 2=378/0-3-8 (min. 0-1-8), 15=2562/0-5-8 (min. 0-5-4), 10=1702/0-5-8 (min. 0-3-8)  
Max Horz 2=79(LC 5)  
Max Uplift 2=196(LC 5), 15=724(LC 5), 10=483(LC 5)  
Max Grav 2=462(LC 8), 15=3358(LC 12), 10=2239(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 3-17=-57/300, 3-18=-29/351, 4-18=-4/732, 4-5=-1448/499, 5-19=-1009/476,  
6-19=-1009/476, 6-20=-1581/606, 7-20=-1580/606, 7-8=-2140/655, 8-21=-2462/692,  
9-21=-2842/667, 9-22=-3342/727, 10-22=-3471/711  
**BOT CHORD** 15-23=0/402, 23-24=0/402, 14-24=0/402, 14-25=-83/1343, 25-26=-83/1343, 13-26=-83/1343,  
13-27=-308/2195, 12-27=-308/2195, 11-12=-487/2671, 10-11=-486/2673  
**WEBS** 3-15=-654/213, 4-15=-2770/604, 4-14=-116/1114, 5-14=-90/315, 6-14=-924/263,  
6-13=-65/667, 7-13=-176/586, 8-13=-1057/343, 8-12=-102/458, 9-12=-590/222

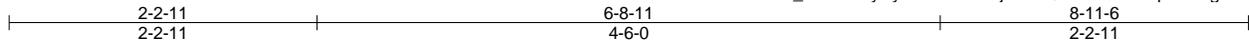
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) 2-1-0 to 0-11-0, Exterior(2) 0-11-0 to 37-3-4, Corner(3) 37-3-4 to 40-3-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 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 196 lb uplift at joint 2, 724 lb uplift at joint 15 and 483 lb uplift at joint 10.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 10) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 11) 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 162634	Truss PB1	Truss Type Roof Special	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

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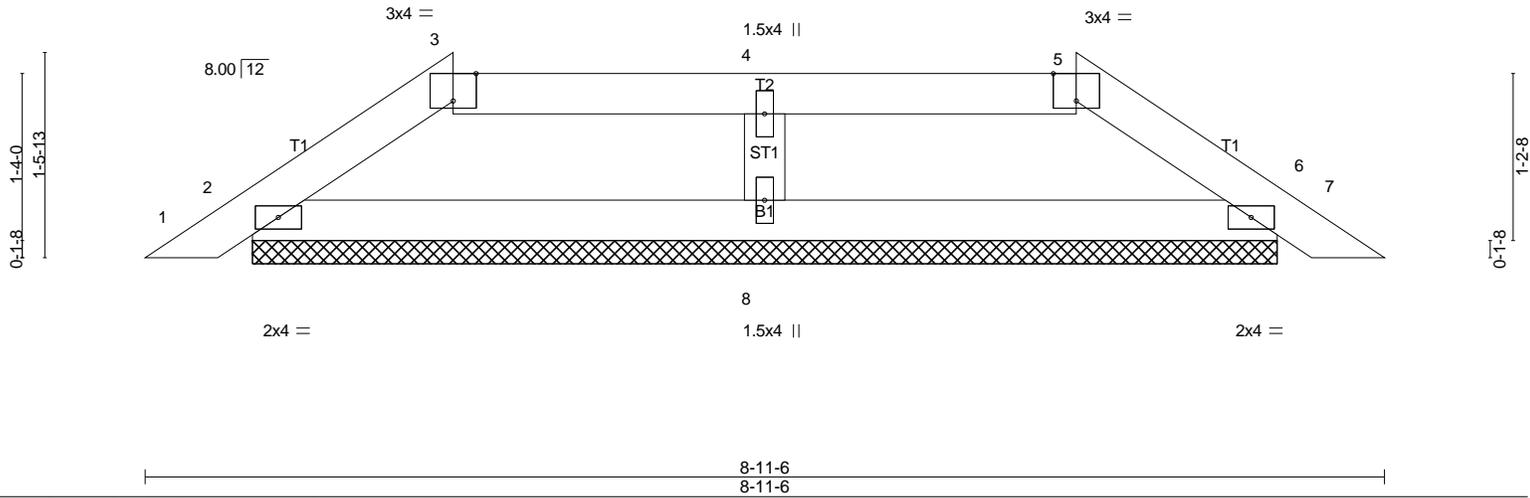


Plate Offsets (X,Y)-- [3:0-2-0,Edge], [5:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.08 BC 0.08 WB 0.09 (Matrix)	Vert(LL) -0.00 Vert(TL) 0.00 Horz(TL) 0.00 Wind(LL) -0.00	6 6 6 6	n/r n/r n/a n/r	120 80 n/a 180	MT20	185/144
TCDL 10.0	Rep Stress Incr YES						Weight: 20 lb	FT = 20%
BCLL 0.0 *	Code IRC2009/TPI2007							
BCDL 10.0								

**LUMBER-**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 OTHERS 2x4 HF/SPF Stud/Std

**BRACING-**  
 TOP CHORD Sheathed or 6-0-0 oc purlins, except  
 2-0-0 oc purlins (6-0-0 max.): 3-5.  
 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=252/7-4-12 (min. 0-1-8), 6=252/7-4-12 (min. 0-1-8), 8=318/7-4-12 (min. 0-1-8)  
 Max Uplift2=-136(LC 3), 6=-136(LC 3), 8=-150(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-257/142, 5-6=-257/142

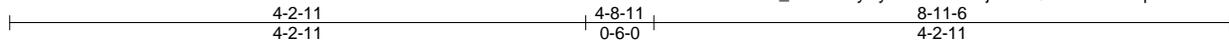
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Corner(3) 0-3-2 to 2-2-11, Exterior(2) 2-2-11 to 6-8-11, Corner(3) 6-8-11 to 8-8-4; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - 4) Provide adequate drainage to prevent water ponding.
  - 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 136 lb uplift at joint 2, 136 lb uplift at joint 6 and 150 lb uplift at joint 8.
  - 9) This truss is designed in accordance with the 2009 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) 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

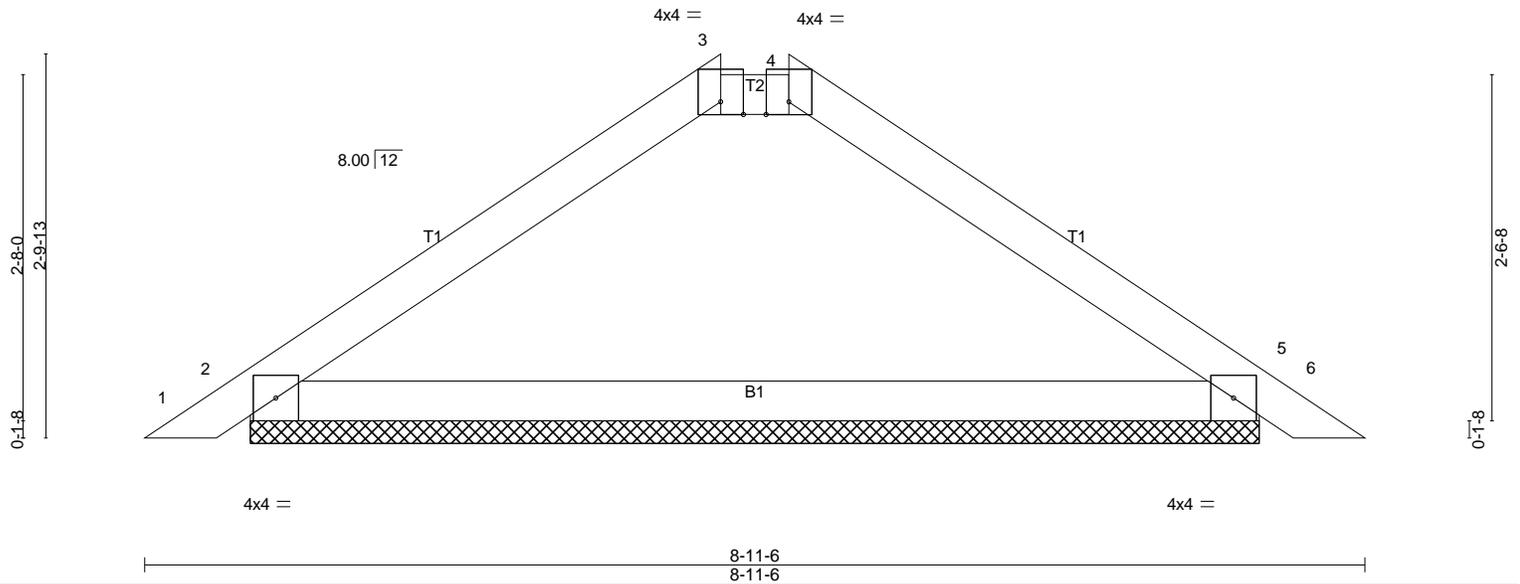
Job 162634	Truss PB2	Truss Type ROOF SPECIAL	Qty 2	Ply 1	Job Reference (optional)
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Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:10 2016 Page 1  
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Scale = 1:16.8



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	30.0	Plate Grip DOL	2-0-0	TC	0.30	Vert(LL)	0.02	6	n/r	120	MT20	197/144	
(Roof Snow=30.0)		Lumber DOL	1.15	BC	0.28	Vert(TL)	0.03	6	n/r	80			
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	5	n/a	n/a			
BCLL	0.0 *	Code IRC2009/TPI2007		(Matrix)		Wind(LL)	-0.01	6	n/r	180			
BCDL	10.0										Weight: 21 lb	FT = 20%	

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E

**BRACING-**  
TOP CHORD Sheathed or 6-0-0 oc purlins, except  
2-0-0 oc purlins (6-0-0 max.): 3-4.  
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=411/7-4-12 (min. 0-2-1), 5=411/7-4-12 (min. 0-2-1)  
Max Uplift2=-174(LC 5), 5=-174(LC 5)  
Max Grav2=665(LC 12), 5=665(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-7=-626/152, 7-8=-532/155, 3-8=-474/163, 3-4=-443/186, 4-9=-474/163, 9-10=-532/155,  
5-10=-626/152  
BOT CHORD 2-5=-46/443

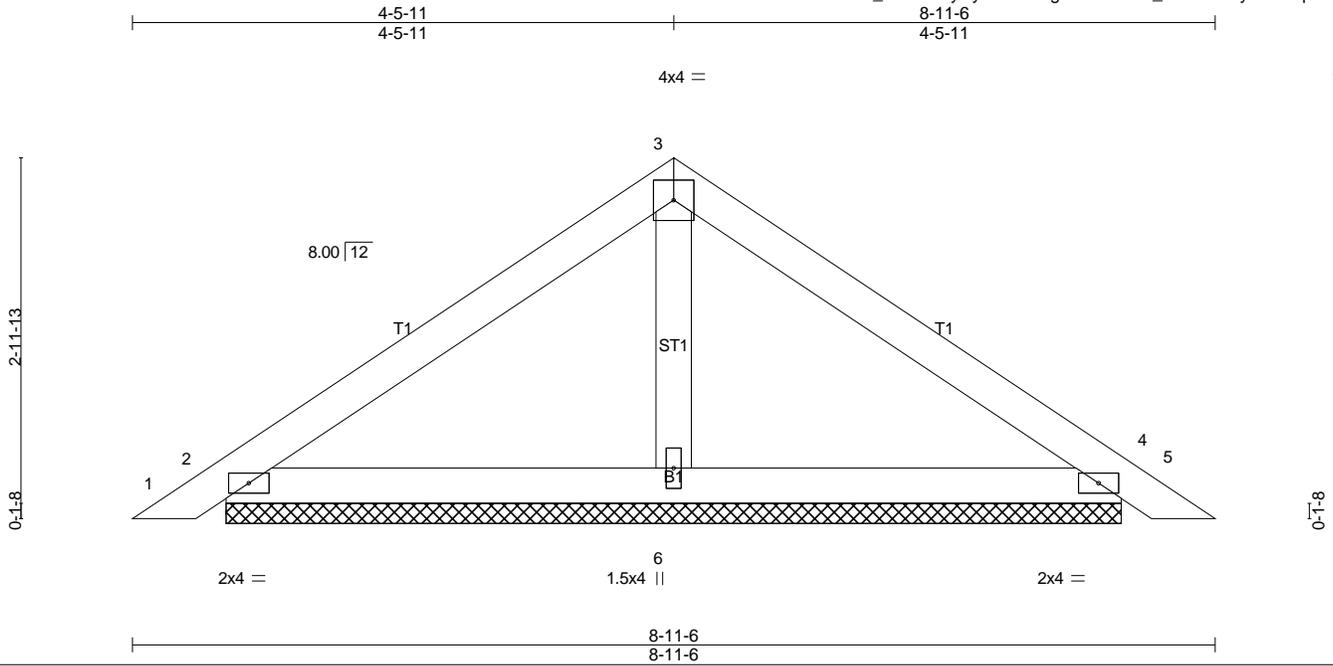
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Exterior(2); Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - 5) Provide adequate drainage to prevent water ponding.
  - 6) Gable requires continuous bottom chord bearing.
  - 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 174 lb uplift at joint 2 and 174 lb uplift at joint 5.
  - 10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 11) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
  - 13) 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	Truss	Truss Type	Qty	Ply	Job Reference (optional)
162634	PB3	Piggyback	11	1	

Foxworth-Galbraith Truss Co., Anthony, TX 79821, Jesus Duarte

Run: 7.640 s Nov 10 2015 Print: 7.640 s Nov 10 2015 MiTek Industries, Inc. Thu Dec 01 07:57:11 2016 Page 1  
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Scale = 1:18.9

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 30.0 (Roof Snow=30.0)	2-0-0	TC 0.24	in (loc) l/defl L/d	MT20	185/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) -0.00 5 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Vert(TL) 0.00 5 n/r 80		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 4 n/a n/a		
	Code IRC2009/TPI2007		Wind(LL) -0.01 5 n/r 180	Weight: 23 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF 1650F 1.5E  
BOT CHORD 2x4 SPF 1650F 1.5E  
OTHERS 2x4 HF/SPF Stud/Std

**BRACING-**  
TOP CHORD Sheathed 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=252/7-4-12 (min. 0-1-8), 4=252/7-4-12 (min. 0-1-8), 6=318/7-4-12 (min. 0-1-8)  
Max Uplift2=-141(LC 5), 4=-141(LC 5), 6=-57(LC 5)

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

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.8psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; enclosed; C-C Exterior(2); Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 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 2.00 times flat roof load of 30.0 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 141 lb uplift at joint 2, 141 lb uplift at joint 4 and 57 lb uplift at joint 6.
  - 9) This truss is designed in accordance with the 2009 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.

**LOAD CASE(S)** Standard