

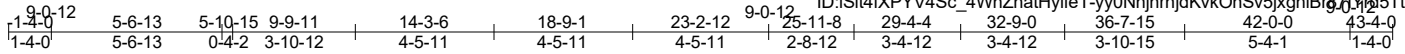
CUSTOMER:	JAY STUESSER	DESIGNER:	BT
PROJECT:	STUESSER RESIDENCE	SCALE:	N.T.S.
PLAN:	SFD		
OPTION:	N/A		
JOB #:	J19-248		

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A01	California Girder	1	2	Job Reference (optional)

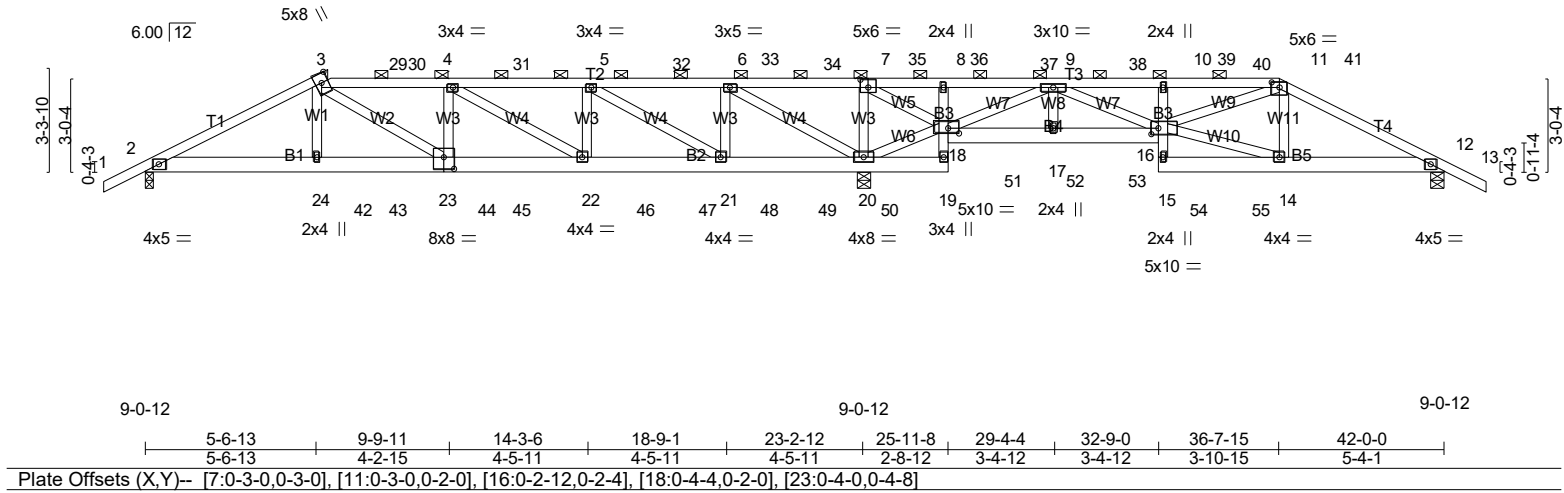
STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:12 2019 Page 1

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Scale = 1:74.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.50	Vert(LL) -0.05 22-23 >999 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.42	Vert(CT) -0.17 22-23 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MSH	Horz(CT) 0.05 12 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.03 23 >999 360	Weight: 472 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-11.
BOT CHORD 2x6 DF SS G *Except* B3: 2x4 DF Std G	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 19-20,18-19.
WEBS 2x4 DF Std G	

**REACTIONS.** (lb/size) 2=1564/0-3-8 (min. 0-1-8), 12=1080/0-5-8 (min. 0-1-8), 20=4531/0-5-8 (min. 0-2-8)  
 Max Horz 2=-35(LC 8)  
 Max Uplift 2=-39(LC 10), 12=-6(LC 11), 20=-86(LC 10)  
 Max Grav 2=1800(LC 29), 12=1310(LC 29), 20=4745(LC 28)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-3215/97, 3-29=-3201/137, 29-30=-3201/137, 4-30=-3201/137, 4-31=-2452/145, 5-31=-2452/145, 5-32=-309/103, 32-33=-309/103, 6-33=-309/103, 6-34=-7/3122, 34-35=-7/3122, 7-35=-7/3122, 7-36=-43/1991, 8-36=-43/1991, 8-37=-42/1931, 9-37=-42/1931, 9-38=-2328/0, 38-39=-2328/0, 10-39=-2328/0, 10-40=-2326/8, 40-41=-2326/8, 11-41=-2326/8, 11-12=-2006/15  
 BOT CHORD 2-24=-49/2809, 24-42=-52/2793, 42-43=-52/2793, 23-43=-52/2793, 23-44=-94/3207, 44-45=-94/3207, 22-45=-94/3207, 22-46=-101/2452, 46-47=-101/2452, 21-47=-101/2452, 21-48=-83/309, 48-49=-83/309, 20-49=-83/309, 20-50=-393/2, 19-50=-393/2, 8-18=-349/51, 18-51=0/881, 17-51=0/881, 17-52=0/881, 52-53=0/881, 16-53=0/881, 10-16=-565/101, 15-54=0/312, 54-55=0/312, 14-55=0/312, 12-14=0/1694  
 WEBS 3-24=0/326, 3-23=-151/688, 4-22=-921/0, 5-22=0/734, 5-21=-2550/54, 6-21=0/1406, 6-20=-3921/122, 7-20=-1267/75, 18-20=-2828/72, 7-18=0/1330, 9-18=-3078/2, 9-17=0/270, 9-16=-29/1692, 14-16=0/1427, 11-16=-48/860

- 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, 2x4 - 1 row 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 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCCL=8.4psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A01	California Girder	1	2	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:13 2019 Page 2  
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**NOTES-**

- 10) A plate rating reduction of 20% has been applied for the green lumber members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 20.
- 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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) 422 lb down and 98 lb up at 5-8-9, 196 lb down and 92 lb up at 8-0-12, 178 lb down and 95 lb up at 10-0-12, 164 lb down and 95 lb up at 12-0-12, 164 lb down and 95 lb up at 14-0-12, 164 lb down and 96 lb up at 16-0-12, 163 lb down and 95 lb up at 18-0-12, 163 lb down and 96 lb up at 20-0-12, 163 lb down and 96 lb up at 21-11-4, 163 lb down and 95 lb up at 23-11-4, 136 lb down and 85 lb up at 25-11-4, 136 lb down and 85 lb up at 27-11-4, 136 lb down and 85 lb up at 29-11-4, 150 lb down and 85 lb up at 31-11-4, and 196 lb down and 92 lb up at 33-11-4, and 422 lb down and 98 lb up at 36-0-7 on top chord, and 73 lb down at 6-0-12, 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 16-0-12, 75 lb down at 18-0-12, 75 lb down at 20-0-12, 75 lb down at 21-11-4, 75 lb down at 23-11-4, 91 lb down at 25-9-12, 91 lb down at 27-11-4, 91 lb down at 29-11-4, 91 lb down at 31-11-4, and 74 lb down at 33-11-4, and 73 lb down at 35-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-3=-68, 3-11=-68, 11-13=-68, 2-19=-20, 16-18=-20, 12-15=-20

Concentrated Loads (lb)

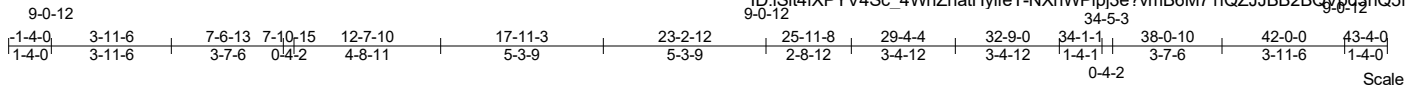
Vert: 3=-343 19=-91(B) 8=-81 4=-123 22=-61(B) 5=-109 29=-143 31=-109 32=-109 33=-108 34=-108 35=-108 36=-108 37=-81 38=-81 39=-95 40=-143 41=-343 42=-60(B) 43=-62(B) 44=-61(B) 45=-61(B) 46=-61(B) 47=-63(B) 48=-63(B) 49=-63(B) 50=-63(B) 51=-91(B) 52=-91(B) 53=-91(B) 54=-62(B) 55=-60(B)

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A02	California	1	1	

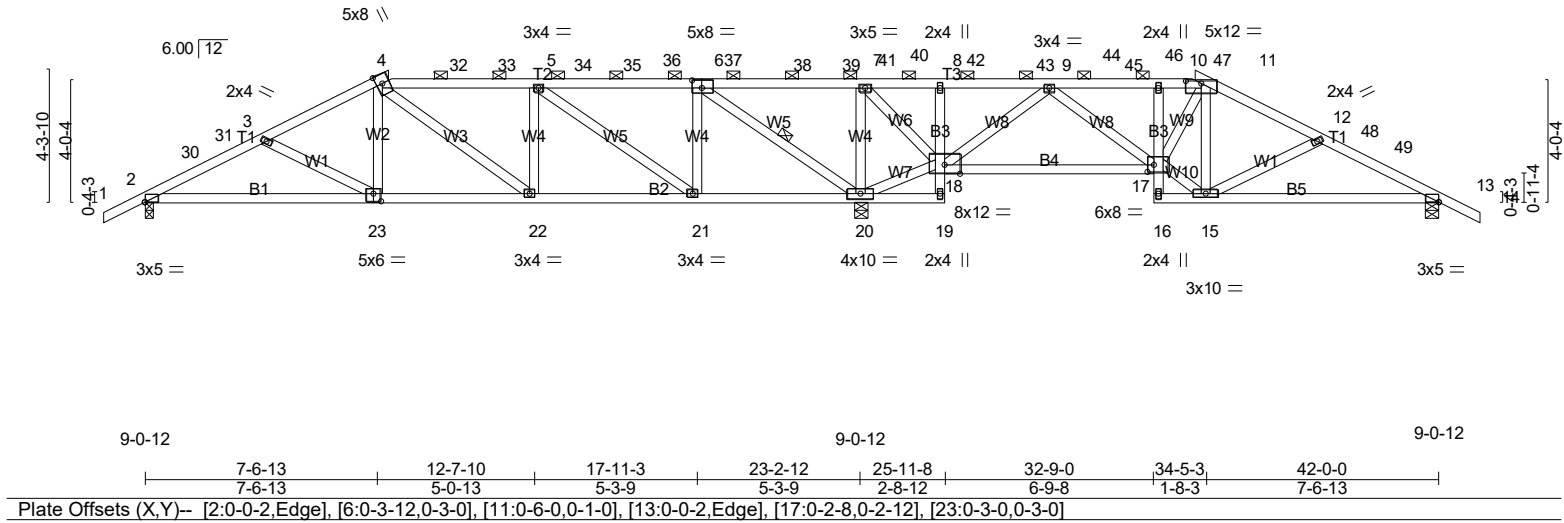
STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:15 2019 Page 1

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Scale = 1:74.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.53	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.33	Vert(LL) -0.06 17-18 >999 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.81	Vert(CT) -0.21 17-18 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.06 13 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.03 22 >999 360	Weight: 218 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 4-9-2 oc purlins, except 2-0-0 oc purlins (5-4-13 max.): 4-11.
BOT CHORD 2x4 DF No.1&Btr G *Except* B3: 2x4 DF Std G	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 DF Std G	WEBS 1 Row at midpt 6-20

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

**REACTIONS.** (lb/size) 2=950/0-3-8 (min. 0-1-8), 13=697/0-5-8 (min. 0-1-8), 20=2388/0-5-8 (min. 0-3-5)  
 Max Horz 2=45(LC 13)  
 Max Uplift 2=-38(LC 14), 13=-27(LC 15), 20=-138(LC 14)  
 Max Grav 2=1238(LC 33), 13=972(LC 33), 20=3093(LC 32)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-30=-1875/227, 30-31=-1831/237, 3-31=-1747/248, 3-4=-1474/200, 4-32=-1329/193,  
 32-33=-1329/193, 33-34=-1329/193, 5-34=-1329/193, 5-35=-401/109, 35-36=-401/109,  
 36-37=-401/109, 6-37=-401/109, 6-38=-44/1481, 38-39=-44/1481, 39-40=-44/1481,  
 40-41=-44/1481, 7-41=-44/1481, 7-42=-25/878, 8-42=-25/878, 8-43=-27/860,  
 43-44=-27/860, 9-44=-27/860, 9-45=-794/128, 45-46=-794/128, 46-47=-794/128,  
 10-47=-794/128, 10-11=-772/130, 11-12=-859/137, 12-48=-1170/189, 48-49=-1254/178,  
 13-49=-1298/168  
 BOT CHORD 2-23=-148/1638, 22-23=-37/1242, 21-22=-55/1329, 20-21=-30/371, 8-18=-270/40,  
 10-17=-274/53, 13-15=-107/1125  
 WEBS 3-23=-446/145, 4-23=-14/343, 4-22=-273/110, 5-22=0/261, 5-21=-1134/107, 6-21=-14/750,  
 6-20=-2286/175, 7-20=-1115/91, 18-20=-1481/226, 7-18=-28/887, 9-18=-1344/153,  
 9-17=-46/786, 15-17=0/826, 11-17=-23/278, 12-15=-499/138

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 7-8-9, Exterior(2) 7-8-9 to 13-7-14, Interior(1) 13-7-14 to 34-3-7, Exterior(2) 34-3-7 to 40-2-11, Interior(1) 40-2-11 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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.
  - 8) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13 except (jt=lb) 20=138.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A02	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

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**NOTES-**

- 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 122 lb up at 7-8-9, 95 lb down and 83 lb up at 10-0-12, 81 lb down and 86 lb up at 12-0-12, 57 lb down and 86 lb up at 14-0-12, 55 lb down and 86 lb up at 16-0-12, 52 lb down and 84 lb up at 18-0-12, 52 lb down and 84 lb up at 20-0-12, 52 lb down and 84 lb up at 21-11-4, 52 lb down and 84 lb up at 23-11-4, 55 lb down and 86 lb up at 25-11-4, 57 lb down and 86 lb up at 27-11-4, 81 lb down and 86 lb up at 29-11-4, and 95 lb down and 83 lb up at 31-11-4, and 88 lb down and 122 lb up at 34-3-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

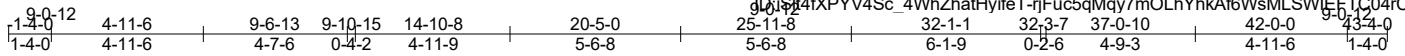
**LOAD CASE(S)** Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
  - Uniform Loads (plf)
    - Vert: 1-4=-68, 4-11=-68, 11-14=-68, 19-24=-20, 17-18=-20, 16-27=-20
  - Concentrated Loads (lb)
    - Vert: 4=-9 11=-9 32=-42 34=-26 36=-2 43=-2 45=-26 47=-42

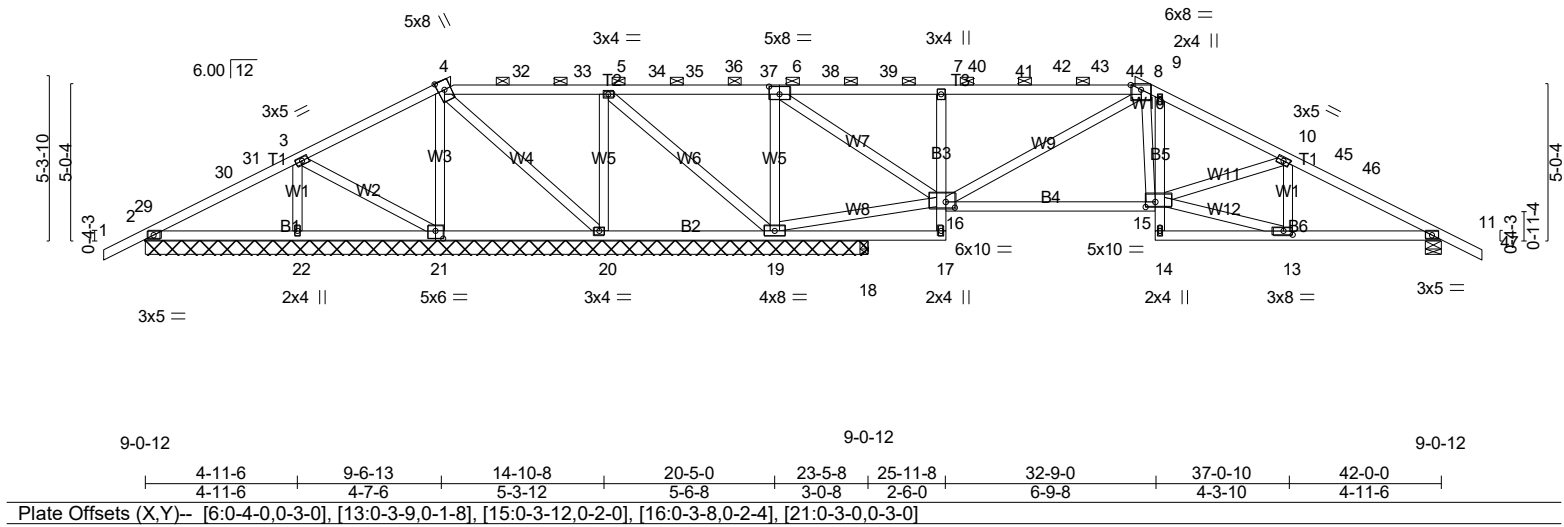
Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A03	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

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Scale = 1:74.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2.0-0	TC 0.57	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.42	Vert(LL) -0.07 15-16 >999 240		
TCDL 14.0	Rep Stress Incr YES	WB 0.90	Vert(CT) -0.26 15-16 >857 180		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MSH	Horz(CT) 0.04 11 n/a n/a		
BCDL 10.0			Wind(LL) 0.02 15 >999 360	Weight: 228 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 4-8-6 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD 2x4 DF No.1&Btr G *Except* B3,B5: 2x4 DF Std G	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 15-16,14-15,11-13.
WEBS 2x4 DF Std G	

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

**REACTIONS.** All bearings 23-5-8 except (jt=length) 11=0-5-8, 18=0-3-8.  
 (lb) - Max Horz 2=56(LC 55)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 11, 22, 20 except 19=-136(LC 15)  
 Max Grav All reactions 250 lb or less at joint(s) 18 except 2=438(LC 33), 11=1230(LC 33), 22=521(LC 33), 20=577(LC 32), 19=2090(LC 32), 2=278(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 3-4=0/290, 4-32=0/425, 32-33=0/425, 33-34=0/425, 5-34=0/425, 5-35=-0/902, 35-36=-0/902, 36-37=-0/902, 37-38=-0/902, 6-38=-0/902, 6-39=-485/126, 39-40=-485/126, 7-40=-485/126, 7-41=-516/130, 41-42=-516/130, 42-43=-516/130, 43-44=-516/130, 8-44=-516/130, 8-9=-1245/205, 9-10=-1460/189, 10-45=-1627/197, 45-46=-1709/182, 11-46=-1824/179  
 BOT CHORD 19-20=-425/122, 7-16=-700/125, 15-16=-6/1146, 9-15=-66/359, 11-13=-107/1544  
 WEBS 3-22=-390/107, 4-20=-358/43, 5-19=-651/86, 6-19=-1497/161, 16-19=-744/186, 6-16=-128/1555, 8-16=-896/92, 13-15=-92/1529, 10-15=-376/132, 8-15=-108/556

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 9-8-9, Exterior(2) 9-8-9 to 15-7-14, Interior(1) 15-7-14 to 32-3-7, Exterior(2) 32-3-7 to 38-2-11, Interior(1) 38-2-11 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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.
  - 8) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 21, 11, 22, 20, 2 except (jt=lb) 19=136.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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	Stuesser Residence
J19-248	A03	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:16 2019 Page 2  
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**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 78 lb down and 117 lb up at 9-8-9, 104 lb down and 84 lb up at 12-0-12, 98 lb down and 88 lb up at 14-0-12, 63 lb down and 88 lb up at 16-0-12, 56 lb down and 88 lb up at 18-0-12, 56 lb down and 88 lb up at 20-0-12, 56 lb down and 88 lb up at 21-11-4, 56 lb down and 88 lb up at 23-11-4, 63 lb down and 88 lb up at 25-11-4, 98 lb down and 88 lb up at 27-11-4, and 104 lb down and 84 lb up at 29-11-4, and 78 lb down and 117 lb up at 32-3-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

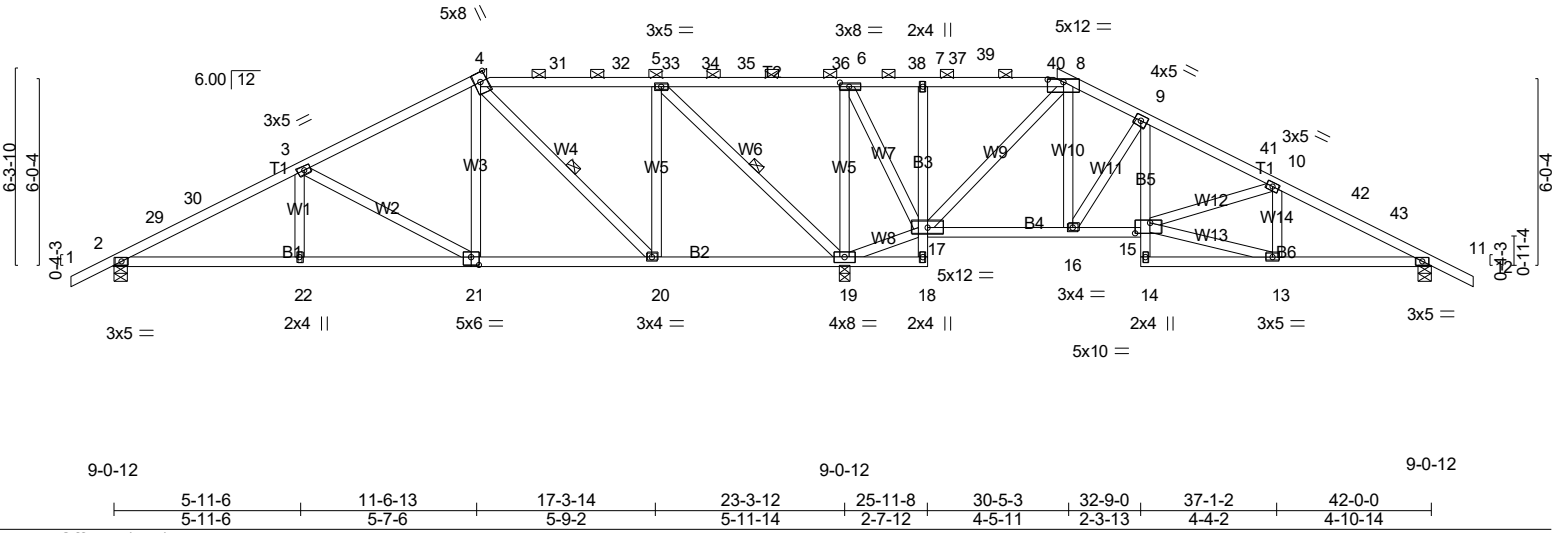
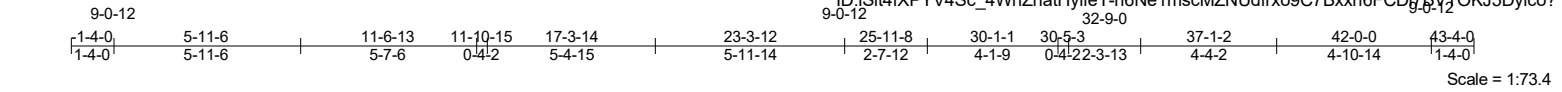
**LOAD CASE(S)** Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-4=-68, 4-8=-68, 8-12=-68, 17-23=-20, 15-16=-20, 14-26=-20  
 Concentrated Loads (lb)  
 Vert: 7=-7 32=-50 33=-42 36=-7 43=-42 44=-50

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A04	California	1	1	

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:18 2019 Page 1  
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.39	Vert(LL) -0.06 22-25 >999 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.95	Vert(CT) -0.16 22-25 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.06 11 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.03 22-25 >999 360	Weight: 239 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 4-7-13 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD 2x4 DF No.1&Btr G *Except* B3,B5: 2x4 DF Std G	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 18-19,17-18,16-17.
WEBS 2x4 DF Std G	WEBS 1 Row at midpt 4-20, 5-19

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

**REACTIONS.** (lb/size) 2=914/0-5-8 (min. 0-1-8), 11=628/0-5-8 (min. 0-1-8), 19=2595/0-3-8 (min. 0-3-3)  
 Max Horz 2=66(LC 55)  
 Max Uplift 2=-28(LC 14), 11=-22(LC 15), 19=-92(LC 14)  
 Max Grav 2=1268(LC 33), 11=940(LC 33), 19=2976(LC 33)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-29=-1849/166, 29-30=-1759/174, 3-30=-1757/199, 3-4=-1077/183, 4-31=-345/142, 31-32=-345/142, 5-32=-345/142, 5-33=0/1240, 33-34=0/1240, 34-35=0/1240, 35-36=0/1240, 6-36=0/1240, 6-37=0/822, 37-38=0/822, 38-39=0/822, 7-39=0/822, 7-40=0/810, 8-40=0/810, 8-9=-256/109, 9-41=-653/116, 10-41=-756/88, 10-42=-1098/119, 42-43=-1116/100, 11-43=-1197/94  
 BOT CHORD 2-22=-88/1574, 21-22=-88/1574, 20-21=-17/822, 19-20=-122/345, 7-17=-352/76, 15-16=0/582, 9-15=-12/479, 11-13=-38/998  
 WEBS 3-21=-909/142, 4-21=-21/547, 4-20=-910/80, 5-20=-4/764, 5-19=-1843/153, 6-19=-1172/109, 17-19=-1278/222, 6-17=-42/903, 8-17=-1260/113, 8-16=-66/689, 9-16=-762/118, 13-15=-44/974, 10-15=-509/91

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 11-8-9, Exterior(2) 11-8-9 to 17-7-14, Interior(1) 17-7-14 to 30-3-7, Exterior(2) 30-3-7 to 36-2-11, Interior(1) 36-2-11 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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.
  - 8) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 19.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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	Stuesser Residence
J19-248	A04	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:18 2019 Page 2  
 ID:iSlit4fXPYV4Sc\_4WhZhatHyifeT-n6Ne1mscMZNudfrxo9C7Bxxh6FCDi7BVTOKJ5Dyico?

**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 118 lb up at 11-8-9, 110 lb down and 84 lb up at 14-0-12, 111 lb down and 88 lb up at 16-0-12, 71 lb down and 88 lb up at 18-0-12, 56 lb down and 88 lb up at 20-0-12, 56 lb down and 88 lb up at 21-11-4, 71 lb down and 88 lb up at 23-11-4, 111 lb down and 88 lb up at 25-11-4, and 110 lb down and 84 lb up at 27-11-4, and 84 lb down and 118 lb up at 30-3-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

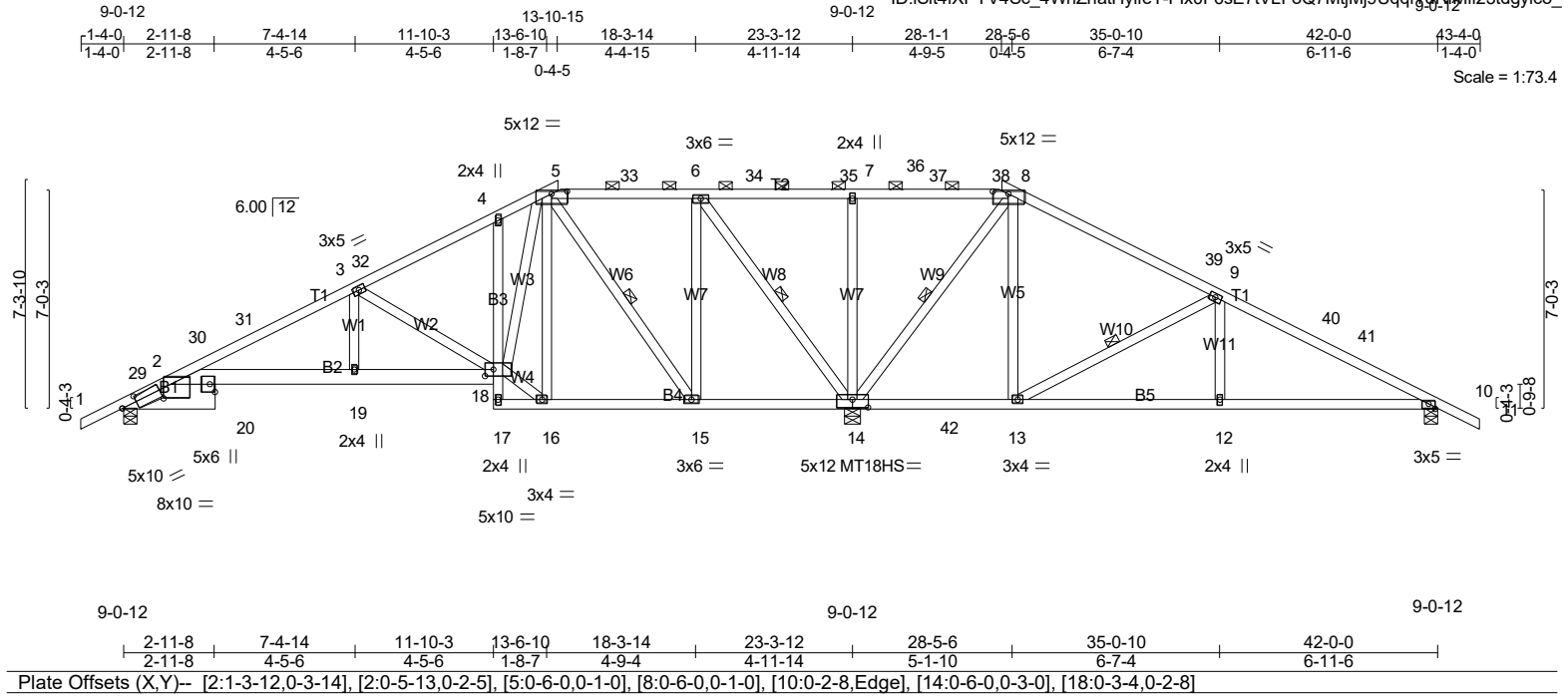
**LOAD CASE(S)** Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-4=-68, 4-8=-68, 8-12=-68, 18-23=-20, 15-17=-20, 14-26=-20  
 Concentrated Loads (lb)  
 Vert: 4=-4 8=-4 7=-55 31=-56 32=-55 34=-15 37=-15 40=-56

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A05	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:19 2019 Page 1  
ID: iSl4fXPYV4Sc\_4WhZhatHyifeT-Fix0F6sE7tVLFoQ7MjMj9Uqqf1dRfMfi23tdgyico



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.74	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.70	Vert(LL) -0.14 19-21 >999 240	MT18HS	220/195
TCDL 14.0	Lumber DOL 1.15	WB 0.63	Vert(CT) -0.32 19-21 >818 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.03 14 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.05 19-21 >999 360		
				Weight: 254 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-8.
BOT CHORD 2x4 DF No.1&Btr G *Except* B1: 2x10 DF No.2 G, B2: 2x6 DF SS G, B3: 2x4 DF Std G	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 DF Std G	WEBS 1 Row at midpt 5-15, 6-14, 8-14, 9-13

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

**REACTIONS.** (lb/size) 2=797/0-5-8 (min. 0-1-8), 14=2955/0-5-8 (min. 0-3-13), 10=468/0-5-8 (min. 0-1-8)  
 Max Horz 2=80(LC 13)  
 Max Uplift 2=-16(LC 14), 14=-63(LC 14), 10=-50(LC 57)  
 Max Grav 2=1041(LC 33), 14=3575(LC 33), 10=670(LC 37)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-30=-1711/122, 30-31=-1587/138, 3-31=-1576/162, 3-32=-717/121, 4-32=-694/152,  
 4-5=-598/199, 5-33=0/576, 6-33=0/576, 6-34=0/1690, 34-35=0/1690, 35-36=0/1690,  
 7-36=0/1690, 7-37=0/1690, 37-38=0/1690, 8-38=0/1690, 8-39=0/814, 9-39=-10/611,  
 9-40=-593/206, 40-41=-721/136, 10-41=-800/133  
 BOT CHORD 2-20=-32/1410, 19-20=-32/1410, 18-19=-32/1410, 4-18=-274/110, 15-16=-92/262,  
 14-15=-559/186, 14-42=-626/180, 13-42=-626/180, 12-13=-122/645, 10-12=-122/645  
 WEBS 3-19=0/471, 3-18=-1165/110, 5-18=-83/915, 5-15=-1207/95, 6-15=-36/1087,  
 6-14=-1925/148, 7-14=-604/109, 8-14=-1787/147, 8-13=-21/641, 9-13=-1180/151,  
 9-12=0/306

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 13-10-4, Exterior(2) 13-10-4 to 19-9-8, Interior(1) 19-9-8 to 28-3-9, Exterior(2) 28-3-9 to 34-2-14, Interior(1) 34-2-14 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 10.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A05	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:20 2019 Page 2  
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**NOTES-**

- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 101 lb down and 119 lb up at 13-10-4, 115 lb down and 84 lb up at 16-0-12, 121 lb down and 88 lb up at 18-0-12, 82 lb down and 88 lb up at 20-0-12, 82 lb down and 88 lb up at 21-11-4, 121 lb down and 88 lb up at 23-11-4, and 115 lb down and 84 lb up at 25-11-4, and 101 lb down and 118 lb up at 28-3-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-5=-68, 5-8=-68, 8-11=-68, 23-25=-20, 18-21=-20, 17-26=-20

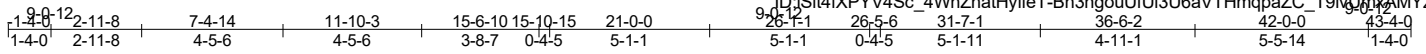
Concentrated Loads (lb)

Vert: 5=-22 8=-22 6=-65 33=-61 34=-26 35=-26 37=-65 38=-61

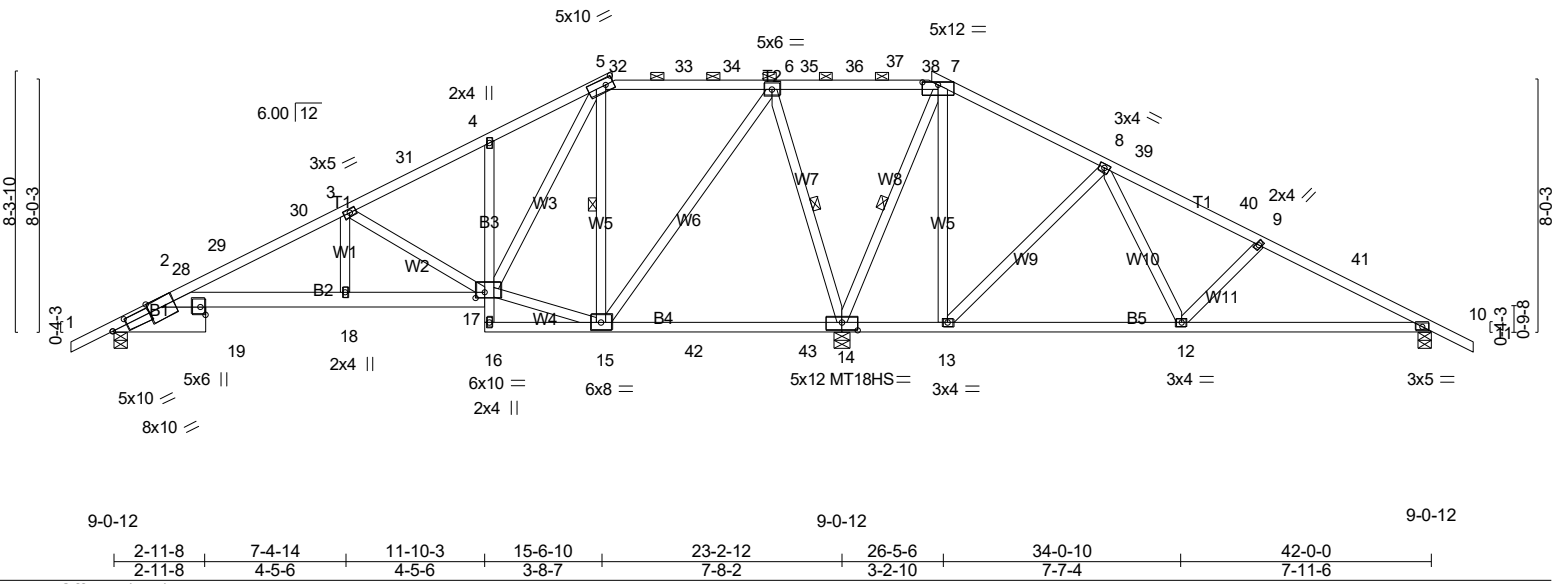
Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A06	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:21 2019 Page 1



Scale = 1:73.4



<b>LOADING (psf)</b> TCLL 20.0 (Roof Snow=20.0) TC DL 14.0 BC LL 0.0 * BC DL 10.0		<b>SPACING-</b> Plate Grip DOL 2-0-0 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014		<b>CSI.</b> TC 0.64 BC 0.66 WB 0.96 Matrix-MSH		<b>DEFL.</b> in (loc) l/defl L/d Vert(LL) -0.13 18-20 >999 240 Vert(CT) -0.31 18-20 >843 180 Horz(CT) 0.02 14 n/a n/a Wind(LL) 0.05 18-20 >999 360		<b>PLATES</b> MT20 MT18HS Weight: 253 lb		<b>GRIP</b> 220/195 220/195 FT = 20%	
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<b>LUMBER-</b> TOP CHORD 2x4 DF No.1&Btr G BOT CHORD 2x4 DF No.1&Btr G *Except* B1: 2x10 DF No.2 G, B2: 2x6 DF SS G, B3: 2x4 DF Std G WEBS 2x4 DF Std G	<b>BRACING-</b> TOP CHORD Structural wood sheathing directly applied or 4-9-9 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 5-15, 6-14, 7-14
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MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=776/0-5-8 (min. 0-1-8), 14=3133/0-5-8 (min. 0-4-3), 10=441/0-5-8 (min. 0-1-8)  
 Max Horz 2=90(LC 13)  
 Max Uplift 2=-16(LC 14), 14=-18(LC 14), 10=-53(LC 57)  
 Max Grav 2=965(LC 33), 14=3898(LC 33), 10=618(LC 37)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-28=-1639/103, 28-29=-1592/106, 29-30=-1518/121, 3-30=-1410/143, 3-31=-710/115,  
 4-31=-602/145, 4-5=-672/232, 6-36=0/1654, 36-37=0/1654, 37-38=0/1654, 7-38=0/1654,  
 7-8=0/1153, 8-39=-287/382, 39-40=-293/371, 9-40=-473/301, 9-41=-661/228,  
 10-41=-716/170  
 BOT CHORD 2-19=-37/1357, 18-19=-37/1357, 17-18=-37/1357, 4-17=-422/146, 15-42=-1075/191,  
 42-43=-1075/191, 14-43=-1075/191, 13-14=-957/203, 12-13=-464/132, 10-12=-152/605  
 WEBS 3-18=0/451, 3-17=-1129/86, 5-17=-142/1071, 5-15=-1207/104, 6-15=-95/1691,  
 6-14=-2086/214, 7-14=-1886/146, 7-13=-66/792, 8-13=-1016/152, 8-12=-2/637,  
 9-12=-534/95

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 15-6-11, Exterior(2) 15-6-11 to 21-5-15, Interior(1) 21-5-15 to 26-3-9, Exterior(2) 26-3-9 to 32-2-14, Interior(1) 32-2-14 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TC LL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 10.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A06	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:21 2019 Page 2  
 ID:iSlt4fXPYV4Sc\_4WhZhatHyifeT-Bh3ngouUfUI3U6aVTHmqpaZC\_T9lvUmxAMYzhYicny

**NOTES-**

- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 179 lb down and 118 lb up at 15-11-9, 120 lb down and 84 lb up at 18-0-12, 129 lb down and 88 lb up at 20-0-12, 129 lb down and 88 lb up at 21-11-4, and 120 lb down and 84 lb up at 23-11-4, and 179 lb down and 118 lb up at 26-3-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-21=-68, 2-21=-40, 2-5=-68, 5-7=-68, 7-11=-68, 22-24=-20, 20-22=-12, 17-20=-20, 16-25=-20

Drag: 2-21=-20

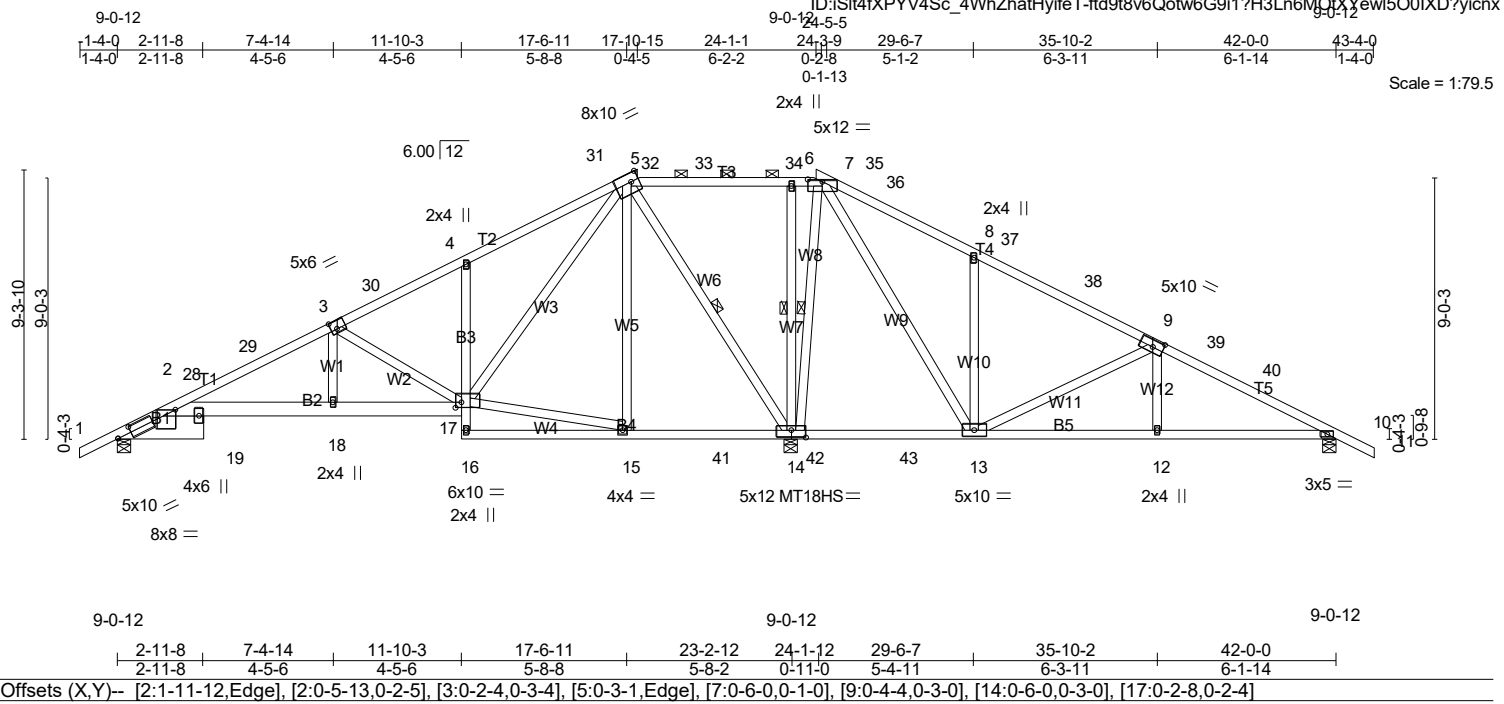
Concentrated Loads (lb)

Vert: 7=-100 32=-100 33=-66 35=-73 37=-73 38=-66

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A07	California	1	1	
					Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:22 2019 Page 1  
ID: Slt4fXPYV4Sc\_4WhZhatHyifeT-ftd9t8v6Qotw6G9i1?H3Ln6MQtXYewi5O0IXD?yicnx



Scale = 1:79.5

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.59	Vert(LL) -0.11 18-20 >999 240	MT20	220/195
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.56	Vert(CT) -0.27 18-20 >965 180	MT18HS	220/195
TCDL 14.0	Rep Stress Incr YES	WB 0.97	Horz(CT) 0.01 14 n/a n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MSH	Wind(LL) 0.04 18-20 >999 360		
BCDL 10.0				Weight: 266 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 5-4-3 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-7.
BOT CHORD 2x4 DF No.1&Btr G *Except*	BOT CHORD Rigid ceiling directly applied or 5-8-7 oc bracing.
B1: 2x10 DF No.2 G, B2: 2x6 DF SS G, B3: 2x4 DF Std G	WEBS 1 Row at midpt 5-14, 6-14, 7-14
WEBS 2x4 DF Std G	

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

**REACTIONS.** (lb/size) 2=713/0-5-8 (min. 0-1-8), 14=3098/0-5-8 (min. 0-4-4), 10=381/0-5-8 (min. 0-1-8)  
 Max Horz 2=101(LC 13)  
 Max Uplift 2=-10(LC 14), 10=-60(LC 57)  
 Max Grav 2=847(LC 33), 14=3960(LC 33), 10=544(LC 37)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-28=-1375/67, 28-29=-1276/86, 3-29=-1276/107, 3-30=-541/94, 4-30=-389/124, 4-31=-594/214, 5-31=-395/234, 5-32=0/1517, 32-33=0/1517, 33-34=0/1517, 6-34=0/1517, 6-35=0/1517, 7-35=0/1517, 7-36=0/787, 8-36=0/749, 8-37=0/816, 37-38=-6/806, 9-38=-29/716, 9-39=-410/359, 39-40=-496/298, 10-40=-567/297  
 BOT CHORD 2-19=-27/1142, 18-19=-27/1142, 17-18=-30/1122, 4-17=-596/157, 15-41=-483/205, 14-41=-483/205, 14-42=-1347/236, 42-43=-1347/236, 13-43=-1347/236, 12-13=-273/436, 10-12=-266/444  
 WEBS 3-18=0/397, 3-17=-960/63, 15-17=-521/184, 5-17=-154/1341, 5-15=0/284, 5-14=-1971/157, 6-14=-681/101, 7-13=-172/1455, 8-13=-723/165, 9-13=-881/94, 9-12=0/275, 7-14=-1619/136

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 17-10-4, Exterior(2) 17-10-4 to 23-9-8, Interior(1) 23-9-8 to 24-1-12, Exterior(2) 24-1-12 to 30-1-1, Interior(1) 30-1-1 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A07	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:22 2019 Page 2  
 ID:iSl4fXPYV4Sc\_4WhZhatHyifeT-ftd9t8v6Qotw6G9i1?H3Ln6MOtXYewi5O0IXD?yicnx

**NOTES-**

- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 168 lb down and 112 lb up at 17-10-4, 125 lb down and 84 lb up at 20-0-12, and 125 lb down and 84 lb up at 21-11-4, and 168 lb down and 112 lb up at 24-1-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-21=-68, 2-21=-22, 2-5=-68, 5-7=-68, 7-11=-68, 22-24=-20, 20-22=-7, 17-20=-20, 16-25=-20

Drag: 2-21=-11

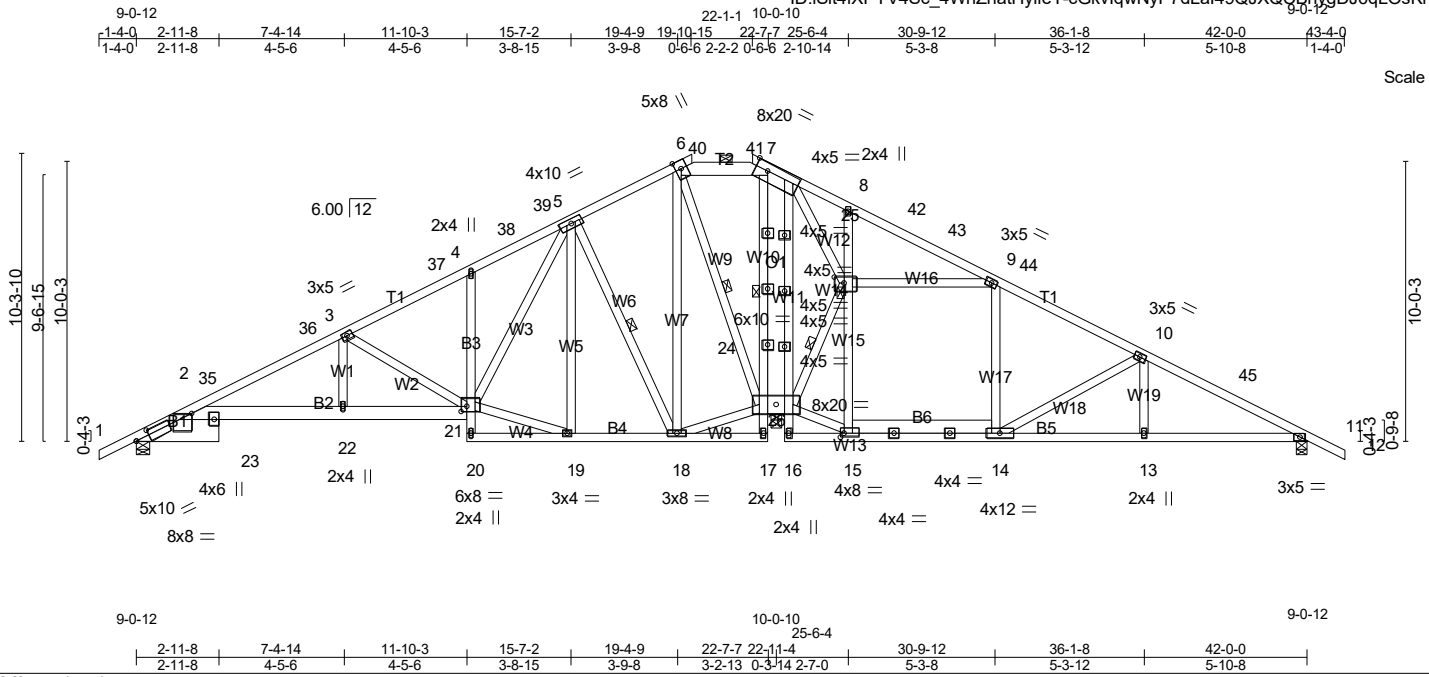
Concentrated Loads (lb)

Vert: 5=-88 7=-88 33=-71 34=-71

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A08	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:24 2019 Page 1  
 ID: Slt4fPYV4Sc\_4WhZhatHyfeT-cGkvlqwNyP7dLal49QJXQCByhgDJ6qL0sKneltiyicv



Scale = 1:82.6

Plate Offsets (X,Y)-- [2:1-11-12,Edge], [2:0-5-13,0-2-5], [7:0-5-8,0-3-8], [15:0-1-8,0-1-12], [21:0-2-8,0-2-4], [25:0-4-4,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.65	Vert(LL)	-0.10 22-27	>999	240	MT20	220/195
(Roof Snow=20.0)	Lumber DOL	1.15	BC 0.54	Vert(CT)	-0.27 22-27	>967	180		
TCDL 14.0	Rep Stress Incr	YES	WB 0.97	Horz(CT)	-0.01 11	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014		Matrix-MSH	Wind(LL)	0.04 22-27	>999	360		
BCDL 10.0								Weight: 343 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G \*Except\*  
 T2: 2x6 DF SS G  
 BOT CHORD 2x4 DF No.1&Btr G \*Except\*  
 B1: 2x10 DF No.2 G, B2,B6: 2x6 DF SS G, B3: 2x4 DF Std G  
 WEBS 2x4 DF Std G \*Except\*  
 W11,W10: 2x4 DF No.1&Btr G  
 OTHERS 2x8 DF SS

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-6-7 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 6-7, 7-26. Except: 1 Row at midpt 7-26  
 6-0-0 oc bracing: 16-26  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-18, 6-24, 24-25, 7-26  
 JOINTS 1 Brace at Jt(s): 25

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

**REACTIONS.** (lb/size) 2=719/0-5-8 (min. 0-1-8), 11=474/0-5-8 (min. 0-1-8), 26=3046/0-5-8 (min. 0-1-8)  
 Max Horz2=111(LC 13)  
 Max Uplift2=-16(LC 14), 11=-30(LC 60)  
 Max Grav2=837(LC 34), 11=624(LC 38), 26=3973(LC 34)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-35=-1387/88, 35-36=-1307/106, 3-36=-1221/128, 3-37=-531/105, 4-37=-387/135,  
 4-38=-503/182, 38-39=-430/193, 5-39=-361/197, 5-6=0/749, 6-40=0/1368, 40-41=0/1369,  
 7-41=0/1370, 7-8=0/2446, 8-42=-1/2562, 42-43=-6/2427, 9-43=-27/2403, 9-44=-56/531,  
 10-44=-198/522, 10-45=-690/124, 11-45=-760/66, 24-26=-4054/133, 7-24=-480/133  
 BOT CHORD 2-23=-54/1169, 22-23=-54/1169, 21-22=-54/1169, 4-21=-427/78, 17-18=-418/65,  
 15-16=-276/44, 14-15=-437/176, 13-14=-59/618, 11-13=-59/618  
 WEBS 3-22=0/397, 3-21=-945/78, 5-21=-71/1016, 5-18=-1131/151, 6-18=-150/1169,  
 6-24=-1985/158, 24-25=-2373/159, 15-25=0/362, 8-25=-549/154, 10-14=-749/81,  
 10-13=0/265, 15-24=-231/285, 18-24=-273/150, 9-14=0/489, 9-25=-1958/86, 7-25=-1395/29

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 19-6-6, Exterior(2) 19-6-6 to 28-8-10, Interior(1) 28-8-10 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) 120.0lb AC unit load placed on the bottom chord, 28-2-0 from left end, supported at two points, 5-0-0 apart.
  - 6) Provide adequate drainage to prevent water ponding.
  - 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) A plate rating reduction of 20% has been applied for the green lumber members.

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A08	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:24 2019 Page 2  
ID:iSlt4fXPYV4Sc\_4WhZhatHyifeT-cGkvlqwNYP7dLal49QJXQCBygDJ6qL0sKneltyicrv

**NOTES-**

- 10) Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11.
- 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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) 211 lb down and 126 lb up at 19-11-9, and 211 lb down and 125 lb up at 22-0-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-28=-68, 2-28=-22, 2-6=-68, 6-7=-68, 7-12=-68, 29-31=-20, 27-29=-7, 21-27=-20, 17-20=-20, 16-32=-20

Drag: 2-28=-11

Concentrated Loads (lb)

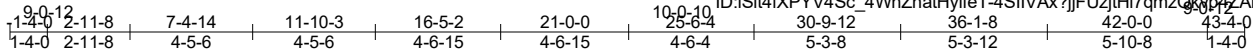
Vert: 15=-60 14=-60 40=-132 41=-132

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A09	Roof Special	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:25 2019 Page 1

ID: Slt4fPYV4Sc\_4WhZhatHyifeT-4SIVAx?jFUzjtH7qmqZArLfx4\_XBqJyicnu



Scale = 1:83.4

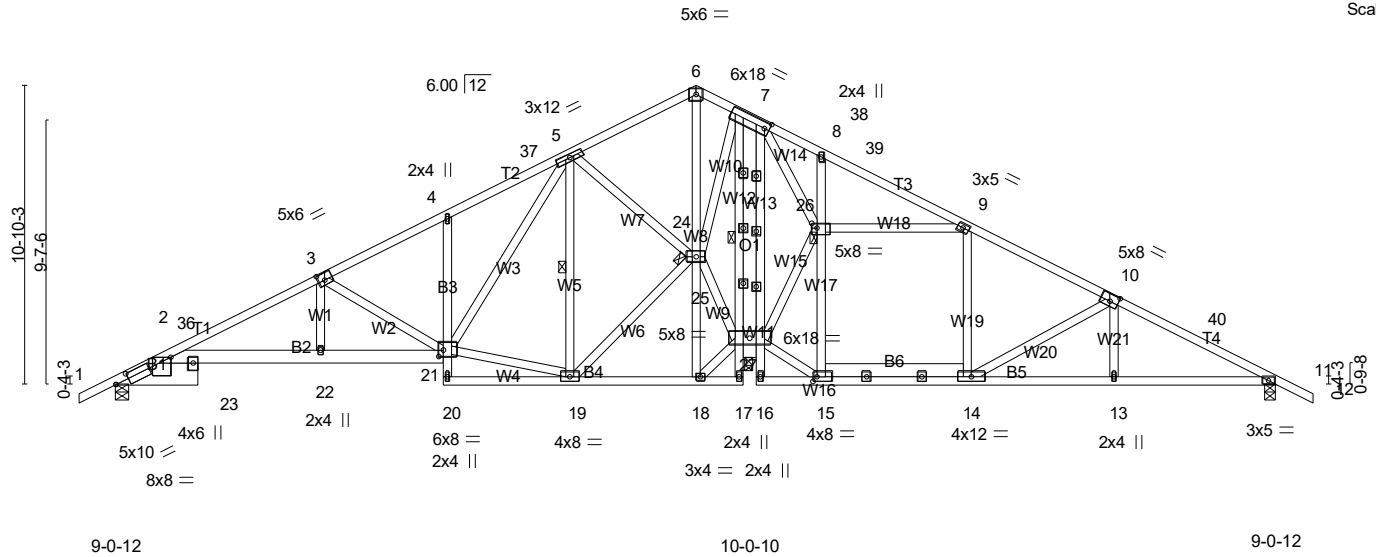


Plate Offsets (X,Y)--	[2:1-11-2,Edge], [2:0-5-13,0-2-5], [3:0-2-8,0-3-0], [7:0-2-2,0-3-0], [10:0-3-8,0-3-0], [15:0-1-12,0-2-0], [21:0-2-0,0-2-12], [26:0-2-4,0-2-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.46	Vert(LL) -0.08	22-28	>999	240	MT20	220/195
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.50	Vert(CT) -0.24	22-28	>999	180		
TCDL 14.0	Rep Stress Incr YES	WB 0.71	Horz(CT) -0.00	27	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MSH	Wind(LL) 0.04	22-28	>999	360		
BCDL 10.0							Weight: 342 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G \*Except\*  
 B1: 2x10 DF No.2 G, B2,B6: 2x6 DF SS G, B3: 2x4 DF Std G  
 WEBS 2x4 DF Std G \*Except\*  
 W13,W12: 2x4 DF No.1&Btr G  
 OTHERS 2x6 DF SS G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-11-2 oc purlins, except end verticals. Except:  
 1 Row at midpt 7-27  
 6-0-0 oc bracing: 16-27  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-19, 7-27  
 JOINTS 1 Brace at Jt(s): 24, 26

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

**REACTIONS.** (lb/size) 2=718/0-5-8 (min. 0-1-8), 11=499/0-5-8 (min. 0-1-8), 27=2760/0-3-8 (min. 0-1-8)  
 Max Horz2=120(LC 13)  
 Max Uplift2=-7(LC 14), 11=-19(LC 15)  
 Max Grav2=775(LC 21), 11=620(LC 22), 27=2760(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-36=-1198/59, 3-36=-1111/100, 3-4=-455/113, 4-37=-428/163, 5-37=-294/182, 5-6=0/862, 6-7=0/819, 7-38=0/1775, 8-38=0/1710, 8-39=0/1856, 9-39=-28/1770, 9-10=-195/437, 10-40=-676/54, 11-40=-747/30, 25-27=-2853/93, 7-25=-714/25  
 BOT CHORD 2-23=-38/994, 22-23=-38/994, 21-22=-40/975, 4-21=-259/79, 18-19=-439/158, 17-18=-280/45, 14-15=-355/176, 13-14=0/596, 11-13=0/604  
 WEBS 3-22=0/404, 3-21=-764/74, 5-21=-67/780, 5-24=-776/120, 18-24=-65/261, 6-24=-929/0, 9-14=0/468, 10-14=-609/82, 10-13=0/266, 9-26=-1444/66, 7-24=0/926, 24-25=-1213/148, 19-24=-8/420, 15-26=0/327, 8-26=-441/101, 15-25=-151/295, 25-26=-1714/114, 7-26=-1006/16

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 21-0-0, Exterior(2) 21-0-0 to 25-2-6, Interior(1) 25-2-6 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) 120.0lb AC unit load placed on the bottom chord, 28-2-0 from left end, supported at two points, 5-0-0 apart.
  - 6) All plates are 4x4 MT20 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) A plate rating reduction of 20% has been applied for the green lumber members.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A09	Roof Special	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:25 2019 Page 2  
 ID:iSl4fXPYV4Sc\_4WhZhatHyifeT-4SIVAx?jjFUzjtHi7qmqkvp4ZArLfx4\_XBqJyicnu

**NOTES-**

- 10) Bearing at joint(s) 27 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11.
- 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job J19-248	Truss A10	Truss Type Roof Special	Qty 1	Ply 1	Stuesser Residence Job Reference (optional)
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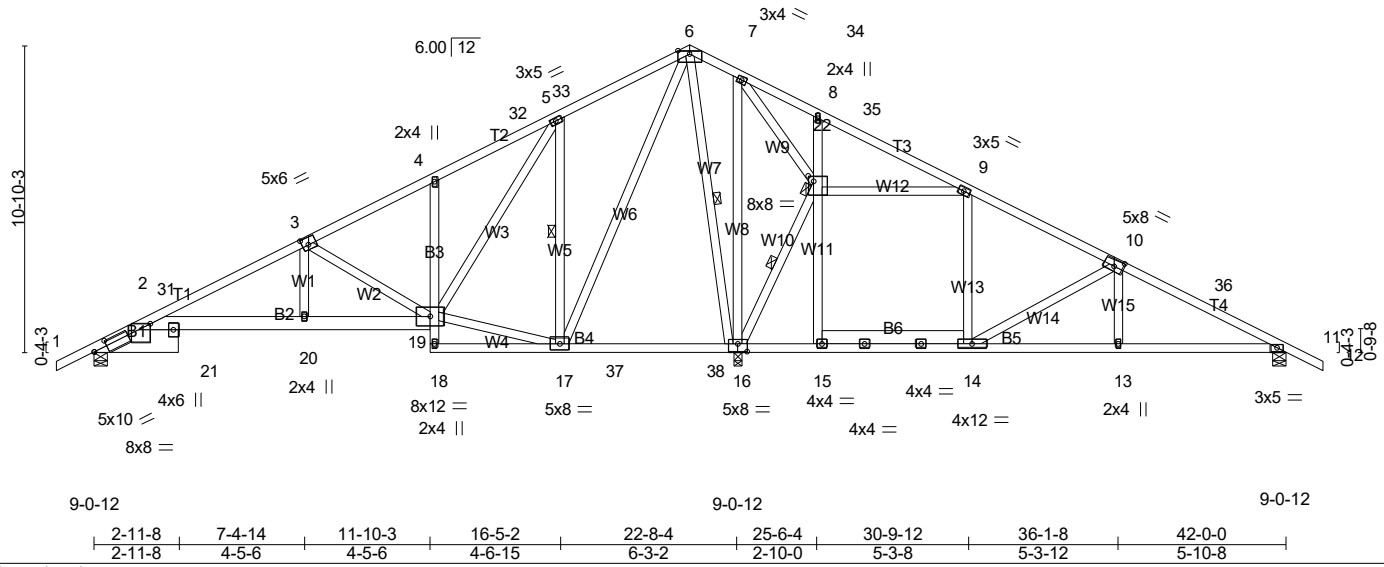
STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:27 2019 Page 1

9-0-12 1-4-0	2-11-8 2-11-8	7-4-14 4-5-6	11-10-3 4-5-6	16-5-2 4-6-15	21-0-0 4-6-15	22-8-4 1-8-4	25-6-4 2-10-0	30-9-12 5-3-8	36-1-8 5-3-12	42-0-0 5-10-8	43-4-0 1-4-0
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5x10 =

Scale = 1:81.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.49	Vert(LL) -0.08 20-23 >999 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.96	Vert(CT) -0.26 13-14 >908 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.01 11 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.05 13-14 >999 360		
Weight: 296 lb FT = 20%					

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G \*Except\*  
B1: 2x10 DF No.2 G, B2,B6: 2x6 DF SS G, B3: 2x4 DF Std G  
WEBS 2x4 DF Std G

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS 1 Row at midpt 5-17, 6-16, 16-22  
JOINTS 1 Brace at Jt(s): 22

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

**REACTIONS.** (lb/size) 2=709/0-5-8 (min. 0-1-8), 16=2760/0-3-8 (min. 0-2-15), 11=524/0-5-8 (min. 0-1-8)  
Max Horz2=120(LC 13)  
Max Uplift2=-5(LC 14), 11=-13(LC 15)  
Max Grav2=765(LC 21), 16=2760(LC 1), 11=644(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-31=-1169/48, 3-31=-1082/88, 3-4=-428/102, 4-32=-403/148, 5-32=-268/167, 6-33=-4/271, 6-7=0/1001, 7-34=0/1918, 8-34=0/1841, 8-35=-9/1991, 9-35=-45/1904, 9-10=-223/399, 10-36=-732/41, 11-36=-803/17  
BOT CHORD 2-21=-34/968, 20-21=-34/968, 19-20=-36/949, 4-19=-264/80, 17-37=-622/205, 37-38=-622/205, 16-38=-622/205, 15-16=-326/183, 14-15=-322/183, 13-14=0/646, 11-13=0/655  
WEBS 3-20=0/402, 3-19=-762/74, 17-19=-263/152, 5-19=-65/772, 5-17=-954/171, 6-17=-161/1197, 6-16=-1824/62, 16-22=-1811/76, 15-22=0/262, 8-22=-433/108, 10-14=-627/83, 10-13=0/276, 9-14=0/465, 7-16=-17/553, 9-22=-1617/70, 7-22=-1383/66

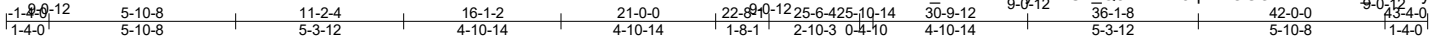
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 21-0-0, Exterior(2) 21-0-0 to 25-2-6, Interior(1) 25-2-6 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) 120.0lb AC unit load placed on the bottom chord, 28-2-0 from left end, supported at two points, 5-0-0 apart.
  - 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 11) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job J19-248	Truss A11	Truss Type Common	Qty 2	Ply 1	Stuesser Residence Job Reference (optional)
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STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:28 2019 Page 1  
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Scale = 1:72.5

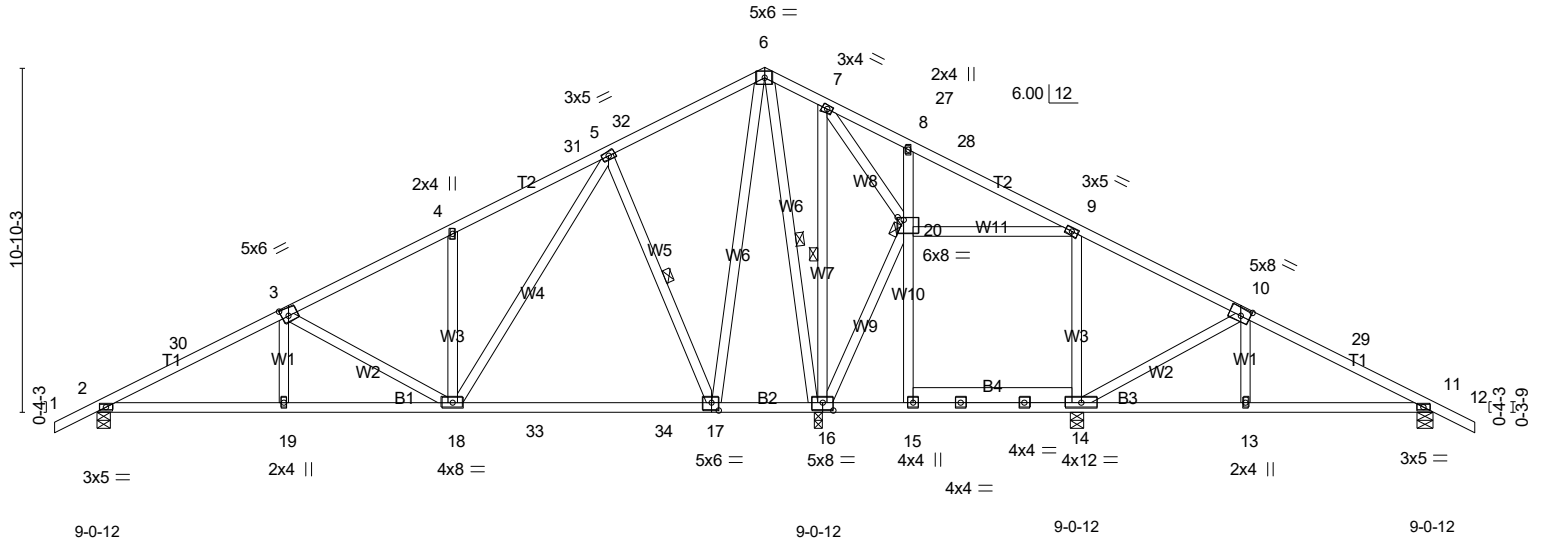


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [10:0-3-8,0-3-0], [16:0-4-0,0-3-0], [17:0-2-12,0-3-0], [20:0-2-4,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.36	Vert(LL) -0.13 17-18 >999 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.78	Vert(CT) -0.36 17-18 >769 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.03 16 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.03 19-23 >999 360	Weight: 275 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G \*Except\*  
 B4: 2x6 DF SS G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-2-13 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-17, 6-16, 7-16  
 JOINTS 1 Brace at Jt(s): 20

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

**REACTIONS.** All bearings 0-5-8 except (jt=length) 16=0-3-8.  
 (lb) - Max Horz 2=116(LC 13)  
 Max Uplift All uplift 100 lb or less at joint(s) 11  
 Max Grav All reactions 250 lb or less at joint(s) except 2=955(LC 21), 16=1895(LC 1), 14=821(LC 25), 11=458(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 6-7=0/545, 7-27=0/429, 8-27=0/379, 8-28=0/477, 9-28=-23/403, 9-10=-34/462,  
 10-29=-308/25, 11-29=-379/1, 2-30=-1469/90, 3-30=-1397/114, 3-4=-939/122,  
 4-31=-919/191, 5-31=-779/200  
 BOT CHORD 2-19=-43/1250, 18-19=-45/1244, 18-33=0/318, 33-34=0/318, 17-34=0/318, 15-16=-347/174,  
 14-15=-347/174, 13-14=-5/269, 11-13=0/276  
 WEBS 6-17=-95/1005, 5-17=-912/167, 5-18=-89/871, 4-18=-319/94, 3-18=-558/88, 6-16=-1503/27,  
 15-20=0/260, 8-20=-391/107, 9-14=-351/75, 10-14=-577/82, 7-16=-341/27, 16-20=-372/69

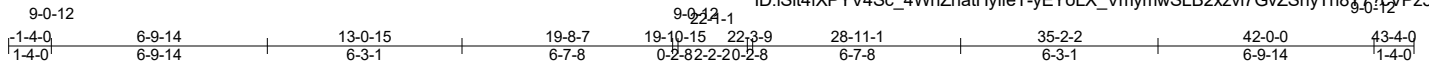
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCCL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 21-0-0, Exterior(2) 21-0-0 to 25-2-6, Interior(1) 25-2-6 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) 120.0lb AC unit load placed on the bottom chord, 28-2-0 from left end, supported at two points, 5-0-0 apart.
  - 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 11) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A12	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:29 2019 Page 1  
 ID: iSlt4fXPYV4Sc\_4WhZhatHyifeT-yEYoLX\_VmymwSLB2xzvi7GvZShyTn8y72yPz5yicnq



Scale = 1:73.2

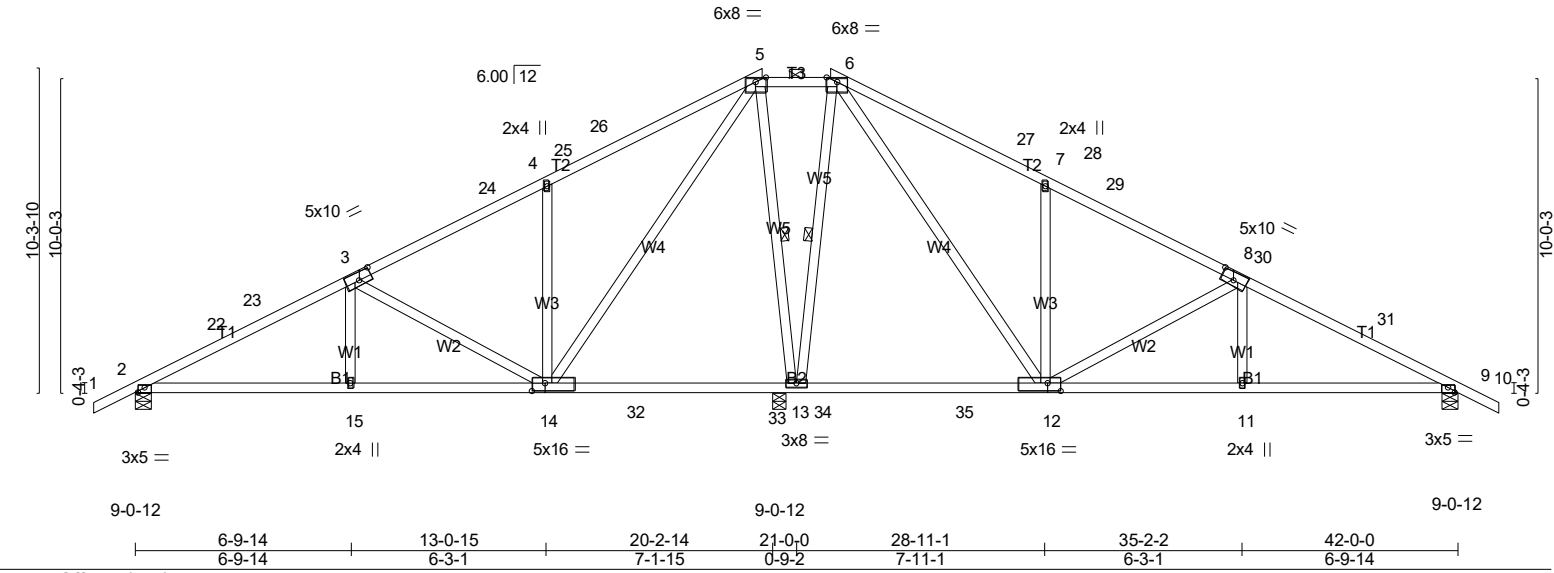


Plate Offsets (X,Y)-- [2:0-2-8,Edge], [3:0-5-0,0-3-0], [8:0-5-0,0-3-0], [9:0-2-8,Edge], [12:0-5-0,0-3-0], [14:0-5-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	Vert(LL)	-0.08 13-14	>999	240	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.41	Vert(CT)	-0.21 11-21	>999	180		
TCDL 14.0	Lumber DOL 1.15	WB 0.78	Horz(CT)	0.01 9	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Wind(LL)	0.04 15-18	>999	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 231 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-6.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-13, 6-13

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

**REACTIONS.** (lb/size) 2=689/0-5-8 (min. 0-1-8), 13=2724/0-5-8 (min. 0-3-13), 9=691/0-5-8 (min. 0-1-8)  
 Max Horz2=-107(LC 54)  
 Max Uplift2=-13(LC 14), 9=-33(LC 15)  
 Max Grav2=782(LC 35), 13=3596(LC 33), 9=784(LC 37)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-22=-1029/65, 22-23=-940/94, 3-23=-830/97, 3-24=-399/79, 4-25=-462/200, 25-26=-429/201, 5-26=-315/243, 5-6=0/952, 6-27=-320/238, 27-28=-433/196, 7-28=-467/195, 8-29=-404/86, 8-30=-834/100, 30-31=-944/98, 9-31=-1033/68  
 BOT CHORD 2-15=-56/841, 14-15=-59/827, 14-32=-752/202, 32-33=-752/202, 13-33=-752/202, 13-34=-748/209, 34-35=-748/209, 12-35=-748/209, 11-12=0/831, 9-11=0/845  
 WEBS 3-15=0/281, 3-14=-785/94, 4-14=-769/172, 5-14=-185/1587, 5-13=-1700/168, 6-13=-1736/172, 6-12=-186/1587, 7-12=-769/173, 8-12=-785/94, 8-11=0/281

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 19-10-4, Exterior(2) 19-10-4 to 28-1-1, Interior(1) 28-1-1 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.
  - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 174 lb down and 128 lb up at 19-10-4, and 211 lb down and 127 lb up at 22-1-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A12	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:29 2019 Page 2  
ID:iSlt4fXPYV4Sc\_4WhZhatHyifeT-yEYoLX\_VmymwSLB2xzvi7GvZShyTn8Y7?cVPz5yicnq

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-5=-68, 5-6=-68, 6-10=-68, 16-19=-20

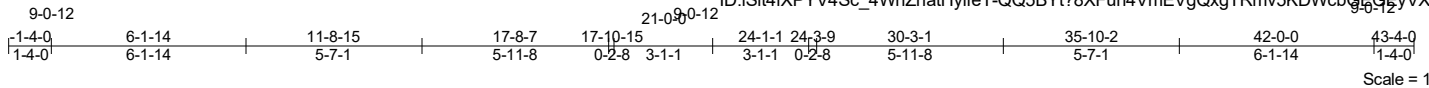
Concentrated Loads (lb)

Vert: 5=-94 6=-132

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A13	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:30 2019 Page 1  
 ID: iSlt4fXPYV4Sc\_4WhZhatHyifeT-QQ5BYt?8XFun4VmEVGQxgTRmv5KDWcbG5GeyVXyicp



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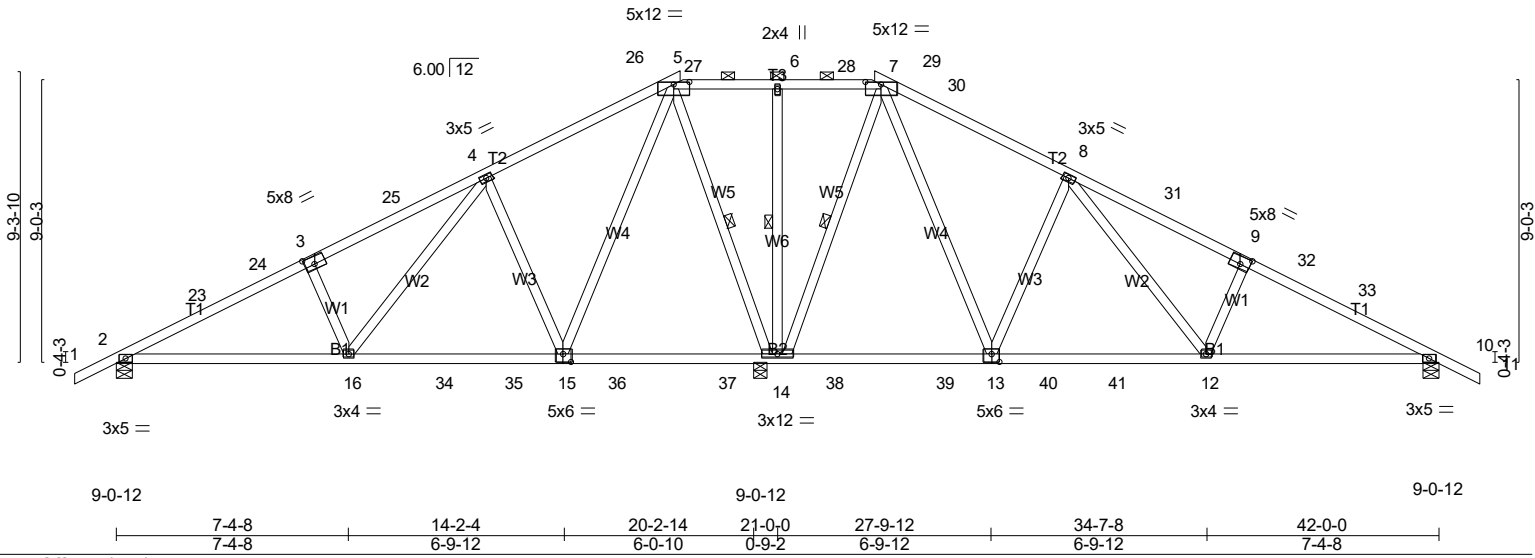


Plate Offsets (X,Y)-- [3:0-3-12,0-3-0], [5:0-6-0,0-1-0], [7:0-6-0,0-1-0], [9:0-3-12,0-3-0], [13:0-3-0,0-3-0], [15:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	Vert(LL)	-0.05 12-13	>999	240	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.32	Vert(CT)	-0.21 16-19	>999	180		
TCDL 14.0	Lumber DOL 1.15	WB 0.73	Horz(CT)	0.01 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Wind(LL)	0.04 16-19	>999	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 234 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-7.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-14, 6-14, 7-14

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

**REACTIONS.** (lb/size) 2=683/0-5-8 (min. 0-1-8), 14=2691/0-5-8 (min. 0-3-11), 10=694/0-5-8 (min. 0-1-8)  
 Max Horz 2=97(LC 13)  
 Max Uplift 2=-12(LC 14), 10=-31(LC 15)  
 Max Grav 2=803(LC 33), 14=3429(LC 33), 10=817(LC 33)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-23=-1080/82, 23-24=-1024/86, 3-24=-923/108, 3-25=-963/124, 4-25=-772/161, 5-26=-12/265, 5-27=0/1116, 6-27=0/1116, 6-28=0/1116, 28-29=0/1116, 7-29=0/1116, 7-30=-41/267, 8-31=-803/156, 9-31=-994/120, 9-32=-953/103, 32-33=-1055/82, 10-33=-1110/78  
 BOT CHORD 2-16=-52/916, 16-34=-28/389, 34-35=-28/389, 15-35=-28/389, 15-36=-568/185, 36-37=-568/185, 14-37=-568/185, 14-38=-539/197, 38-39=-539/197, 13-39=-539/197, 13-40=-1/416, 40-41=-1/416, 12-41=-1/416, 10-12=-7/943  
 WEBS 3-16=-518/104, 4-16=-54/822, 4-15=-1008/170, 5-15=-107/1142, 5-14=-1613/156, 6-14=-389/53, 7-14=-1699/159, 7-13=-108/1138, 8-13=-1005/171, 8-12=-54/823, 9-12=-519/104

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 17-10-4, Exterior(2) 17-10-4 to 23-9-8, Interior(1) 23-9-8 to 24-1-12, Exterior(2) 24-1-12 to 30-3-1, Interior(1) 30-3-1 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.



Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A13	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:30 2019 Page 2  
 ID:iSlt4fXPYV4Sc\_4WhZhatHyifeT-QQ5BYt?8XFun4VmEVgQxgTRmv5KDWcbGEGEyVXyicnp

**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 111 lb up at 17-10-4, and 122 lb down and 84 lb up at 21-11-4, and 168 lb down and 112 lb up at 24-1-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-5=-68, 5-7=-68, 7-11=-68, 17-20=-20

Concentrated Loads (lb)

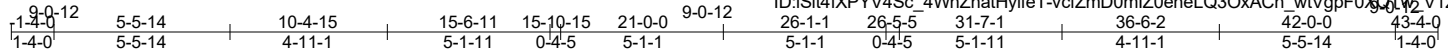
Vert: 5=-33 7=-88 28=-68

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A14	CALIFORNIA	1	1	

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:31 2019 Page 1

ID:SI44XPYV4Sc\_4WhZhatHyfeT-vcfZmD0mlZ0hehLQ3OxACh\_wtVgpFO%0T%Vz1zicno



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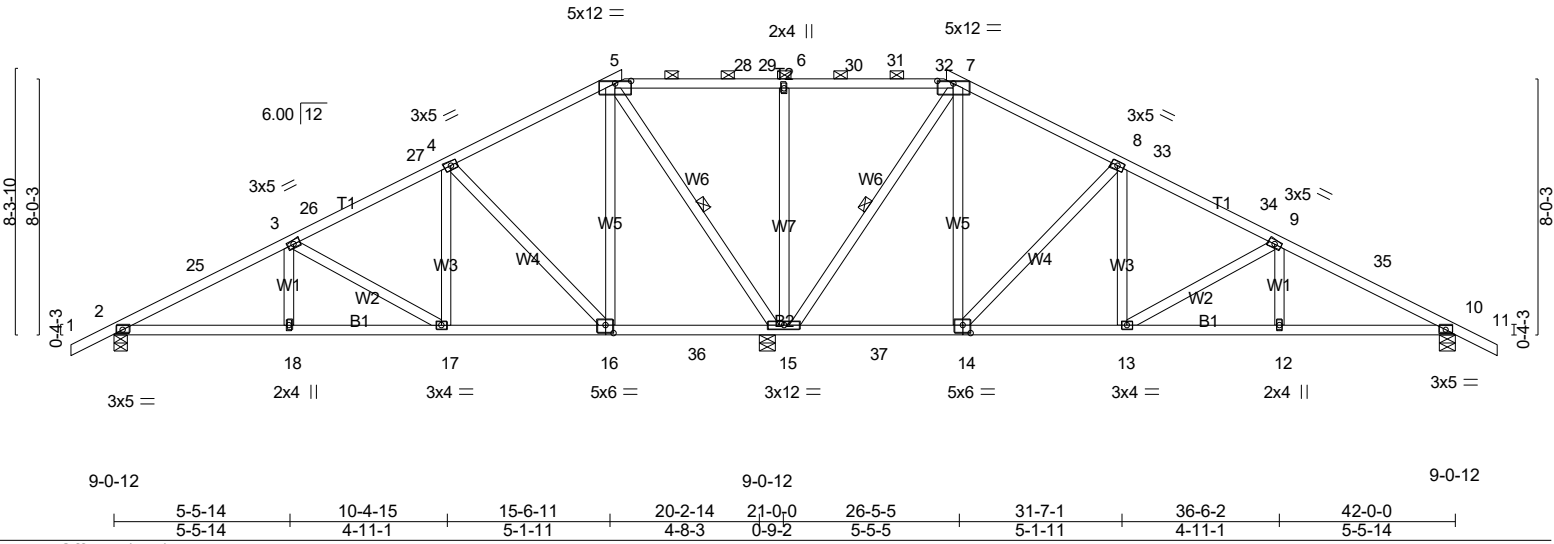


Plate Offsets (X,Y)-- [5:0-6-0,0-1-0], [7:0-6-0,0-1-0], [14:0-3-0,0-3-0], [16:0-3-0,0-3-0]					
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.55	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.29	Vert(LL) -0.04 13 >999 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.94	Vert(CT) -0.12 12-24 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.04 10 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.02 18-21 >999 360		
				Weight: 237 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 5-4-13 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-7.
BOT CHORD 2x4 DF No.1&Btr G	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16,14-15.
WEBS 2x4 DF Std G	WEBS 1 Row at midpt 5-15, 7-15
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=694/0-5-8 (min. 0-1-8), 15=2692/0-5-8 (min. 0-3-8), 10=730/0-5-8 (min. 0-1-8)  
 Max Horz 2=-87(LC 12)  
 Max Uplift 2=-10(LC 14), 10=-30(LC 15)  
 Max Grav 2=863(LC 33), 15=3262(LC 33), 10=910(LC 33)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-25=-1275/90, 3-25=-1201/109, 3-26=-701/96, 26-27=-525/125, 4-27=-518/129, 4-5=-72/395, 5-28=0/1176, 28-29=0/1176, 6-29=0/1176, 6-30=0/1176, 30-31=0/1176, 31-32=0/1176, 7-32=0/1176, 7-8=-177/340, 8-33=-620/126, 33-34=-627/121, 9-34=-803/93, 9-35=-1303/106, 10-35=-1377/86  
 BOT CHORD 2-18=-39/1074, 17-18=-39/1074, 16-17=-7/548, 16-36=-290/170, 15-36=-290/170, 13-14=0/637, 12-13=-18/1166, 10-12=-18/1166  
 WEBS 3-17=-729/73, 4-17=0/451, 4-16=-1010/138, 5-16=-55/829, 5-15=-1566/128, 6-15=-691/115, 7-15=-1743/132, 7-14=-59/817, 8-14=-995/142, 8-13=0/453, 9-13=-732/72

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 15-8-7, Exterior(2) 15-8-7 to 21-7-11, Interior(1) 21-7-11 to 26-3-9, Exterior(2) 26-3-9 to 32-2-14, Interior(1) 32-2-14 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A14	CALIFORNIA	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:31 2019 Page 2  
 ID:iSl4fXPYV4Sc\_4WhZhatHyifeT-vcfZmD0mlZ0ehelQ3OxACh\_wtVgpF0XQTw\_V1zyicno

**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 118 lb up at 15-8-7, 124 lb down and 88 lb up at 21-11-4, and 120 lb down and 84 lb up at 23-11-4, and 179 lb down and 118 lb up at 26-3-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-5=-68, 5-7=-68, 7-11=-68, 19-22=-20

Concentrated Loads (lb)

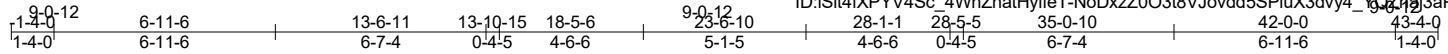
Vert: 5-4 7=-100 30=-68 32=-66

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A15	CALIFORNIA	1	1	

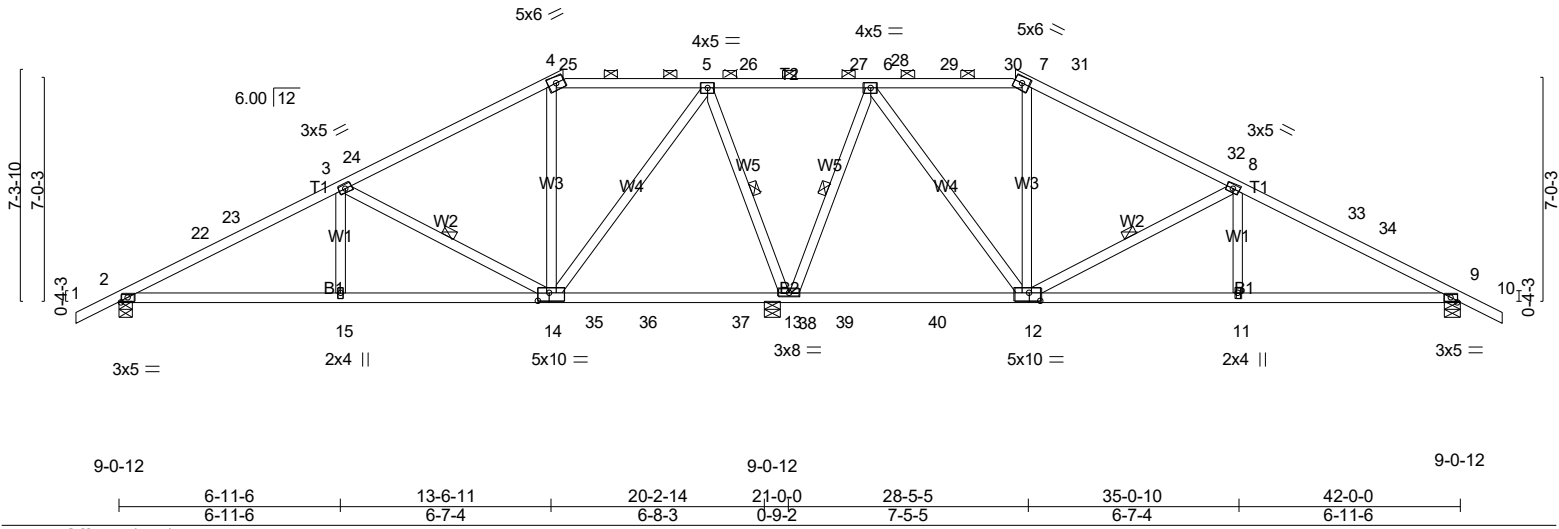
STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:32 2019 Page 1

ID: iSlt4FXPYV4Sc\_4WhZhatHyifeT-NoDxzZ003t8VJovdd5SPluX3dvy4\_907h3aPycrn



Scale = 1:72.2



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.67	Vert(LL)	-0.10 11-21	>999	240	MT20	220/195
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.25 15-18	>999	180		
TCDL	14.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.04 9	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MSH		Wind(LL)	0.04 11-21	>999	360		
BCDL	10.0									Weight: 213 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 DF No.1&Btr G	TOP CHORD	Structural wood sheathing directly applied or 4-8-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-7.
BOT CHORD	2x4 DF No.1&Btr G	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 DF Std G	WEBS	1 Row at midpt 3-14, 5-13, 6-13, 8-12

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

**REACTIONS.** (lb/size) 2=778/0-5-8 (min. 0-1-8), 13=2597/0-5-8 (min. 0-3-2), 9=788/0-5-8 (min. 0-1-8)  
 Max Horz 2=-77(LC 12)  
 Max Uplift 9=-41(LC 15)  
 Max Grav 2=1032(LC 33), 13=2957(LC 33), 9=1065(LC 33)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-22=-1440/100, 22-23=-1311/102, 3-23=-1162/131, 3-24=-505/59, 4-24=-358/104, 4-25=-301/134, 5-25=-305/134, 5-26=0/1067, 26-27=0/1067, 27-28=0/1067, 6-28=0/1067, 6-29=-370/182, 29-30=-368/182, 30-31=-364/183, 7-31=-361/183, 7-32=-405/159, 8-32=-572/114, 8-33=-1239/172, 33-34=-1387/143, 9-34=-1516/141  
 BOT CHORD 2-15=-211/1172, 14-15=-211/1172, 14-35=-592/145, 35-36=-592/145, 36-37=-592/145, 37-38=-592/145, 13-38=-592/145, 13-39=-507/155, 39-40=-507/155, 12-40=-507/155, 11-12=-67/1240, 9-11=-67/1240  
 WEBS 3-15=0/278, 3-14=-1126/166, 4-14=-329/78, 5-14=-36/1306, 5-13=-1336/108, 6-13=-1576/165, 6-12=-93/1267, 7-12=-371/54, 8-12=-1133/155, 8-11=0/291

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 13-6-11, Exterior(2) 13-6-11 to 19-5-15, Interior(1) 19-5-15 to 28-5-5, Exterior(2) 28-5-5 to 34-4-10, Interior(1) 34-4-10 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) 120.0lb AC unit load placed on the bottom chord, 17-3-5 from left end, supported at two points, 5-0-0 apart.
  - 6) Provide adequate drainage to prevent water ponding.
  - 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A15	CALIFORNIA	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:33 2019 Page 2  
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**NOTES-**

- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 79 lb down and 118 lb up at 13-11-9, 74 lb down and 88 lb up at 21-11-4, 121 lb down and 88 lb up at 23-11-4, and 115 lb down and 84 lb up at 25-11-4, and 101 lb down and 118 lb up at 28-0-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-4=-68, 4-7=-68, 7-10=-68, 16-19=-20

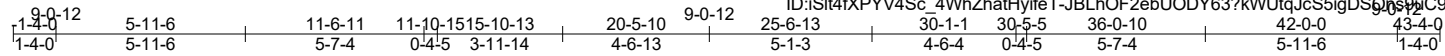
Concentrated Loads (lb)

Vert: 27=-18 29=-65 30=-61 31=-22 35=-60 38=-60

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A16	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:34 2019 Page 1



Scale = 1:72.2

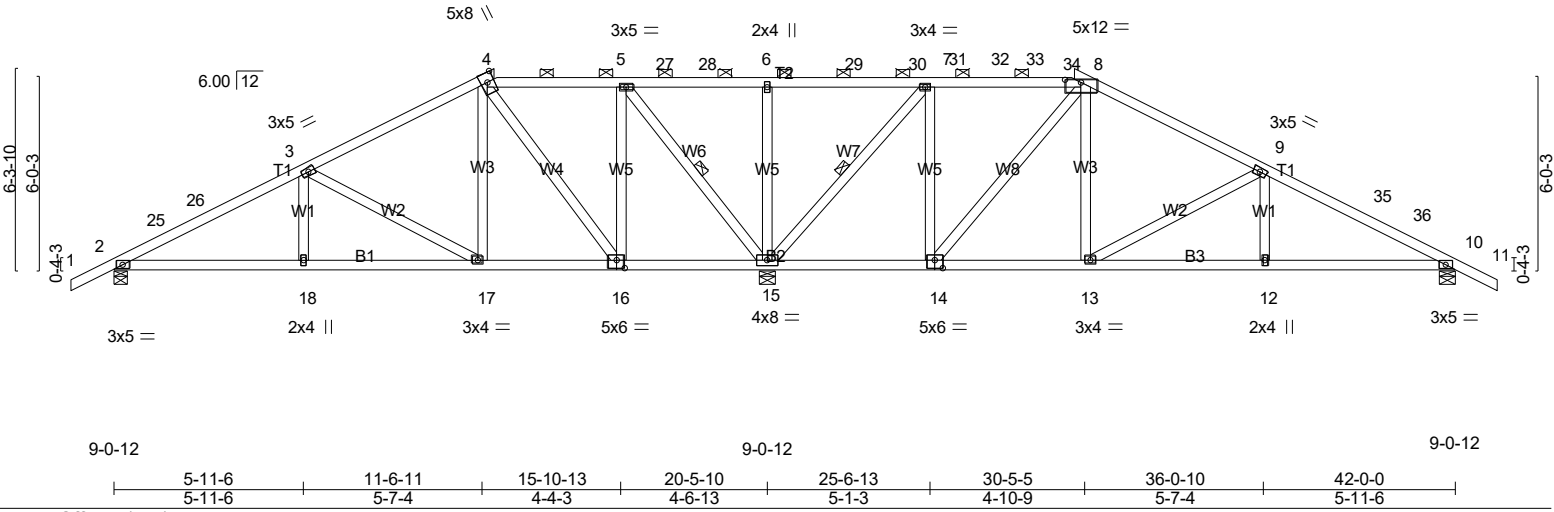


Plate Offsets (X,Y)--	[8:0-6-0,0-1-0], [14:0-3-0,0-3-0], [16:0-3-0,0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	Vert(LL)	-0.06	12-24	>999	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.38	Vert(CT)	-0.15	12-24	>999		
TCDL 14.0	Lumber DOL 1.15	WB 0.84	Horz(CT)	0.05	10	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Wind(LL)	0.02	12-24	>999		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 225 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 4-10-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD 2x4 DF No.1&Btr G	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16.
WEBS 2x4 DF Std G	WEBS 1 Row at midpt 5-15, 7-15

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

**REACTIONS.** (lb/size) 2=746/0-5-8 (min. 0-1-8), 15=2419/0-5-8 (min. 0-2-15), 10=842/0-5-8 (min. 0-1-8)  
 Max Horz 2=66(LC 13)  
 Max Uplift 10=-34(LC 15)  
 Max Grav 2=1058(LC 33), 15=2751(LC 32), 10=1198(LC 33)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-25=-1390/119, 25-26=-1288/126, 3-26=-1169/151, 3-4=-568/134, 4-5=-43/251, 5-27=0/1059, 27-28=0/1059, 6-28=0/1059, 6-29=0/1059, 29-30=0/1059, 30-31=0/1059, 31-32=0/1059, 7-32=0/1059, 8-9=-885/149, 9-35=-1473/166, 35-36=-1591/141, 10-36=-1697/134  
 BOT CHORD 2-18=-46/1152, 17-18=-46/1152, 16-17=0/372, 15-16=-273/127, 13-14=0/661, 12-13=-72/1423, 10-12=-72/1423  
 WEBS 3-18=0/254, 3-17=-951/135, 4-17=-22/540, 4-16=-942/91, 5-16=-39/846, 5-15=-1305/128, 6-15=-541/80, 7-15=-1619/146, 7-14=-28/773, 8-14=-873/89, 8-13=-23/537, 9-13=-932/140, 9-12=0/252

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 11-8-7, Exterior(2) 11-8-7 to 17-7-11, Interior(1) 17-7-11 to 30-3-9, Exterior(2) 30-3-9 to 36-0-10, Interior(1) 36-0-10 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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.
  - 8) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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	Stuesser Residence
J19-248	A16	California	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8:300 s Mar 22 2019 Print: 8:300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:34 2019 Page 2  
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**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 74 lb down and 115 lb up at 11-8-7, 56 lb down and 88 lb up at 21-11-4, 71 lb down and 88 lb up at 23-11-4, 111 lb down and 88 lb up at 25-11-4, and 110 lb down and 84 lb up at 27-11-4, and 84 lb down and 118 lb up at 30-3-9 on top chord.  
 The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-4=-68, 4-8=-68, 8-11=-68, 19-22=-20

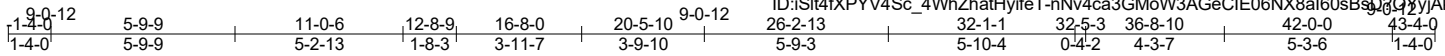
Concentrated Loads (lb)

Vert: 8=-4 30=-15 33=-55 34=-56

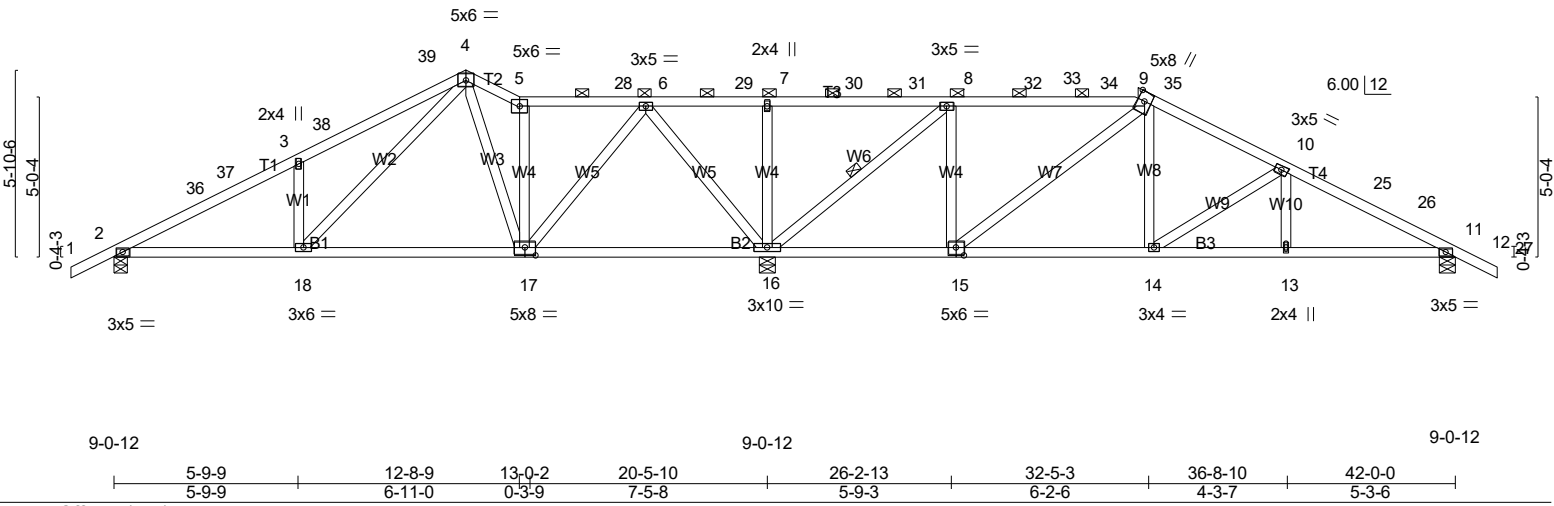
Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A17	Roof Special	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:35 2019 Page 1  
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Scale = 1:72.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.35	Vert(LL) -0.05 13-24 >999 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.83	Vert(CT) -0.14 14-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.04 11 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.02 18-21 >999 360		
				Weight: 216 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-9.
BOT CHORD 2x4 DF No.1&Btr G	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17.
WEBS 2x4 DF Std G	WEBS 1 Row at midpt 8-16

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

**REACTIONS.** (lb/size) 2=759/0-5-8 (min. 0-1-8), 16=2361/0-5-8 (min. 0-3-0), 11=856/0-5-8 (min. 0-1-8)  
 Max Horz 2=-64(LC 12)  
 Max Uplift 16=-31(LC 15), 11=-35(LC 15)  
 Max Grav 2=919(LC 21), 16=2808(LC 35), 11=1228(LC 36)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 9-10=-1141/157, 10-25=-1679/165, 25-26=-1691/145, 11-26=-1794/143, 5-28=-344/121, 6-28=-344/121, 6-29=-12/982, 7-29=-12/982, 7-30=-12/982, 30-31=-12/982, 8-31=-12/982, 8-32=-405/138, 32-33=-405/138, 33-34=-405/138, 34-35=-405/138, 9-35=-405/138, 4-5=-400/154, 2-36=-1411/102, 36-37=-1341/103, 3-37=-1237/125, 3-38=-1494/194, 38-39=-1344/212, 4-39=-1270/229  
 BOT CHORD 2-18=-16/1202, 17-18=0/466, 16-17=-351/120, 15-16=-190/392, 14-15=-3/918, 13-14=-75/1512, 11-13=-75/1512  
 WEBS 10-14=-684/117, 9-14=-16/463, 9-15=-709/71, 8-15=0/556, 8-16=-1777/162, 7-16=-528/76, 6-16=-1294/132, 6-17=-52/945, 5-17=-378/103, 4-17=-402/47, 4-18=-131/1073, 3-18=-636/145

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 2-10-6, Interior(1) 2-10-6 to 11-0-6, Exterior(2) 11-0-6 to 12-8-9, Interior(1) 12-8-9 to 32-3-7, Exterior(2) 32-3-7 to 36-8-10, Interior(1) 36-8-10 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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.
  - 8) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 11.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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	Stuesser Residence
J19-248	A17	Roof Special	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:35 2019 Page 2  
 ID:iSlt4fXPYV4Sc\_4WhZhatHyifeT-nNv4ca3GMoW3AGeCIE06NX8al60sBsD?OYyjAkyicnk

**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 79 lb down at 10-1-8, 56 lb down and 88 lb up at 21-11-4, 56 lb down and 88 lb up at 23-11-4, 63 lb down and 88 lb up at 25-11-4, 98 lb down and 88 lb up at 27-11-4, and 104 lb down and 84 lb up at 29-11-4, and 78 lb down and 117 lb up at 31-11-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.
- 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

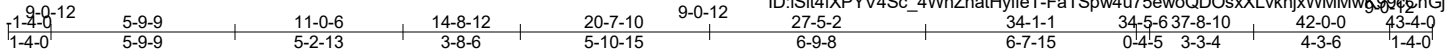
**LOAD CASE(S)** Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 9-12=-68, 5-9=-68, 4-5=-68, 1-4=-68, 19-22=-20  
 Concentrated Loads (lb)  
 Vert: 8=-7 33=-42 34=-50

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A18	Roof Special	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:36 2019 Page 1  
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Scale = 1:72.3

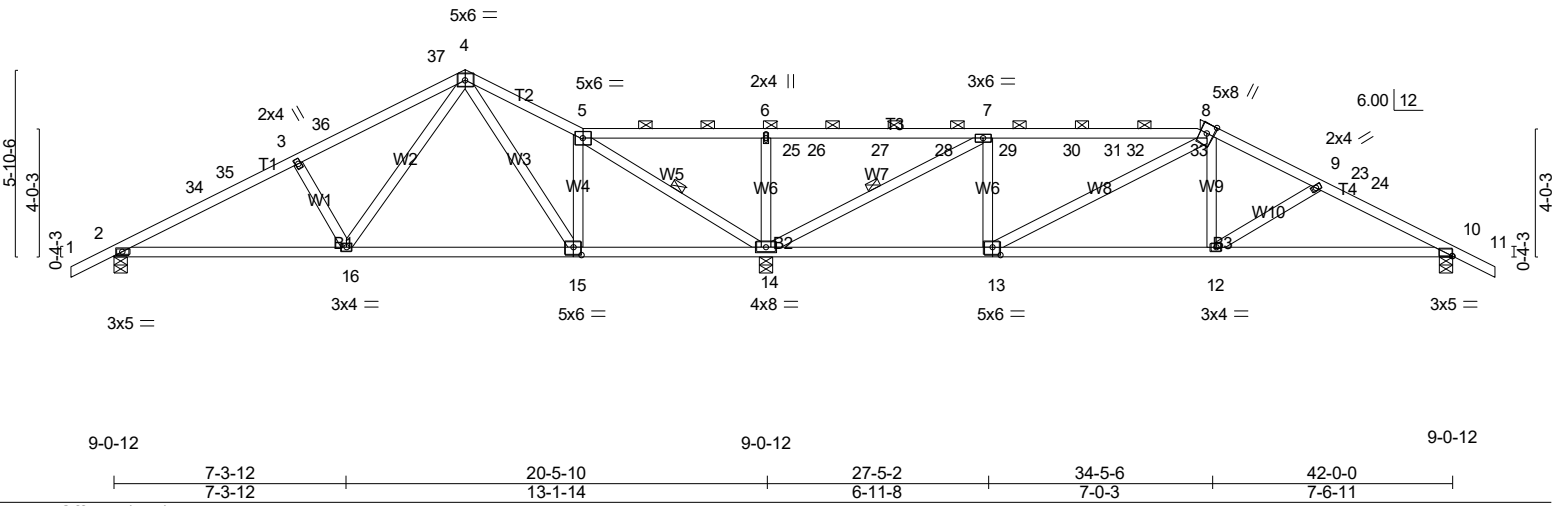


Plate Offsets (X,Y)-- [10:0-0-2,Edge], [13:0-3-0,0-3-0], [15:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.78	Vert(LL)	-0.06 12-13	>999	240	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.33	Vert(CT)	-0.19 12-19	>999	180		
TCDL 14.0	Lumber DOL 1.15	WB 0.66	Horz(CT)	0.06 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Wind(LL)	0.03 12-13	>999	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 200 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-9-4 oc purlins, except 2-0-0 oc purlins (5-2-13 max.): 5-8.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 7-14, 5-14

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

**REACTIONS.** (lb/size) 10=907/0-5-8 (min. 0-1-8), 14=2238/0-5-8 (min. 0-2-13), 2=811/0-5-8 (min. 0-1-8)  
 Max Horz 2=64(LC 62)  
 Max Uplift 10=-39(LC 15), 14=-42(LC 15), 2=-15(LC 63)  
 Max Grav 10=1218(LC 36), 14=2662(LC 35), 2=972(LC 21)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 8-9=-1416/161, 9-23=-1644/190, 23-24=-1690/185, 10-24=-1787/166, 5-6=-42/932,  
 6-25=-42/932, 25-26=-42/932, 26-27=-42/932, 27-28=-42/932, 7-28=-42/932,  
 7-29=-1034/137, 29-30=-1034/137, 30-31=-1034/137, 31-32=-1034/137, 32-33=-1034/137,  
 8-33=-1034/137, 4-5=-494/220, 2-34=-1493/154, 34-35=-1439/155, 3-35=-1338/176,  
 3-36=-1288/175, 36-37=-1133/193, 4-37=-1044/211  
 BOT CHORD 2-16=-62/1295, 15-16=0/561, 14-15=-32/384, 13-14=-62/1025, 12-13=-23/1207,  
 10-12=-106/1549  
 WEBS 9-12=-397/128, 8-12=-7/363, 8-13=-469/62, 7-13=0/415, 7-14=-2219/191, 6-14=-759/106,  
 5-14=-1443/133, 5-15=0/486, 4-15=-431/48, 4-16=-63/814, 3-16=-585/129

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 1-4-0 to 2-10-6, Interior(1) 2-10-6 to 11-0-6, Exterior(2) 11-0-6 to 14-8-12, Interior(1) 14-8-12 to 34-3-9, Exterior(2) 34-3-9 to 38-5-15, Interior(1) 38-5-15 to 43-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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.
  - 8) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 14, 2.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A18	Roof Special	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:37 2019 Page 2  
 ID:iSit4fXPYV4Sc\_4WhZhatHyifeT-jm1q0G4XuPmnPZoaPf2aSyEthwibfnPlrrRqFdyicni

**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 84 lb up at 21-11-4, 52 lb down and 84 lb up at 23-11-4, 55 lb down and 86 lb up at 25-11-4, 57 lb down and 86 lb up at 27-11-4, 81 lb down and 86 lb up at 29-11-4, and 95 lb down and 83 lb up at 31-11-4, and 88 lb down and 122 lb up at 33-11-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

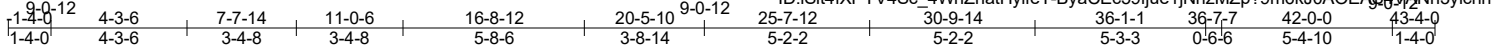
Vert: 8-11=-68, 5-8=-68, 4-5=-68, 1-4=-68, 17-20=-20

Concentrated Loads (lb)

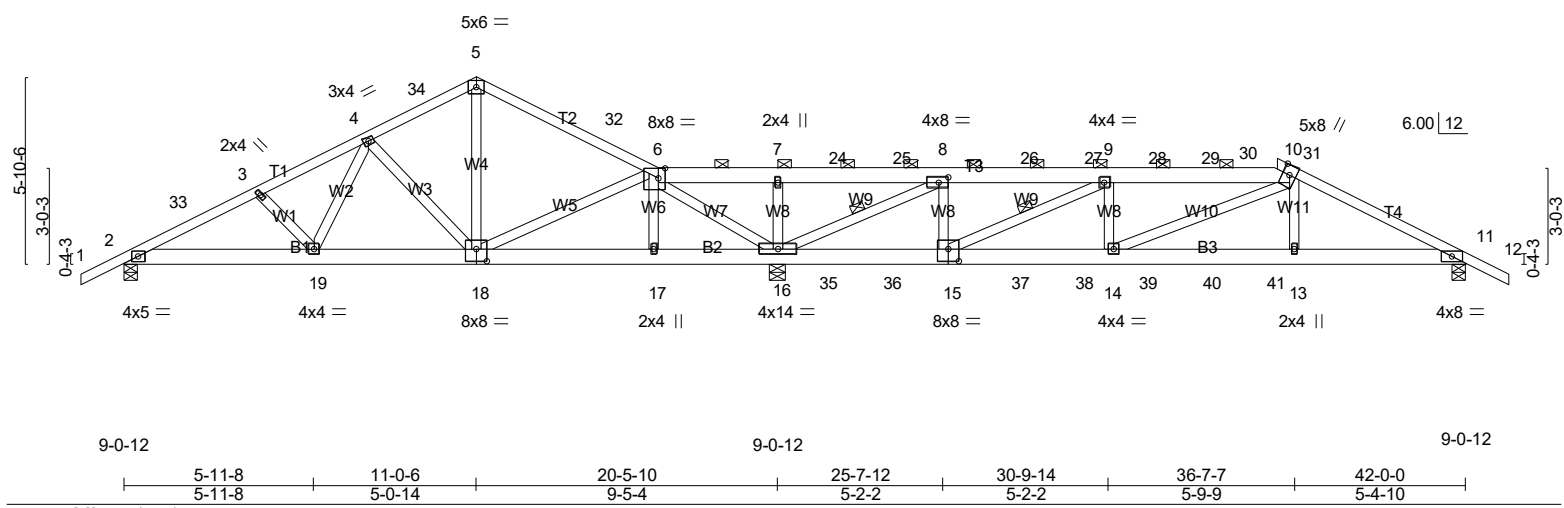
Vert: 29=-2 30=-26 32=-42 33=-9

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A19	ROOF SPECIAL GIRDER	1	1	

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch  
 Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:38 2019 Page 1  
 ID: Slt4fXPV4Sc\_4WhZhatHyfeT-ByaCEc59fjue1jNnzMZp?9m6kJOA0EAS4MA3n3yicnh



Scale = 1:72.1



LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.10	14	>999	240	MT20	220/195
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.31	13-14	>839	180		
TCDL	14.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.07	11	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MSH		Wind(LL)	0.06	14	>999	360		
BCDL	10.0										Weight: 247 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF No.1&Btr G *Except* T3: 2x6 DF SS G	TOP CHORD Structural wood sheathing directly applied or 3-2-6 oc purlins, except 2-0-0 oc purlins (4-3-5 max.): 6-10.
BOT CHORD 2x6 DF SS G	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18,16-17.
WEBS 2x4 DF Std G	WEBS 1 Row at midpt 9-15, 8-16
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=713/0-5-8 (min. 0-1-8), 16=3352/0-5-8 (min. 0-3-10), 11=1597/0-5-8 (min. 0-2-0)  
 Max Horz 2=-64(LC 53)  
 Max Uplift 2=-93(LC 55), 16=-51(LC 11), 11=-51(LC 11)  
 Max Grav 2=868(LC 17), 16=3394(LC 31), 11=1848(LC 32)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 10-11=-3403/124, 6-7=-11/2003, 7-24=-11/2004, 24-25=-11/2004, 8-25=-11/2004, 8-26=-1607/263, 26-27=-1607/263, 9-27=-1607/263, 9-28=-3332/190, 28-29=-3332/190, 29-30=-3332/190, 30-31=-3332/190, 10-31=-3332/190, 5-32=-616/259, 6-32=-734/231, 2-33=-1358/207, 3-33=-1278/219, 3-4=-1179/233, 4-34=-621/241, 5-34=-571/253  
 BOT CHORD 2-19=-198/1190, 18-19=-169/811, 17-18=-915/370, 16-17=-915/368, 16-35=-243/1545, 35-36=-243/1545, 15-36=-243/1545, 15-37=-147/3332, 37-38=-147/3332, 14-38=-147/3332, 14-39=-65/2979, 39-40=-65/2979, 40-41=-65/2979, 13-41=-65/2979, 11-13=-61/2996  
 WEBS 10-13=0/380, 10-14=-299/640, 9-14=0/318, 9-15=-2003/53, 8-15=0/1104, 8-16=-3807/136, 7-16=-680/90, 6-16=-1657/0, 6-18=-29/1273, 4-18=-660/49, 4-19=0/406, 3-19=-321/49

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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.
  - 8) A plate rating reduction of 20% has been applied for the green lumber members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 11.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	A19	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:38 2019 Page 2  
ID:iSlt4fXPYV4Sc\_4WhZhatHyifeT-ByaCEc59fjue1jNnzMZp?9m6kJ0AOEAS4VANn3yicnh

**NOTES-**

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 168 lb down and 96 lb up at 21-11-4, 163 lb down and 95 lb up at 23-11-4, 164 lb down and 96 lb up at 25-11-4, 164 lb down and 95 lb up at 27-11-4, 164 lb down and 95 lb up at 29-11-4, 178 lb down and 95 lb up at 31-11-4, 196 lb down and 92 lb up at 33-11-4, and 422 lb down and 98 lb up at 35-11-4, and 155 lb down and 57 lb up at 35-11-4 on top chord, and 77 lb down at 21-11-4, 75 lb down at 23-11-4, 74 lb down at 25-11-4, 74 lb down at 27-11-4, 74 lb down at 29-11-4, 74 lb down at 31-11-4, and 74 lb down at 33-11-4, and 73 lb down at 35-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.
- 14) 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: 10-12=-68, 6-10=-68, 5-6=-68, 1-5=-68, 2-11=-20

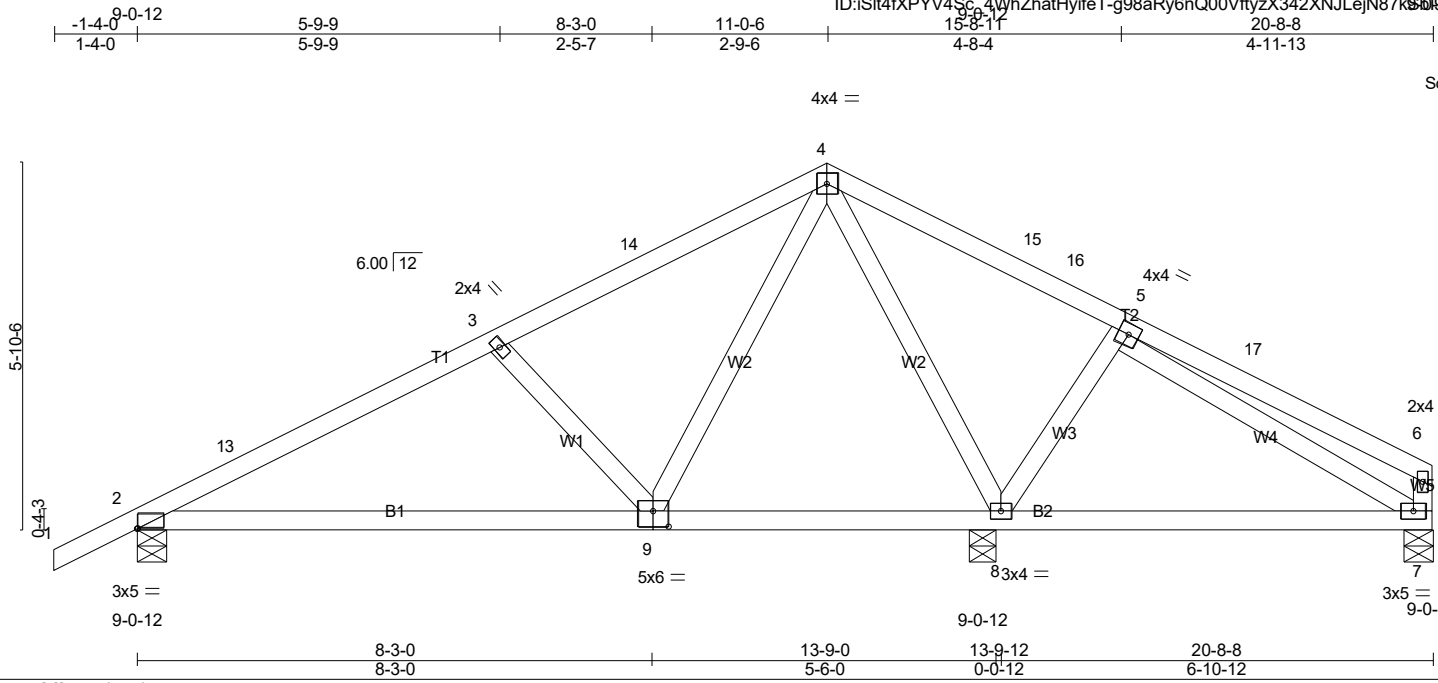
Concentrated Loads (lb)

Vert: 15=-61(F) 8=-109 24=-112 25=-108 26=-109 27=-109 28=-123 30=-143 31=-471(F=-127) 35=-69(F) 36=-63(F) 37=-61(F) 38=-61(F) 39=-61(F) 40=-62(F) 41=-60(F)

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	B01	Common	3	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:39 2019 Page 1  
 ID: iSlt4fXPYV4Sc4WhZhatHyifeT-g98aRy6nQ00VftyzX342XNJLejN87k8619wKvYjng



Scale = 1:36.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	Vert(LL)	-0.08 9-12	>999	240	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.33	Vert(CT)	-0.28 9-12	>592	180		
TCDL 14.0	Lumber DOL 1.15	WB 0.49	Horz(CT)	0.01 8	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Wind(LL)	0.02 9-12	>999	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 97 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied 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) 2=650/0-5-8 (min. 0-1-8), 8=1061/0-5-8 (min. 0-1-8), 7=189/0-5-8 (min. 0-1-8)  
 Max Horz 2=79(LC 14)  
 Max Uplift 7=-3(LC 15)  
 Max Grav 2=662(LC 21), 8=1061(LC 1), 7=219(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-13=-791/54, 3-13=-752/88, 3-14=-541/76, 4-14=-439/98, 4-15=0/258  
 BOT CHORD 2-9=-39/673  
 WEBS 3-9=-422/116, 4-9=-35/522, 4-8=-724/60, 5-8=-382/114

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-0-6, Exterior(2) 11-0-6 to 14-0-6, Interior(1) 14-0-6 to 20-6-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7.
  - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 10) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	B02	Common	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:39 2019 Page 1  
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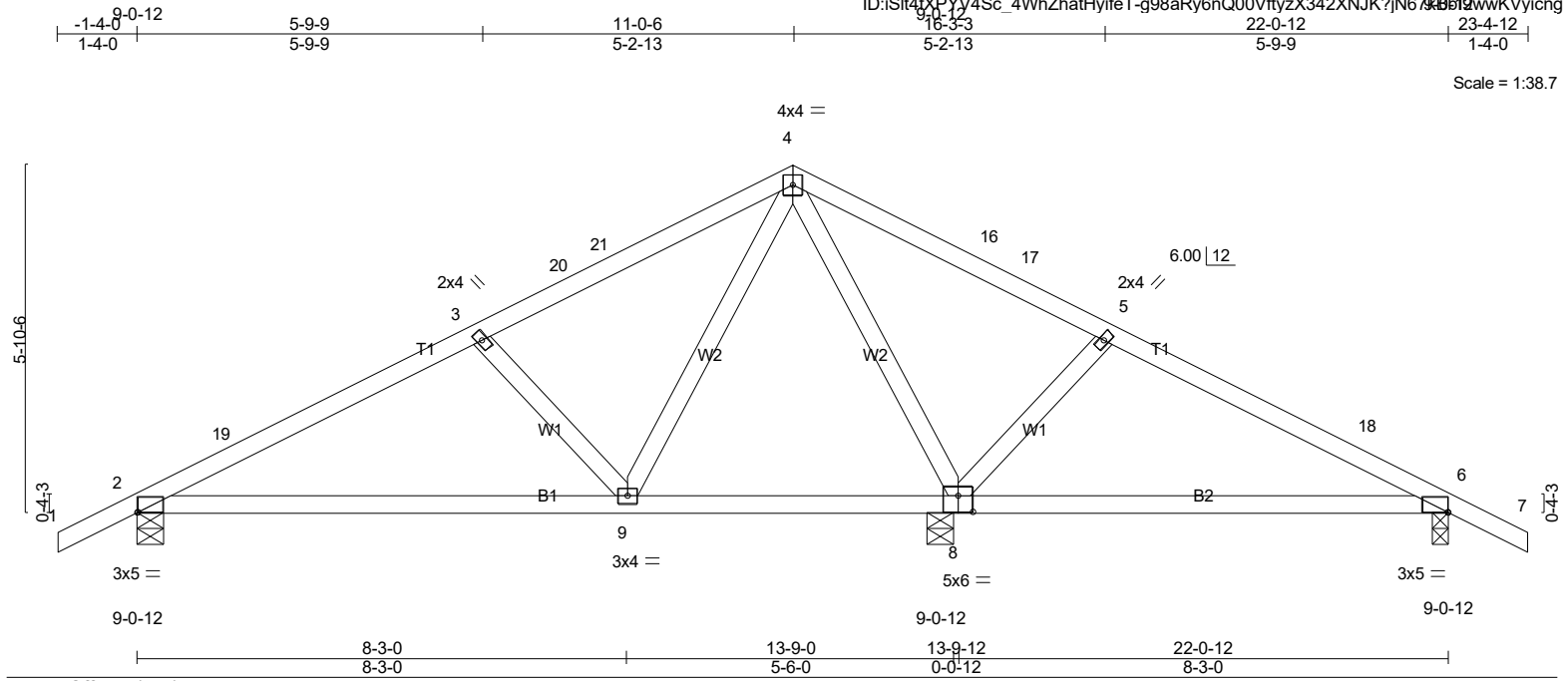


Plate Offsets (X,Y)-- [2:0-0-2,Edge], [6:0-0-2,Edge], [8:0-3-0,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.35	Vert(LL)	-0.08 9-15	>999	240	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.33	Vert(CT)	-0.29 9-15	>575	180		
TCDL 14.0	Lumber DOL 1.15	WB 0.51	Horz(CT)	0.01 8	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Wind(LL)	0.02 9-15	>999	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 95 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied 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.** (lb/size) 6=356/0-3-8 (min. 0-1-8), 8=1127/0-5-8 (min. 0-1-8), 2=640/0-5-8 (min. 0-1-8)  
 Max Horz 2=64(LC 13)  
 Max Uplift 6=-12(LC 15)  
 Max Grav 6=381(LC 22), 8=1127(LC 1), 2=667(LC 21)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 4-16=0/293, 2-19=-804/64, 3-19=-696/99, 3-20=-549/81, 20-21=-470/86, 4-21=-439/109  
 BOT CHORD 2-9=-10/686  
 WEBS 4-9=-36/527, 3-9=-442/116, 4-8=-750/63, 5-8=-447/116

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-0-6, Exterior(2) 11-0-6 to 14-0-6, Interior(1) 14-0-6 to 23-4-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.
  - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 10) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

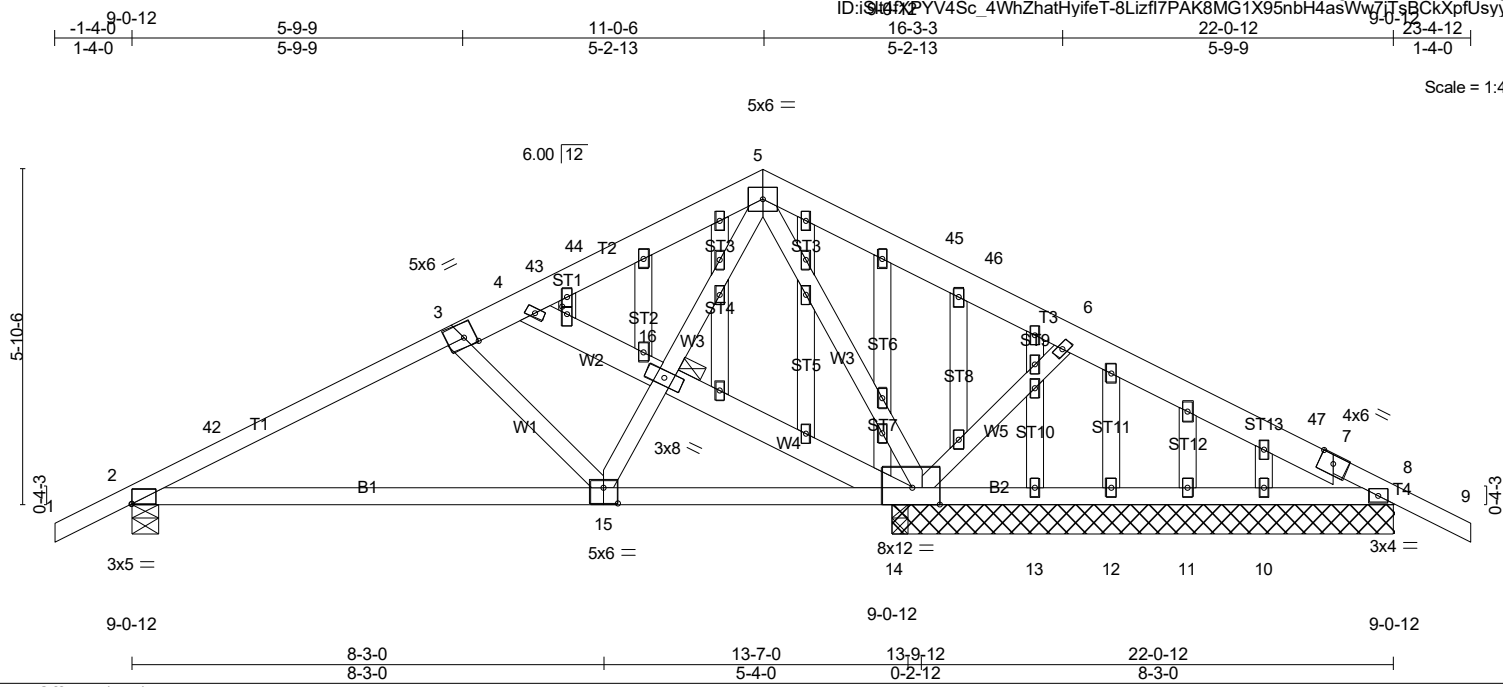


Plate Offsets (X,Y)--	[2:0-0-2,Edge], [3:0-2-8,0-2-0], [14:0-5-12,0-3-8], [14:0-0-0,0-2-14], [14:0-1-0,0-0-0], [15:0-3-0,0-3-4], [22:0-1-9,0-1-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.27	Vert(LL) -0.07	15-38	>999	240	MT20	220/195
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.32	Vert(CT) -0.26	15-38	>609	180		
TCDL 14.0	Rep Stress Incr YES	WB 0.46	Horz(CT) 0.01	14	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MSH	Wind(LL) 0.02	15-38	>999	360		
BCDL 10.0							Weight: 156 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS G *Except* T4, T1: 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 DF No.1&Btr G	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
WEBS 2x4 DF Std G *Except* W4, W2: 2x6 DF SS G	10-0-0 oc bracing: 2-15, 14-15.
OTHERS 2x4 DF Std G	1 Brace at Jt(s): 16

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

**REACTIONS.** All bearings 8-9-4 except (jt=length) 2=0-5-8, 14=0-3-8.  
 (lb) - Max Horz 2=63(LC 13)  
 Max Uplift All uplift 100 lb or less at joint(s) 8, 11, 10  
 Max Grav All reactions 250 lb or less at joint(s) 13, 12, 11, 10 except 2=630(LC 21), 8=303(LC 22), 14=1087(LC 1), 8=266(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-42=-715/50, 3-42=-673/84, 3-4=-513/78, 4-43=-315/40, 43-44=-308/46, 5-44=-299/69,  
 5-45=0/363, 45-46=0/272  
 BOT CHORD 2-15=-4/602, 14-15=0/282  
 WEBS 5-14=-716/27, 6-14=-444/130, 15-16=0/453, 5-16=0/452, 3-15=-252/55, 14-16=-295/86,  
 4-16=-294/86

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-0-6, Exterior(2) 11-0-6 to 14-0-6, Interior(1) 14-0-6 to 23-4-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 7) Gable studs spaced at 1-4-0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 11, 10, 8.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	C01	Common	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:41 2019 Page 1  
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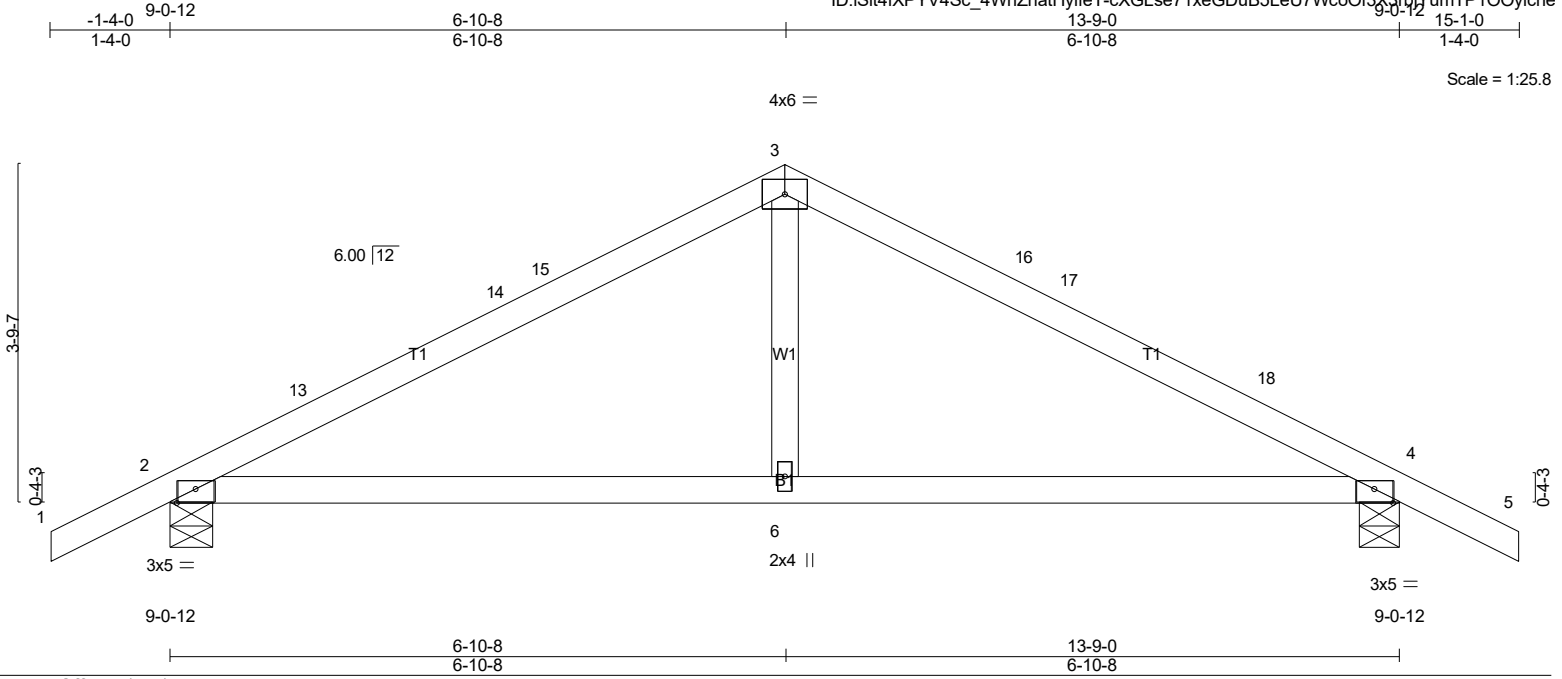


Plate Offsets (X,Y)-- [2:0-2-8,Edge], [4:0-2-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	Vert(LL)	-0.06	6-12	>999	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.38	Vert(CT)	-0.18	6-12	>926		
TCDL 14.0	Lumber DOL 1.15	WB 0.14	Horz(CT)	0.01	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Wind(LL)	0.04	6-9	>999		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 49 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G  
 WEBS 2x4 DF Std G

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

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

**REACTIONS.** (lb/size) 2=696/0-5-8 (min. 0-1-8), 4=696/0-5-8 (min. 0-1-8)  
 Max Horz 2=-43(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-13=-854/77, 13-14=-763/96, 14-15=-753/97, 3-15=-738/120, 3-16=-738/120,  
 16-17=-753/97, 17-18=-763/96, 4-18=-854/77  
 BOT CHORD 2-6=0/682, 4-6=0/682  
 WEBS 3-6=0/334

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 6-10-8, Exterior(2) 6-10-8 to 9-10-8, Interior(1) 9-10-8 to 15-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 9) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	C02	Common Supported Gable	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:42 2019 Page 1  
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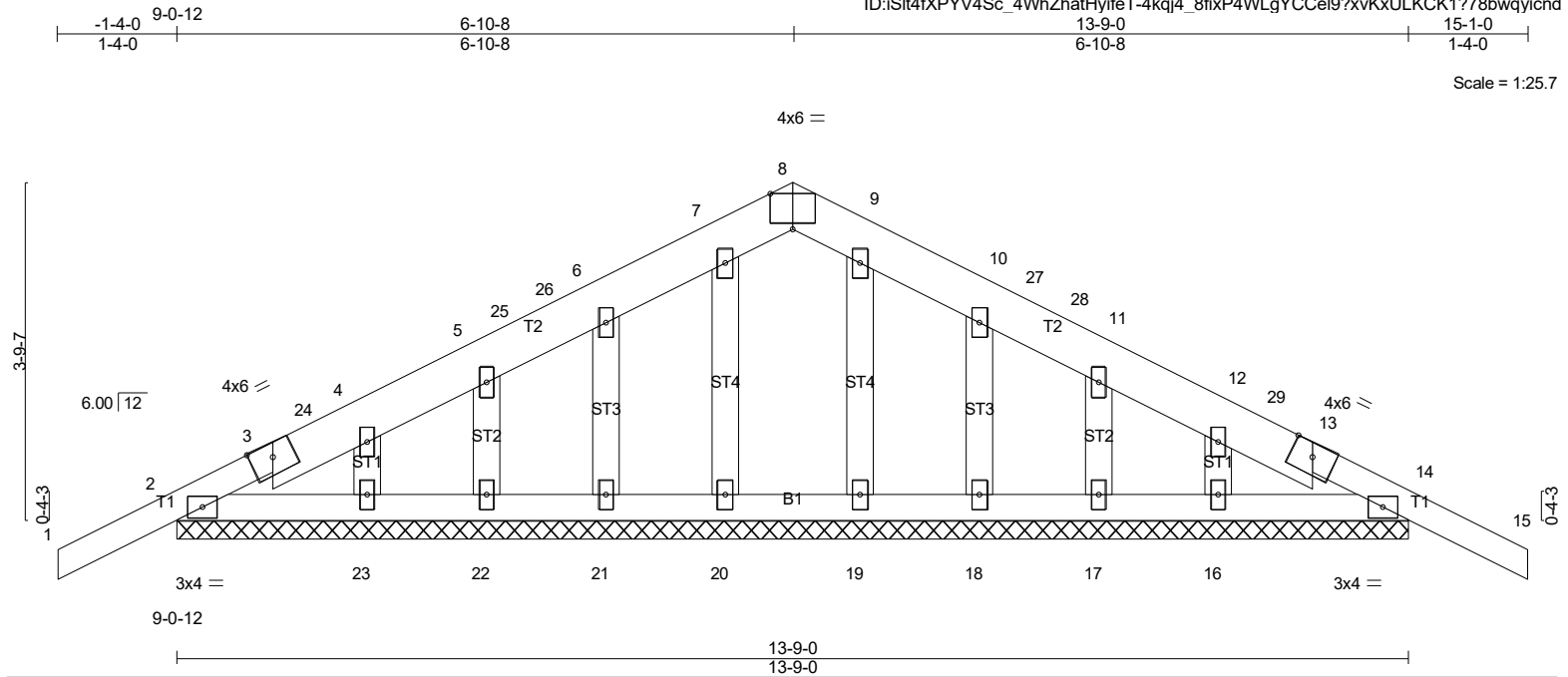


Plate Offsets (X,Y)-- [8:0-3-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	0.00	15	n/r	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.04	Vert(CT)	0.00	14	n/r		
TCDL 14.0	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00	14	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-SH						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 74 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G \*Except\*  
T2: 2x6 DF SS G  
BOT CHORD 2x4 DF No.1&Btr G  
OTHERS 2x4 DF Std G

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 13-9-0.  
(lb) - Max Horz 2=-42(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 23, 18, 17, 16  
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 23, 19, 18, 17, 16

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

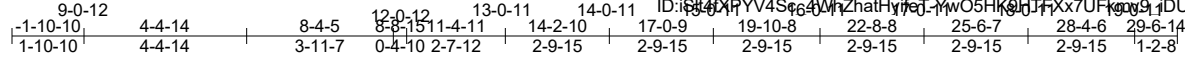
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCCL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) -1-4-0 to 1-8-0, Exterior(2) 1-8-0 to 6-10-8, Corner(3) 6-10-8 to 9-10-8, Exterior(2) 9-10-8 to 15-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 7) Gable requires continuous bottom chord bearing.
  - 8) Gable studs spaced at 1-4-0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 23, 18, 17, 16.
  - 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 14.
  - 14) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 15) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	CR01	Diagonal Hip Girder	3	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

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Scale = 1:62.2

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.19	Vert(LL)	-0.01	14	>999	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	-0.03	14	>999		
TCDL 14.0	Lumber DOL 1.15	WB 0.19	Horz(CT)	-0.01	11	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP	Wind(LL)	-0.00	16	>999	Weight: 75 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x6 DF SS G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
 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 0-2-2 except (jt=length) 4=0-4-5, 2=0-7-6.  
 (lb) - Max Horz 2=295(LC 6)  
 Max Uplift All uplift 100 lb or less at joint(s) 5, 4, 6, 7, 8, 9, 10, 11  
 Max Grav All reactions 250 lb or less at joint(s) 5, 6, 7, 8 except 4=535(LC 1), 2=531(LC 1), 9=292(LC 17), 10=272(LC 17), 11=324(LC 17)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-17=-676/0, 3-17=-636/0, 3-18=-257/0, 4-13=0/290  
 BOT CHORD 2-20=-34/597, 14-20=-34/597, 14-21=-34/597, 13-21=-34/597  
 WEBS 3-13=-642/37

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 19.8 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 6, 7, 8, 9, 10, 11.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4, 6, 7, 8, 9, 10, 11.
  - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 4, 6, 7, 8, 9, 10, 11.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
  - 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 13 lb up at 2-9-8, 44 lb down and 13 lb up at 2-9-8, 61 lb down and 41 lb up at 5-7-7, 61 lb down and 41 lb up at 5-7-7, 78 lb down and 41 lb up at 5-7-7, 85 lb down and 22 lb up at 11-3-5, 41 lb down and 22 lb up at 14-1-4, 44 lb down and 22 lb up at 16-11-3, 47 lb down and 22 lb up at 19-9-2, 49 lb down and 22 lb up at 22-7-1, and 52 lb down and 22 lb up at 25-5-0, and 55 lb down and 19 lb up at 28-3-0 on top chord, and 10 lb down and 10 lb up at 2-9-8, 10 lb down and 10 lb up at 2-9-8, and 32 lb down at 5-7-7, and 32 lb down at 5-7-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 14) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.
  - 15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	CR01	Diagonal Hip Girder	3	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:43 2019 Page 2  
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**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-4=-68, 4-12=-68, 2-13=-20

Concentrated Loads (lb)

Vert: 4=-22(F) 6=-1(F) 7=-4(F) 8=-7(F) 9=-10(F) 10=-12(F) 11=-16(F) 18=-42(F=-21, B=-21) 20=0(F=0, B=0) 21=-43(F=-21, B=-21)

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	CR02	Diagonal Hip Girder	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:44 2019 Page 1  
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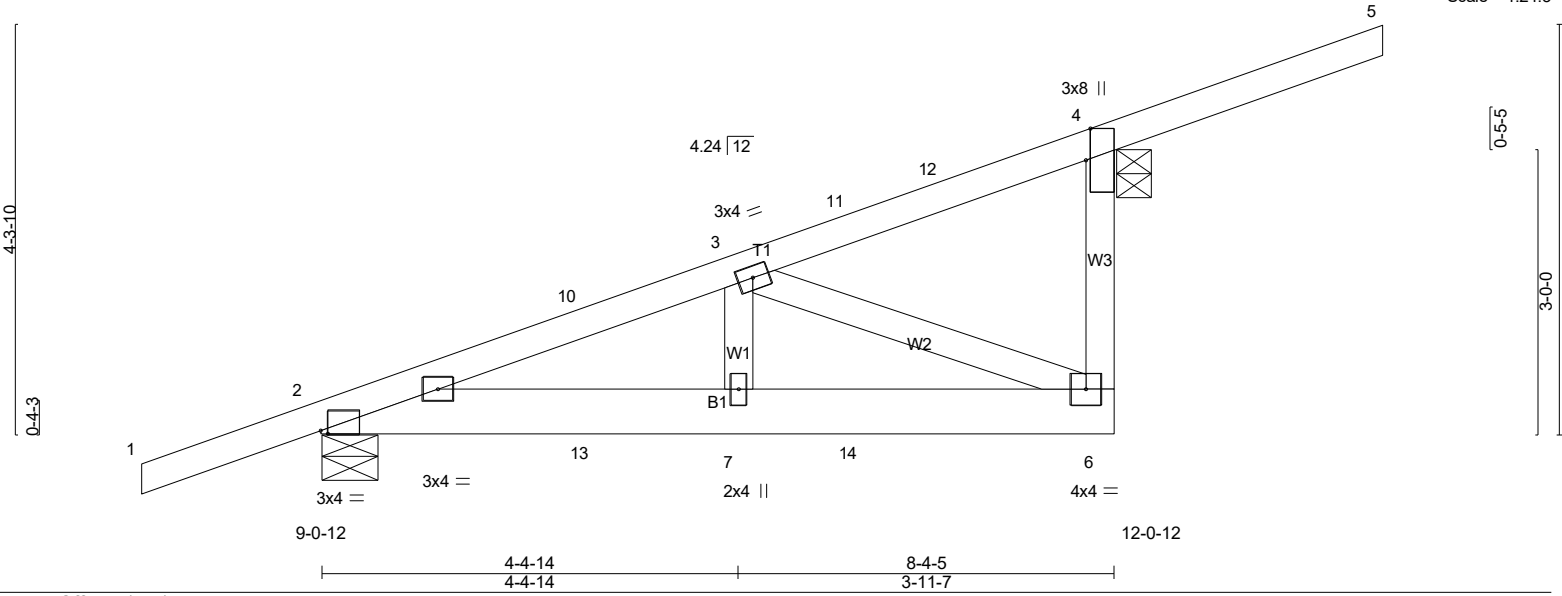


Plate Offsets (X,Y)-- [2:0-0-15,Edge], [4:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	Vert(LL)	0.01	7-9	>999	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.10	Vert(CT)	-0.02	7-9	>999		
TCDL 14.0	Lumber DOL 1.15	WB 0.14	Horz(CT)	-0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP	Wind(LL)	0.00	7	>999		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 48 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x6 DF SS G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10'-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) 4=765/0-4-5 (min. 0-1-8), 2=494/0-7-6 (min. 0-1-8)  
 Max Horz 2=123(LC 6)  
 Max Uplift 4=-87(LC 7), 2=-27(LC 6)  
 Max Grav 4=836(LC 17), 2=494(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-10=-525/0, 3-10=-482/0  
 BOT CHORD 2-13=-16/455, 7-13=-16/455, 7-14=-16/455, 6-14=-16/455  
 WEBS 3-6=-490/17

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 19.8 psf or 1.00 times flat roof load of 20.0 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" tall by 2'-0" wide will fit between the bottom chord and any other members.
  - 7) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
  - 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
  - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 13 lb up at 2-9-8, 44 lb down and 13 lb up at 2-9-8, 61 lb down and 41 lb up at 5-7-7, and 61 lb down and 41 lb up at 5-7-7, and 162 lb down and 62 lb up at 8-5-6 on top chord, and 10 lb down and 10 lb up at 2-9-8, 10 lb down and 10 lb up at 2-9-8, and 32 lb down at 5-7-7, and 32 lb down at 5-7-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.
  - 14) 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

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	CR02	Diagonal Hip Girder	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:44 2019 Page 2  
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**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-4=-68, 4-5=-68, 2-6=-20

Concentrated Loads (lb)

Vert: 4=-122(B) 11=-42(F=-21, B=-21) 13=0(F=0, B=0) 14=-43(F=-21, B=-21)

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	D01	Common Supported Gable	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:45 2019 Page 1  
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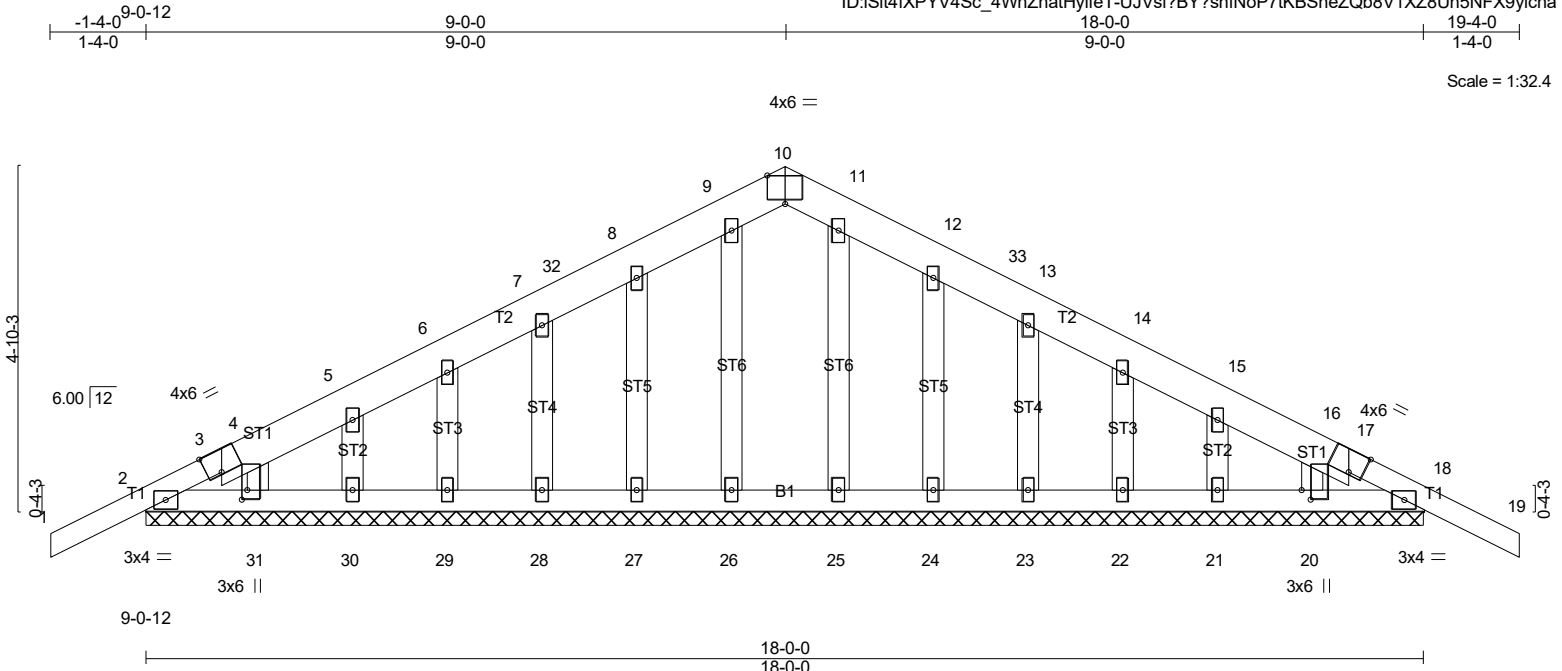


Plate Offsets (X,Y)-- [3:0-2-6,Edge], [4:0-0-14,0-1-13], [10:0-3-0,Edge], [16:0-0-14,0-1-13], [17:0-2-6,Edge], [20:0-0-0,0-1-13], [20:0-1-11,0-1-9], [31:0-1-11,0-0-15], [31:0-0-0,0-1-13]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15	TC 0.08	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Lumber DOL 1.15	BC 0.04	Vert(LL) 0.00 19 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Vert(CT) -0.00 18 n/r 120		
BCDL 10.0	Code IBC2015/TPI2014	Matrix-SH	Horz(CT) 0.00 18 n/a n/a		
				Weight: 106 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G \*Except\*  
T2: 2x6 DF SS G  
BOT CHORD 2x4 DF No.1&Btr G  
OTHERS 2x4 DF Std G

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 18-0-0.  
(lb) - Max Horz 2=-53(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20  
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 26, 27, 28, 29, 30, 31, 25, 24, 23, 22, 21, 20

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

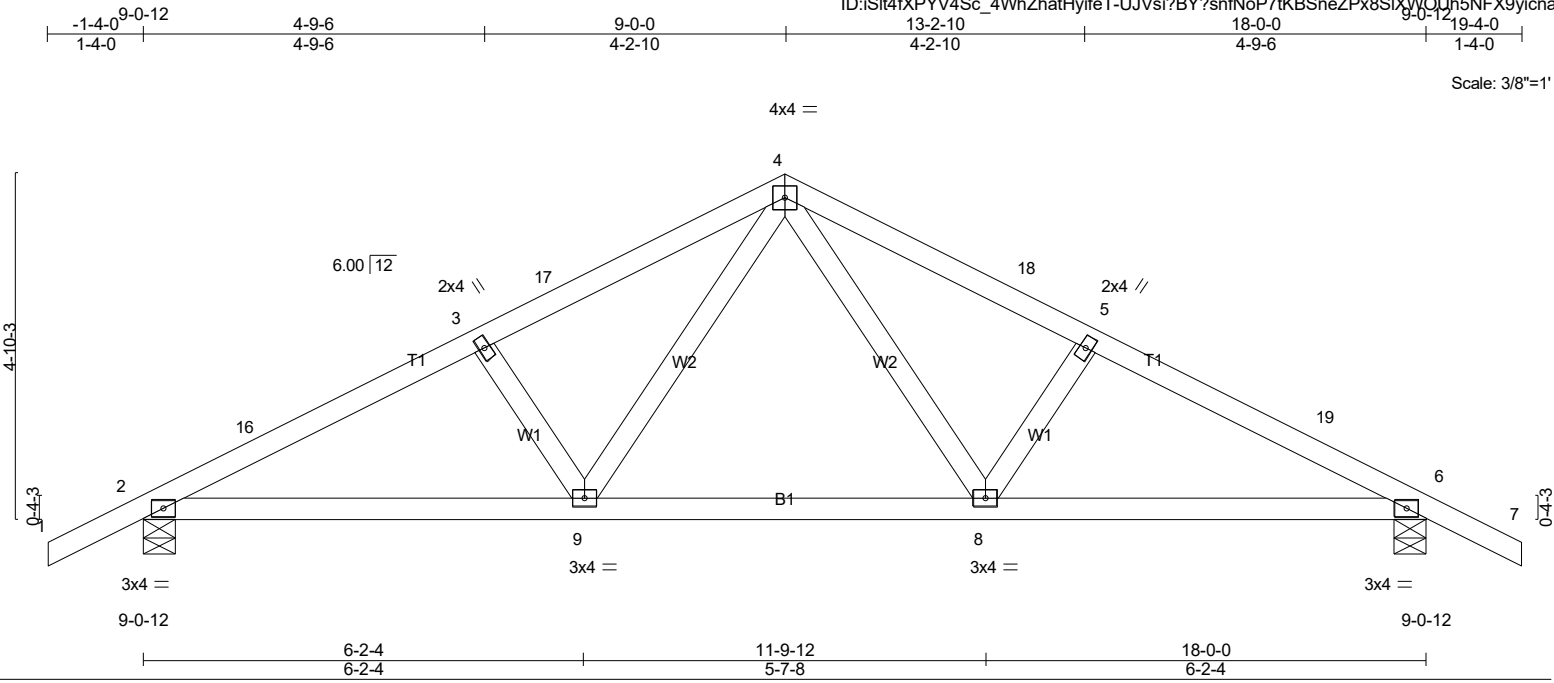
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCCL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) -1-4-0 to 1-7-0, Exterior(2) 1-7-0 to 9-0-0, Corner(3) 9-0-0 to 12-0-0, Exterior(2) 12-0-0 to 19-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 4) Unbalanced snow loads have been considered for this design.
  - 5) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 7) Gable requires continuous bottom chord bearing.
  - 8) Gable studs spaced at 1-4-0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20.
  - 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 18.
  - 14) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 15) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	D02	Common	4	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:45 2019 Page 1  
 ID: iSlt4fXPYV4Sc\_4WhZhatHyifeT-UJVsi?BY?snfNoP7tKBSneZPx8SIXWOUh5NFX9yicna



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.19 BC 0.25 WB 0.21 Matrix-MSH	in (loc) l/defl L/d Vert(LL) -0.03 9-12 >999 240 Vert(CT) -0.12 9-12 >999 180 Horz(CT) 0.03 6 n/a n/a Wind(LL) 0.02 9-12 >999 360	MT20	220/195
TCDL 14.0				Weight: 78 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G  
 WEBS 2x4 DF Std G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-7-14 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=883/0-5-8 (min. 0-1-8), 6=883/0-5-8 (min. 0-1-8)  
 Max Horz 2=-54(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-16=-1346/104, 3-16=-1308/132, 3-17=-1205/126, 4-17=-1133/155, 4-18=-1133/155, 5-18=-1205/126, 5-19=-1308/132,  
 6-19=-1346/104  
 BOT CHORD 2-9=-33/1170, 8-9=0/781, 6-8=-52/1170  
 WEBS 4-8=-43/472, 5-8=-327/99, 4-9=-43/472, 3-9=-327/99

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 19-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 9) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	D03	Common	2	1	Job Reference (optional)

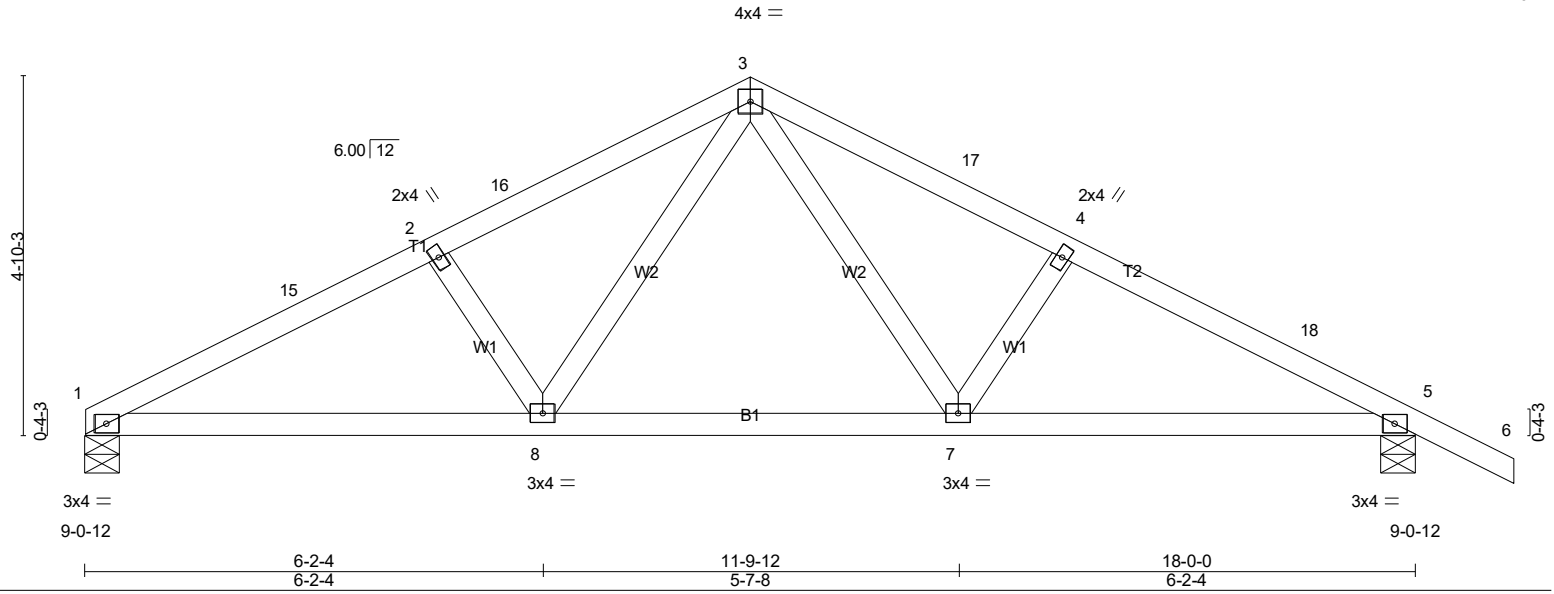
STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:46 2019 Page 1

ID:Sl14fXPYV4Sc\_4WhZhatHyifeT-zV3EvLBAmAvW\_y\_JR2ihJr6ZWYgdGzWdvl6o3byicnZ



Scale = 1:31.2



<b>LOADING (psf)</b>	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.20 BC 0.27 WB 0.22 Matrix-MSH	in (loc) l/defl L/d Vert(LL) -0.03 8-11 >999 240 Vert(CT) -0.13 8-11 >999 180 Horz(CT) 0.03 5 n/a n/a Wind(LL) 0.02 8-11 >999 360	MT20	220/195
TCDL 14.0				Weight: 76 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G  
WEBS 2x4 DF Std G

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-6-9 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=789/0-5-8 (min. 0-1-8), 5=886/0-5-8 (min. 0-1-8)  
Max Horz 1=-57(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-15=-1367/137, 2-15=-1305/155, 2-16=-1225/149, 3-16=-1152/178, 3-17=-1140/161, 4-17=-1212/140, 4-18=-1315/138,  
5-18=-1353/110  
BOT CHORD 1-8=-60/1192, 7-8=0/788, 5-7=-57/1176  
WEBS 3-7=-36/463, 4-7=-318/95, 3-8=-46/490, 2-8=-337/101

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 19-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 9) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	D04	Common	7	1	Job Reference (optional)

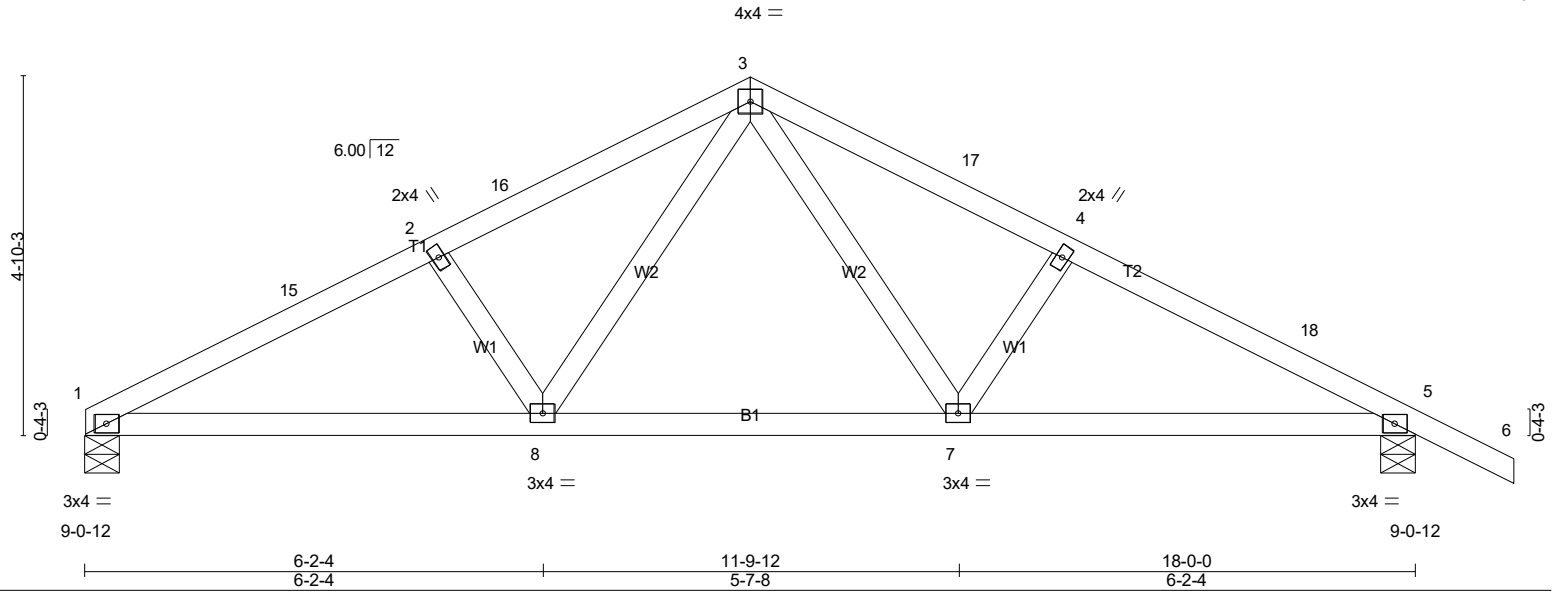
STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:47 2019 Page 1

ID: iSIt4fXPYV4Sc\_4WhZhatHyifeT-Rhdc7hCoXT1Nc6ZV?IDws3ekGx7s?Qm8PsLc2yicnY



Scale = 1:31.2



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.20 BC 0.27 WB 0.22 Matrix-MSH	in (loc) l/defl L/d Vert(LL) -0.03 8-11 >999 240 Vert(CT) -0.13 8-11 >999 180 Horz(CT) 0.03 5 n/a n/a Wind(LL) 0.02 8-11 >999 360	MT20	220/195
TCDL 14.0				Weight: 76 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G  
WEBS 2x4 DF Std G

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-6-9 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=789/0-5-8 (min. 0-1-8), 5=886/0-5-8 (min. 0-1-8)  
Max Horz 1=-57(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-15=-1367/137, 2-15=-1305/155, 2-16=-1225/149, 3-16=-1152/178, 3-17=-1140/161, 4-17=-1212/140, 4-18=-1315/138,  
5-18=-1353/110  
BOT CHORD 1-8=-60/1192, 7-8=0/788, 5-7=-57/1176  
WEBS 3-7=-36/463, 4-7=-318/95, 3-8=-46/490, 2-8=-337/101

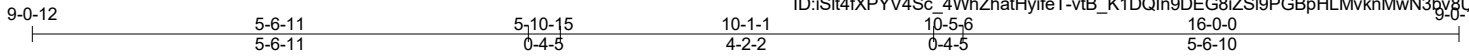
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 19-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 9) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job J19-248	Truss E01	Truss Type California Girder	Qty 1	Ply 2	Stuesser Residence Job Reference (optional)
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STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:48 2019 Page 1  
ID:ISit4XPYV4Sc 4WhZhatHyifeT-vtB\_K1DQIn9DEG8iZSi9PGBpHLMvknMwN3by8UlyjcnX



Scale = 1:25.8

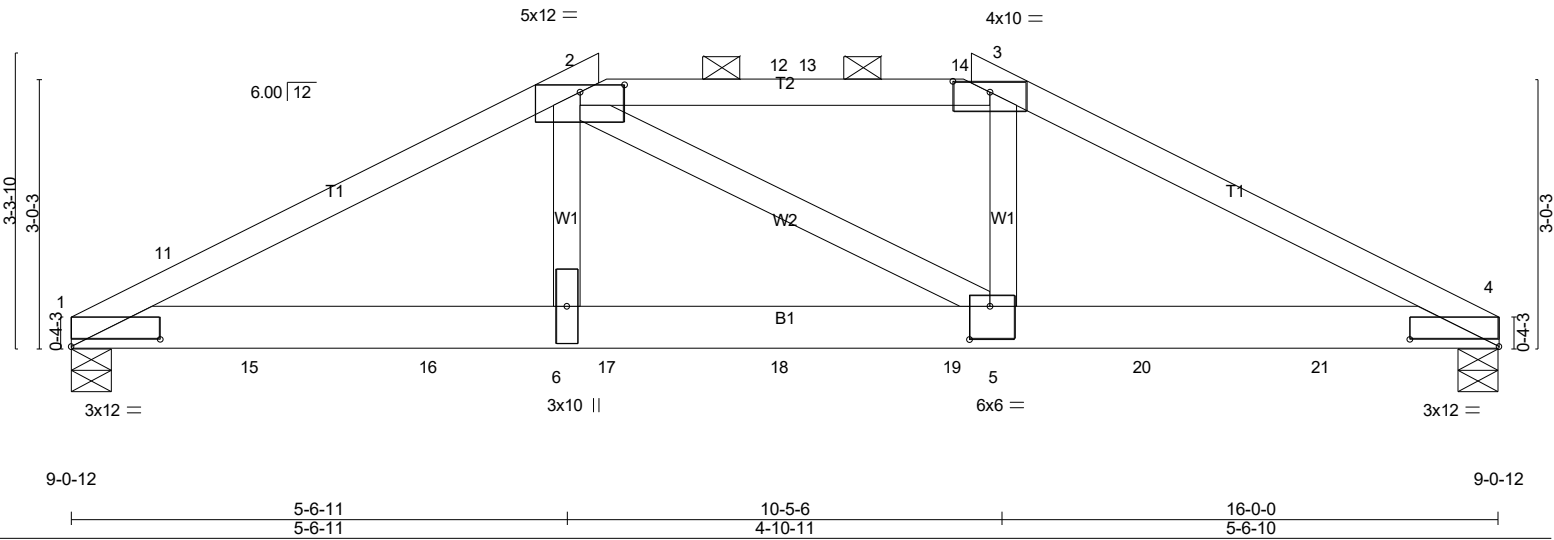


Plate Offsets (X,Y)-- [1:1-0-0,0-1-0], [2:0-6-0,0-1-0], [3:0-5-0,0-1-8], [4:1-0-0,0-1-0], [5:0-2-12,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.63	Vert(LL) -0.08	6-8	>999	240	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.73	Vert(CT) -0.26	5-6	>743	180		
TCDL 14.0	Lumber DOL 1.15	WB 0.58	Horz(CT) 0.08	4	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MSH	Wind(LL) 0.02	6	>999	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 147 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins, except 2-0-0 oc purlins (4-8-9 max.): 2-3.
BOT CHORD 2x6 DF SS G	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF Std G	

**REACTIONS.** (lb/size) 1=4198/0-5-8 (min. 0-2-6), 4=4202/0-5-8 (min. 0-2-6)  
Max Horz 1=29(LC 7)  
Max Grav 1=4405(LC 28), 4=4408(LC 28)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-11=-8523/0, 2-11=-8517/0, 2-12=-7210/0, 12-13=-7204/0, 13-14=-7204/0, 3-14=-7190/0, 3-4=-8112/0  
BOT CHORD 1-15=0/7661, 15-16=0/7661, 6-16=0/7661, 6-17=0/7525, 17-18=0/7525, 18-19=0/7525, 5-19=0/7525, 5-20=0/7204,  
20-21=0/7204, 4-21=0/7204  
WEBS 2-6=0/2405, 2-5=-450/0, 3-5=0/2613

- 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 0-7-0 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 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 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.
  - A plate rating reduction of 20% has been applied for the green lumber members.
  - This truss is designed in accordance with the 2015 International Building Code section 2306.1 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) 723 lb down and 150 lb up at 5-8-7, and 195 lb down and 91 lb up at 8-0-0, and 723 lb down and 150 lb up at 10-0-7 on top chord, and 73 lb down at 6-0-12, and 74 lb down at 8-0-0, and 73 lb down at 9-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	E01	California Girder	1	2	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:48 2019 Page 2  
 ID:iSt4fXPYV4Sc\_4WhZhatHyifeT-vtB\_K1DQIn9DEG8iZSI9PGBpHLMvknMwN3bv8UyicnX

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

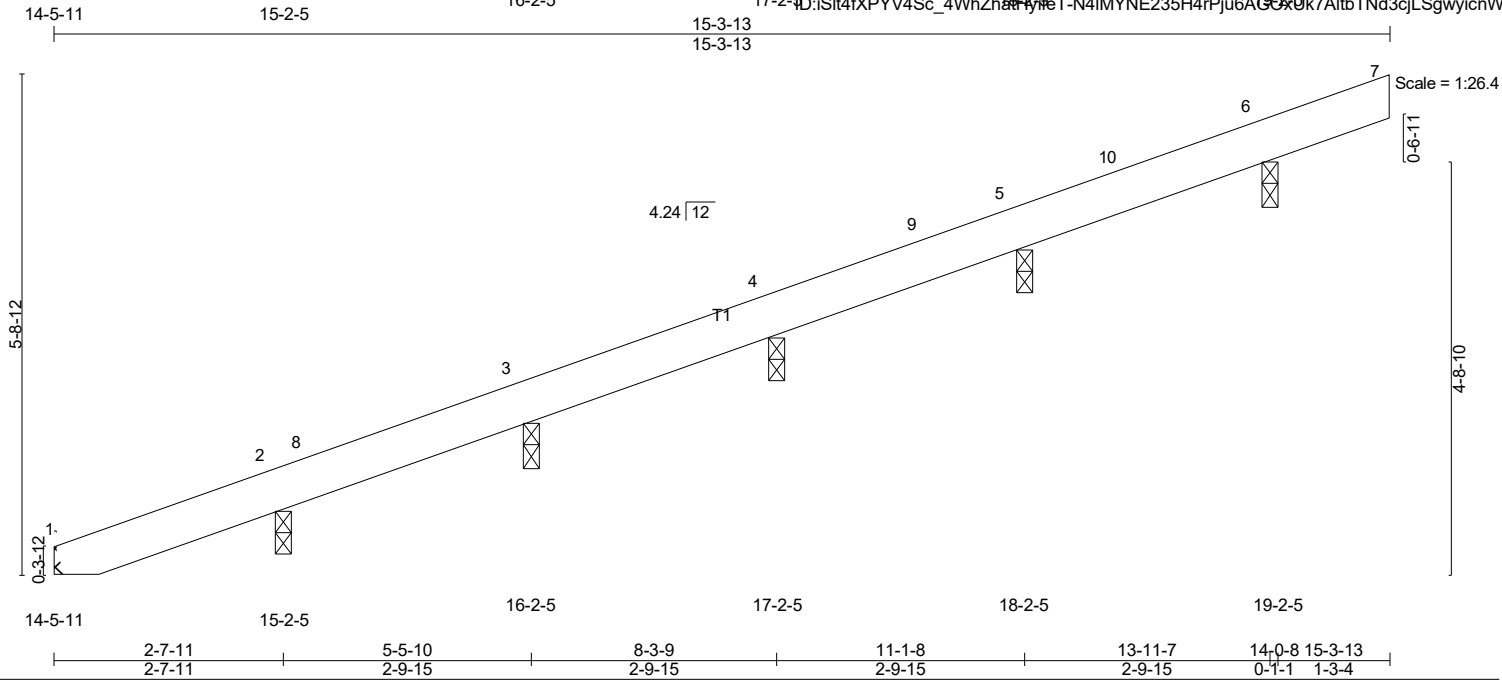
Vert: 1-2=-68, 2-3=-68, 3-4=-68, 1-4=-20

Concentrated Loads (lb)

Vert: 2=-643 12=-143 14=-643 15=-769 16=-769 17=-829(B=-60) 18=-831(B=-62) 19=-829(B=-60) 20=-769 21=-769

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	HR1	Rafter	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch  
 Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:49 2019 Page 1  
 17-2-17 ID: iSit4fXPV4Sc\_4WhZha4ymT-N4IMYNE235H4rPju6AC9x0k7AltN3cjLSgwyicwW



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.04	in (loc) l/defl L/d		
TCDL 14.0	Plate Grip DOL 1.15	BC 0.00	Vert(LL) -0.00 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(CT) -0.00 6 n/a n/a		
	Code IBC2015/TPI2014		Wind(LL) 0.00 4-5 >999 360	Weight: 36 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 DF SS G

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

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

**REACTIONS.** All bearings 0-2-2 except (jt=length) 1=Mechanical.  
 (lb) - Max Horz 1=138(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 3, 4, 5, 6  
 Max Grav All reactions 250 lb or less at joint(s) 1, 2, 3, 4, 5 except 6=287(LC 20)

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

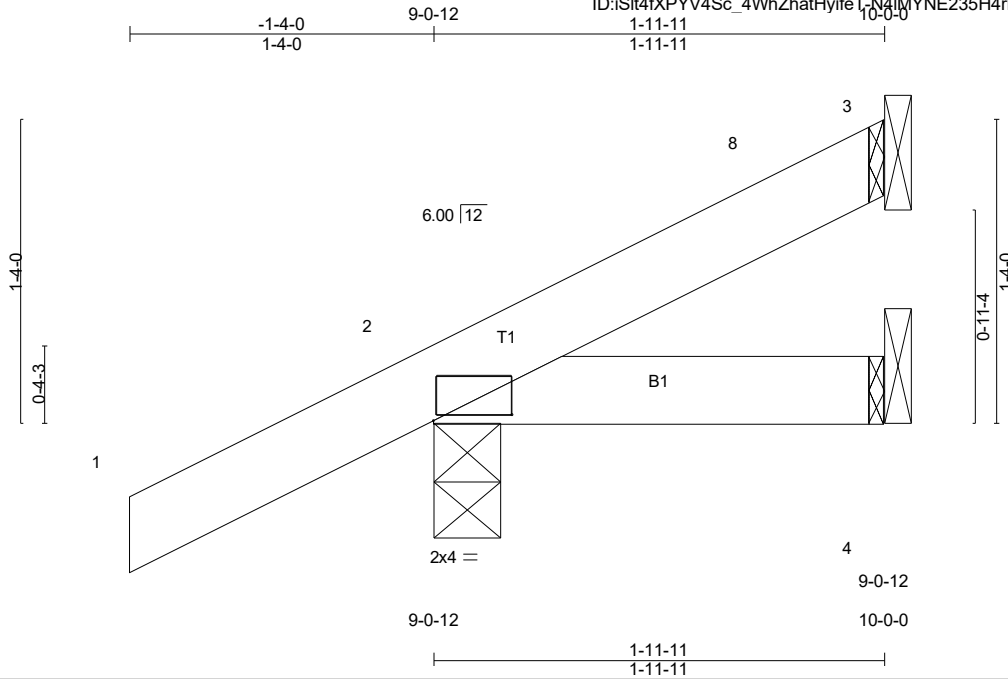
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-12 to 3-0-12, Interior(1) 3-0-12 to 15-3-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) \* 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.
  - 5) A plate rating reduction of 20% has been applied for the green lumber members.
  - 6) Refer to girder(s) for truss to truss connections.
  - 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2, 3, 4, 5, 6.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3, 4, 5, 6.
  - 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 6.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 11) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J01	Jack-Open	10	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:49 2019 Page 1  
 ID: iSIt4XPYV4Sc\_4WhZhatHyifeT\_N4IMYNE235H4rPju6AGOXk6ZlJTNd3cJLSgwyicnW



Scale = 1:10.1

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	0.00	7	>999	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.02	Vert(CT)	-0.00	7	>999		
TCDL 14.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	-0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Wind(LL)	-0.00	7	>999	Weight: 8 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 1-11-11 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=41/Mechanical, 2=208/0-3-8 (min. 0-1-8), 4=14/Mechanical  
 Max Horz 2=39(LC 14)  
 Max Uplift 3=9(LC 14), 2=-3(LC 14)  
 Max Grav 3=42(LC 21), 2=208(LC 21), 4=31(LC 5)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 11) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J02	Jack-Open	10	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:50 2019 Page 1  
 ID: Slt4fXPYV4Sc\_4WhZhatHyifeT-rGJkijEggOPxTZI4gndUhgGW9CMCqtDqN40CNyicv

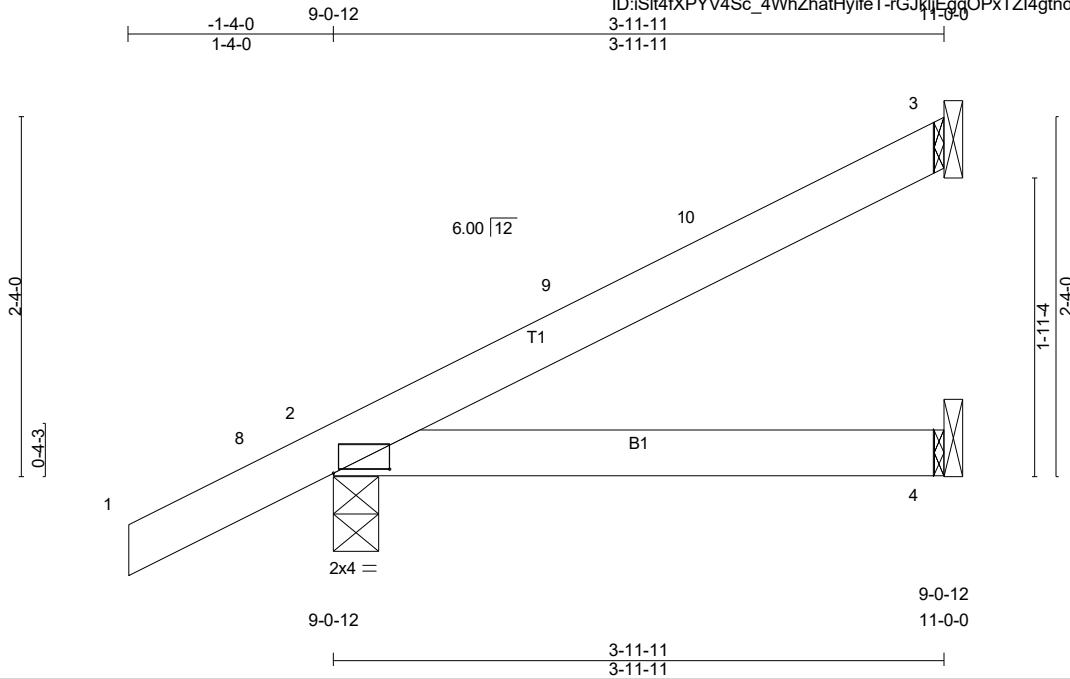


Plate Offsets (X,Y)-- [2:0-4-6,0-0-5]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL)	-0.01	4-7	>999	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	-0.03	4-7	>999		
TCDL 14.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Wind(LL)	0.01	4-7	>999	Weight: 14 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 3-11-11 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=108/Mechanical, 2=278/0-3-8 (min. 0-1-8), 4=49/Mechanical  
 Max Horz 2=65(LC 14)  
 Max Uplift 3=-22(LC 14)  
 Max Grav 3=117(LC 21), 2=280(LC 21), 4=72(LC 5)

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

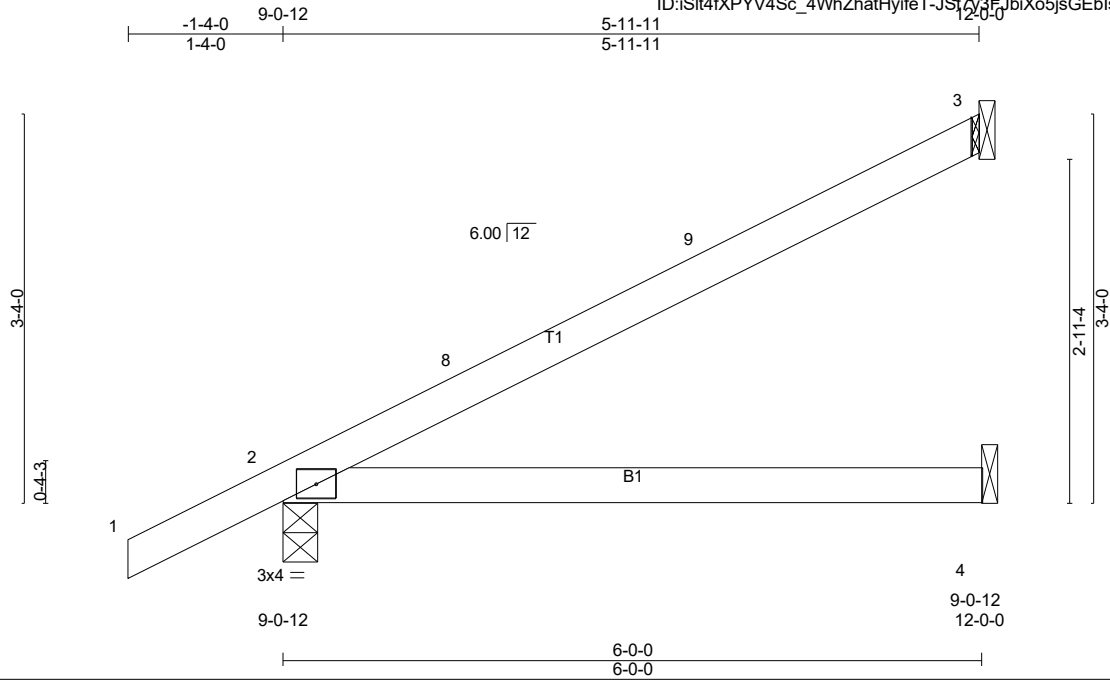
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 3-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
  - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 11) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J03	Jack-Open	5	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:51 2019 Page 1  
 ID: iSt4XPYV4Sc\_4WhZhatHyifeT-JSt7y3FJbiXo5jsGEbls0vpOTZUuxH7M31qZlpicnU



Scale = 1:19.8

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.27	Vert(LL) -0.04 4-7 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.17 4-7 >421 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 2 n/a n/a		
	Code IBC2015/TPI2014		Wind(LL) 0.05 4-7 >999 360	Weight: 20 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G

**BRACING-**  
 TOP CHORD  
 BOT CHORD

Structural wood sheathing directly applied or 5-11-11 oc purlins.  
 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=172/Mechanical, 2=361/0-3-8 (min. 0-1-8), 4=78/Mechanical  
 Max Horz 2=91(LC 14)  
 Max Uplift 3=35(LC 14)  
 Max Grav 3=195(LC 21), 2=367(LC 21), 4=113(LC 5)

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

**NOTES-**

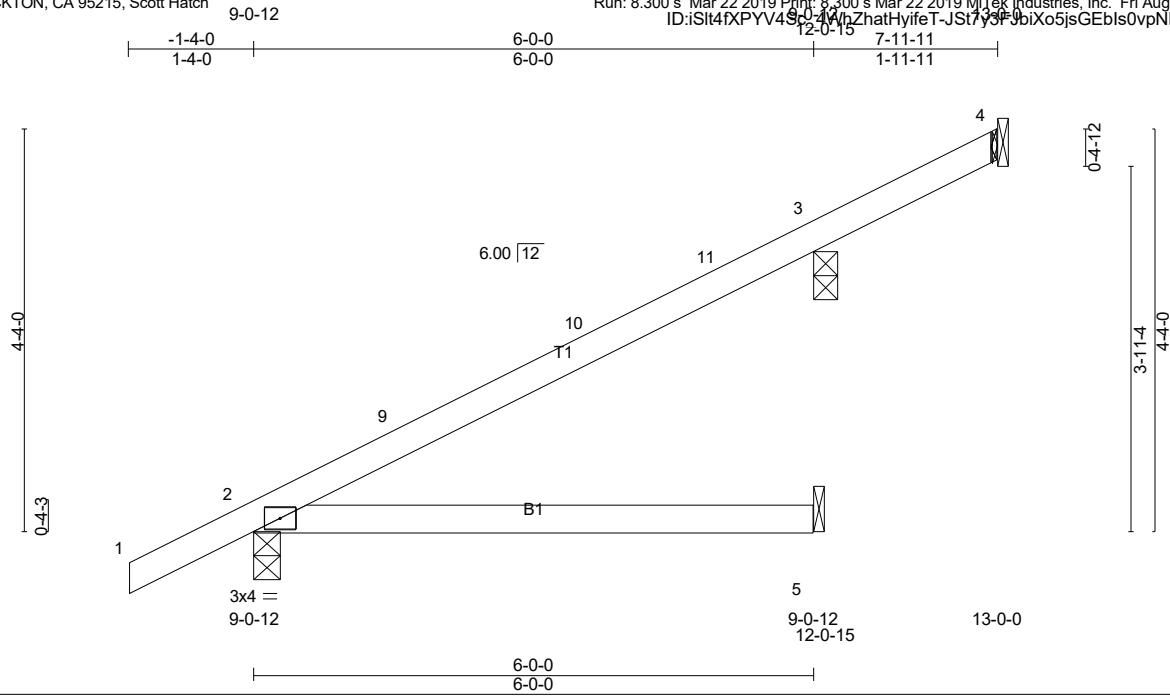
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J04	Jack-Open	3	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch  
 Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:51 2019 Page 1  
 ID: Slt4XPYV4SP-4WZhatHyfeT-JSt7y3FbiXo5jsGEbls0vpNLZUhxH7M31qZlpicnU



<b>LOADING (psf)</b>	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.28	Vert(LL) -0.04 5-8 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 5-8 >403 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 2 n/a n/a		
	Code IBC2015/TPI2014		Wind(LL) 0.04 5-8 >999 360	Weight: 23 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G

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

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

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-3-8, 3=0-3-1.  
 (lb) - Max Horz 2=117(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 4, 3  
 Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=369(LC 21), 3=272(LC 21)

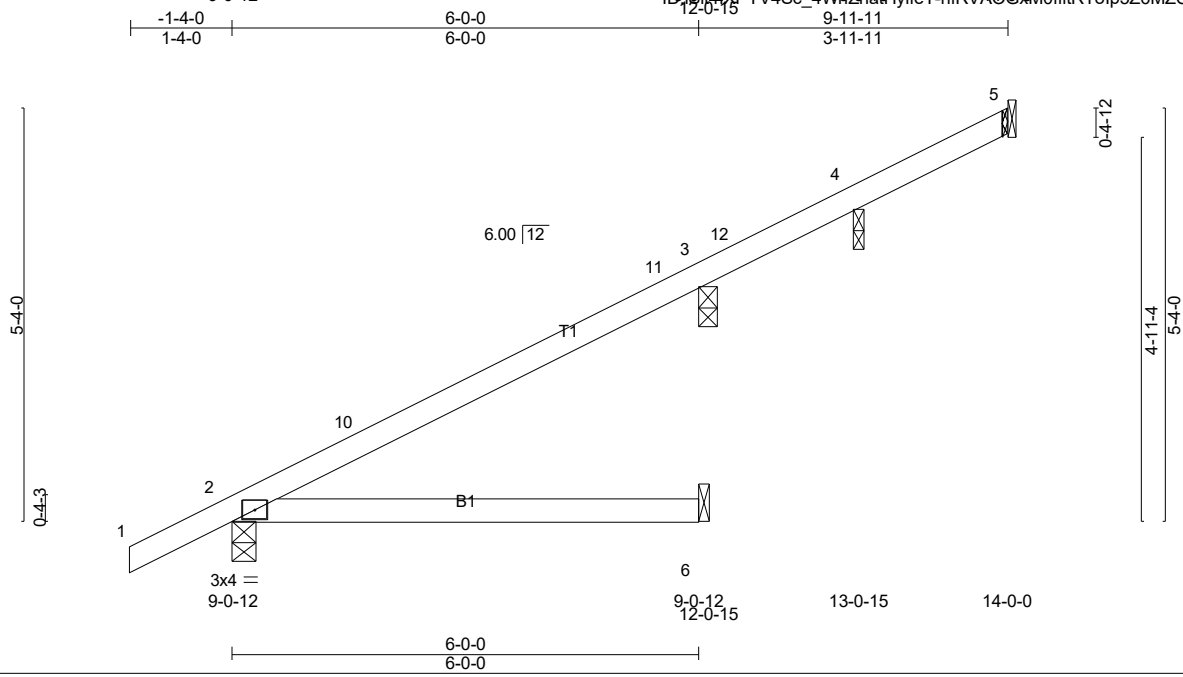
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3.
  - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 12) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J05	Jack-Open	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8:300 s Mar 22 2019 Print: 8:300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:52 2019 Page 1



Scale = 1:29.7

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.28	Vert(LL) -0.04 6-9 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 6-9 >406 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 2 n/a n/a		
	Code IBC2015/TPI2014		Wind(LL) 0.04 6-9 >999 360	Weight: 26 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G

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

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

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-3-8, 3=0-3-1, 4=0-1-8.  
(lb) - Max Horz 2=143(LC 14)  
Max Uplift All uplift 100 lb or less at joint(s) 5, 3, 4  
Max Grav All reactions 250 lb or less at joint(s) 5, 6, 4 except 2=368(LC 1), 3=257(LC 21)

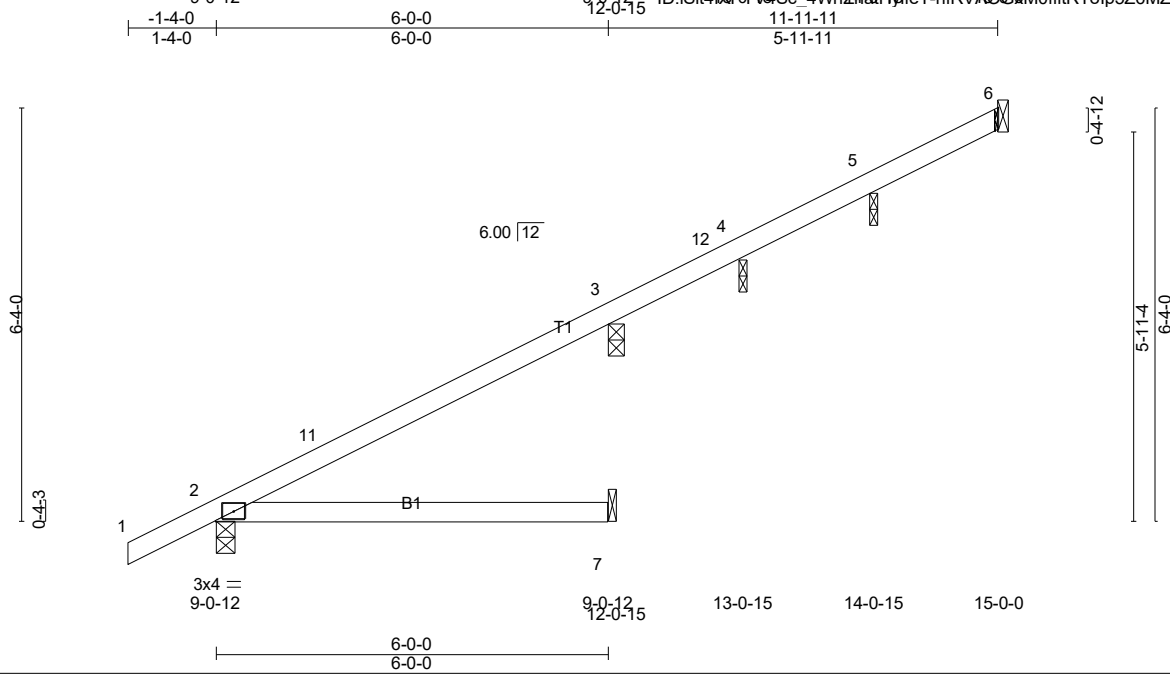
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 9-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J06	Jack-Open	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:52 2019 Page 1  
 ID: S141830V4 Sc 4WhZ4dH1eT-nfRVACB0fitR5Z6M2Cyc\_gkNVlhZ6HFyicnT



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.28	Vert(LL) -0.04 7-10 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 7-10 >406 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 2 n/a n/a		
	Code IBC2015/TPI2014		Wind(LL) 0.04 7-10 >999 360	Weight: 29 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 DF No.1&Btr G	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 Mechanical except (jt=length) 2=0-3-8, 3=0-3-1, 4=0-1-8, 5=0-1-8.  
 (lb) - Max Horz 2=168(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 6, 3, 4, 5  
 Max Grav All reactions 250 lb or less at joint(s) 6, 7, 3, 4, 5 except 2=368(LC 1)

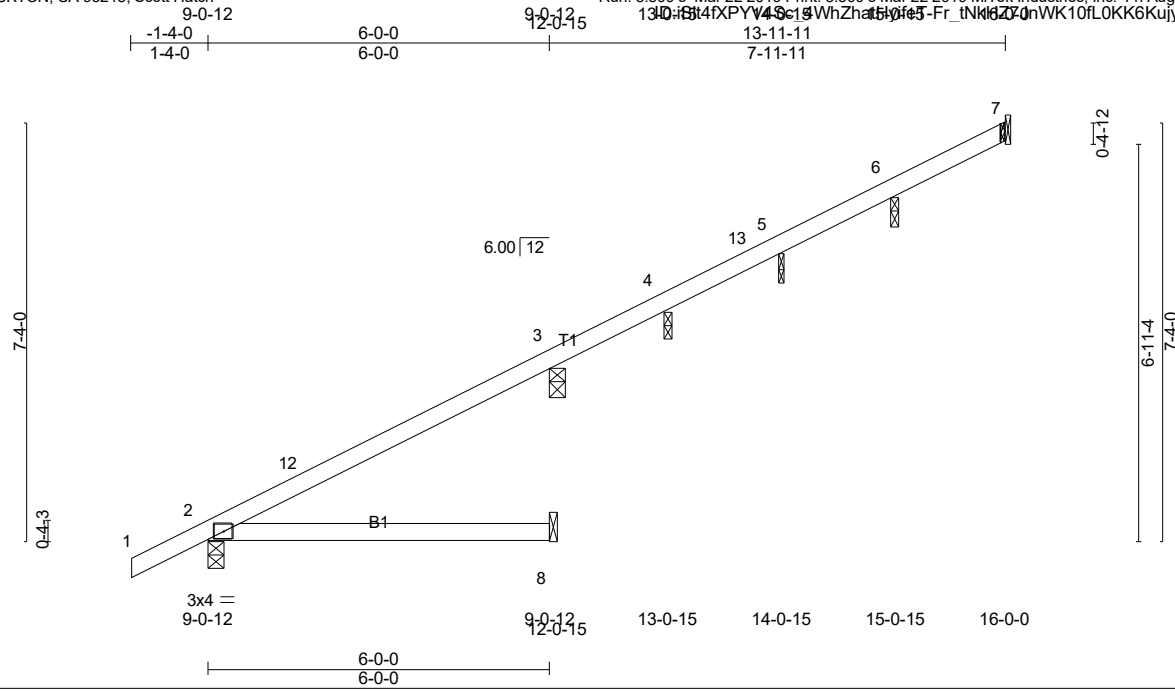
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 3, 4, 5.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J07	Jack-Open	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:53 2019 Page 1



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.28	Vert(LL) -0.04 8-11 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 8-11 >406 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 2 n/a n/a	Weight: 32 lb	FT = 20%
	Code IBC2015/TPI2014		Wind(LL) 0.04 8-11 >999 360		

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G

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

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

**REACTIONS.** All bearings 0-1-8 except (jt=length) 7=Mechanical, 2=0-3-8, 8=Mechanical, 3=0-3-1.  
(lb) - Max Horz 2=194(LC 14)  
Max Uplift All uplift 100 lb or less at joint(s) 7, 3, 4, 5, 6  
Max Grav All reactions 250 lb or less at joint(s) 7, 8, 3, 4, 5, 6 except 2=368(LC 1)

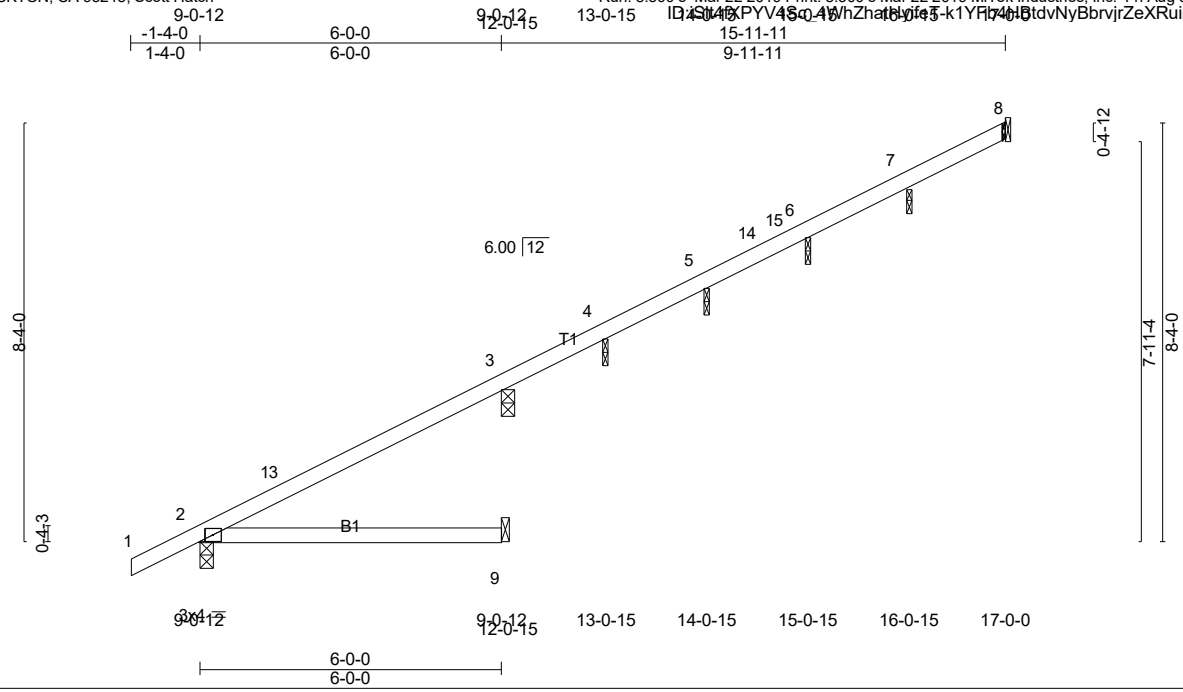
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-12=-262/94

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 3, 4, 5, 6.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J08	Jack-Open	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:54 2019 Page 1



Scale = 1:45.6

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.28	Vert(LL) -0.04 9-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 9-12 >406 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 8 n/a n/a		
	Code IBC2015/TPI2014		Wind(LL) 0.04 9-12 >999 360	Weight: 35 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G

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

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

**REACTIONS.** All bearings 0-1-8 except (jt=length) 8=Mechanical, 2=0-3-8, 9=Mechanical, 3=0-3-1.  
(lb) - Max Horz 2=220(LC 14)  
Max Uplift All uplift 100 lb or less at joint(s) 8, 3, 4, 5, 6, 7  
Max Grav All reactions 250 lb or less at joint(s) 8, 9, 3, 4, 5, 6, 7 except 2=368(LC 1)

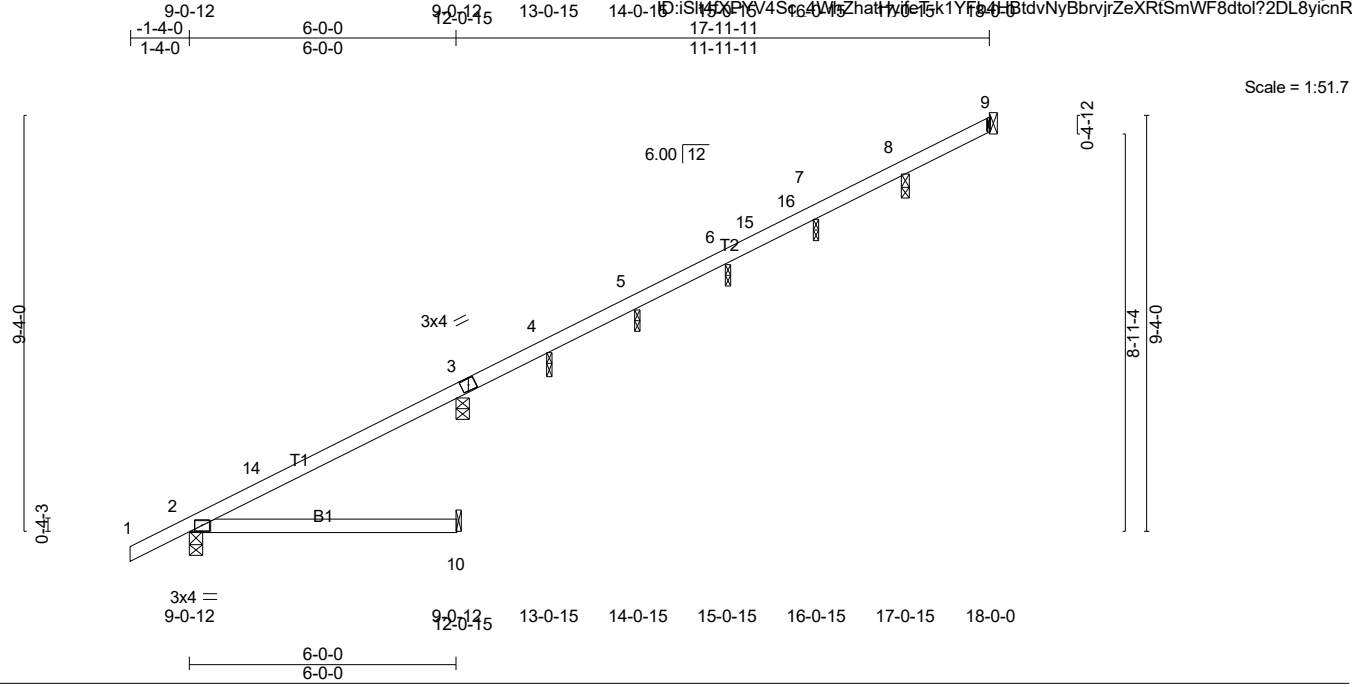
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-13=-296/116, 3-13=-272/165

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 15-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6, 7.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 3, 4, 5, 6, 7.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6, 7.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J09	Jack-Open	3	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:54 2019 Page 1



Scale = 1:51.7

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.29	Vert(LL) -0.04 10-13 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 10-13 >391 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 9 n/a n/a	Weight: 38 lb	FT = 20%
	Code IBC2015/TPI2014		Wind(LL) 0.04 10-13 >999 360		

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 DF No.1&Btr G	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 0-1-8 except (jt=length) 3=0-3-1, 9=Mechanical, 2=0-3-8, 10=Mechanical.  
 (lb) - Max Horz 2=246(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 3, 9, 4, 5, 6, 7, 8  
 Max Grav All reactions 250 lb or less at joint(s) 3, 9, 10, 4, 5, 6, 7, 8 except 2=371(LC 1)

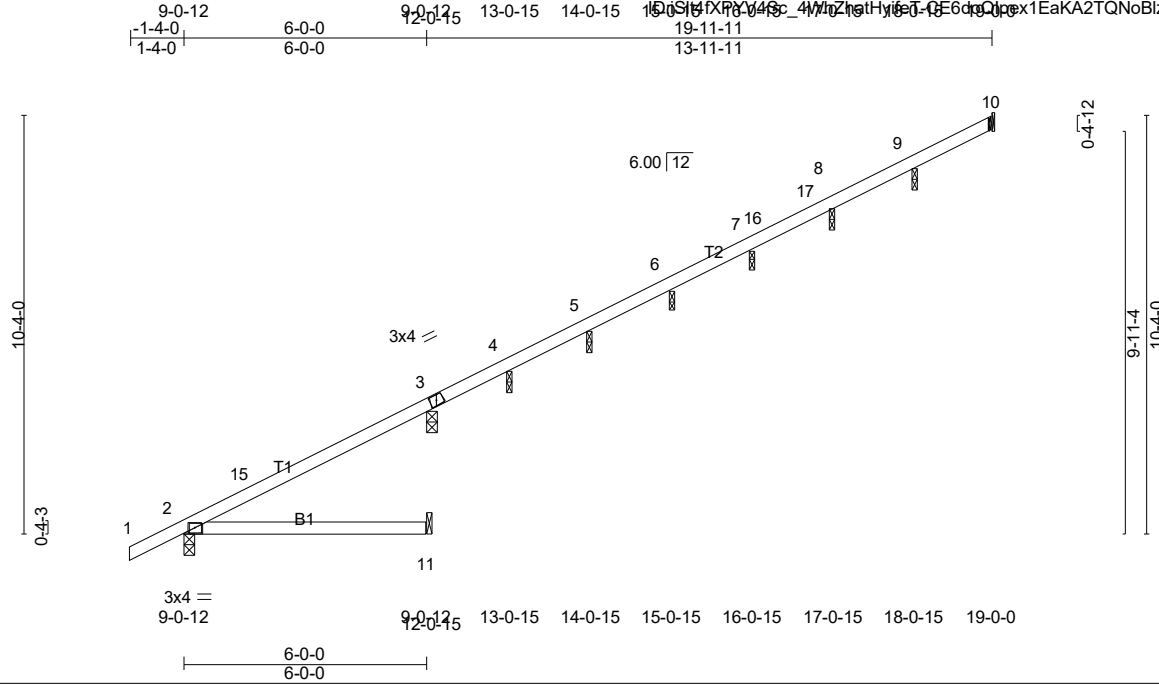
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-14=-331/137, 3-14=-307/187, 3-4=-252/128

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6, 7, 8.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 9, 4, 5, 6, 7, 8.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6, 7, 8.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J10	Jack-Open	2	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:55 2019 Page 1



Scale = 1:57.0

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.29	Vert(LL) -0.04 11-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 11-14 >391 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.01 10 n/a n/a	Weight: 42 lb	FT = 20%
	Code IBC2015/TPI2014		Wind(LL) 0.04 11-14 >999 360		

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G

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

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

**REACTIONS.** All bearings 0-1-8 except (jt=length) 3=0-3-1, 10=Mechanical, 2=0-3-8, 11=Mechanical.  
(lb) - Max Horz 2=272(LC 14)  
Max Uplift All uplift 100 lb or less at joint(s) 3, 10, 4, 5, 6, 7, 8, 9  
Max Grav All reactions 250 lb or less at joint(s) 3, 10, 11, 4, 5, 6, 7, 8, 9 except 2=371(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-15=-367/159, 3-15=-343/209, 3-4=-288/150, 4-5=-255/130

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 19-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6, 7, 8, 9.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 10, 4, 5, 6, 7, 8, 9.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6, 7, 8, 9.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J11	Jack-Open	1	1	Job Reference (optional)

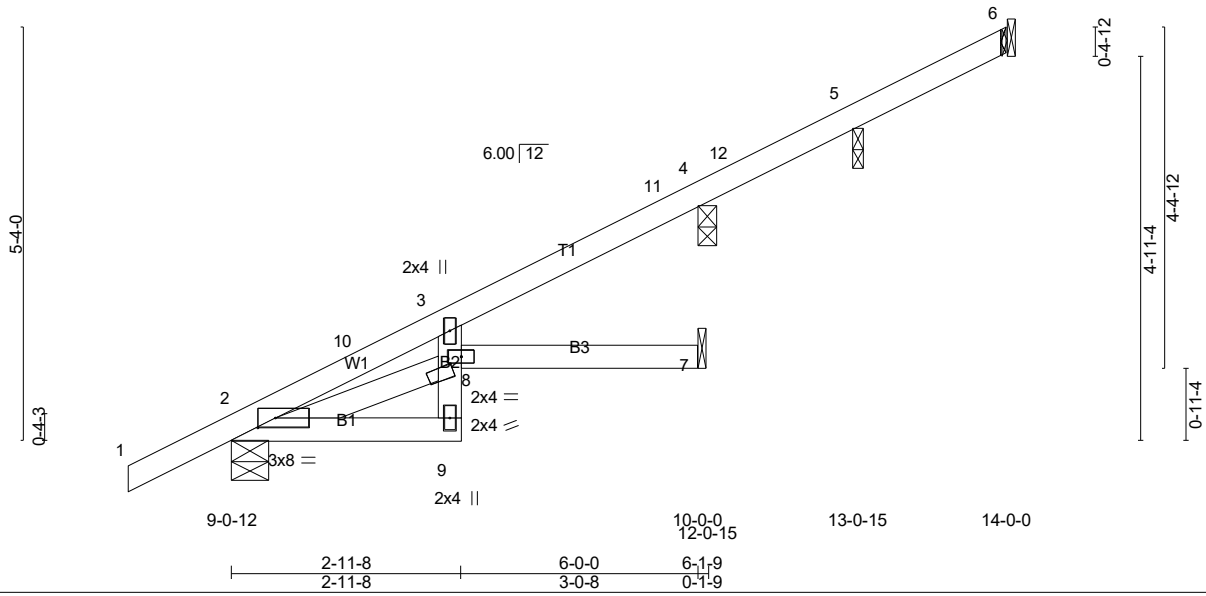
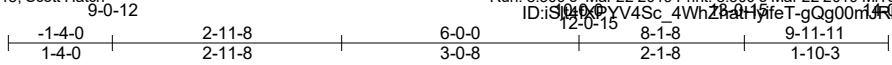


Plate Offsets (X,Y)-- [2:0-2-12,0-1-8], [8:0-1-15,0-0-6]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.50	Vert(LL) -0.11	8	>650	240	MT20	220/195
TCDL 14.0	Rep Stress Incr YES	BC 0.07	Vert(CT) -0.36	9	>193	180		
BCLL 0.0 *	Code IBC2015/TPI2014	WB 0.00	Horz(CT) 0.10	7	n/a	n/a		
BCDL 10.0		Matrix-MP	Wind(LL) 0.09	9	>767	360		
							Weight: 31 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G \*Except\*  
 B2: 2x4 DF Std G  
 WEBS 2x4 DF Std G

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-5-8, 4=0-3-1, 5=0-1-8.  
 (lb) - Max Horz 2=142(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 6, 4, 5  
 Max Grav All reactions 250 lb or less at joint(s) 6, 7, 5 except 2=378(LC 1), 4=292(LC 21)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 9-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4, 5.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 5.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J12	Jack-Open	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch 9-0-12  
 Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:57 2019 Page 1  
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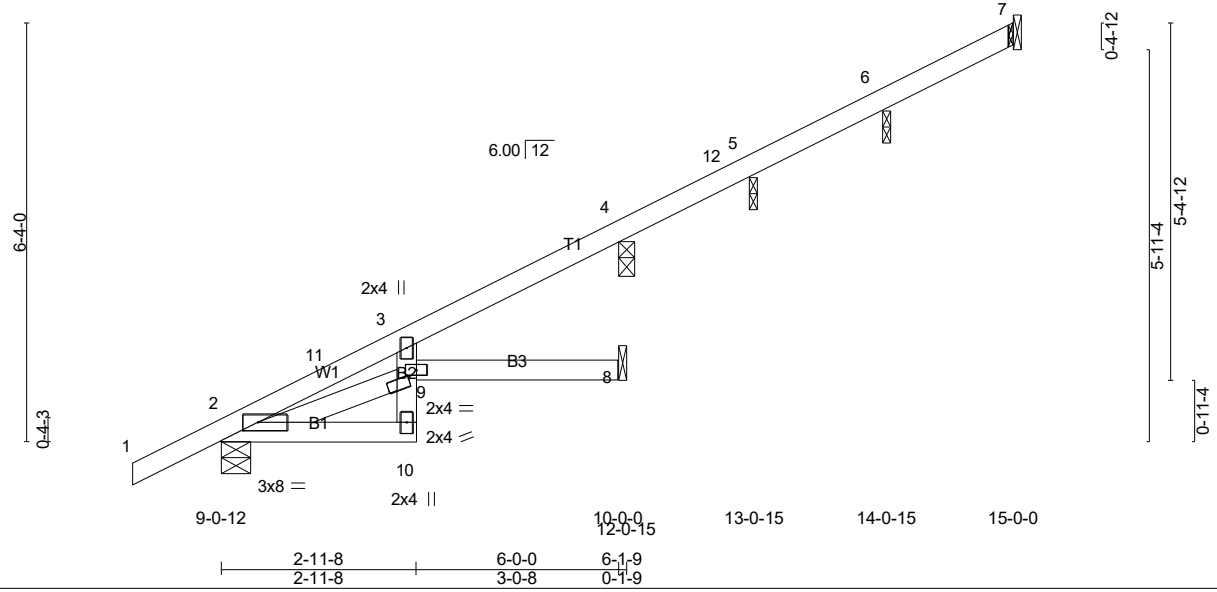


Plate Offsets (X,Y)-- [2:0-2-12,0-1-8], [9:0-1-15,0-0-6]					
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.07	Vert(LL) -0.11 9 >650 240		
TCDL 14.0	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.36 10 >193 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.10 8 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014		Wind(LL) 0.09 10 >767 360	Weight: 34 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 DF No.1&Btr G *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF Std G	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-5-8, 4=0-3-1, 5=0-1-8, 6=0-1-8.  
 (lb) - Max Horz 2=168(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 7, 4, 5, 6  
 Max Grav All reactions 250 lb or less at joint(s) 7, 8, 5, 6 except 2=378(LC 1), 4=278(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TC DL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 6.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4, 5, 6.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 5, 6.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J13	Jack-Open	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:57 2019 Page 1

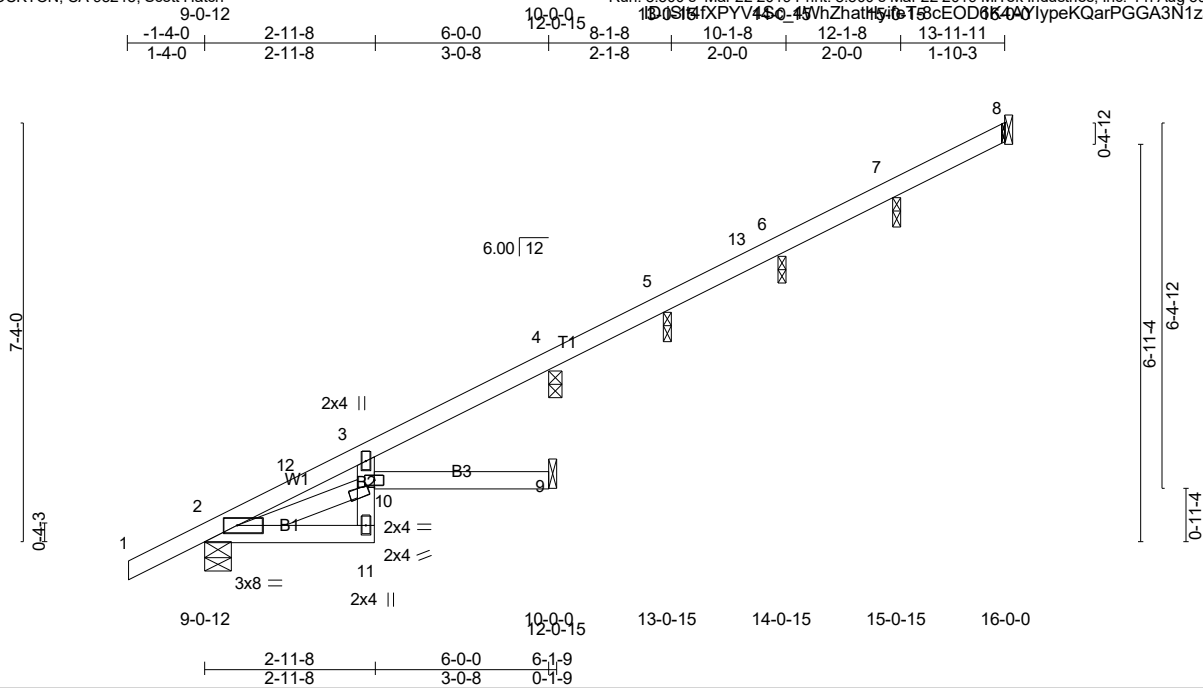


Plate Offsets (X,Y)-- [2:0-2-12,0-1-8], [10:0-1-15,0-0-6]					
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.50 WB 0.07	in (loc) l/defl L/d Vert(LL) -0.11 11 >650 240 Vert(CT) -0.36 11 >193 180 Horz(CT) 0.10 9 n/a n/a Wind(LL) 0.09 11 >766 360	MT20	220/195
TCDL 14.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2015/TPI2014	Matrix-MP		Weight: 37 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 DF No.1&Btr G	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 DF No.1&Btr G *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF Std G	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 0-1-8 except (it=length) 8=Mechanical, 2=0-5-8, 9=Mechanical, 4=0-3-1.  
 (lb) - Max Horz 2=194(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 8, 4, 5, 6, 7  
 Max Grav All reactions 250 lb or less at joint(s) 8, 9, 5, 6, 7 except 2=378(LC 1), 4=278(LC 1)

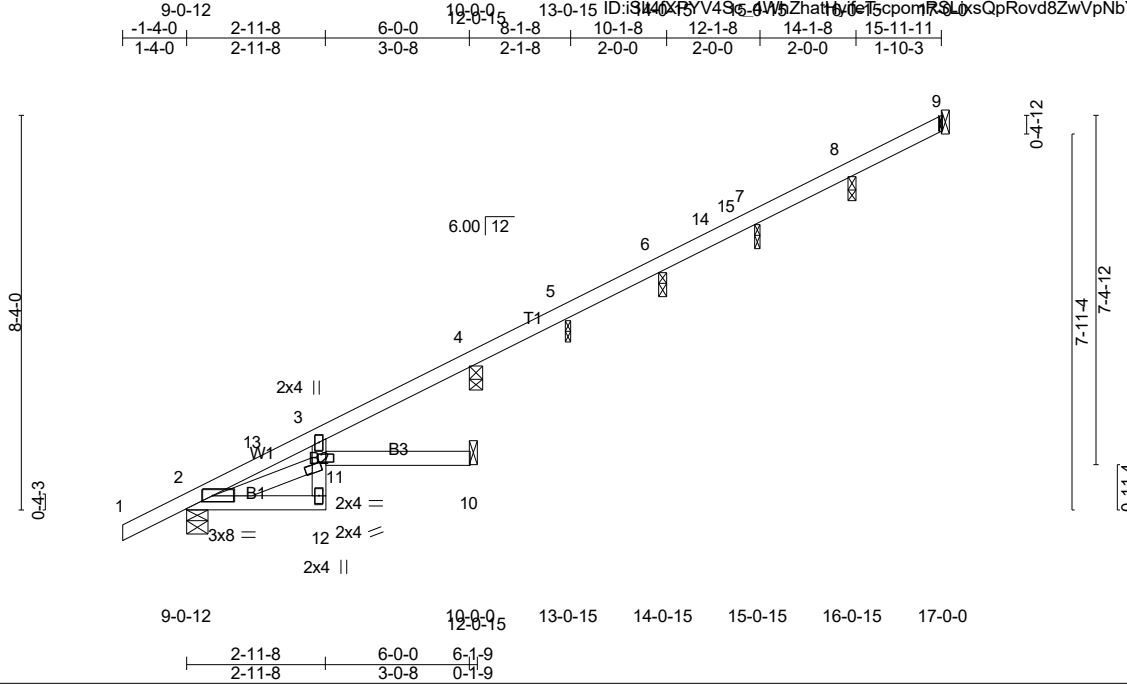
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 6, 7.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4, 5, 6, 7.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 5, 6, 7.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J14	Jack-Open	1	1	Job Reference (optional)

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Scale = 1:48.6

Plate Offsets (X,Y)-- [2:0-2-12,0-1-8], [11:0-1-15,0-0-6]					
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0) TCDL 14.0 BCLL 0.0 * BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.50 BC 0.07 WB 0.01 Matrix-MP	in (loc) l/defl L/d Vert(LL) -0.11 11 >650 240 Vert(CT) -0.36 12 >193 180 Horz(CT) 0.10 10 n/a n/a Wind(LL) 0.09 12 >766 360	MT20 Weight: 40 lb	220/195 FT = 20%

**LUMBER-**  
TOP CHORD 2x4 DF No.1&Btr G  
BOT CHORD 2x4 DF No.1&Btr G \*Except\*  
          B2: 2x4 DF Std G  
WEBS 2x4 DF Std G

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 0-1-8 except (it=length) 9=Mechanical, 2=0-5-8, 10=Mechanical, 4=0-3-1.  
(lb) - Max Horz 2=220(LC 14)  
Max Uplift All uplift 100 lb or less at joint(s) 9, 4, 5, 6, 7, 8  
Max Grav All reactions 250 lb or less at joint(s) 9, 10, 5, 6, 7, 8 except 2=378(LC 1), 4=278(LC 1)

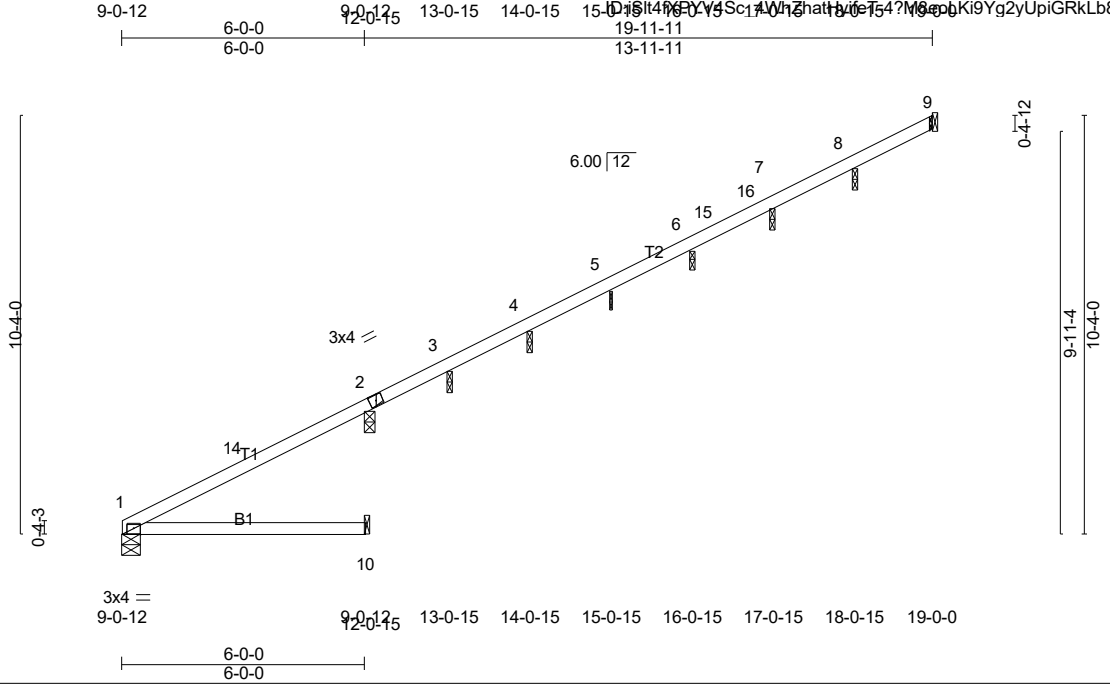
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-13=-280/104, 3-13=-263/117, 3-4=-277/184

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 15-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 6, 7, 8.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 4, 5, 6, 7, 8.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 5, 6, 7, 8.
  - 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 13) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J15	Jack-Open	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:59 2019 Page 1



Scale = 1:56.8

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.05	10-13	>999	240	MT20	220/195	
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.20	10-13	>356	180			
TCDL	14.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	9	n/a	n/a			
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MP		Wind(LL)	0.05	10-13	>999	360			
BCDL	10.0										Weight: 39 lb	FT = 20%	

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G

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

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

**REACTIONS.** All bearings 0-1-8 except (it=length) 2=0-3-1, 9=Mechanical, 1=0-5-8, 10=Mechanical.  
 (lb) - Max Horz 1=259(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 9, 3, 4, 5, 6, 7, 8  
 Max Grav All reactions 250 lb or less at joint(s) 2, 9, 10, 3, 4, 5, 6, 7, 8 except 1=271(LC 1)

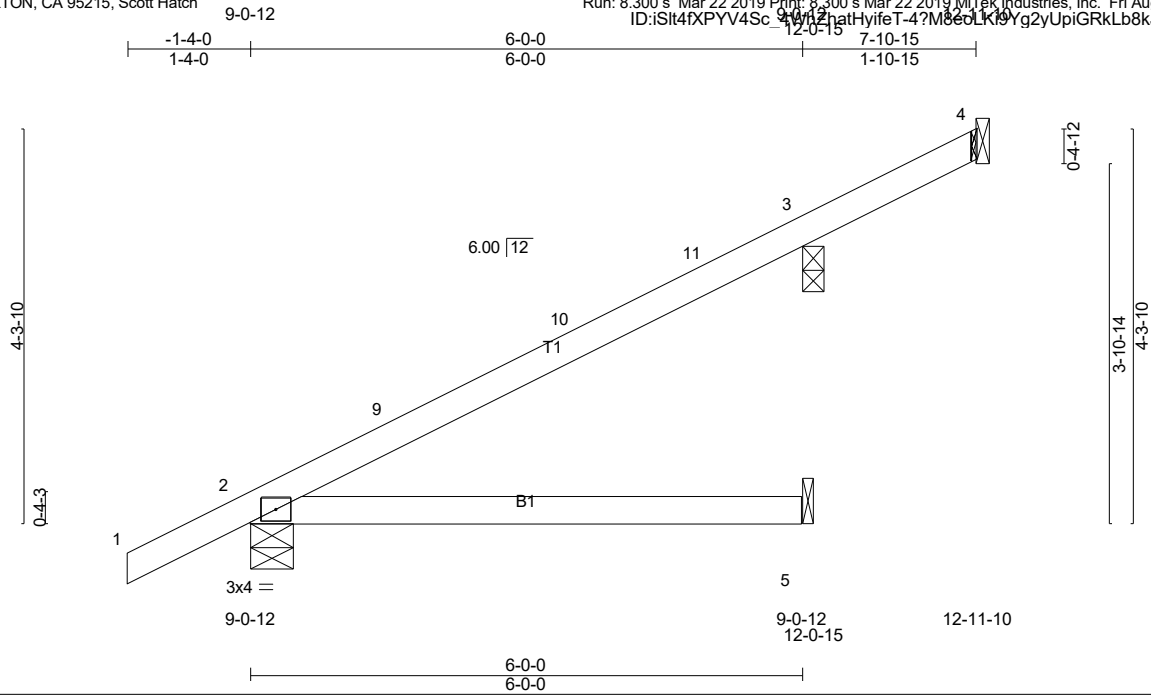
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-14=-367/176, 2-14=-343/209, 2-3=-288/150, 3-4=-255/130

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-10-15 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 6) A plate rating reduction of 20% has been applied for the green lumber members.
  - 7) Refer to girder(s) for truss to truss connections.
  - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5, 6, 7, 8.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9, 3, 4, 5, 6, 7, 8.
  - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 6, 7, 8.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 12) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Stuesser Residence
J19-248	J16	Jack-Open	1	1	Job Reference (optional)

STOCKTON TRUSS, STOCKTON, CA 95215, Scott Hatch  
 Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Fri Aug 30 13:37:59 2019 Page 1  
 ID: iSIt4XPYV4Sc 4W12ZnathHyifeT-4?M&edLK9y2yUpiGRkLb8kJnDZpu6XvHm\_1LycnM



Scale = 1:25.1

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	220/195
TCDL 14.0	Plate Grip DOL 1.15	BC 0.28	Vert(LL) -0.04 5-8 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.18 5-8 >403 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 2 n/a n/a		
	Code IBC2015/TPI2014		Wind(LL) 0.04 5-8 >999 360	Weight: 23 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 DF No.1&Btr G  
 BOT CHORD 2x4 DF No.1&Btr G

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

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

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-5-8, 3=0-3-1.  
 (lb) - Max Horz 2=116(LC 14)  
 Max Uplift All uplift 100 lb or less at joint(s) 4, 3  
 Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=369(LC 21), 3=270(LC 21)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=8.4psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-10-3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.00
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 20.0 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) A plate rating reduction of 20% has been applied for the green lumber members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3.
  - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
  - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 12) This truss is designed for a creep factor of 3.01, which is used to calculate the Vert(CT) deflection per ANSI/TPI 1.

**LOAD CASE(S)** Standard