OFFICE COPY

PROJECT #

PLANCHECK 1

PROJECT #

BETTER BUILT TRUSS

Re: "Second & P St."

The truss drawing(s) referenced below have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Better Built Truss - Ripon, CA.

Pages or sheets covered by this seal: **"Second & P St."**

My license renewal date for the state of California is June 30, 2019

REVIEWED
CITY OF LIVERMORE
BUILDING DIVISION

DEC 18 2018

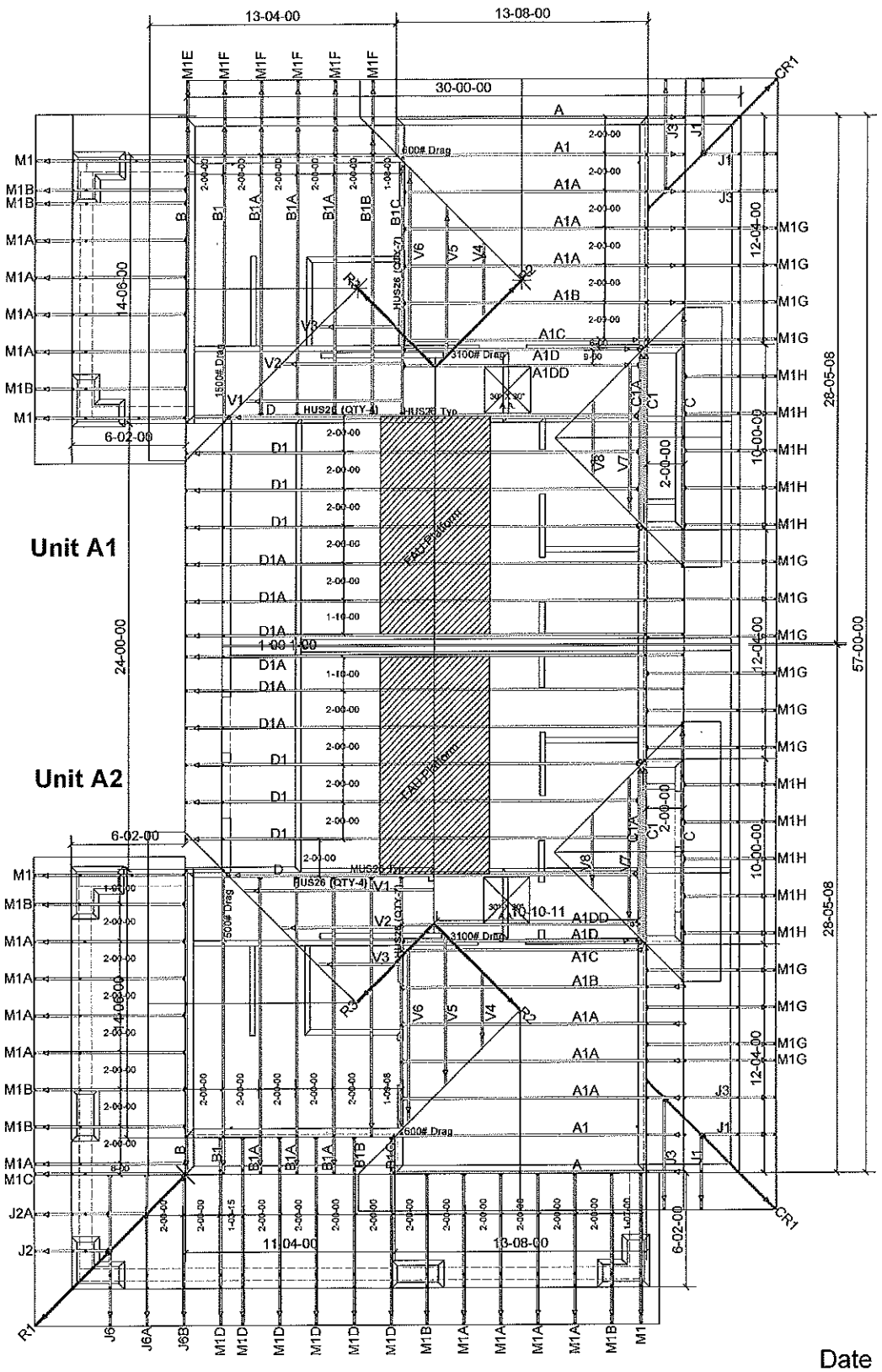
BY: BLAKE WARMERDAM

November 27, 2018

Sergio Carrera

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-2002 Chapter 2.

251 E Fourth Street P.O. Box 1319 Ripon, CA 95366 209.869.4545 phone 209.599.3255 fax



Loading:
Roof Slope: 6/12
TCLL: 20 psf
TCLD: 14 psf
BCLL: 0 psf
BCLD: 7 psf
Spacing: 24" o.c.

Date : 11-16-2018

BETTER BUILT TRUSS
251 E. Fourth St. Ripon, CA 95366
Phone #: (209) 869-4545
Fax #: (209) 599-3255

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO ENSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Approved By: Date:

Roof Truss
Units A1 &A2

PROJECT LOCATION:
Livermore, CA

PROJECT:
2nd & P St.

BBT Designer: Felix Almanza
Email: falmanza@betterbuilttruss.com
Sales Rep: Dave Escobar

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	A	COMMON SUPPORTED GAB	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774 Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:37 2018 Page 1
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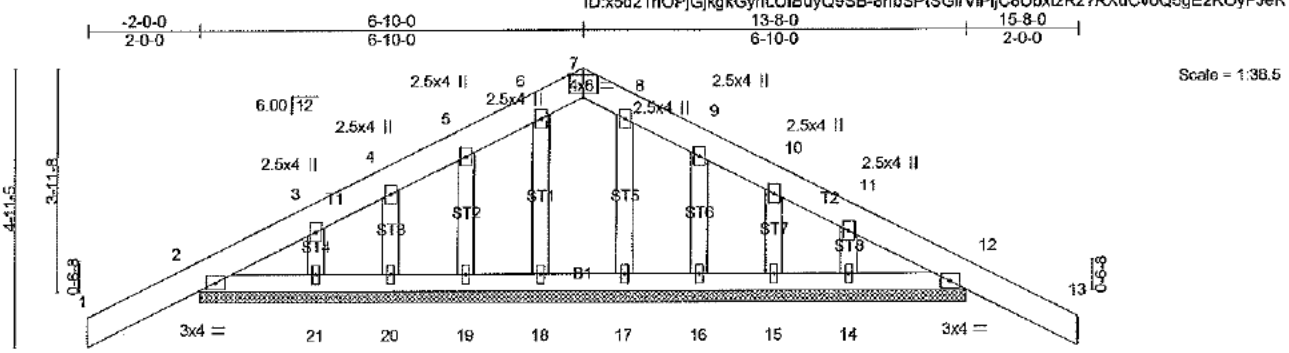

13-8-0
13-8-0

Plate Offsets (X,Y)-- [7:0-3-0,Edge], [8:0-0-0,0-0-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.01	13	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.02	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	12	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 83 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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 13-8-0.
(lb) - Max Horz 2=46(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 18, 19, 20, 21, 17, 16, 15, 14 except 2=297(LC 1), 12=297(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) 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, 12, 19, 20, 21, 16, 15, 14.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	A1	COMMON	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:37 2018 Page 1
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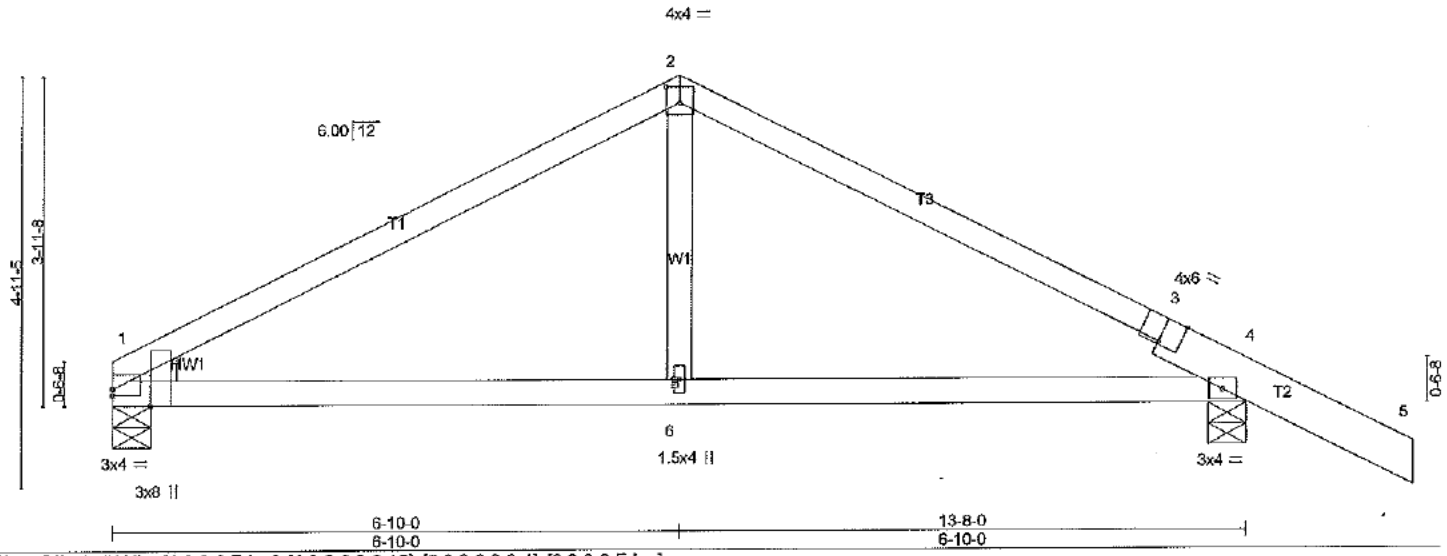
6-10-0 | 13-8-0 | 15-8-0
6-10-0 | 6-10-0 | 2-0-0

Scale = 1:26.0



6-10-0 | 13-8-0
6-10-0 | 6-10-0

Plate Offsets (X,Y)-- [1:0-2-8,Edge], [1:0-0-0,0-0-15], [2:0-2-0,0-2-4], [3:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.04	1-6	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.14	1-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.02	4	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 52 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
WEDGE
Left: 2x4 DF Std -G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 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) 4=706/0-5-8 (min. 0-1-8), 1=529/0-5-8 (min. 0-1-8)
Max Horz 1=-53(LC 28)
Max Uplift4=-204(LC 28), 1=-183(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-712/343, 2-3=-687/279, 3-4=-718/284
BOT CHORD 1-6=-283/579, 4-6=-221/575
WEBS 2-6=0/268

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=204, 1=183.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a total drag load of 600 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 13-8-0 for 43.9 plf.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	A1A	COMMON	6	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:38 2018 Page 1
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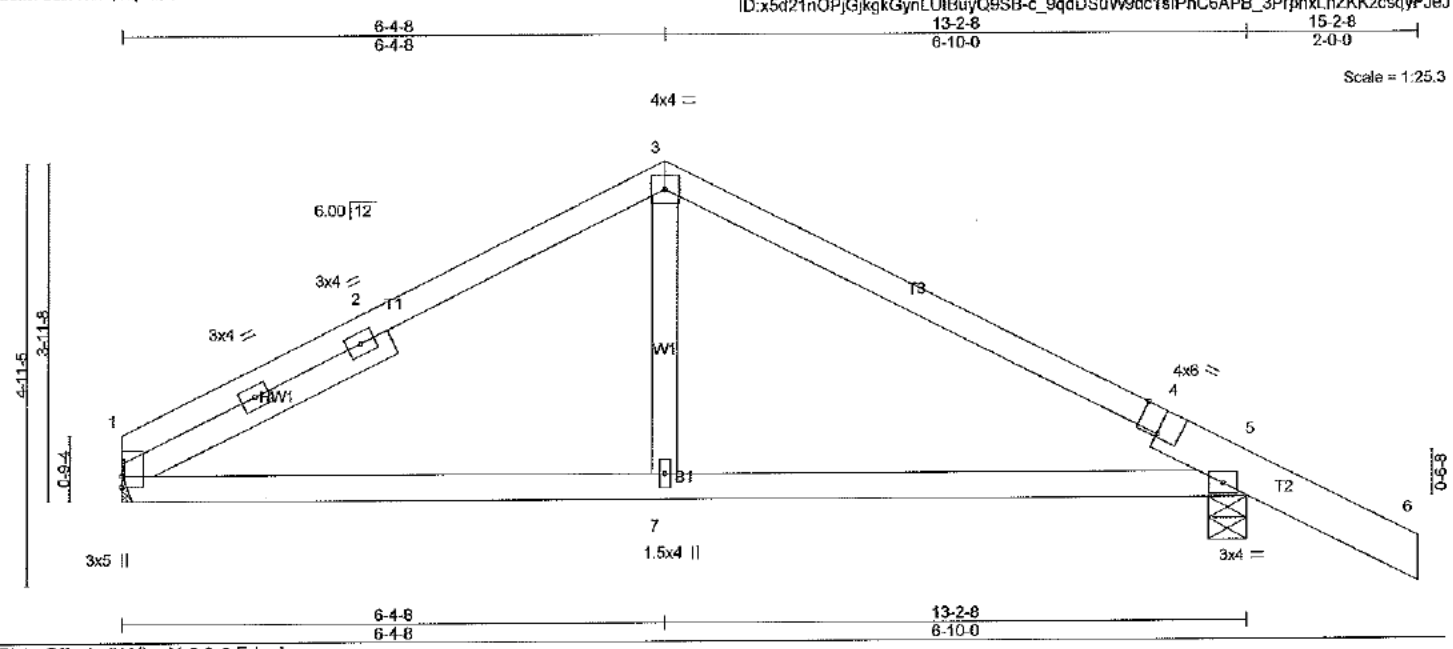

Plate Offsets (X,Y)-- [4:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.04	5-7	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.09	5-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	5	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 54 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T2: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
SLIDER Left 2x4 DF Std -G 3-6-8

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) 1=519/Mechanical, 5=697/0-5-8 (min. 0-1-8)
Max Horz 1=-53(LC 9)
Max Uplift1=-15(LC 8), 5=-38(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-669/13, 2-3=-565/34, 3-4=-658/37, 4-5=-718/9
BOT CHORD 1-7=0/505, 5-7=0/505
WEBS 3-7=0/255

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 capable of withstanding 100 lb uplift at joint(s) 1, 5.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	A1B	Roof Special	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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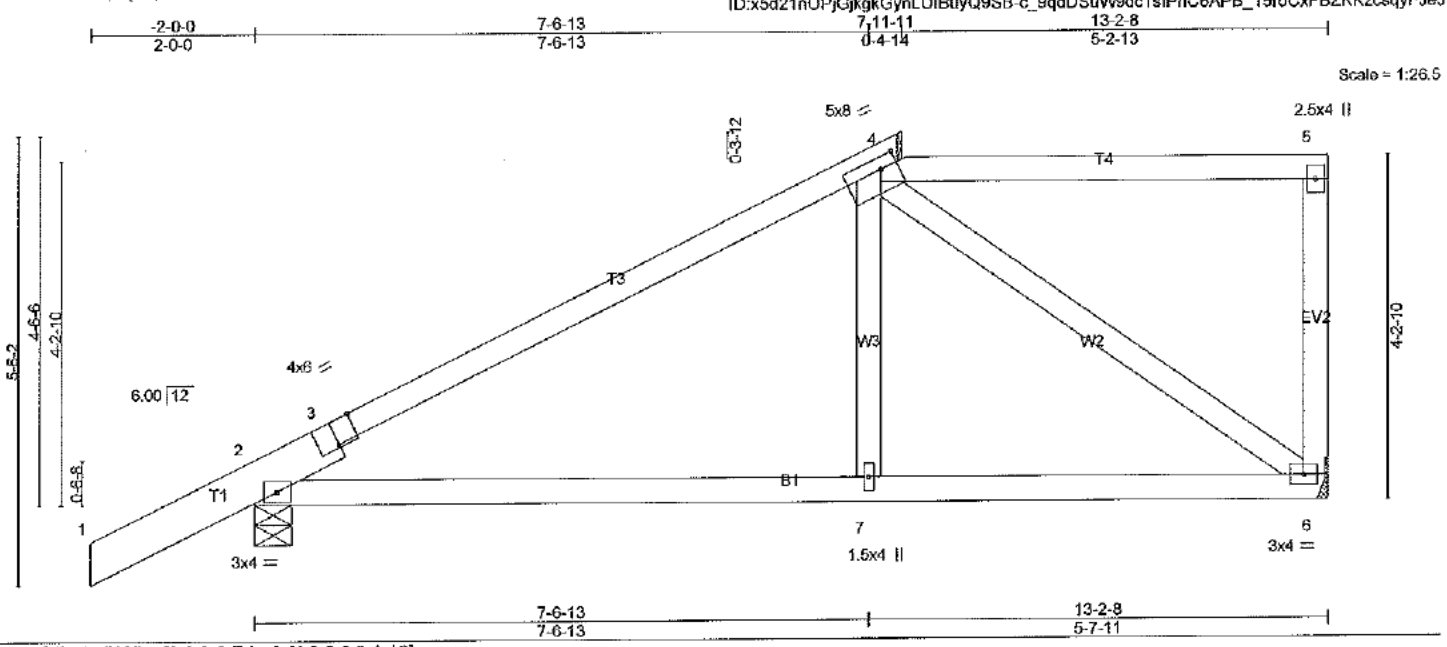

Plate Offsets (X,Y)-- [3:0-3-0,Edge], [4:0-2-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.06	2-7	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.17	2-7	>904	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.01	6	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 63 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except* T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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. (lb/size) 6=540/Mechanical, 2=710/0-5-8 (min. 0-1-8)
Max Horz 2=120(LC 8)
Max Uplift6=-57(LC 5), 2=-53(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-721/30, 3-4=-552/49
BOT CHORD 2-7=-71/499, 6-7=-73/494
WEBS 4-6=-591/93, 4-7=0/258

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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 capable of withstanding 100 lb uplift at joint(s) 6, 2.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 93 lb down and 93 lb up at 7-8-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-68, 2-6=-14, 4-5=-68
Concentrated Loads (lb)
Vert: 4=-47

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	A1C	California	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:39 2018 Page 1
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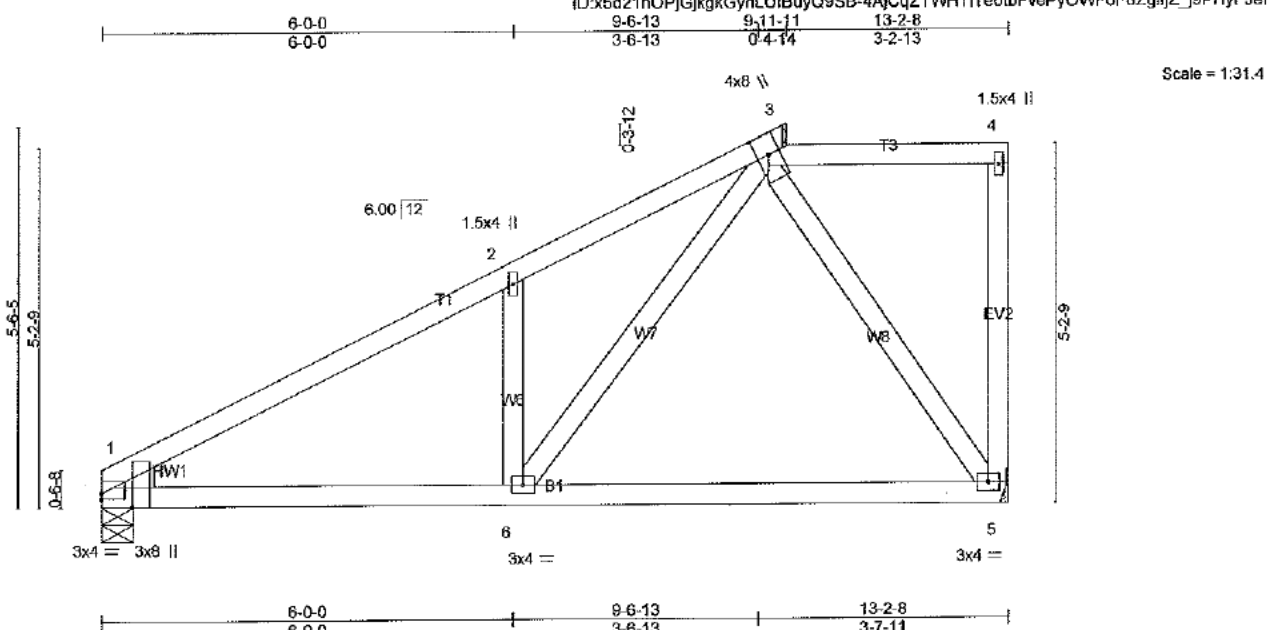

Plate Offsets (X,Y)-- [1:0-0-0,0-1-0], [1:0-2-8,Edge], [3:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.06	5-6	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.15	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	5	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 66 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
WEDGE
Left: 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. (lb/size) 5=556/Mechanical, 1=526/0-5-8 (min. 0-1-8)
Max Horz 1=130(LC 8)
Max Uplift5=-51(LC 8), 1=-8(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-769/5, 2-3=-744/83
BOT CHORD 1-6=-80/597
WEBS 2-6=-360/124, 3-6=-79/597, 3-5=-445/68

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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 capable of withstanding 100 lb uplift at joint(s) 5, 1.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb down and 37 lb up at 9-9-15, and 49 lb down and 24 lb up at 13-0-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-68, 1-5=-14, 3-4=-68
Concentrated Loads (lb)
Vert: 4=-30

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	A1D	CALIFORNIA	2	1	3100# Drag Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:40 2018 Page 1
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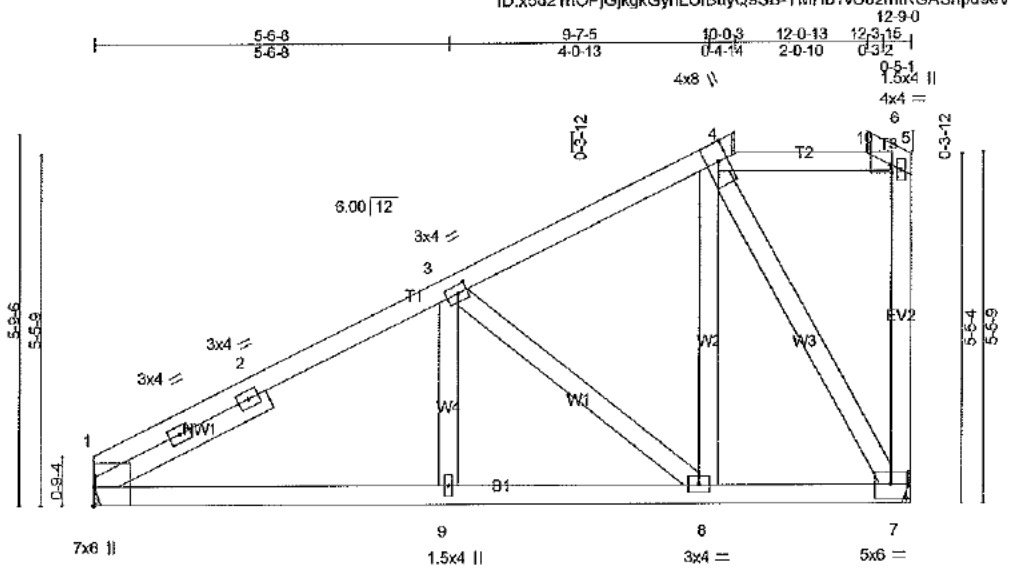

	5-6-8	9-7-5	12-9-0
	5-6-8	4-0-13	3-1-11

Plate Offsets (X,Y)-- [3:0-1-12,0-1-8], [4:0-3-8,0-1-12], [5:0-0-6,0-1-9], [7:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	0.05	9	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.07	1-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	7	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 75 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x4 DF No.1 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
SLIDER Left 2x4 DF Std -G 3-0-15

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-9-8 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=518/Mechanical, 7=538/Mechanical
Max Horz 1=135(LC 26)
Max Uplift 1=-1632(LC 25), 7=-421(LC 26)
Max Grav 1=1892(LC 22), 7=635(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3433/3051, 2-3=-2620/2296, 3-4=-1787/1647, 4-10=-694/690
BOT CHORD 1-9=-2625/2905, 8-9=-1364/1459, 7-8=-501/663
WEBS 3-8=-547/400, 4-8=-197/364, 4-7=-618/437

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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 capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1632, 7=421.
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 has been designed for a total drag load of 3100 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 12-9-0 for 243.1 plf.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 27 lb down and 23 lb up at 9-9-1, and 29 lb down and 25 lb up at 12-0-15 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-68, 4-5=-68, 5-6=-68, 1-7=-14
Concentrated Loads (lb)
Vert: 4=-1 10=-22

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	A1DD	California	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:40 2018 Page 1
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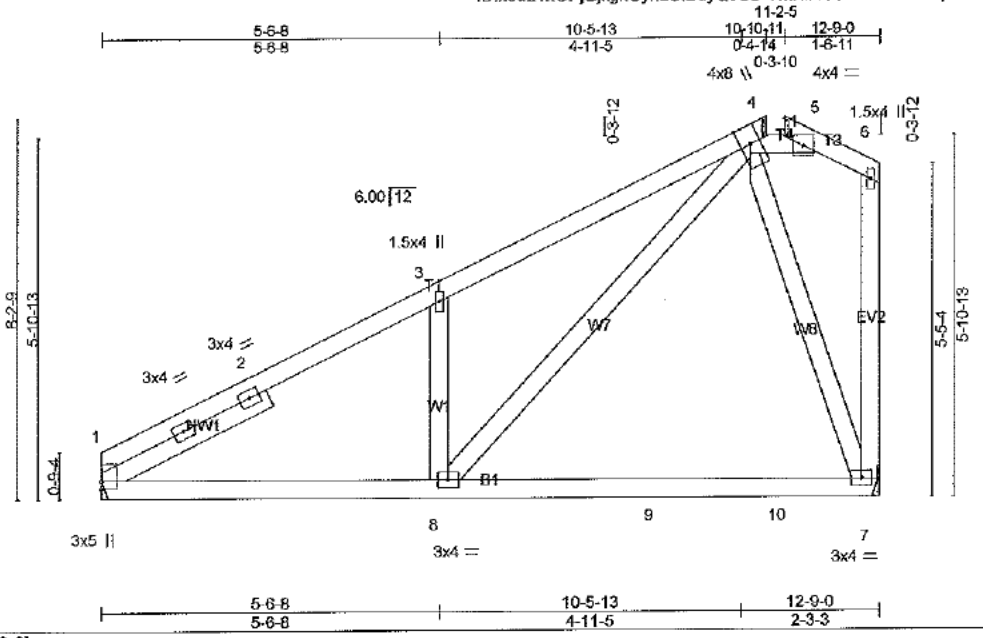

Plate Offsets (X,Y)-- [4:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.06	7-8	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.16	7-8	>959	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.01	7	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 72 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
SLIDER Left 2x4 DF Std -G 3-0-15

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. (lb/size) 1=517/Mechanical, 7=519/Mechanical
Max Horz 1=141(LC 8)
Max Uplift1=-5(LC 8), 7=-59(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-721/0, 2-3=-573/5, 3-4=-717/92
BOT CHORD 1-8=-69/564
WEBS 3-8=-364/132, 4-8=-97/628, 4-7=-467/94

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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 capable of withstanding 100 lb uplift at joint(s) 1, 7.
9) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 17 lb down and 17 lb up at 10-8-15, and 17 lb down and 16 lb up at 11-2-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-68, 5-6=-68, 1-7=-14, 4-5=-68
Concentrated Loads (lb)
Vert: 4=-1 11=-1

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	B	COMMON SUPPORTED GAB	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:41 2018 Page 1
ID:x5d21nOPjGjkgkGynLUlBuyQ9SB-0ZrzFFVmp4?BuJ1_NKgt1pcf?2us8jl?0lCGT9yFJeG

-2-0-0 2-0-0 | 7-3-0 7-3-0 | 14-6-0 7-3-0 | 16-6-0 2-0-0

Scale = 1:29.8

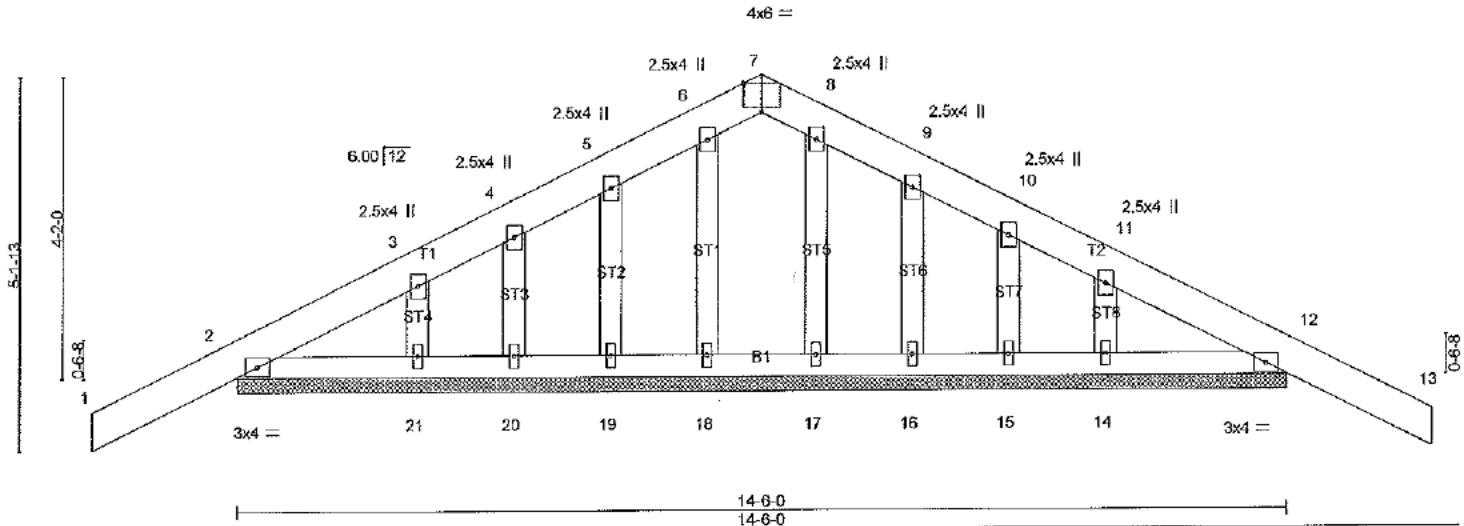

Plate Offsets (X,Y)-- [7:0-3-0,Edge], [6:0-0-0,0-0-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.01	13	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.02	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	12	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 89 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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 14-6-0.
(lb) - Max Horz 2=48(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 18, 19, 20, 21, 17, 16, 15, 14 except 2=298(LC 1), 12=298(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) 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, 12, 19, 20, 21, 16, 15, 14.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12.
12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	B1	COMMON	2	1	1500# Drag Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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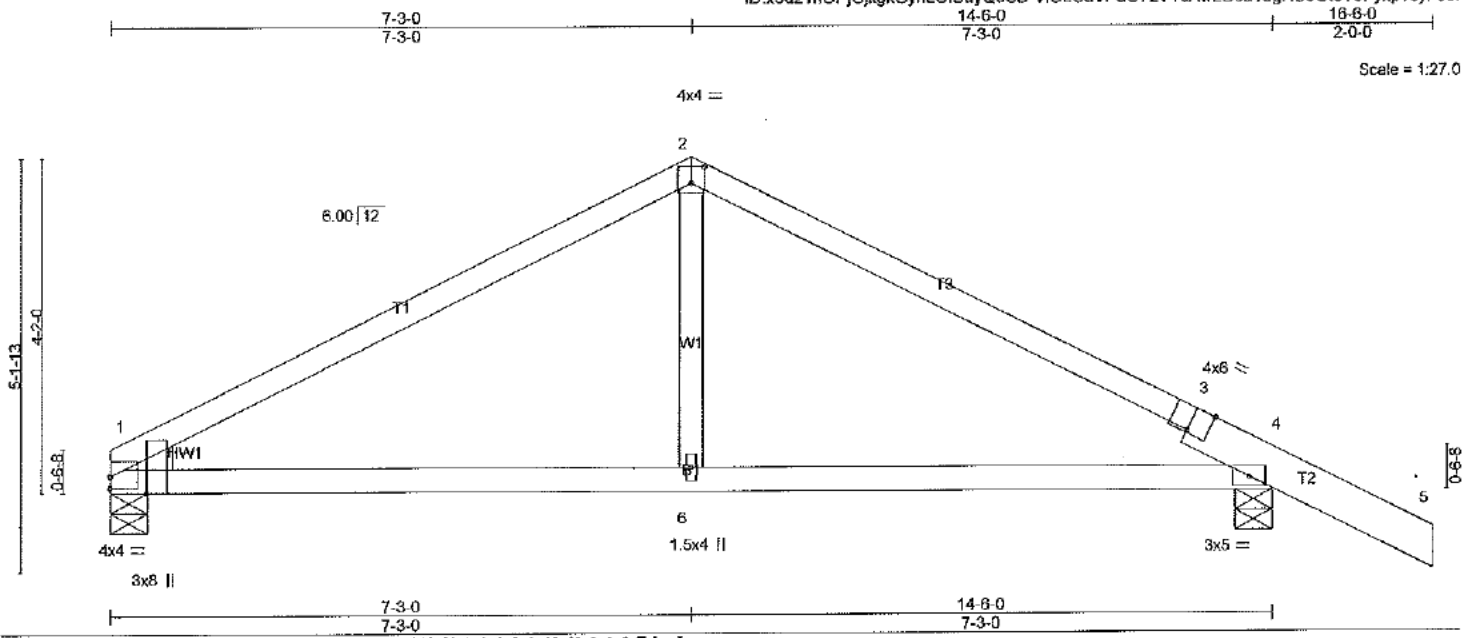

Plate Offsets (X,Y)-- [1:0-2-8,Edge], [1:0-0-0,0-1-11], [2:0-2-0,0-2-8], [3:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.06	1-6	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.18	1-6	>944	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.02	4	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 54 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except* T2: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
WEDGE
Left: 2x4 DF Std -G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-1 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) 4=739/0-5-8 (min. 0-1-8), 1=564/0-5-8 (min. 0-1-8)
Max Horz 1=-55(LC 32)
Max Uplift4=-453(LC 28), 1=-431(LC 25)
Max Grav4=776(LC 33), 1=704(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1259/865, 2-3=-1066/697, 3-4=-1074/698
BOT CHORD 1-6=-741/1015, 4-6=-590/1009
WEBS 2-6=0/286

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=453, 1=431.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a total drag load of 1500 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 14-6-0 for 103.4 plf.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	B1A	COMMON	6	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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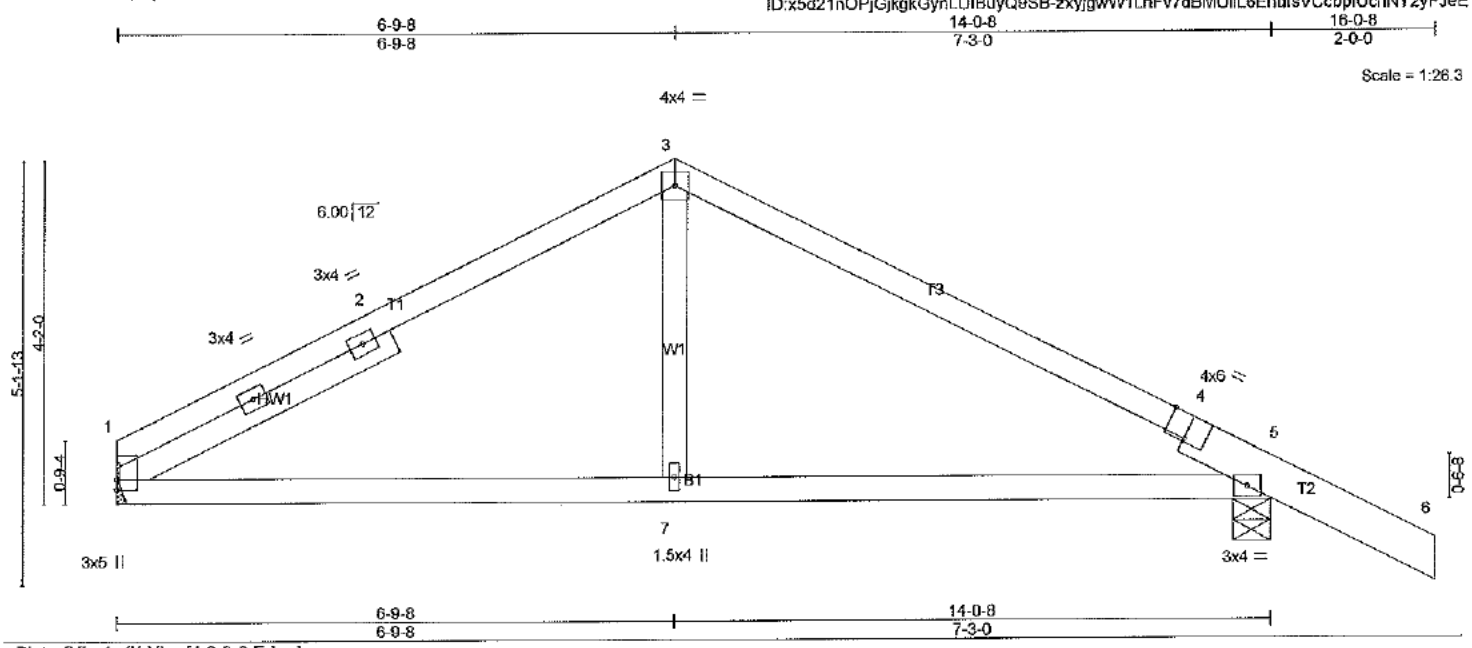

Plate Offsets (X,Y)-- [4:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.04	5-7	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.11	5-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.02	5	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 57 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except* T2: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
SLIDER Left 2x4 DF Std -G 3-9-5

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) 1=554/Mechanical, 5=730/0-5-8 (min. 0-1-8)
Max Horz 1=-55(LC 9)
Max Uplift1=-16(LC 8), 5=-39(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-719/14, 2-3=-610/36, 3-4=-709/39, 4-5=-771/9
BOT CHORD 1-7=0/546, 5-7=0/546
WEBS 3-7=0/273

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 capable of withstanding 100 lb uplift at joint(s) 1, 5.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	B1B	ROOF SPECIAL	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:43 2018 Page 1
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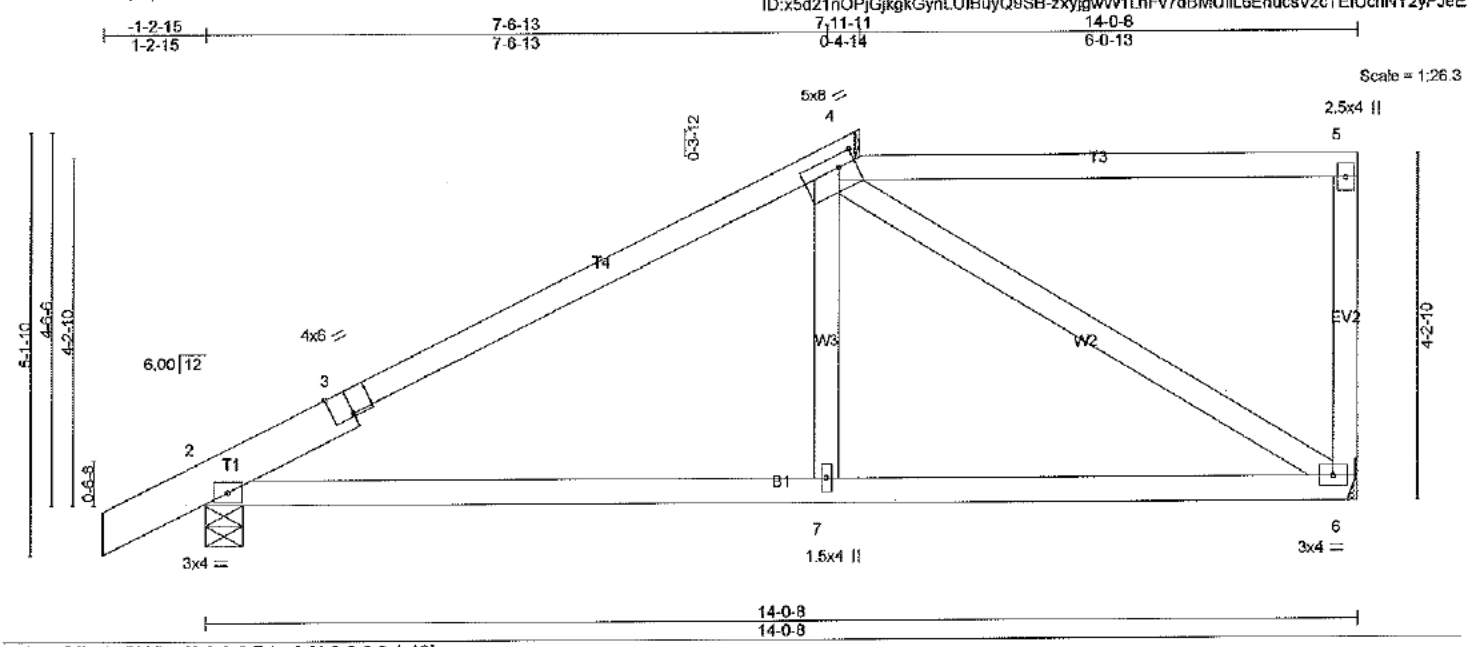

Plate Offsets (X,Y)-- [3:0-3-0,Edge], [4:0-2-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.06	2-7	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.17	2-7	>965	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.02	6	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 65 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except* T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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. (lb/size) 6=566/Mechanical, 2=675/0-5-8 (min. 0-1-8)
Max Horz 2=112(LC 8)
Max Uplift 6=-47(LC 5), 2=-36(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-776/8, 3-4=-623/32
BOT CHORD 2-7=-56/584, 6-7=-58/559
WEBS 4-6=-631/72, 4-7=0/274

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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 capable of withstanding 100 lb uplift at joint(s) 6, 2.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 46 lb down and 51 lb up at 7-8-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-68, 2-6=-14, 4-5=-68
Concentrated Loads (lb)
Vert: 4=-21

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	B1C	Roof Special Girder	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 20 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:44 2018 Page 1
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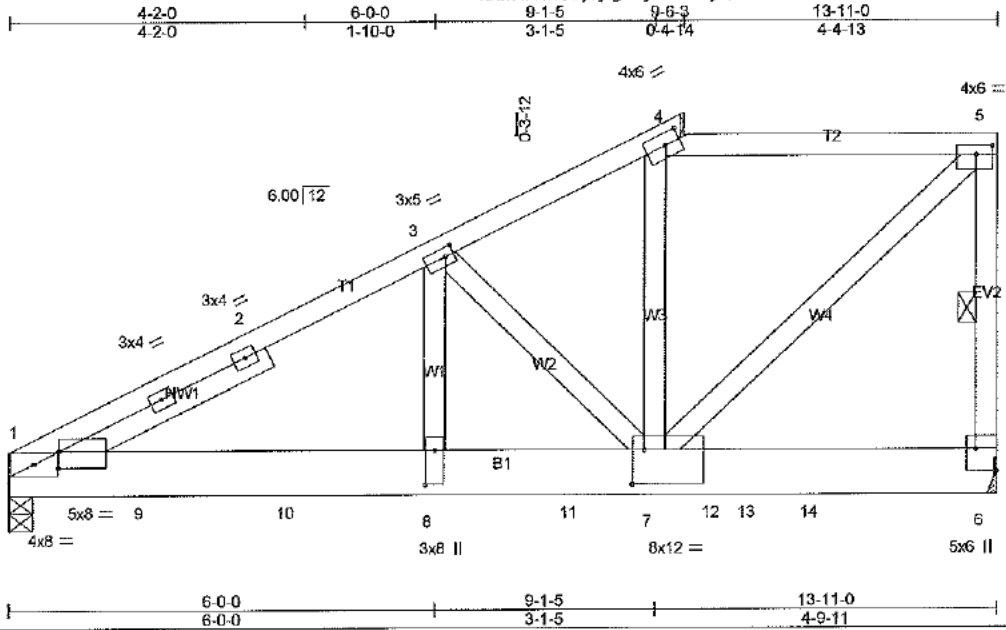


Plate Offsets (X,Y)-- [1:0-0-0,0-2-12], [3:0-1-8,0-1-8], [4:0-2-8,0-2-0], [5:0-2-12,0-1-8], [6:Edge,0-3-9], [7:0-1-15,0-5-12], [8:0-5-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.07	1-8	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.21	1-8	>783	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.03	6	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 95 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x8 DF No.2 G
WEBS 2x4 DF Std G *Except*
W4: 2x4 DF No.2 G
SLIDER Left 2x4 DF Std -G 3-3-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-6

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

REACTIONS. (lb/size) 1=2633/0-4-0 (min. 0-2-13), 6=2629/Mechanical
Max Horz 1=119(LC 32)
Max Uplift1=-275(LC 8), 6=-532(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3795/447, 2-3=-3683/467, 3-4=-2396/457, 4-5=-2123/421, 5-6=-2217/427
BOT CHORD 1-9=-475/3294, 9-10=-475/3294, 8-10=-475/3294, 8-11=-475/3294, 7-11=-475/3294
WEBS 3-8=-4/1610, 3-7=-1629/70, 4-7=-180/698, 5-7=-584/2941

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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 capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=275, 6=532.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 25 lb down and 21 lb up at 9-3-1 on top chord, and 683 lb down and 52 lb up at 1-11-4, 683 lb down and 52 lb up at 3-11-4, 683 lb down and 52 lb up at 5-11-4, 526 lb down and 71 lb up at 7-11-4, 542 lb down and 65 lb up at 9-11-4, and 729 lb down and 435 lb up at 10-5-4, and 505 lb down and 73 lb up at 11-3-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-68, 4-5=-68, 1-6=-14
Concentrated Loads (lb)
Vert: 8=-683(F) 9=-683(F) 10=-683(F) 11=-526(F) 12=-542(F) 13=-524(F) 14=-505(F)

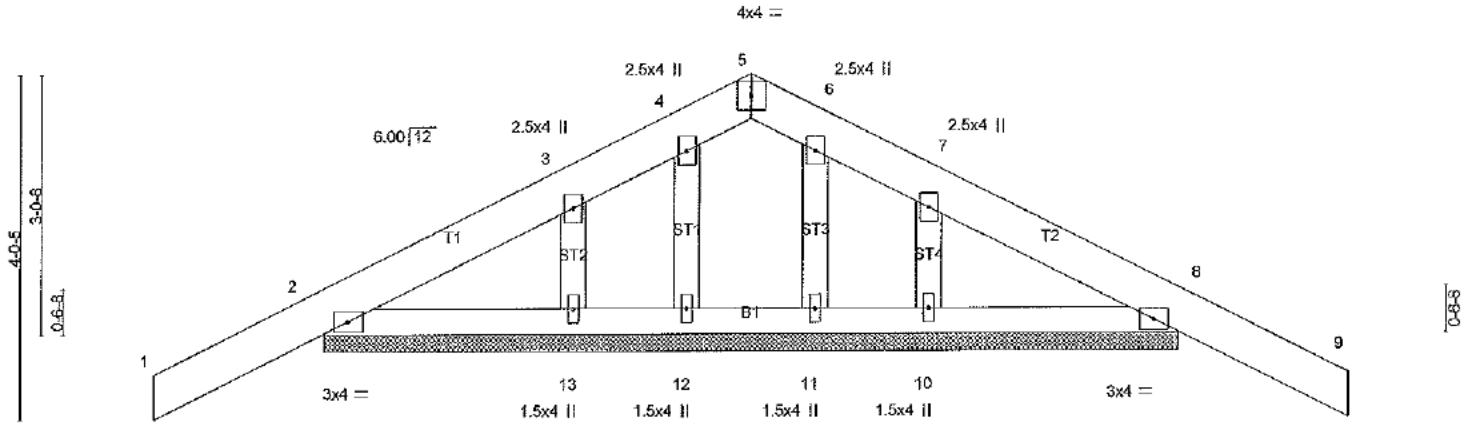
[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	C	COMMON SUPPORTED GAB	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774 Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:45 2018 Page 1
ID:x5d21nOPjGjkgkGynLUlBuyQ9SB-vK4U5cYHtJVcMxIKlcAlpCfmL_fGi3WpbxwATcxyFJeC

-2-0-0 2-0-0 | 5-0-0 5-0-0 | 10-0-0 5-0-0 | 12-0-0 2-0-0

Scale = 1:25.3



10-0-0
10-0-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.01	9	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.02	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	8	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 58 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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 10-0-0.
(lb) - Max Horz 2=-36(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 10
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 11, 10 except 2=303(LC 1), 8=303(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 1-4-0 oc.
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, 8, 13, 10.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	C1	COMMON	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95386-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:45 2018 Page 1
ID:x5d21nOPjGjkgkGynLUlBuyQ9SB-vK4U5cYHtJVcMxKlcAlpCfmlGfD73VlbxwATcxyF-JeC

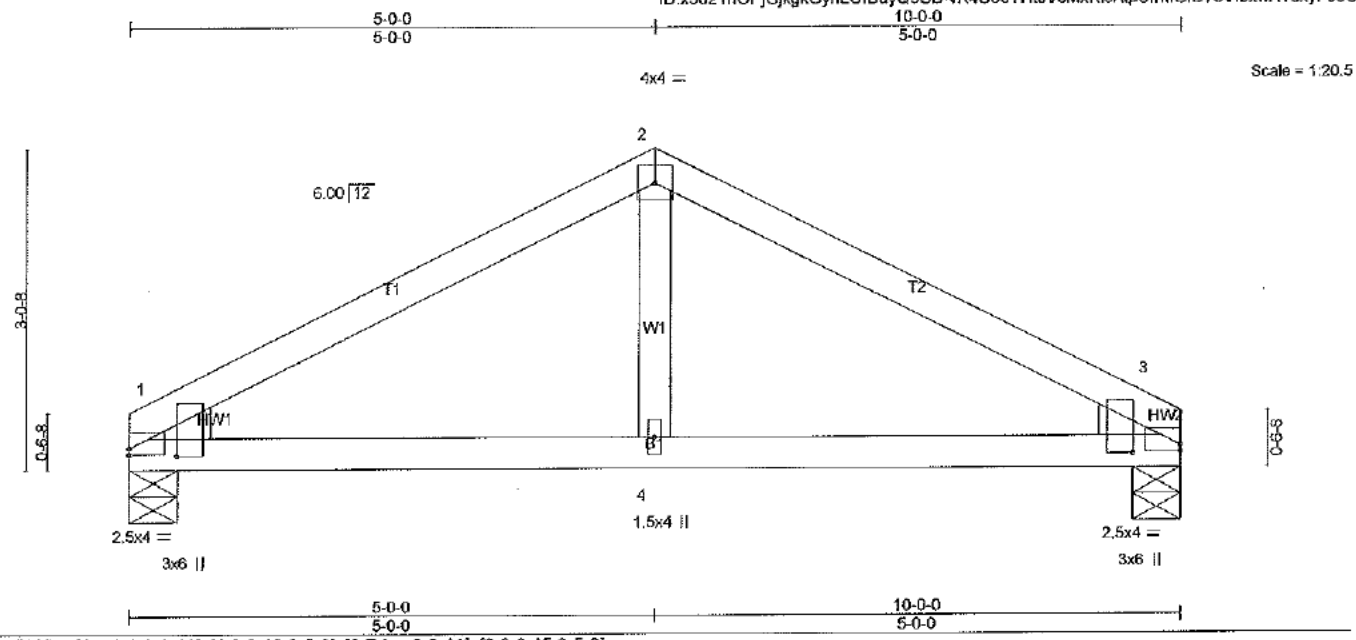


Plate Offsets (X,Y)-- [1:0-0-0,0-0-11], [1:0-0-15,0-5-6], [3:Edge,0-0-11], [3:0-0-15,0-5-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.01	3-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.04	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 35 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
WEDGE
Left: 2x4 DF Std -G, Right: 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) 1=391/0-5-8 (min. 0-1-8), 3=391/0-5-8 (min. 0-1-8)
Max Horz 1=-28(LC 6)
Max Uplift1=-12(LC 8), 3=-12(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-531/27, 2-3=-531/27
BOT CHORD 1-4=0/397, 3-4=0/397

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	C1A	COMMON GIRDER	2	2	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:46 2018 Page 1
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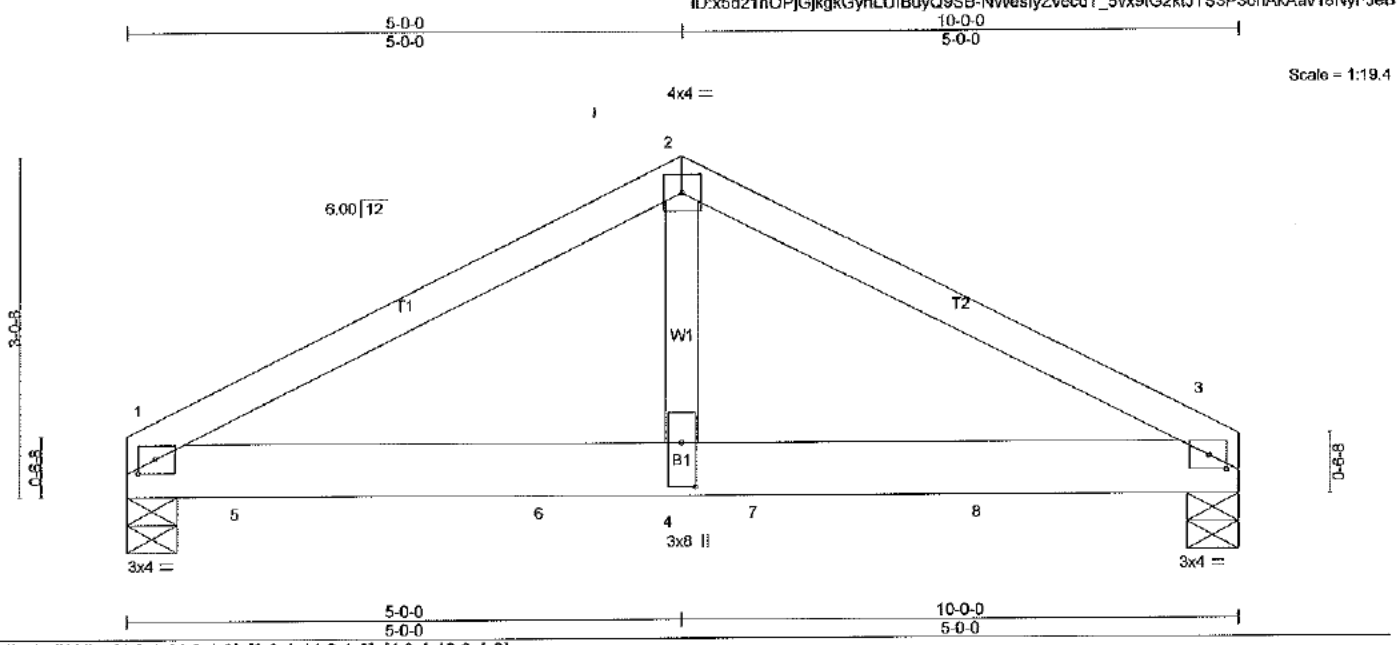

Plate Offsets (X,Y)-- [1:0-1-14,0-1-8], [3:0-1-14,0-1-8], [4:0-4-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.05	1-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.14	1-4	>837	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 81 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 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.

REACTIONS. (lb/size) 1=3478/0-5-8 (min. 0-2-5), 3=3657/0-5-8 (min. 0-1-15)
Max Horz 1=27(LC 31)
Max Uplift1=-1600(LC 8)
Max Grav1=4368(LC 2), 3=3657(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4374/0, 2-3=-4378/0
BOT CHORD 1-5=0/3784, 5-6=0/3784, 4-6=0/3784, 4-7=0/3784, 7-8=0/3784, 3-8=0/3784
WEBS 2-4=0/3817

NOTES-
1) 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 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
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) except (jt=lb) 1=1600.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1899 lb down and 1639 lb up at 0-2-12, 504 lb down and 18 lb up at 1-1-4, 2424 lb down and 207 lb up at 3-10-0, 969 lb down at 5-9-4, and 989 lb down at 7-9-4, and 976 lb down at 9-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-68, 2-3=-68, 1-3=-14
Concentrated Loads (lb)
Vert: 1=-511(F) 3=-976(F) 5=-504(F) 6=-2424(F) 7=-969(F) 8=-969(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	CR1	MONO TRUSS	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:47 2018 Page 1
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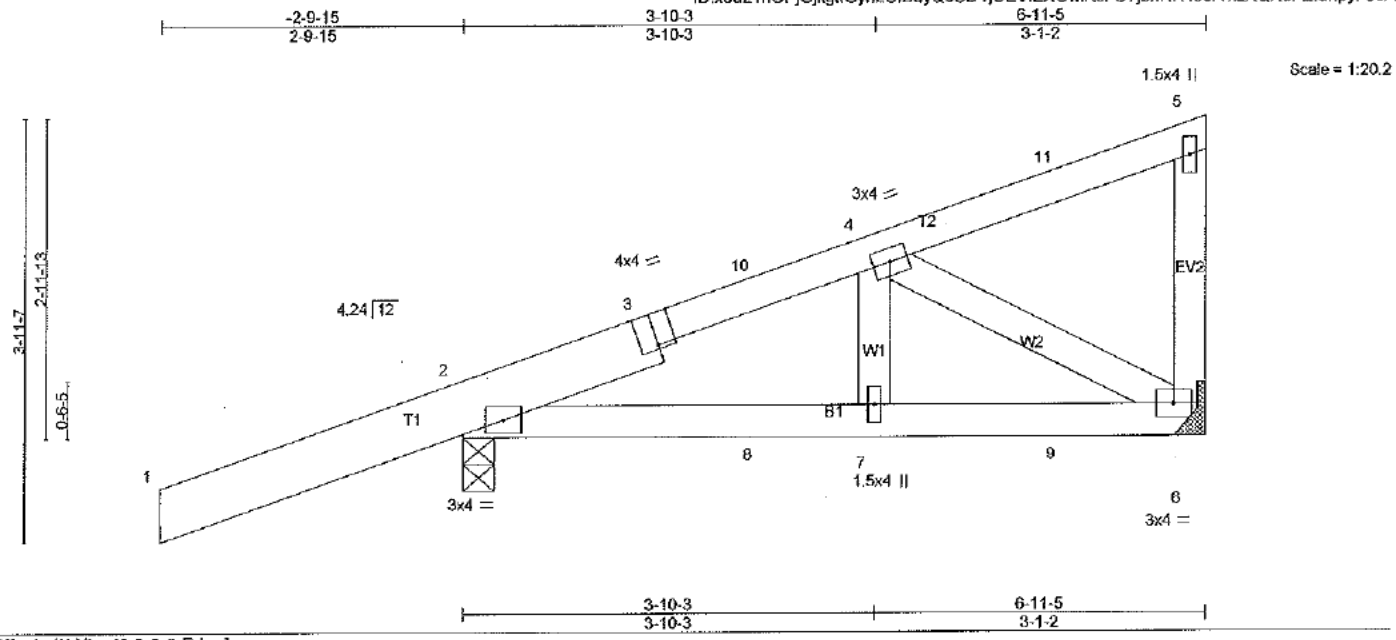

Plate Offsets (X,Y)-- [3:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.01	2-7	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.02	2-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	6	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 37 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except*
T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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. (lb/size) 2=471/0-3-8 (min. 0-1-8), 6=205/Mechanical
Max Horz 2=102(LC 4)
Max Uplift2=-95(LC 4), 6=-31(LC 9)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 88 lb up at 2-9-8, 9 lb down and 88 lb up at 2-9-8, and 38 lb up at 5-7-7, and 38 lb up at 5-7-7 on top chord, and at 2-9-8, at 2-9-8, and 19 lb down at 5-7-7, and 19 lb down at 5-7-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-14, 1-5=-88
Concentrated Loads (lb)
Vert: 9=-15(F=-8, B=-8) 10=87(F=43, B=43)

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	D	COMMON GIRDER	2	2	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Thu Dec 13 09:36:16 2018 Page 1
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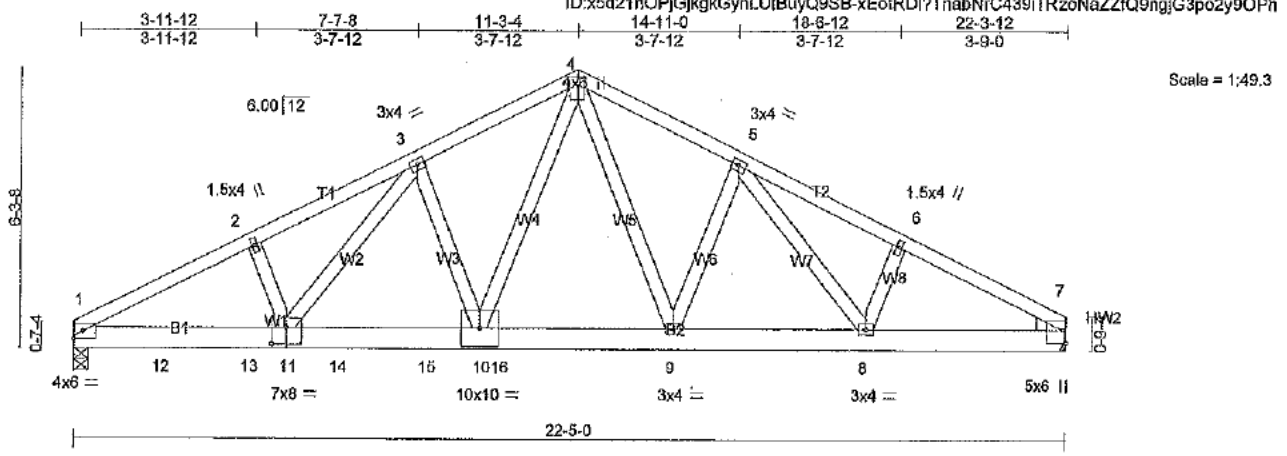

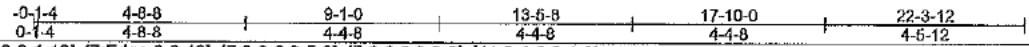

Plate Offsets (X,Y)-- [4:0-1-12,0-1-12], [7:Edge,0-0-12], [7:0-0-6,0-5-6], [7:0-0-3,0-0-6], [11:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.09	10-11	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.27	10-11	>980	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.07	7	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 260 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x6 DF No.2 G *Except*
B2: 2x6 DF No.1 G
WEBS 2x4 DF Std G
WEDGE
Right: 2x4 DF Std -G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 1=4555/0-4-0 (min. 0-2-7), 7=2580/Mechanical
Max Horz 1=61(LC 24)
Max Uplift1=-878(LC 25), 7=-877(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7889/1715, 2-3=-7728/1120, 3-4=-6187/893, 4-5=-4643/655, 5-6=-4492/1067, 6-7=-4648/1639
BOT CHORD 1-12=-1525/6804, 12-13=-1001/6804, 11-13=-944/6804, 11-14=-920/5843, 14-15=-764/5843, 10-15=-753/5843, 10-16=-479/3951, 9-16=-479/3951, 8-9=-845/4135, 7-8=-1380/3915
WEBS 4-9=-91/448, 5-9=-308/147, 5-8=-387/256, 6-8=-137/258, 4-10=-681/4420, 3-10=-1071/134, 3-11=-142/1790, 2-11=-156/325

NOTES-
1) 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 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) Concentrated loads from layout are not present in Load Case(s): #20 Dead + 0.6 MWFRS Wind (Pos. Internal) Left + Drag LC#1 Left; #21 Dead + 0.6 MWFRS Wind (Pos. Internal) Left + Drag LC#1 Right; #22 Dead + 0.6 MWFRS Wind (Pos. Internal) Right + Drag LC#1 Left; #23 Dead + 0.6 MWFRS Wind (Pos. Internal) Right + Drag LC#1 Right; #24 Dead + 0.6 MWFRS Wind (Neg. Internal) Left + Drag LC#1 Left; #25 Dead + 0.6 MWFRS Wind (Neg. Internal) Left + Drag LC#1 Right; #26 Dead + 0.6 MWFRS Wind (Neg. Internal) Right + Drag LC#1 Left; #27 Dead + 0.6 MWFRS Wind (Neg. Internal) Right + Drag LC#1 Right; #28 Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel + Drag LC#1 Left; #29 Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel + Drag LC#1 Right; #30 Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel + Drag LC#1 Left; #31 Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel + Drag LC#1 Right; #32 Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel + Drag LC#1 Left; #33 Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel + Drag LC#1 Right; #34 Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel + Drag LC#1 Left; #35 Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel + Drag LC#1 Right; #36 Dead-Drag LC#1 Left; #37 Dead-Drag LC#1 Right; #38 0.6 Dead-Drag LC#1 Left; #39 0.6 Dead-Drag LC#1 Right.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	D	COMMON GIRDER	2	2	Job Reference (optional)

NOTES-

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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=878, 7=877.
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 has been designed for a total drag load of 3100 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-3-12 for 138.9 plf.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 716 lb down and 53 lb up at 1-10-0, 716 lb down and 53 lb up at 3-10-0, 716 lb down and 53 lb up at 5-10-0, and 552 lb down and 61 lb up at 7-10-0, and 2615 lb down and 546 lb up at 9-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-7=-68, 1-7=-14
   Concentrated Loads (lb)
   Vert: 12=-716(B) 13=-716(B) 14=-716(B) 15=-552(B) 16=-2615(B)

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	D1	COMMON	6	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774 Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:48 2018 Page 1
ID:x6d21nOPjGjkgkGynLUlBuyQ9SB-JvmcjeaA9EtBDO3KHiIWpIOhst8jGhk1duO8DFyFJe9

-2-0-0	6-0-6	8-6-0	11-6-0	14-6-0	16-11-10	22-6-8
2-0-0	6-0-6	2-5-10	3-0-0	3-0-0	2-5-10	5-6-14

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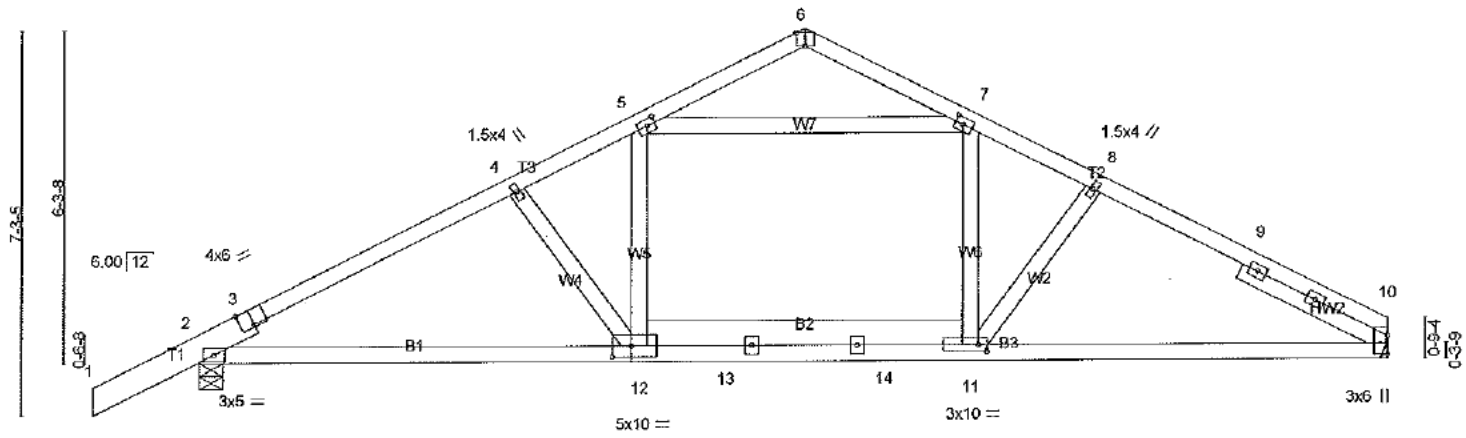

7-10-4	8-6-0	14-6-0	15-1-12	22-6-8
7-10-4	0-7-12	6-0-0	0-7-12	7-4-12

Plate Offsets (X,Y)-- [3:0-3-0,Edge], [5:0-1-12,0-1-8], [6:0-2-0,Edge], [7:0-1-12,0-1-8], [10:0-4-4,0-0-1], [11:0-2-0,0-1-8], [12:0-4-4,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.22	2-12	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.47	2-12	>575	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.08	10	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 119 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G *Except* T1: 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except* B2: 2x6 DF No.2 G
WEBS 2x4 DF Std G
SLIDER Right 2x4 DF Std -G 3-1-4

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-0 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) 10=983/Mechanical, 2=1148/0-5-8 (min. 0-1-8)
Max Horz 2=75(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1632/0, 3-4=-1637/0, 4-5=-1471/0, 5-6=-266/52, 6-7=-296/52, 7-8=-1441/0, 8-9=-1530/0, 9-10=-1599/0
BOT CHORD 2-12=0/1405, 12-13=0/1297, 13-14=0/1291, 11-14=0/1285, 10-11=0/1322
WEBS 4-12=-279/119, 5-12=0/443, 7-11=0/333, 5-7=-1108/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) 150.0lb AC unit load placed on the bottom chord, 11-6-0 from left end, supported at two points, 3-0-0 apart.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	D1A	COMMON	6	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774 Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:49 2018 Page 1
ID:x5d21nOPjGjkgkGynLUlBuyQ9SB-n5J_w_bowX02rYeWr0pIMVxsEHVL?8vBsY8hlIyFJe8

-2-0-0	6-0-6	8-6-0	11-6-0	14-6-0	16-11-10	23-0-0	25-0-0
2-0-0	6-0-6	2-5-10	3-0-0	3-0-0	2-5-10	6-0-6	2-0-0

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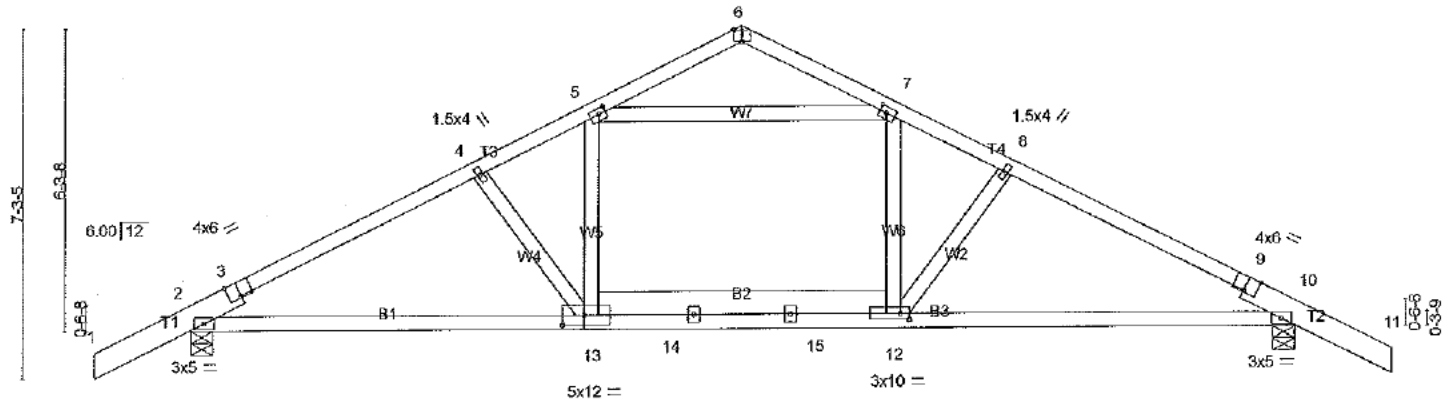

8-6-0	14-6-0	23-0-0
8-6-0	6-0-0	8-6-0

Plate Offsets (X,Y)-- [3:0-3-0,Edge], [4:0-0-0,0-0-0], [5:0-1-12,0-1-8], [6:0-2-0,Edge], [7:0-1-12,0-1-8], [9:0-3-0,Edge], [12:0-2-4,0-1-8], [13:0-5-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.22	2-13	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.48	2-13	>566	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.08	10	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-S							Weight: 122 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except* T3,T4: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G *Except* B2: 2x6 DF No.2 G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 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) 2=1151/0-5-8 (min. 0-1-8), 10=1151/0-5-8 (min. 0-1-8)
Max Horz 2=71(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1639/0, 3-4=-1644/0, 4-5=-1478/0, 5-6=-263/52, 6-7=-296/52, 7-8=-1448/0, 8-9=-1588/0, 9-10=-1587/0
BOT CHORD 2-13=0/1422, 13-14=0/1314, 14-15=0/1308, 12-15=0/1302, 10-12=0/1333
WEBS 4-13=-279/120, 5-13=0/449, 7-12=0/325, 5-7=-1116/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) 150.0lb AC unit load placed on the bottom chord, 11-6-0 from left end, supported at two points, 3-0-0 apart.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	J1	JACK-OPEN	4	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:49 2018 Page 1
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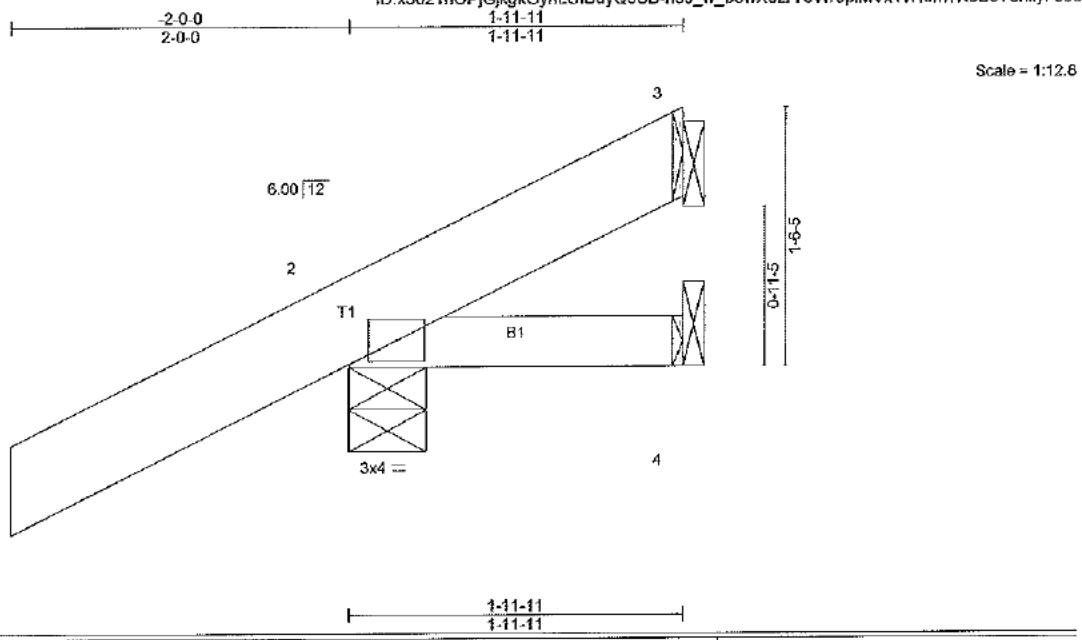

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	2	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 13 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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=-9/Mechanical, 2=292/0-5-8 (min. 0-1-8), 4=13/Mechanical
Max Horz 2=47(LC 8)
Max Uplift3=-9(LC 1), 2=-28(LC 8)
Max Grav3=14(LC 4), 2=292(LC 1), 4=33(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	J2	JACK-OPEN	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:50 2018 Page 1
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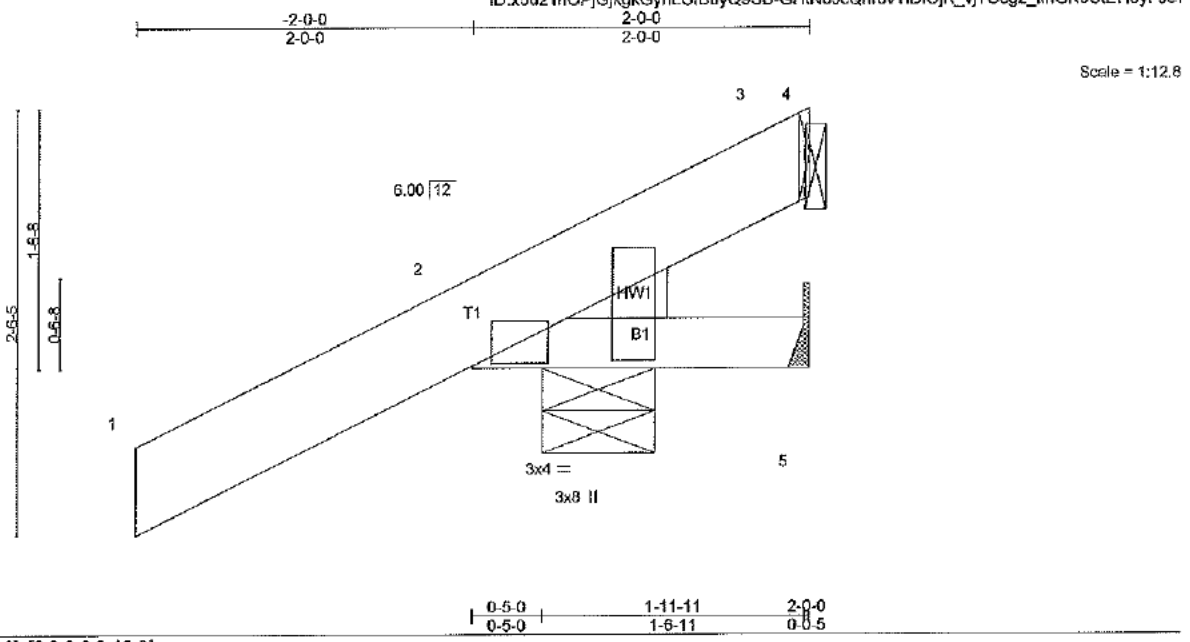

Plate Offsets (X,Y)-- [2:0-1-6,0-0-3], [2:0-0-6,0-10-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	2	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	2-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 14 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEDGE
Left: 2x4 DF Std -G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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=295/0-8-0 (min. 0-1-8), 5=13/Mechanical, 3=-13/Mechanical
Max Horz 2=47(LC 8)
Max Uplift2=-28(LC 8), 3=-13(LC 1)
Max Grav2=295(LC 1), 5=33(LC 3), 3=16(LC 4)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 1-4-0 oc.
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) 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) 2, 3.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	J2A	JACK-OPEN	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:50 2018 Page 1
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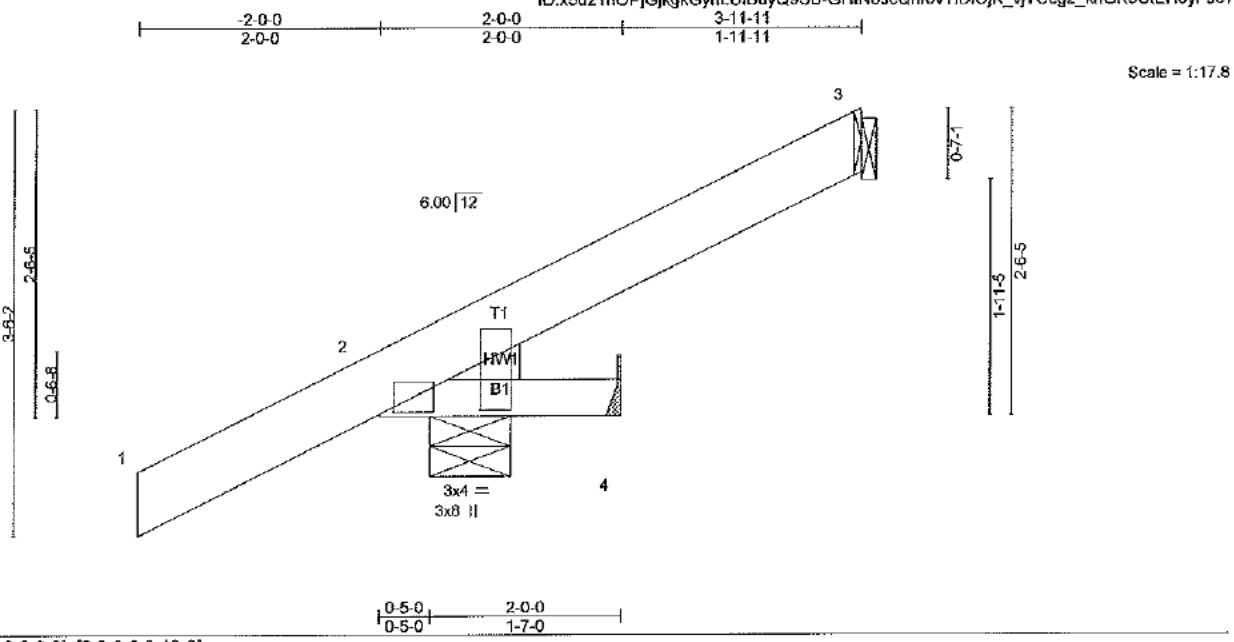

Plate Offsets (X,Y)-- [2:0-1-6,0-0-3], [2:0-0-6,0-10-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	2	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 19 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEDGE
Left: 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=93/Mechanical, 2=322/0-8-0 (min. 0-1-8), 4=13/Mechanical
Max Horz 2=72(LC 8)
Max Uplift3=-35(LC 8), 2=-29(LC 8)
Max Grav3=93(LC 1), 2=322(LC 1), 4=33(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 1-4-0 oc.
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) 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.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	J3	JACK-OPEN	4	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:51 2018 Page 1
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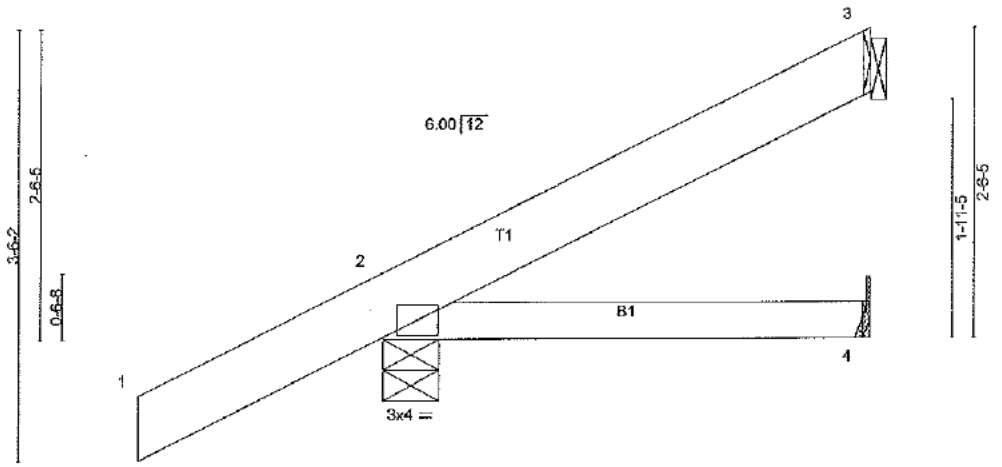

3-11-11 3-11-11

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	2-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.02	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 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=79/Mechanical, 2=348/0-5-8 (min. 0-1-8), 4=26/Mechanical
Max Horz 2=72(LC 8)
Max Uplift 3=-33(LC 8), 2=-22(LC 8)
Max Grav 3=79(LC 1), 2=348(LC 1), 4=63(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	J5	JACK-OPEN	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:51 2018 Page 1
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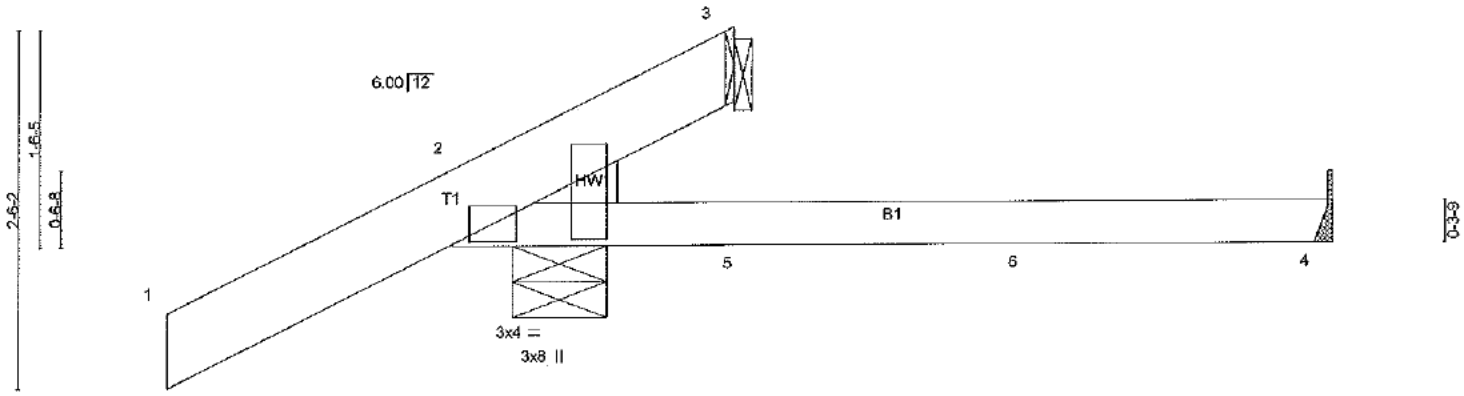
-2-0-0 2-0-0 | 1-11-11 1-11-11 | 6-2-0 4-2-5

Scale = 1:15.1



0-5-0 0-5-0 | 1-10-15 1-5-15 | 1-11-11 0-0-12 | 6-2-0 4-2-5

Plate Offsets (X,Y)-- [2:0-1-6,0-0-3], [2:0-0-6,0-10-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.07	2-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.16	2-4	>424	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEDGE
Left: 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) 3=-64/Mechanical, 2=375/0-8-0 (min. 0-1-8), 4=45/Mechanical
Max Horz 2=46(LC 8)
Max Uplift 3=-64(LC 1), 2=-14(LC 8)
Max Grav 3=20(LC 4), 2=375(LC 1), 4=110(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 12 lb down at 2-0-12, and 12 lb down at 4-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-68, 2-4=-14
Concentrated Loads (lb)
Vert: 5=-5(B) 6=-5(B)

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	J6A	JACK-OPEN	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:52 2018 Page 1
ID:x5d21nOPjGjkgkGynLUlBuyQ9SB-Cg?7Z?dgDSOdl0N5W8NS_6ZXcUbHChmdYWMLM1yFJe5

-2-0-0 2-0-0 | 3-11-11 3-11-11 | 6-2-0 2-2-5

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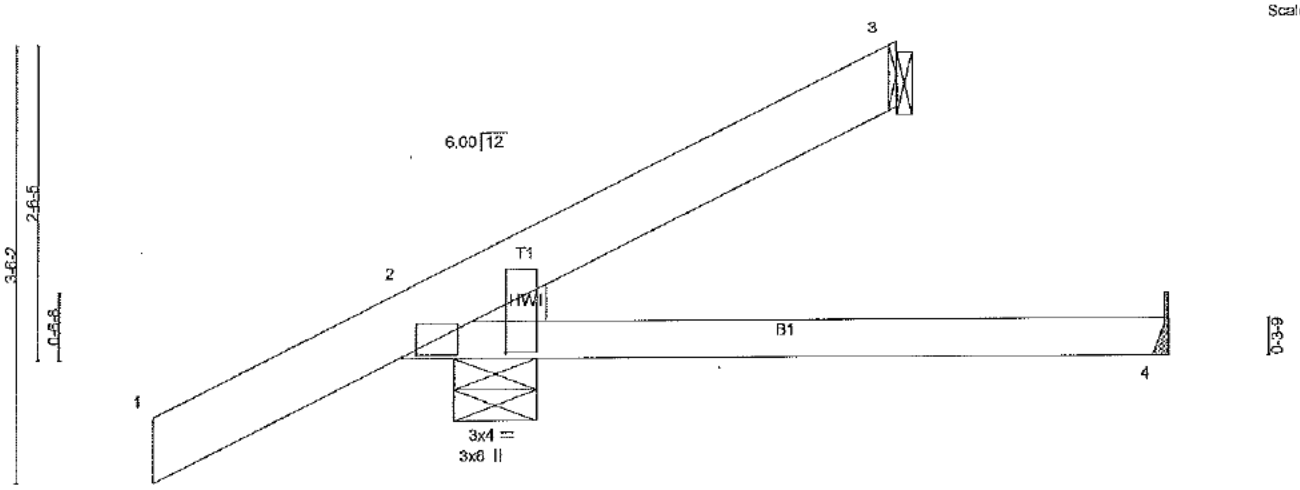

0-5-0 0-5-0 | 3-10-15 3-5-15 | 3-11-11 0-0-12 | 6-2-0 2-2-5

Plate Offsets (X,Y)-- [2:0-1-6,0-0-3], [2:0-0-6,0-10-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.06	2-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.14	2-4	>496	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 24 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEDGE
Left: 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) 3=70/Mechanical, 2=372/0-8-0 (min. 0-1-8), 4=40/Mechanical
Max Horz 2=72(LC 8)
Max Uplift 3=-32(LC 8), 2=-14(LC 8)
Max Grav 3=70(LC 1), 2=372(LC 1), 4=98(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	J5B	JACK-OPEN	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:52 2018 Page 1
ID:x5d21nOPjGjkgkGynLUIBuyQ9SB-Cg??Z?dgDSOdi0N5W8NS_8ZXRUbHChmdYWMLM1yFJe5

-2-0-0 2-0-0 | 5-11-11 5-11-11 | 6-2-0 0-2-5

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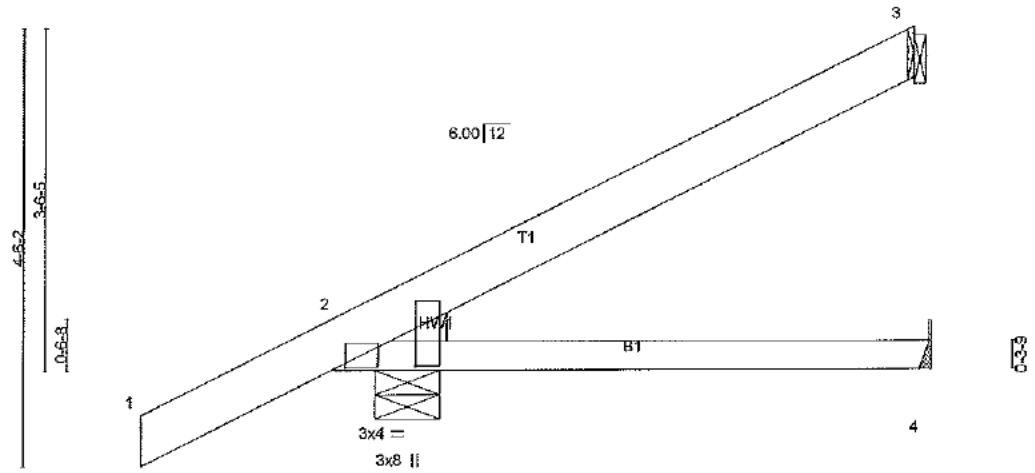

0-5-0 0-5-0 | 5-11-11 5-6-11 | 6-2-0 0-2-5

Plate Offsets (X,Y)-- [2:0-1-6,0-0-3], [2:0-0-6,0-10-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.06	2-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.14	2-4	>496	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 29 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEDGE
Left: 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) 3=156/Mechanical, 2=422/0-8-0 (min. 0-1-8), 4=40/Mechanical
Max Horz 2=98(LC 8)
Max Uplift3=-56(LC 8), 2=-18(LC 8)
Max Grav3=156(LC 1), 2=422(LC 1), 4=98(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units A1 & A2
UNITS A1 & A2	M1	MONOPITCH SUPPORTED	4	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:53 2018 Page 1
ID:x5d21nOPjGjkgkGynLUIBuyQ9SB-gsZVmLel_mWUKAyH4ruhWL5izu?gx8omnA6vuTyFJe4

-2-0-0 6-1-15
2-0-0 6-1-15

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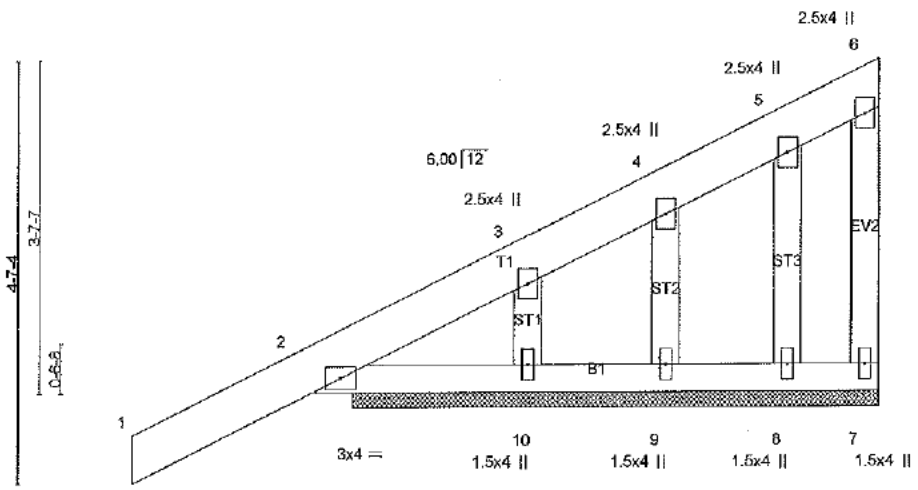

0-5-0 6-1-15
0-5-0 5-8-15

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	1	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 40 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
OTHERS 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 5-8-15.
(lb) - Max Horz 2=99(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 10, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 7, 10, 9, 8 except 2=290(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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 1-4-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2, 10, 9, 8.
8) Non Standard bearing condition. Review required.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1A	JACK	13	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:53 2018 Page 1
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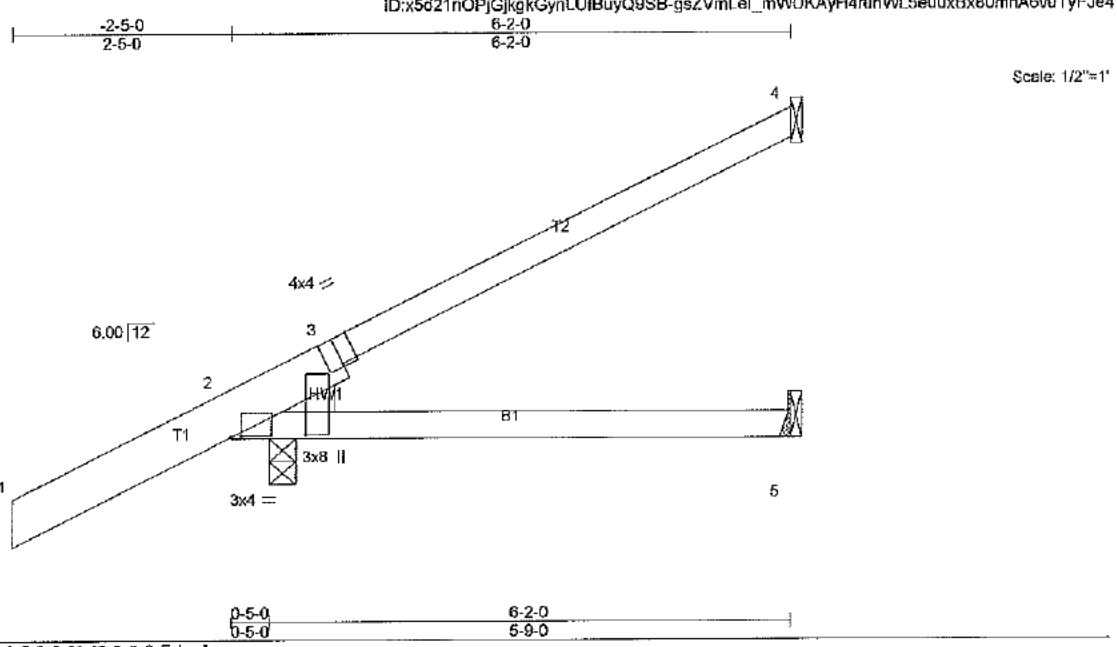

Plate Offsets (X,Y)-- [2:0-0-5,0-9-14], [2:0-1-5,0-0-3], [3:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.07	2-5	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.16	2-5	>450	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	4	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 26 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEDGE
Left: 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=0-3-8, 4=Mechanical.
(lb) - Max Horz 2=107(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 4
Max Grav All reactions 250 lb or less at joint(s) 5, 5, 4 except 2=456(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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1B	JACK	8	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:54 2018 Page 1
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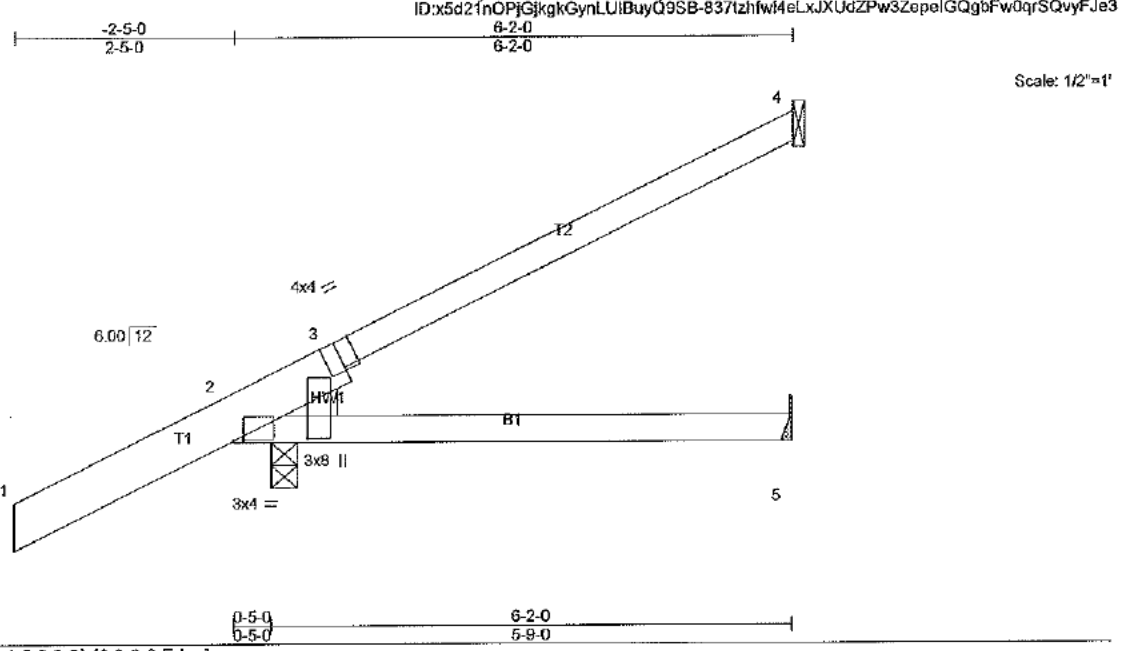

Plate Offsets (X,Y)-- [2:0-0-5,0-9-14], [2:0-1-5,0-0-3], [3:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.07	2-5	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.16	2-5	>450	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	4	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 26 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEDGE
Left: 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=456/0-3-8 (min. 0-1-8), 5=42/Mechanical, 4=165/Mechanical
Max Horz 2=107(LC 8)
Max Uplift2=-22(LC 8), 4=-58(LC 8)
Max Grav2=456(LC 1), 5=101(LC 3), 4=165(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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1C	MONOPITCH GIRDER	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:55 2018 Page 1
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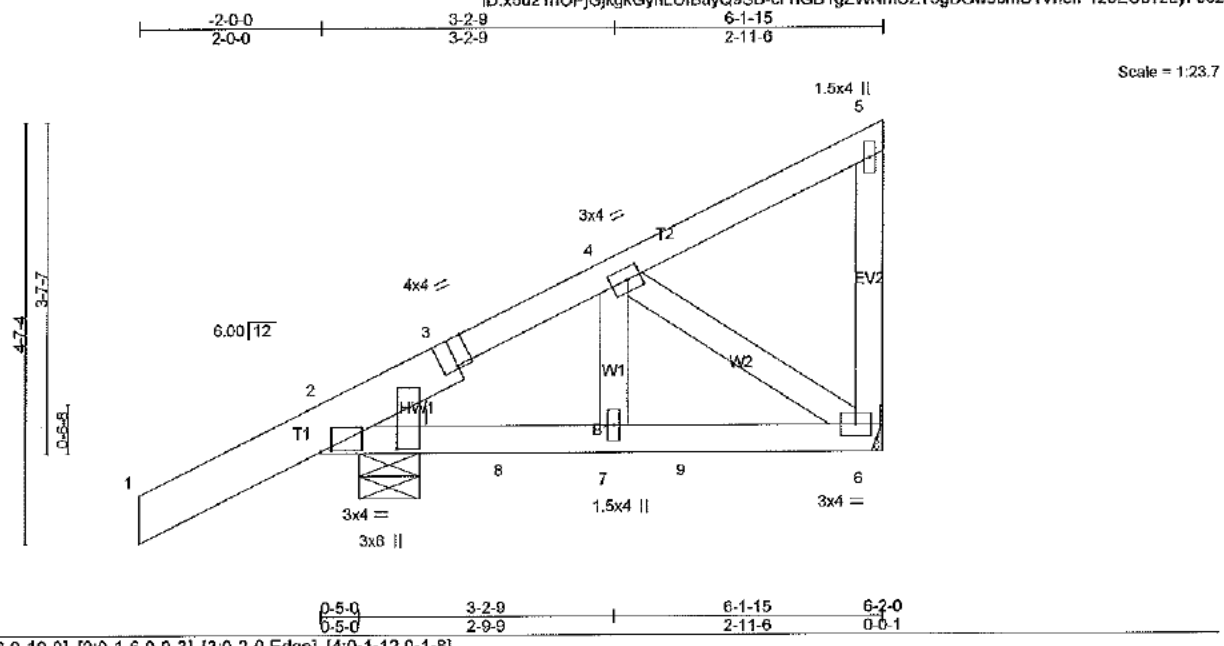

Plate Offsets (X,Y)-- [2:0-0-6,0-10-0], [2:0-1-6,0-0-3], [3:0-2-0,Edge], [4:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.01	2-7	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.02	2-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 36 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
WEDGE
Left: 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. (lb/size) 6=520/Mechanical, 2=455/0-8-0 (min. 0-1-8)
Max Horz 2=102(LC 21)
Max Uplift 6=-109(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-308/0, 3-4=-268/0, 5-6=-351/133
WEBS 4-6=-254/13

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=109.
7) This truss is designed in accordance with the 2015 International Building Code section 2308.1 and referenced standard ANSI/TPI 1.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 259 lb down and 139 lb up at 6-0-2 on top chord, and 76 lb down at 2-0-12, and 64 lb down at 4-0-12, and 82 lb down at 6-0-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-68, 2-6=-14
Concentrated Loads (lb)
Vert: 5=-259(F) 6=-34(F) 8=-31(F) 9=-26(F)

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1D	MONOPITCH	6	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:55 2018 Page 1
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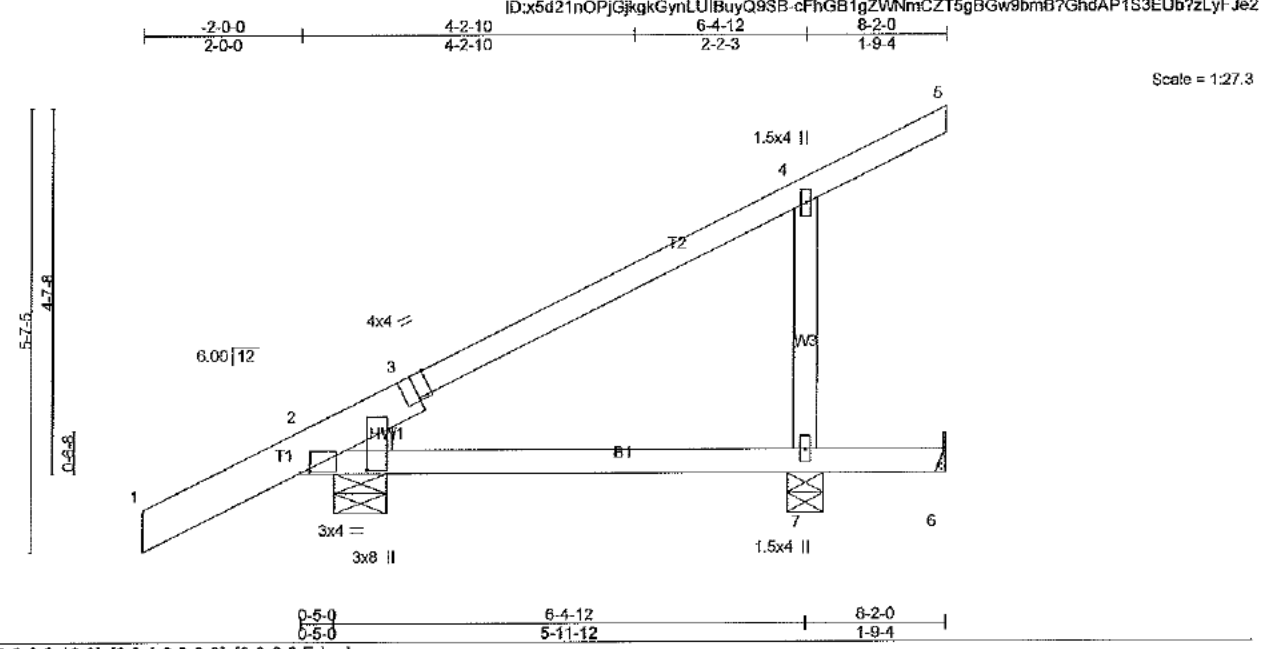

Plate Offsets (X,Y)-- [2:0-0-6,0-10-0], [2:0-1-6,0-0-3], [3:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.04	2-7	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.09	2-7	>806	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 36 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except* T2: 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
WEDGE
Left: 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=412/0-8-0 (min. 0-1-8), 6=-18/Mechanical, 7=406/0-5-8 (min. 0-1-8)
Max Horz 2=125(LC 8)
Max Uplift2=-8(LC 8), 6=-44(LC 3), 7=-38(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-7=-313/93

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 7.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1E	MONOPITCH SUPPORTED	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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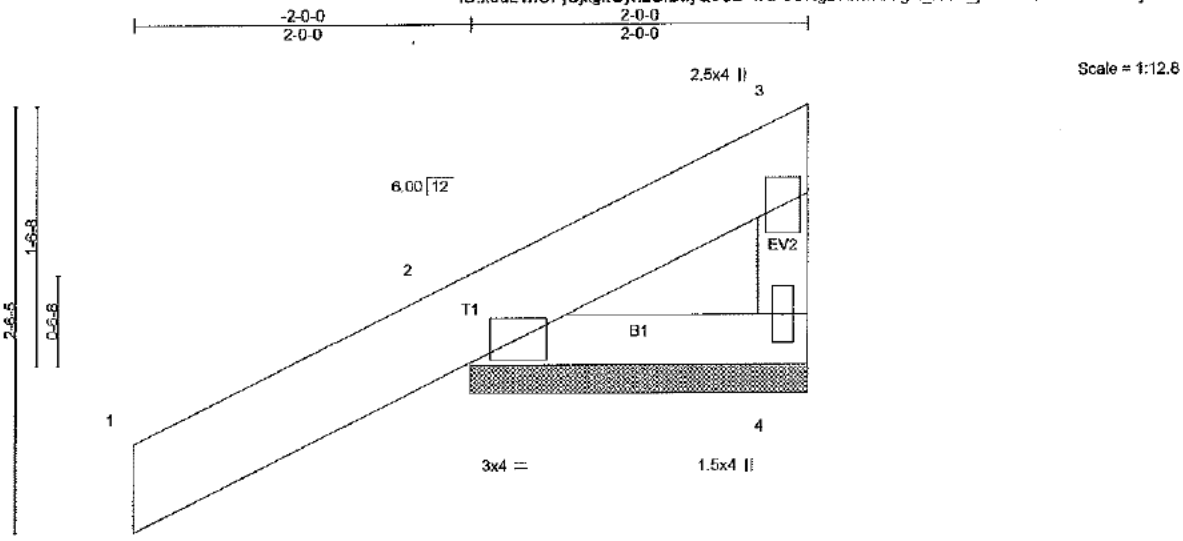

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	1	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 14 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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. (lb/size) 4=2/2-0-0 (min. 0-1-8), 2=285/2-0-0 (min. 0-1-8)
Max Horz 2=45(LC 8)
Max Uplift2=-28(LC 8)
Max Grav4=27(LC 3), 2=285(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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 1-4-0 oc.
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) 2.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1F	MONOPITCH	5	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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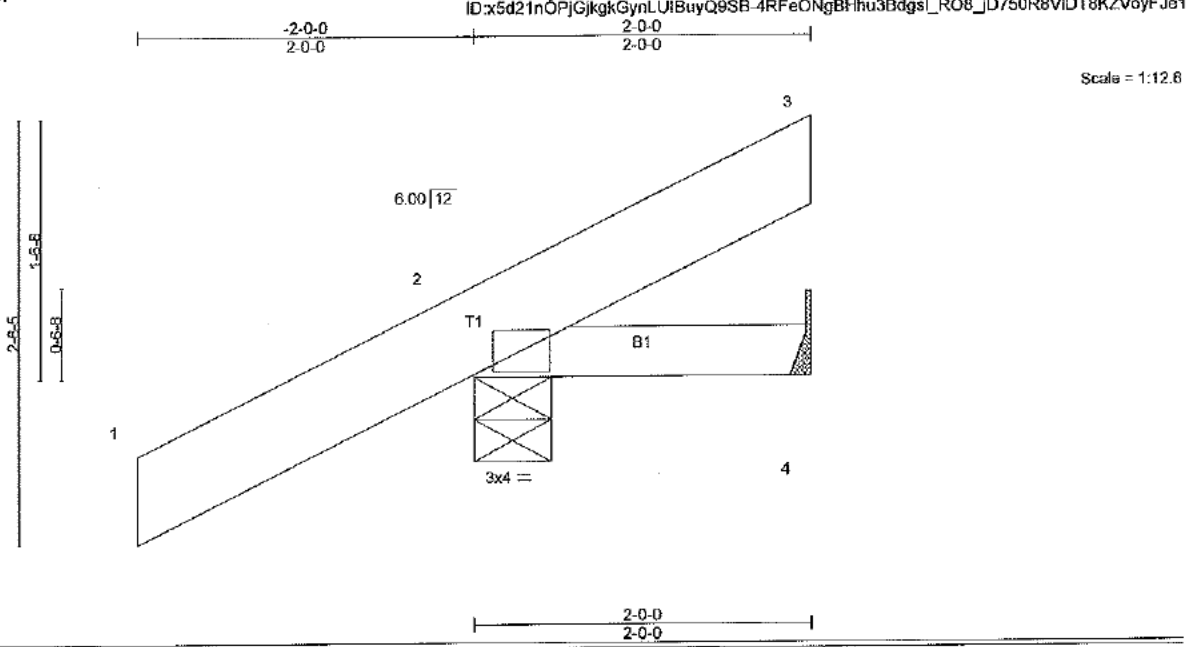

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	2	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 13 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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=292/0-5-8 (min. 0-1-8), 4=7/Mechanical
Max Horz 2=62(LC 5)
Max Uplift 2=-66(LC 5)
Max Grav 2=292(LC 1), 4=30(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1G	MONOPITCH	14	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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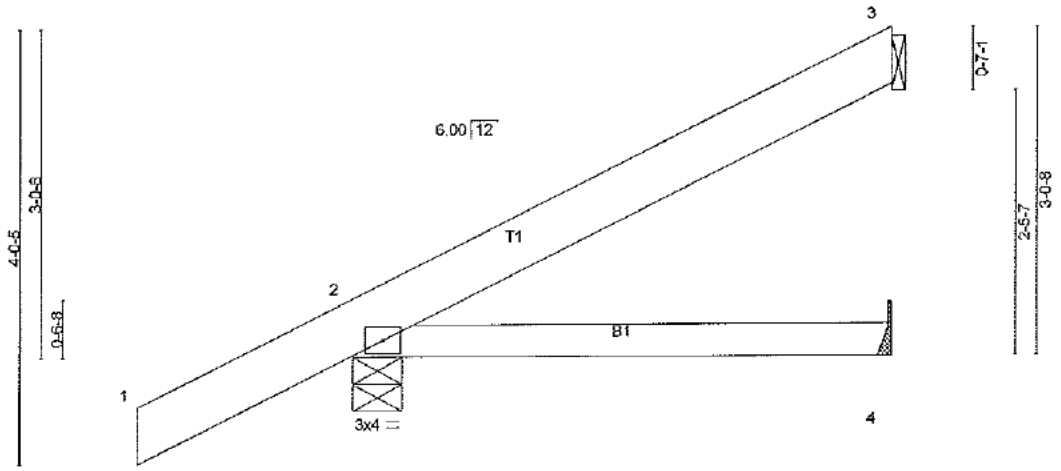

5-0-0 / 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.03	2-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.06	2-4	>913	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 24 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=124/Mechanical, 2=381/0-5-8 (min. 0-1-8), 4=33/Mechanical
Max Horz 2=85(LC 6)
Max Uplift 3=-45(LC 8), 2=-20(LC 8)
Max Grav 3=124(LC 1), 2=381(LC 1), 4=80(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	M1H	MONOPITCH	10	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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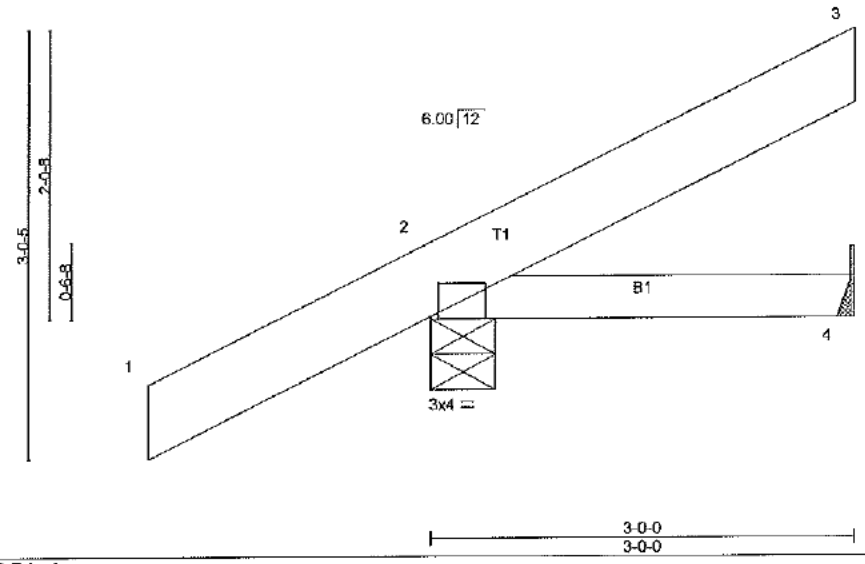

3-0-0 3-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.01	2-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.02	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 17 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x4 DF No.2 G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 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=325/0-5-8 (min. 0-1-8), 4=53/Mechanical
Max Horz 2=78(LC 5)
Max Uplift2=-64(LC 5), 4=-9(LC 5)
Max Grav2=325(LC 1), 4=60(LC 3)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	R1	CORNER RAFTER	1	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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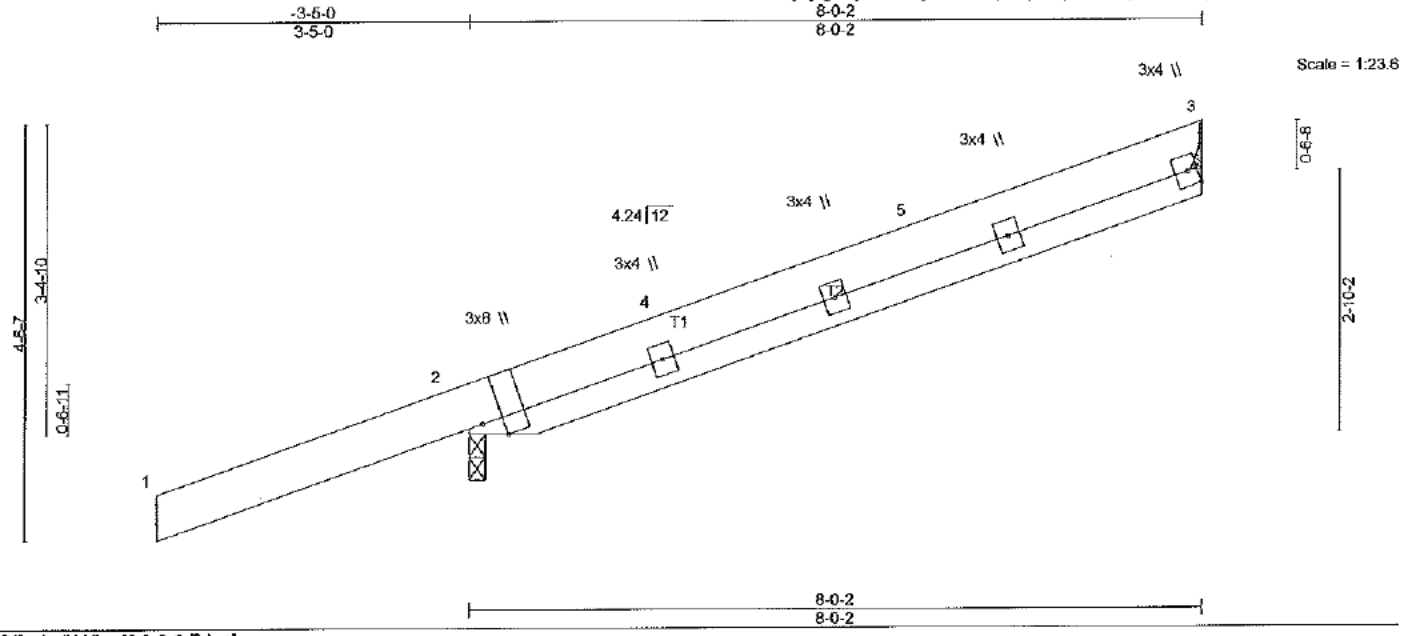

Plate Offsets (X,Y)-- [2:0-2-6,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.03	2-3	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.00	Vert(CT)	-0.04	2-3	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 38 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 DF No.2 G *Except*
T2: 2x4 DF No.2 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) 3=302/Mechanical, 2=469/0-2-2 (min. 0-1-8)
Max Horz2=113(LC 4)
Max Uplift3=-120(LC 8), 2=-166(LC 4)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) * 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.
3) A plate rating reduction of 20% has been applied for the green lumber members.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=120, 2=166.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down and 160 lb up at 2-2-7, 49 lb down and 110 lb up at 2-2-7, 72 lb down and 36 lb up at 5-0-6, and 78 lb down and 43 lb up at 5-0-6, and 103 lb down and 73 lb up at 8-0-2 on top chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-68
Concentrated Loads (lb)
Vert: 3=-103(F) 4=109(F=66, B=44)

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	R2	Rafter	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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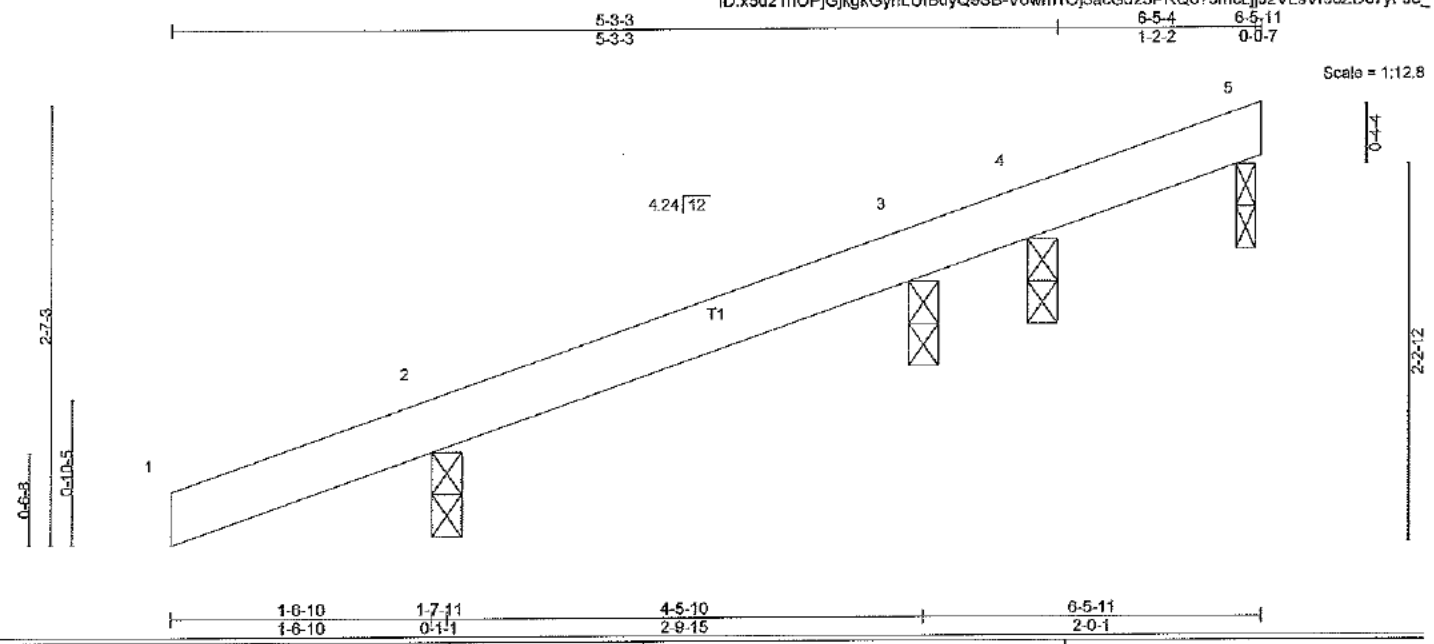

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.00	2-3	>999	240		
TCDL	14.0	Lumber DOL	1.25	BC	0.00	Vert(CT)	-0.00	2-3	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 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) 5=0-1-6.
(lb) - Max Horz 2=66(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 5, 2, 3, 4
Max Grav All reactions 250 lb or less at joint(s) 5, 2, 3, 4

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) * 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.
3) A plate rating reduction of 20% has been applied for the green lumber members.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 2, 3, 4.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 3, 4.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 2, 3, 4.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	R3	Rafter	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:59 2018 Page 1
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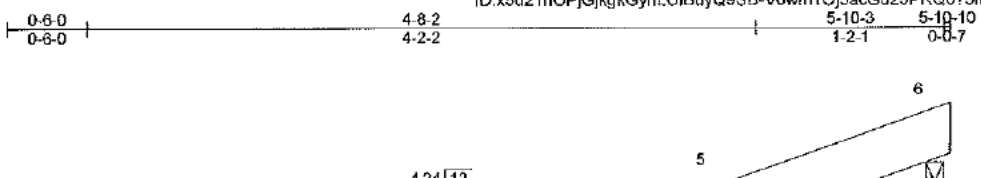

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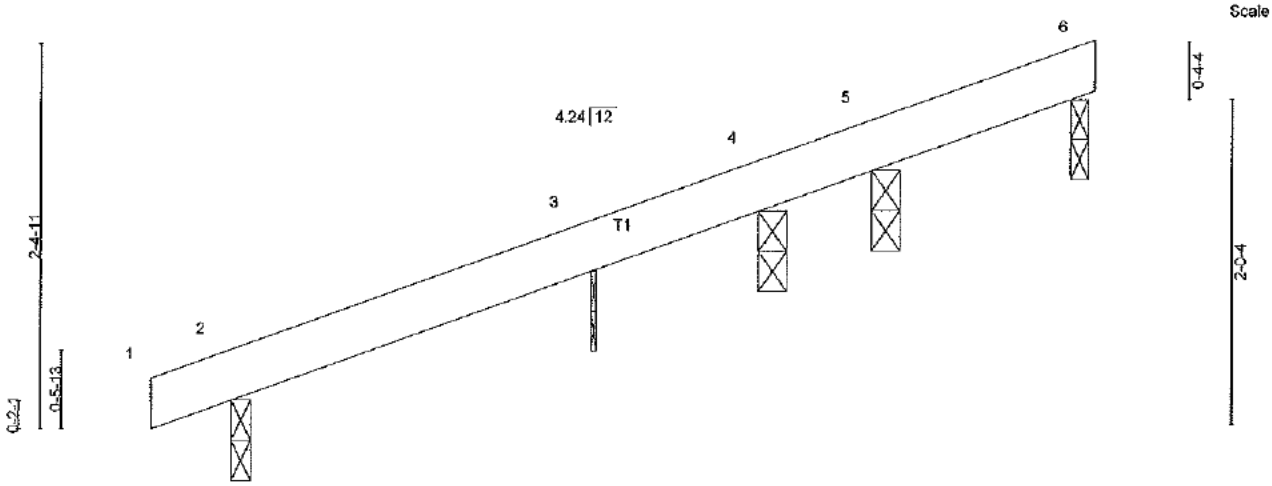

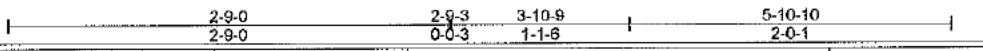

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.00	2-3	>999	240		
TCDL	14.0	Lumber DOL	1.25	BC	0.00	Vert(CT)	-0.01	2-3	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 9 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-10 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) 6=0-1-6, 3=0-0-6, 2=0-1-8.
(lb) - Max Horz 3=56(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 6, 3, 4, 5, 2
Max Grav All reactions 250 lb or less at joint(s) 6, 3, 4, 5, 2

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) * 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.
3) A plate rating reduction of 20% has been applied for the green lumber members.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6, 3, 4, 5, 2.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 3, 4, 5, 2.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6, 3, 4, 5, 2.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:07:59 2018 Page 1
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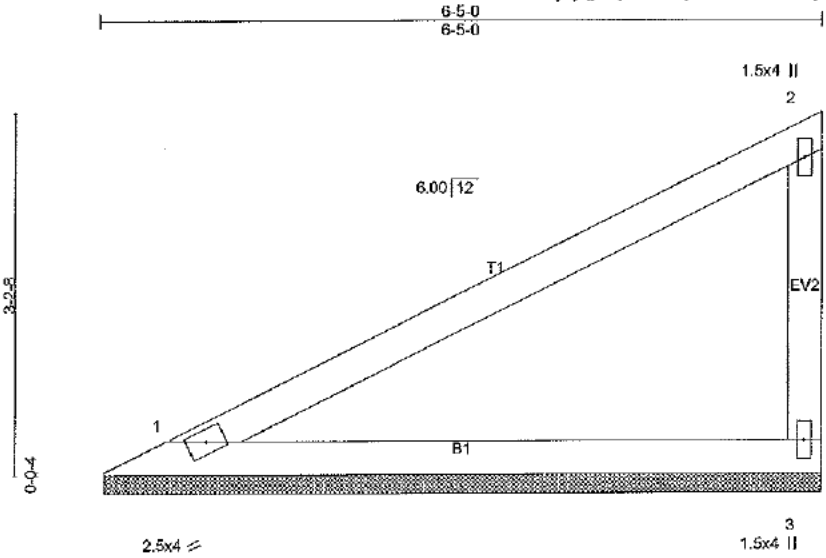

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-5-0 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. (lb/size) 1=231/6-4-8 (min. 0-1-8), 3=231/6-4-8 (min. 0-1-8)
Max Horz 1=73(LC 8)
Max Uplift3=-34(LC 8)

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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V1	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:08:00 2018 Page 1
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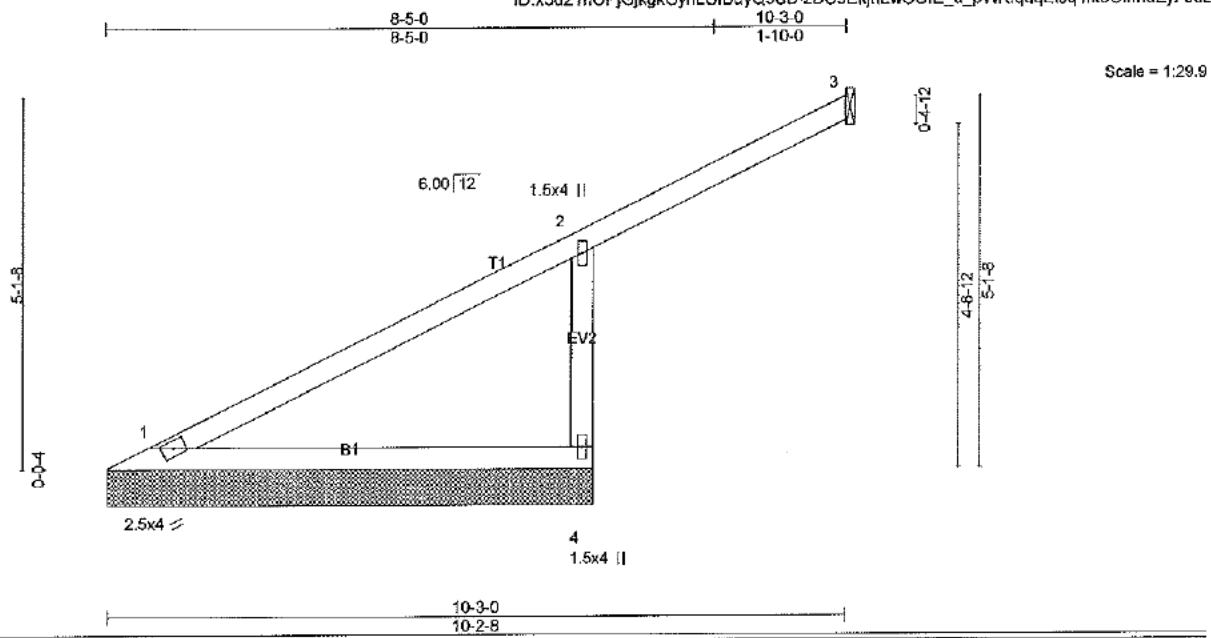

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.07	1-4	>999	240	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.16	1-4	>450	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 28 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 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. (lb/size) 1=206/6-8-8 (min. 0-1-8), 3=58/Mechanical, 4=468/6-8-8 (min. 0-1-8)
Max Horz 1=124(LC 8)
Max Uplift3=-18(LC 8), 4=-104(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-427/129

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=104.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V2	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:08:00 2018 Page 1
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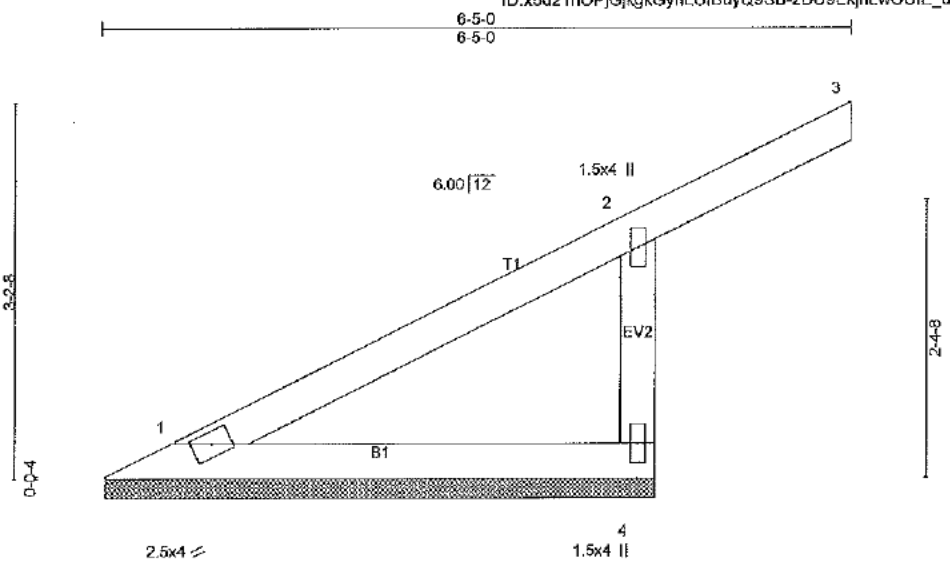

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.01	3	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.00	3	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 18 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 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. (lb/size) 1=134/4-8-8 (min. 0-1-8), 4=314/4-8-8 (min. 0-1-8)
Max Horz 1=70(LC 8)
Max Uplift4=-66(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-286/83

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V3	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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3-4-3 | 0-7-8 | 0-5-5

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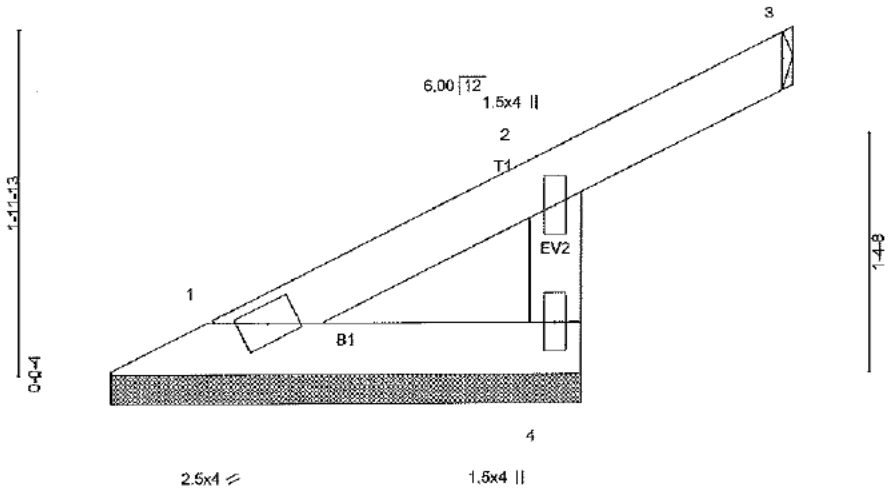

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	3	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	3	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-0 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. (lb/size) 1=48/2-8-8 (min. 0-1-8), 4=206/2-8-8 (min. 0-1-8)
Max Horz 1=40(LC 5)
Max Uplift4=-53(LC 5)
Max Grav1=49(LC 15), 4=206(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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V4	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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3-2-0 0-9-11

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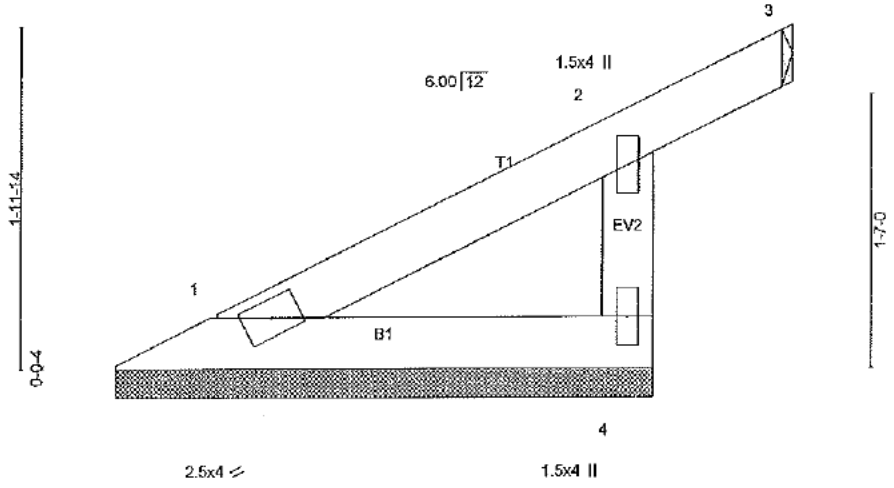

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	0.00	2	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	2	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 11 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-0 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. (lb/size) 1=84/3-1-8 (min. 0-1-8), 4=176/3-1-8 (min. 0-1-8)
Max Horz 1=41(LC 8)
Max Uplift4=-35(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=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V5	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

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5-2-0 | 7-11-11
5-2-0 | 2-9-11

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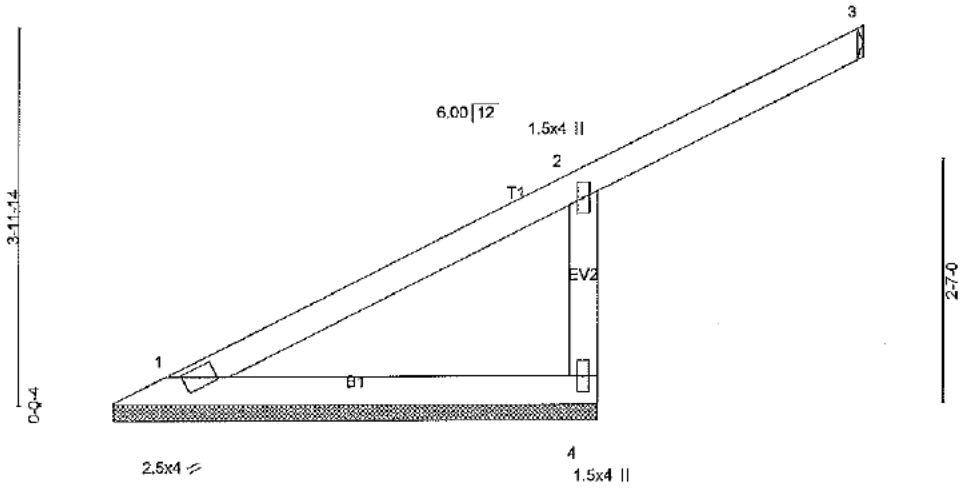

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	0.05	3	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.06	3	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-0 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. (lb/size) 1=112/5-1-8 (min. 0-1-8), 4=448/5-1-8 (min. 0-1-8)
Max Horz 1=87(LC 8)
Max Uplift4=-113(LC 5)
Max Grav1=112(LC 15), 4=448(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-416/132

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=113.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V6	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:08:02 2018 Page 1
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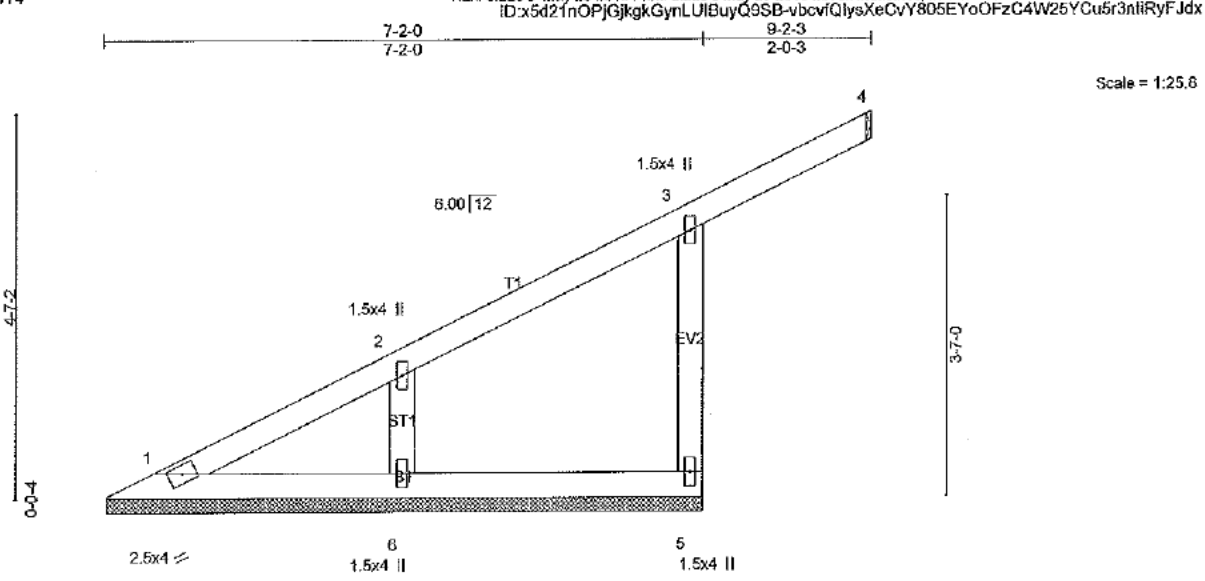

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	0.02	4	n/r	120	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.02	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00		n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 29 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G
WEBS 2x4 DF Std G
OTHERS 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. (lb/size) 1=99/7-1-8 (min. 0-1-8), 5=316/7-1-8 (min. 0-1-8), 6=255/7-1-8 (min. 0-1-8)
Max Horz 1=105(LC 8)
Max Uplift5=-86(LC 5), 6=-34(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-297/97

NOTES-
1) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V7	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:08:03 2018 Page 1
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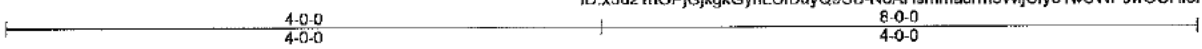

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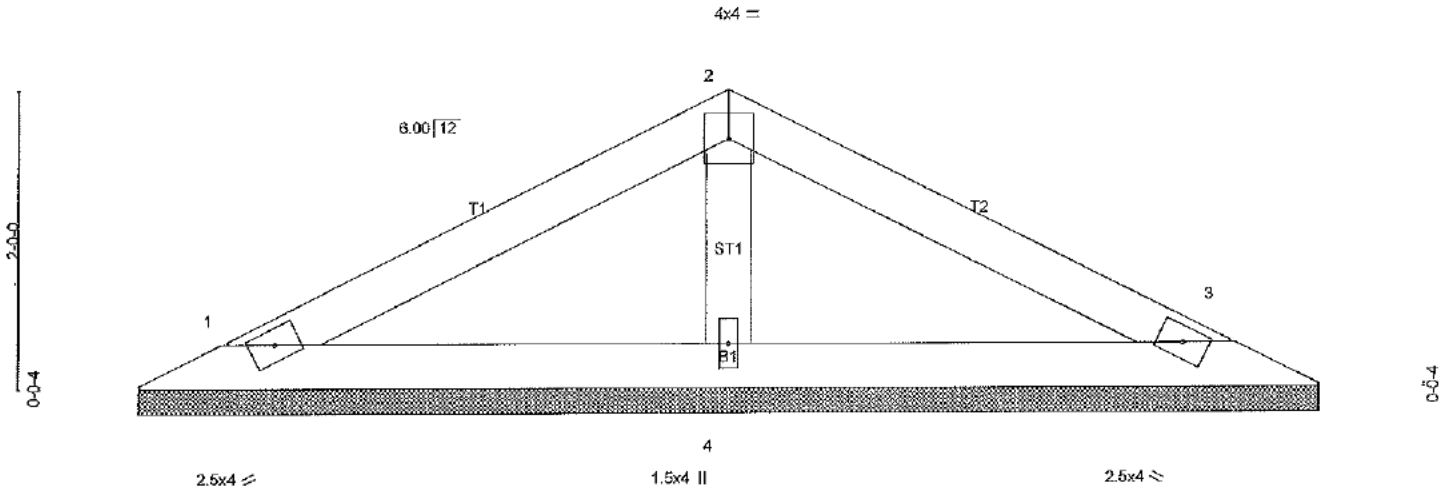

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 23 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 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. (lb/size) 1=144/7-11-0 (min. 0-1-8), 3=144/7-11-0 (min. 0-1-8), 4=263/7-11-0 (min. 0-1-8)
Max Horz 1=17(LC 7)
Max Uplift1=-14(LC 6), 3=-17(LC 9)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

Job	Truss	Truss Type	Qty	Ply	Units-A1 & A2
UNITS A1 & A2	V8	Valley	2	1	Job Reference (optional)

Better Built Truss, Ripon, CA 95366-2774

Run: 8.220 s May 29 2018 Print: 8.220 s May 29 2018 MiTek Industries, Inc. Mon Nov 26 10:08:03 2018 Page 1
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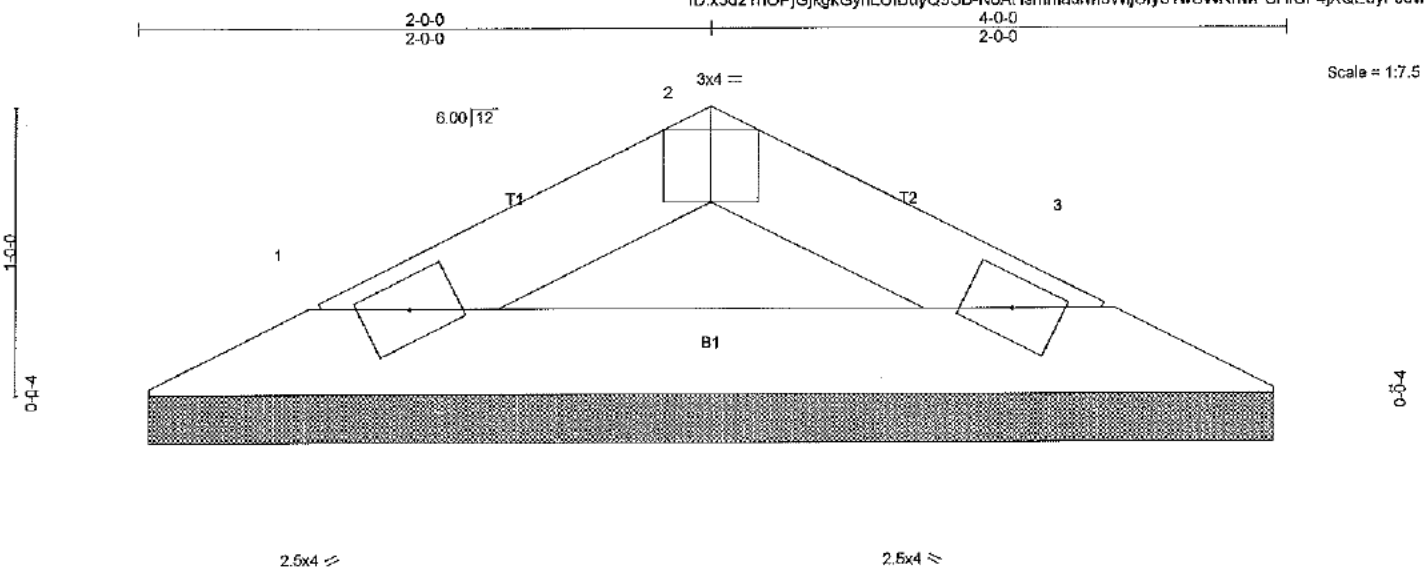


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	14.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	7.0	Code IBC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2 G
BOT CHORD 2x4 DF No.2 G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 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) 1=111/3-11-0 (min. 0-1-8), 3=111/3-11-0 (min. 0-1-8)
Max Horz 1=-7(LC 6)
Max Uplift 1=-4(LC 8), 3=-4(LC 9)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

[redacted]

JANUARY 1, 2009	T-BRACE / I-BRACE DETAIL	ST - T-BRACE

MiTek Industries, Inc.

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

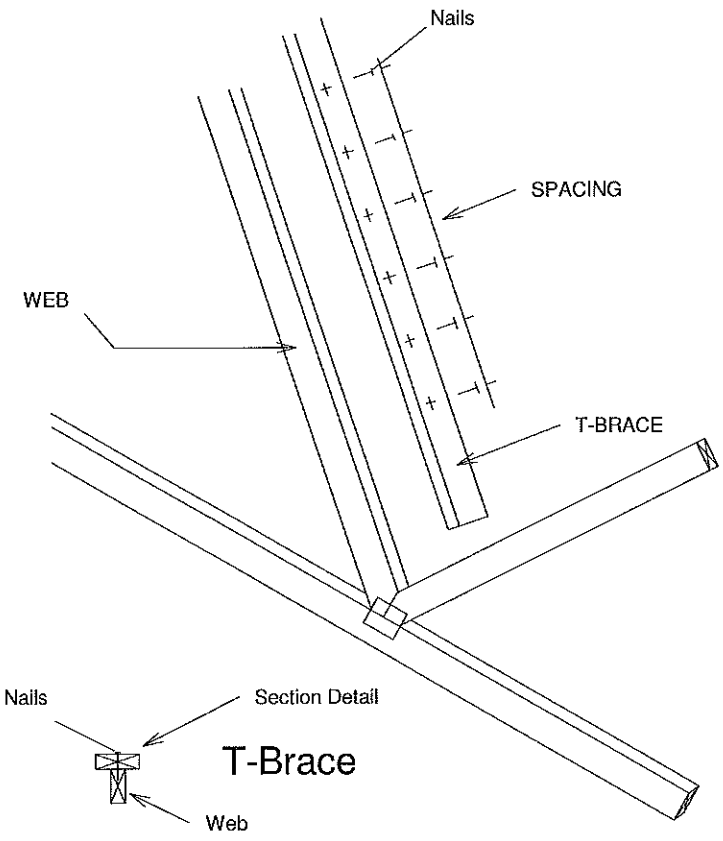
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

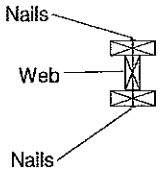
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
1x4 or 1x6	10d	8" o.c.
2x4 or 2x6 or 2x8	16d	8" o.c.

Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)

	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	1x4 (*) T-Brace	1x4 (*) I-Brace
2x6	1x6 (*) T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

	Brace Size for Two-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace





I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.
(*) NOTE: If SYP webs are used in the truss, 1x4 or 1x6 SYP braces must be stress rated boards with design values that are equal to (or better) the truss web design values.
For SYP truss lumber grades up to #2 with 1X_ bracing material, use IND 45 for T-Brace/I-Brace
For SYP truss lumber grades up to #1 with 1X_ bracing material, use IND 55 for T-Brace/I Brace

MiTek Industries, Inc.

MiTek Industries, Chesterfield, MO

BRACE BAY SIZE *	MAXIMUM TRUSS WEB FORCE (lbs.) (See note 7)									
	24"O.C.				48"O.C.				72" O.C.	
	BRACING MATERIAL TYPE				BRACING MATERIAL TYPE				BRACING MATERIAL TYPE	
	A	B	C	D	A	B	C	D	C	D
10'-0"	1610	1886	1886	2829						
12'-0"	1342	1572	1572	2358	3143	3143	4715		4715	7074
14'-0"	1150	1347	1347	2021						
16'-0"	1006	1179	1179	1768	2358	2358	3536			
18'-0"	894	1048	1048	1572					3143	4715
20'-0"	805	943	943	1414	1886	1886	2829			

*Bay size shall be measured in between the centers of pairs of diagonals.

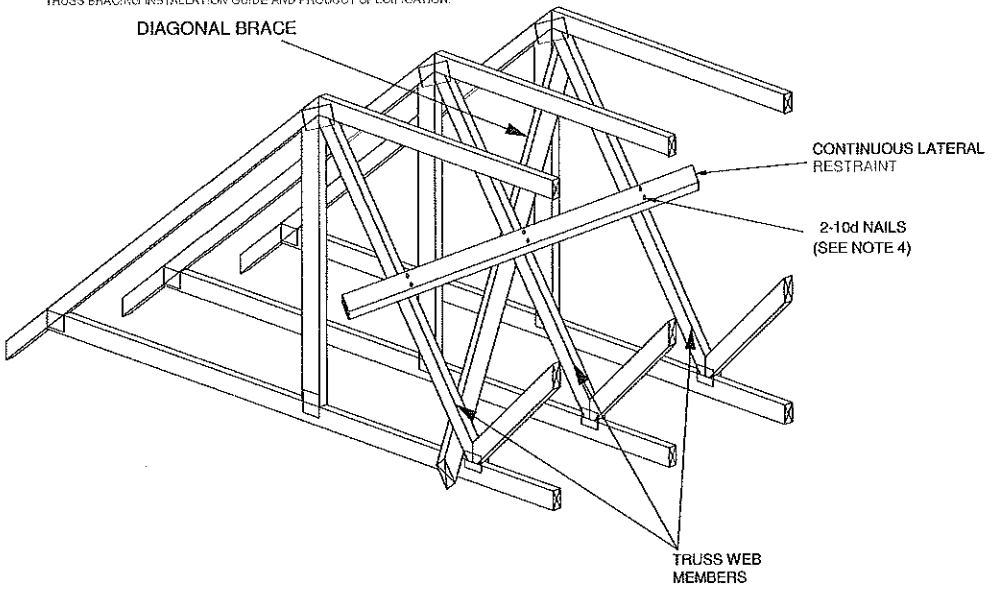
TYPE	BRACING MATERIALS
A	1 X 4 IND. 45 SYP -OR- 1 X 4 #2 SRB (DF, HF, SPF)
B	2 X 3 #3, STD, CONST (SPF, DF, HF, OR SYP)
C	2 X 4 #3, STD, CONST (SPF, DF, HF, OR SYP)
D	2 X 6 #3 OR BETTER (SPF, DF, HF, OR SYP)

GENERAL NOTES

1. DIAGONAL BRACING IS REQUIRED TO TRANSFER THE CUMULATIVE LATERAL BRACE FORCE INTO THE ROOF AND/OR CEILING DIAPHRAGM. THE DIAPHRAGM IS TO BE DESIGNED BY A QUALIFIED PROFESSIONAL.
2. THESE CALCULATIONS ARE BASED ON LATERAL BRACE CARRYING 2% OF THE WEB FORCE.
3. DIAGONAL BRACING MATERIAL MUST BE SAME SIZE AND GRADE OR BETTER, AS THE LATERAL BRACE MATERIAL, AND SHALL BE INSTALLED IN SUCH A MANNER THAT IT INTERSECTS WEB MEMBERS AT APPROX. 45 DEGREES AND SHALL BE NAILED AT EACH END AND EACH INTERMEDIATE TRUSS WITH 2-8d (0.131"x2.5") FOR 1x4 BRACES, 2-10d (0.131"x 3") FOR 2x3 and 2x4 BRACES, AND 3-10d (0.131"x3") FOR 2x6 BRACES.
4. CONNECT LATERAL BRACE TO EACH TRUSS WITH 2-8d (0.131"X2.5") NAILS FOR 1x4 LATERAL BRACES, 2-10d (0.131"x3") NAILS FOR 2x3 and 2x4 LATERAL BRACES, AND 3-10d (0.131"x3") FOR 2x6 LATERAL BRACES.
5. LATERAL BRACE SHOULD BE CONTINUOUS AND SHOULD OVERLAP AT LEAST ONE TRUSS SPACE FOR CONTINUITY.
6. FOR ADDITIONAL GUIDANCE REGARDING DESIGN AND INSTALLATION OF BRACING, CONSULT DSB-89 TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES AND BCSI 1 GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES, JOINTLY PRODUCED BY WOOD TRUSS COUNCIL OF AMERICA and TRUSS PLATE INSTITUTE. www.sbcindustry.com and www.tpinst.org
7. REFER TO SPECIFIC TRUSS DESIGN DRAWING FOR WEB MEMBER FORCE.
8. TABULATED VALUES ARE BASED ON A DOL. = 1.15

FOR STABILIZERS:

FOR A SPACING OF 24" O.C. ONLY, MiTEK "STABILIZER" TRUSS BRACING SYSTEMS CAN BE SUBSTITUTED FOR TYPE A, B, C AND D BRACING MATERIAL. DIAGONAL BRACING FOR STABILIZERS ARE TO BE PROVIDED AT BAY SIZE INDICATED ABOVE. WHERE DIAPHRAGM BRACING IS REQUIRED AT PITCH BREAKS, STABILIZERS MAY BE REPLACED WITH WOOD BLOCKING. SEE "STABILIZER" TRUSS BRACING INSTALLATION GUIDE AND PRODUCT SPECIFICATION.



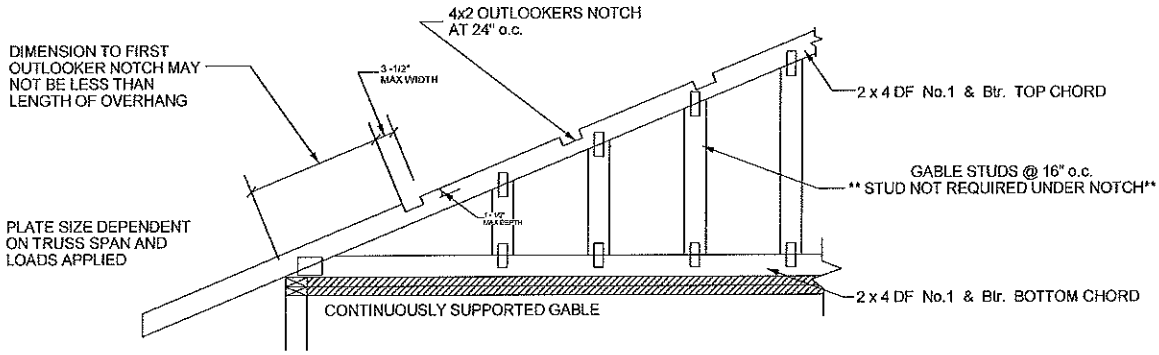
This information is provided as a recommendation to assist in the requirement for permanent bracing of the individual truss web members. Additional bracing may still be required for the stability of the overall roof system. The method shown here is just one method that can be used to provide stability against web buckling.

OUTLOOKER NOTCHING DETAIL

Note: This detail, applies only to continuously supported single ply common style gable end trusses with 2 standard heels and mono style gable end trusses with 1 standard heel, that require notching of the top chord(s) for 4x2 outlookers at 24" o.c. min. With the following design parameters:

A) All common style gable trusses with no lateral load applied.
B) All common style drag trusses with up to 4000# lateral load applied.
C) All mono style drag trusses with up to 2000# lateral load applied.

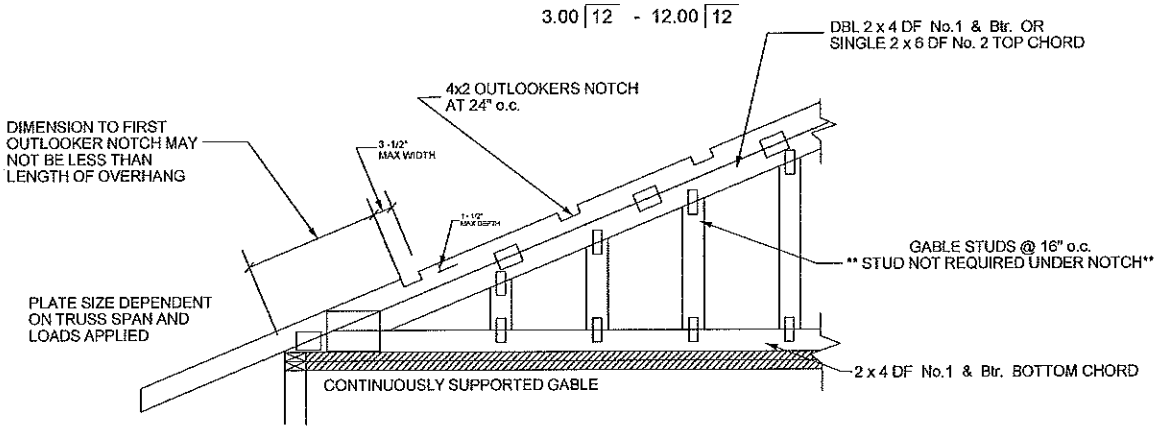
3.00 12 - 12.00 12



Note: This detail, applies only to continuously supported single ply common style gable end trusses with 2 standard heels and mono style gable end trusses with 1 standard heel, that require notching of the top chord(s) for 4x2 outlookers at 24" o.c. min. With the following design parameters:

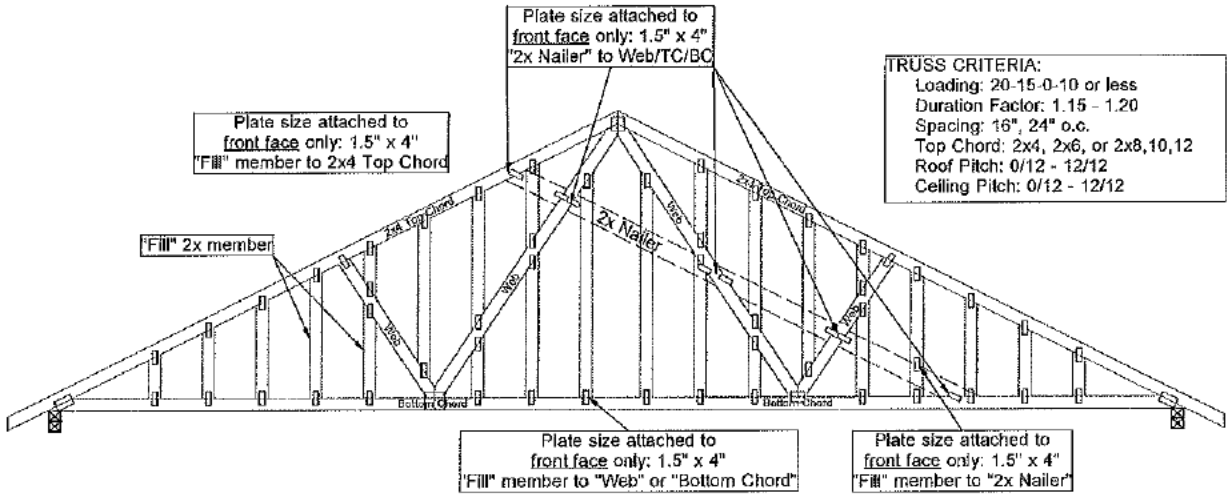
A) All common style gable trusses with no lateral load applied.
B) All common style drag trusses with up to 4001# lateral load applied.
C) All mono style drag trusses with up to 2001# lateral load applied.

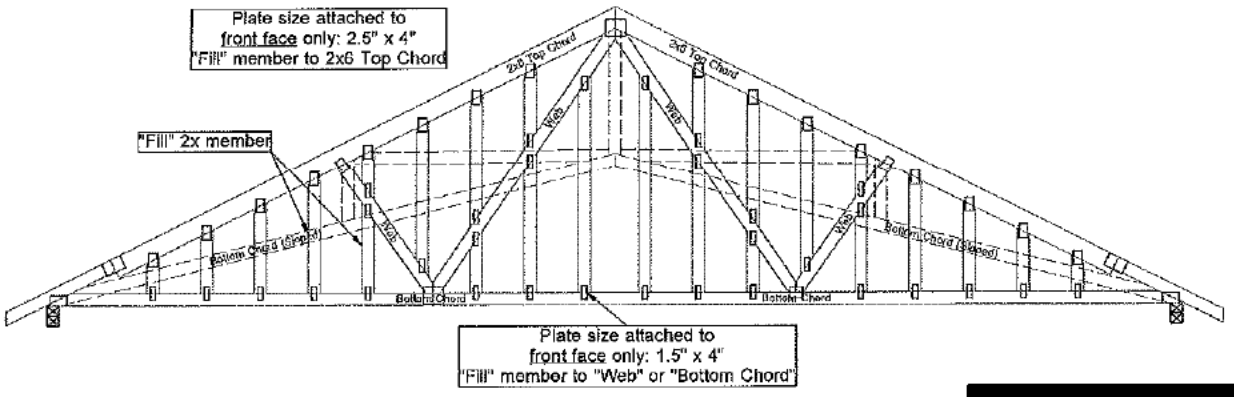
3.00 12 - 12.00 12

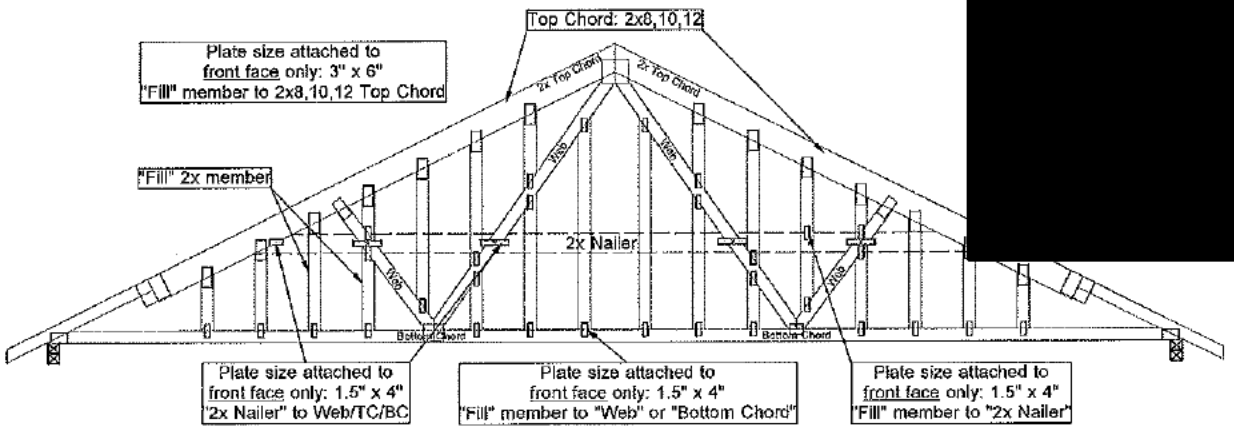


Better Built Truss, Inc.
251 E. Fourth St., CA. 95366 (209) 869-4545 Fax: (209) 599-3255

Stud fill members/Plate Front Face







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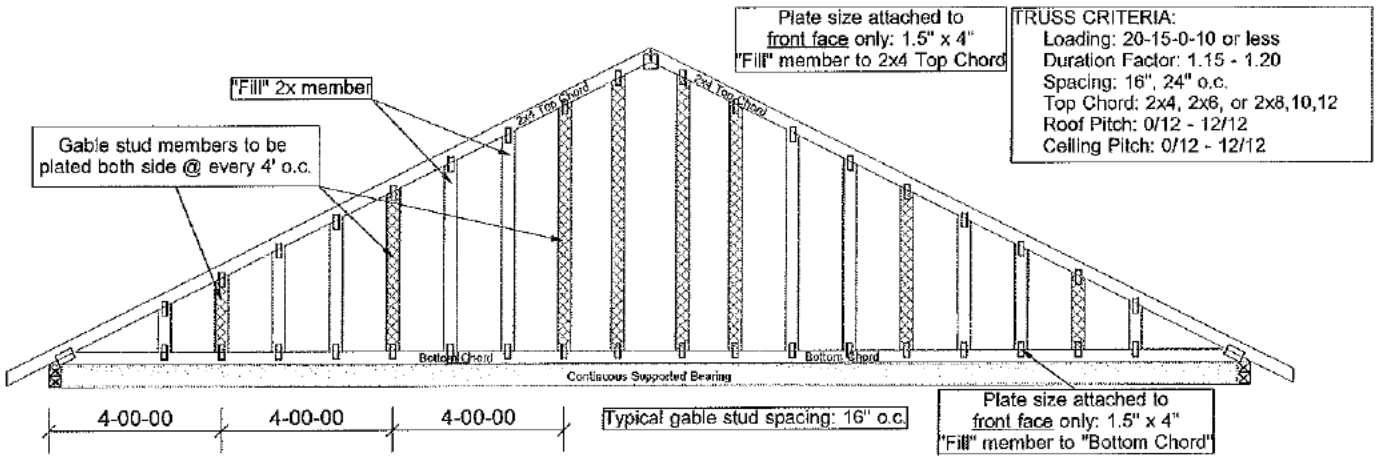
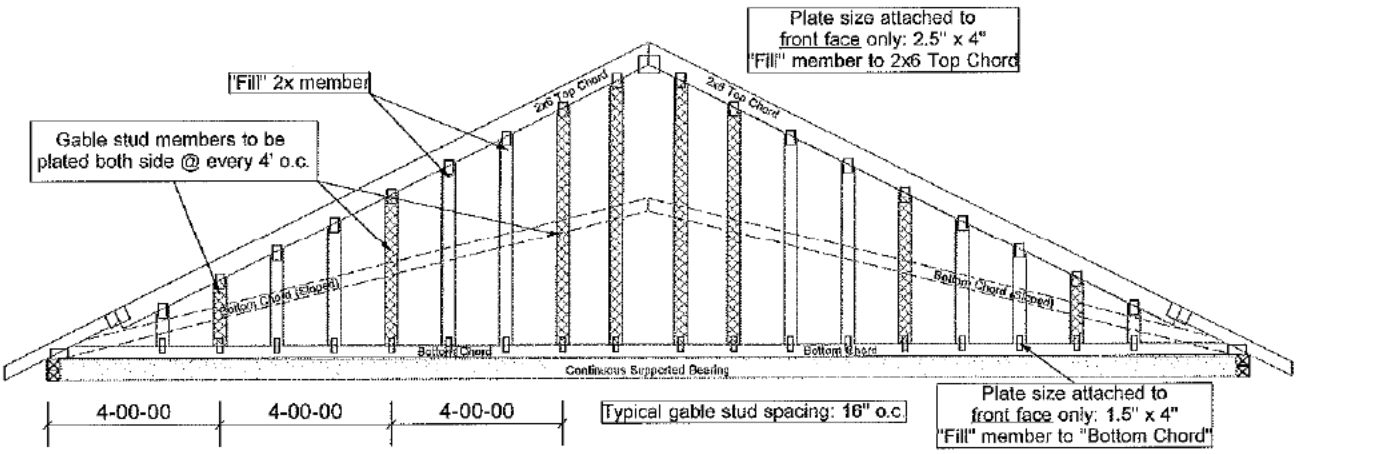
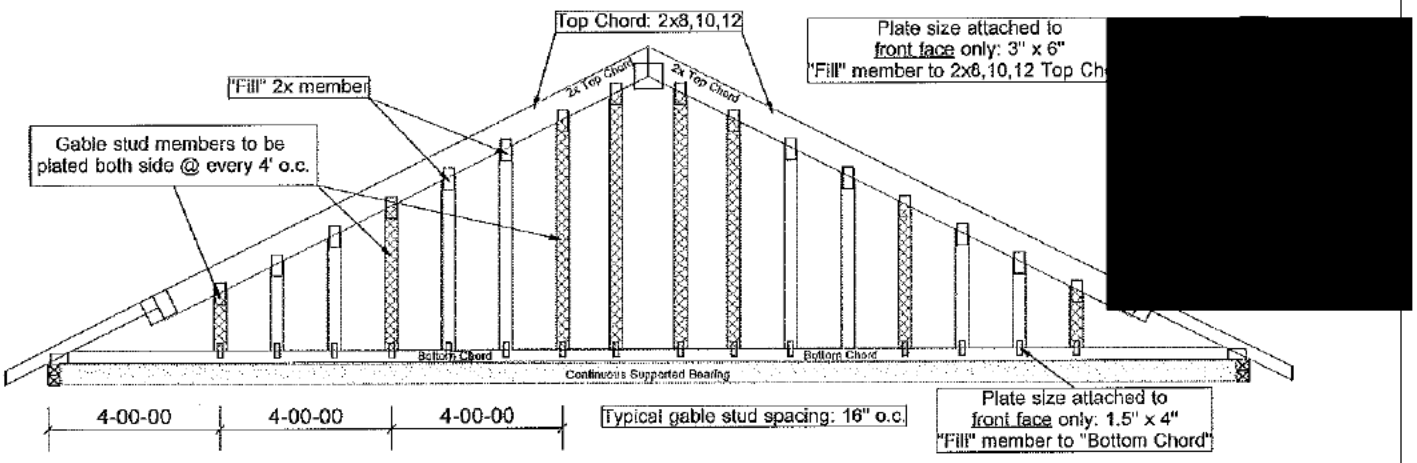
BETTER BUILT TRUSS
251 E. Fourth St. Ripon, CA 95366
Phone #: (209) 869-4545
Fax #: (209) 599-3255

"Gable End Truss" *Continuous Supported Bearing*. Stud fill members/Plate Front Face







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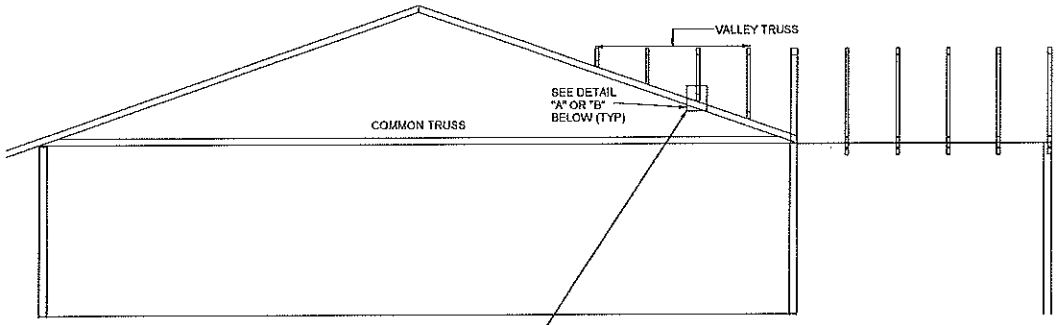
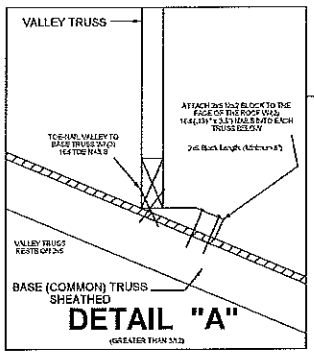
BETTER BUILT TRUSS
251 E. Fourth St. Ripon, CA 95366
Phone #: (209) 869-4545
Fax #: (209) 599-3255

VALLEY TRUSS DETAIL



ATTACHMENT DETAILS FOR VALLEY TRUSS TO ROOF TRUSS



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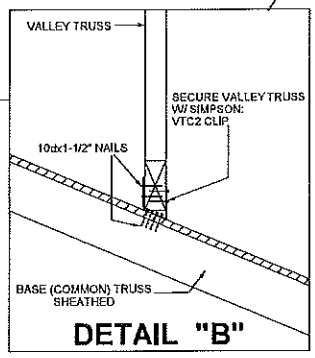
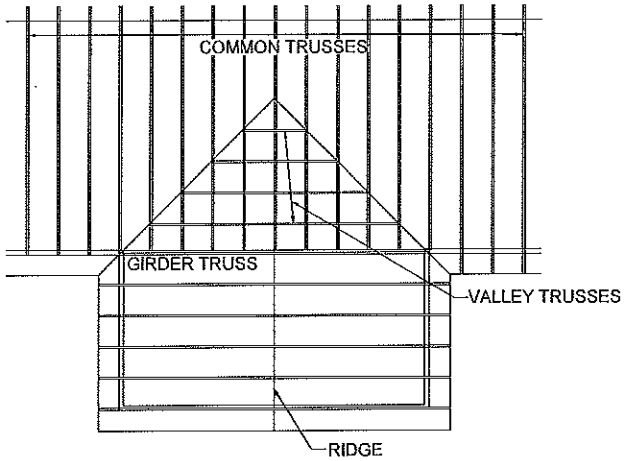
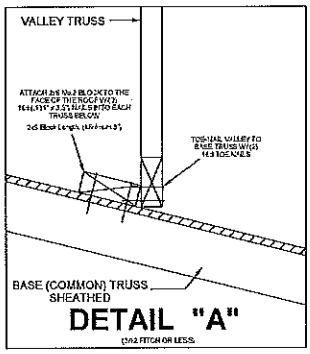
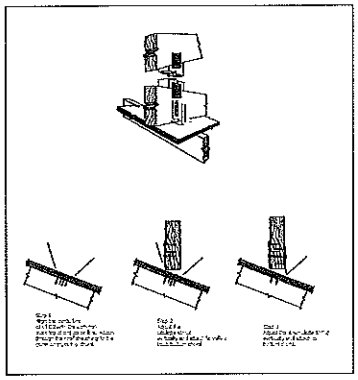


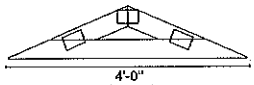


PARTIAL ROOF LAYOUT FOR VALLEY TRUSSES

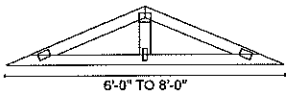


DETAIL "B"
VTC2 INSTALLATION SEQUENCE

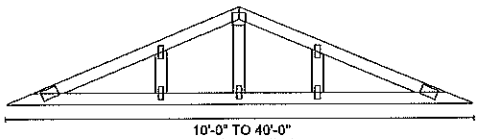




4'-0"
W/O STUD



6'-0" TO 8'-0"
WITH KING POST



10'-0" TO 40'-0"
WITH STUDS @ 4'-0" O.C.

NOTES:

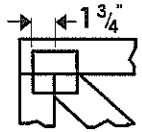
1. PROVIDE LATERAL SUPPORT FOR TOP CHORD WITH SHEATHING, OR PURLIN W/ SPACING CALLED OUT ON ENGINEERING DRAWING.
2. MAX WEB LENGTH WITHOUT BRACE= 7'-9", WITH BRACE= 12'-0".
3. THIS DESIGN CHECKED FOR 120 M.P.H. WIND LOAD.
4. ALL PLATES ARE MITEK 20. GAUGE (SEE ENG. DRAWING FOR SIZES)
5. FOR CONNECTION OF VALLEY TRUSS TO COMMON TRUSS, USE DETAIL "A" OR DETAIL "B".
6. IF TOP CHORD LATERAL BRACING REQUIRED IS LESS THAN SPACING OF VALLEY TRUSSES (24" o.c.) THAN ADDITIONAL 1x4 BRACING IS REQUIRED.
7. LATERAL BRACING SHALL BE NAILED WITH MIN 2-10d NAILS.

Better Built Truss
3312 PATTERSON RD. RIVERBANK, CA 95367
(209) 869-4545 FAX (209) 869-3886

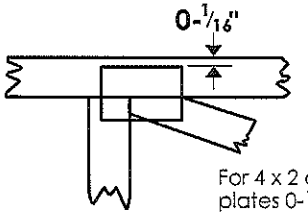
Created By: RS

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

***Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

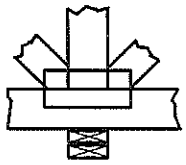
4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

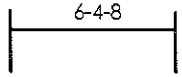


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

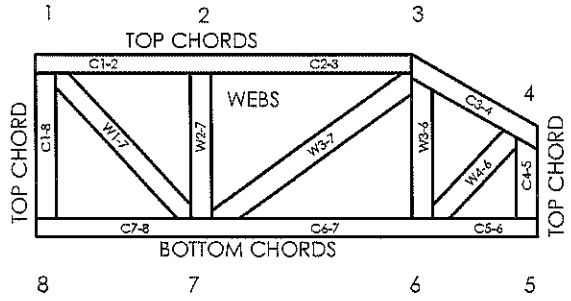
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B,
95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

MiTek®
POWER TO PERFORM.™

MiTek Engineering Reference Sheet: MII-7473 rev. 10-'08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.