



MiTek USA, Inc.

7777 Greenback Lane
Suite 109
Citrus Heights, CA, 95610
Telephone 916/676-1900
Fax 916/676-1909

Re: PAGNILLO-ENG
PAGNILLO

The truss drawing(s) referenced below have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Alliance TruTrus, LLC.

Pages or sheets covered by this seal: R36256401 thru R36256415

My license renewal date is June 30, 2015.

Arizona COA: 11906-0

Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.



April 15, 2013

Tingey, Palmer

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 1.

Job PAGNILLO-ENG	Truss A01	Truss Type QUEENPOST	Qty 1	Ply 1	PAGNILLO	R36256401
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ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:37 2013 Page 1
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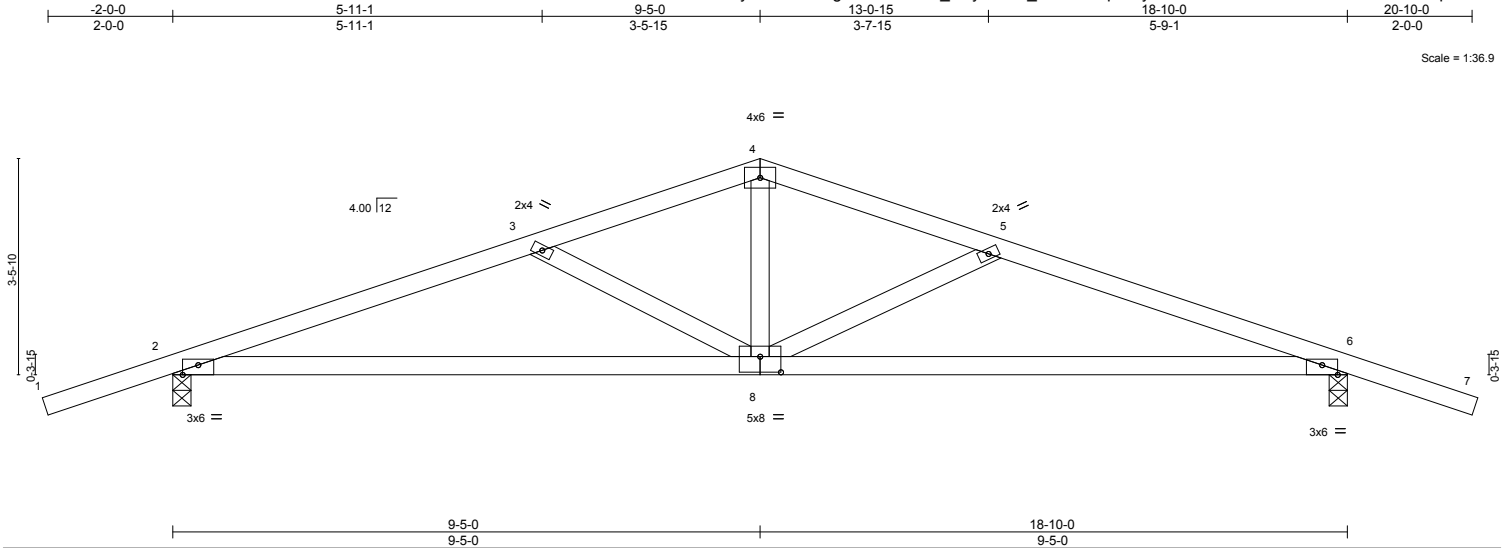


Plate Offsets (X,Y): [2:0-3-0,Edge], [6:0-3-0,Edge], [8:0-4-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.28	Vert(LL)	-0.11	8-11	>999	360	MT20	185/148
TCDL 14.0	Lumber Increase 1.25	BC 0.65	Vert(TL)	-0.32	8-11	>702	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(TL)	0.05	6	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002	(Matrix-M)	Wind(LL)	0.07	8	>999	240	Weight: 63 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF/SPF No.2
BOT CHORD 2x4 HF/SPF No.2
WEBS 2x4 HF/SPF Stud/STD

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-6-0 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=877/0-3-8 (min. 0-1-8), 6=876/0-3-8 (min. 0-1-8)
Max Horz 2=66(LC 4)
Max Uplift 2=-176(LC 6), 6=-176(LC 7)

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

TOP CHORD 2-3=-1480/374, 3-4=-1145/265, 4-5=-1146/264, 5-6=-1493/380
BOT CHORD 2-8=-239/1359, 6-8=-246/1373
WEBS 3-8=-363/186, 4-8=-61/526, 5-8=-373/191

NOTES (9)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph (3-second gust); TCDL=8.4psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=176, 6=176.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC

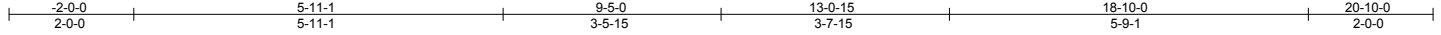


7777 Greenback Lane, Suite 109
Citrus Heights, CA, 95610

Job PAGNILLO-ENG	Truss A01GE	Truss Type GABLE	Qty 1	Ply 1	PAGNILLO	R36256402
Job Reference (optional)						

ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:38 2013 Page 1
ID:dyW0Qhmmg2DNZGbnRF_Qoy858O-SHhJGR2TY7VHa00Ji?DS?J6ENNFI5WuKq_r1X4zQWp7



Scale = 1:36.9

CONN. OF GABLE STUDS BY OTHERS.

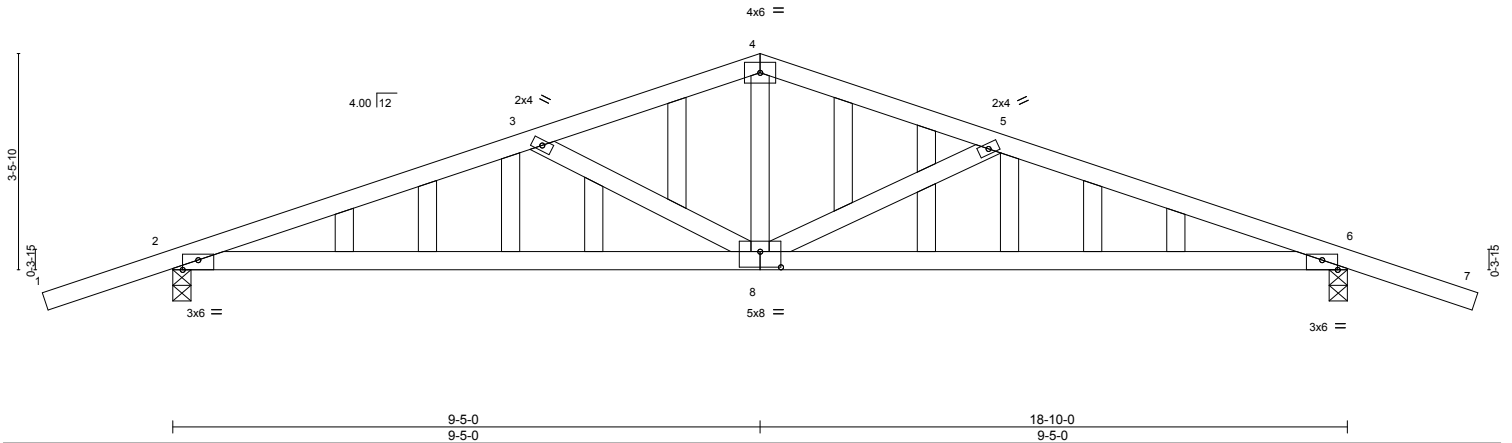


Plate Offsets (X,Y): [2:0-3-0,Edge], [6:0-3-0,Edge], [8:0-4-0,0-3-0]

LOADING (psf)	SPACING		CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25		TC 0.28	Vert(LL) -0.11	8-31	>999	360		MT20	185/148
TCDL 14.0	Lumber Increase 1.25		BC 0.65	Vert(TL) -0.32	8-31	>702	240			
BCLL 0.0 *	Rep Stress Incr YES		WB 0.29	Horz(TL) 0.05	6	n/a	n/a			
BCDL 10.0	Code IRC2006/TPI2002		(Matrix-M)	Wind(LL) 0.07	8	>999	240		Weight: 79 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF/SPF No.2
BOT CHORD 2x4 HF/SPF No.2
WEBS 2x4 HF/SPF Stud/STD
OTHERS 2x4 HF/SPF Stud/STD

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-6-0 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=877/0-3-8 (min. 0-1-8), 6=876/0-3-8 (min. 0-1-8)
Max Horz 2=66(LC 4)
Max Uplift 2=-176(LC 6), 6=-176(LC 7)

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

TOP CHORD 2-3=-1480/374, 3-4=-1145/265, 4-5=-1146/264, 5-6=-1493/380
BOT CHORD 2-8=-239/1359, 6-8=-246/1373
WEBS 3-8=-363/186, 4-8=-61/526, 5-8=-373/191

NOTES (11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph (3-second gust); TCDL=8.4psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=176, 6=176.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015

April 15,2013

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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC



7777 Greenback Lane, Suite 109
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Job PAGNILLO-ENG	Truss A02	Truss Type QUEENPOST	Qty 1	Ply 1	PAGNILLO	R36256403
Job Reference (optional)						

ALLIANCE TRUSS, Tempe, 85282

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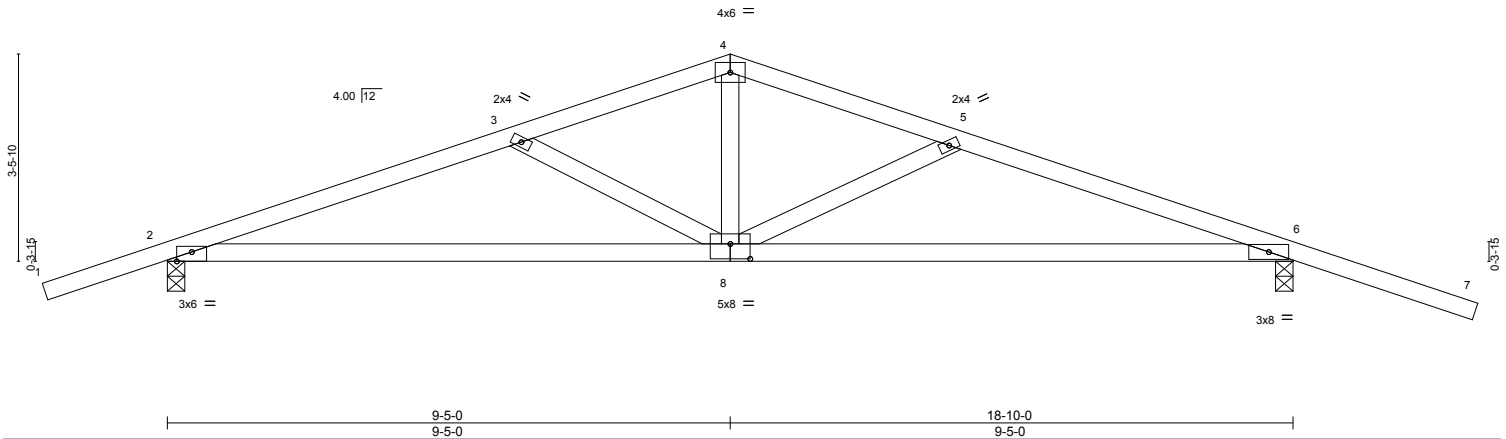


Plate Offsets (X,Y): [2:0-3-0,Edge], [8:0-4-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.61	Vert(LL)	-0.11	8-11	>999	360	MT20	185/148
TCDL 14.0	Lumber Increase 1.25	BC 0.64	Vert(TL)	-0.32	8-11	>698	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(TL)	0.05	6	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002	(Matrix-M)	Wind(LL)	0.07	8-11	>999	240	Weight: 64 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF/SPF No.2
BOT CHORD 2x4 HF/SPF No.2
WEBS 2x4 HF/SPF Stud/STD

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 2=874/0-3-8 (min. 0-1-8), 6=938/0-3-8 (min. 0-1-9)
Max Horz 2=-85(LC 5)
Max Uplift 2=-176(LC 6), 6=-219(LC 7)

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

TOP CHORD 2-3=-1471/365, 3-4=-1135/256, 4-5=-1136/254, 5-6=-1474/360
BOT CHORD 2-8=-206/1350, 6-8=-201/1352
WEBS 3-8=-363/187, 4-8=-52/522, 5-8=-360/178

NOTES (9)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph (3-second gust); TCDL=8.4psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=176, 6=219.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015

April 15, 2013

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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC



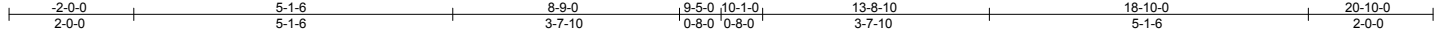
7777 Greenback Lane, Suite 109
Citrus Heights, CA, 95610

Job PAGNILLO-ENG	Truss A02GE	Truss Type GABLE	Qty 1	Ply 1	PAGNILLO	R36256404
Job Reference (optional)						

ALLIANCE TRUSS, Tempe, 85282

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Scale = 1:36.9

CONN. OF GABLE STUDS BY OTHERS.

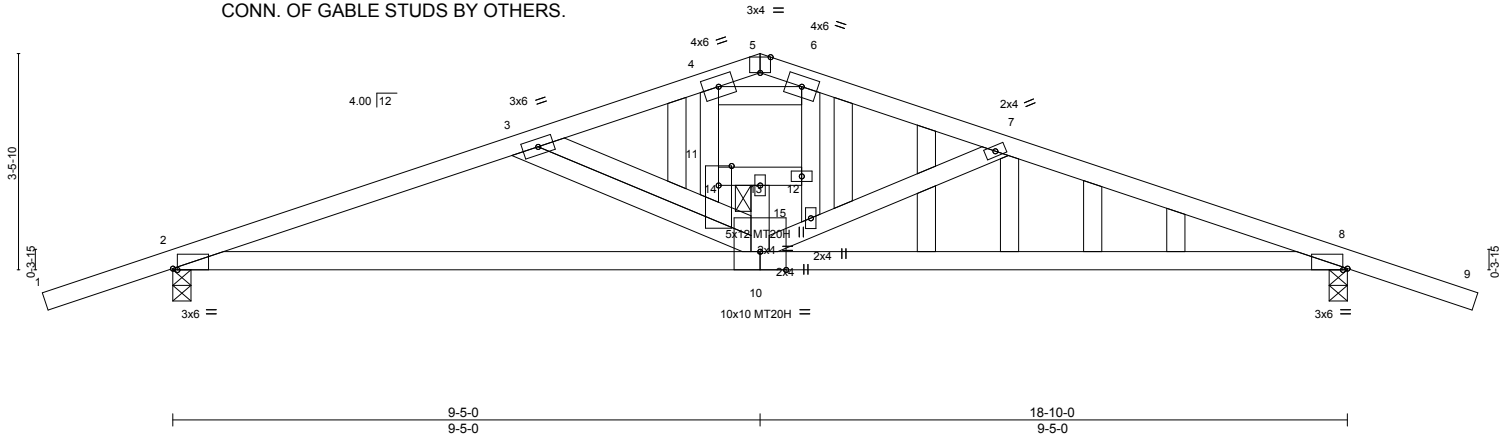


Plate Offsets (X,Y): [2:0-0-14,Edge], [5:0-2-0,Edge], [8:0-0-14,Edge], [11:0-3-12,0-2-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.32	Vert(LL)	-0.16	8-10	>999	360	MT20	185/148
TCDL 14.0	Lumber Increase 1.25	BC 0.79	Vert(TL)	-0.47	2-10	>476	240	MT20H	139/111
BCLL 0.0 *	Rep Stress Incr YES	WB 0.93	Horz(TL)	0.06	8	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002	(Matrix)	Wind(LL)	0.08	10	>999	240		
								Weight: 83 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF/SPF No.2
BOT CHORD 2x4 HF/SPF No.2
WEBS 2x4 HF/SPF Stud/STD
OTHERS 2x4 HF/SPF Stud/STD

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 13

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

REACTIONS (lb/size) 2=873/0-3-8 (min. 0-1-8), 8=873/0-3-8 (min. 0-1-8)
Max Horz 2=65(LC 4)
Max Uplift 2=182(LC 6), 8=182(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1577/322, 3-4=-1217/221, 6-7=-1218/220, 7-8=-1583/325
BOT CHORD 2-10=-190/1441, 8-10=-194/1447
WEBS 3-14=-382/163, 10-14=-286/164, 10-15=-316/166, 7-15=-372/164, 4-6=-893/227,
10-13=-40/399, 4-11=-7/341, 6-12=0/271

NOTES (12)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph (3-second gust); TCDL=8.4psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
- All plates are MT20 plates unless otherwise indicated.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=182, 8=182.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC

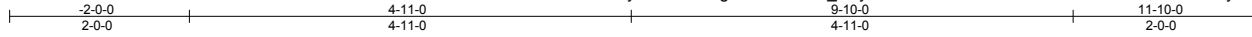


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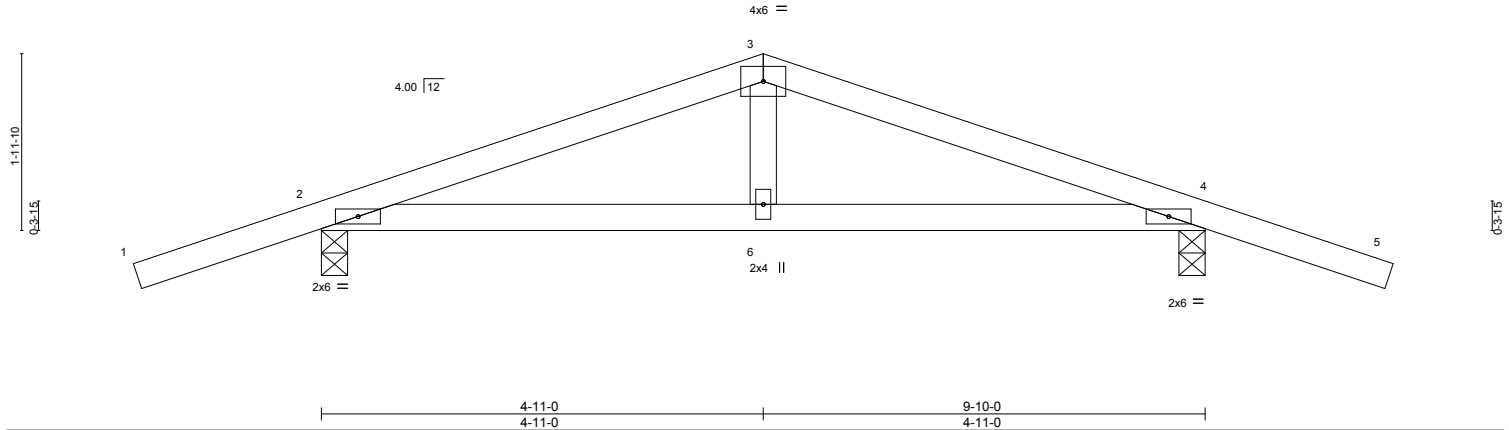
Job PAGNILLO-ENG	Truss A03	Truss Type KINGPOST	Qty 1	Ply 1	PAGNILLO	R36256405
Job Reference (optional)						

ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:41 2013 Page 1
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Scale = 1/25.6



LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.28	Vert(LL) -0.01	6-9	>999	360	MT20	185/148
TCDL 14.0	Lumber Increase 1.25	BC 0.20	Vert(TL) -0.04	6-9	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(TL) 0.01	4	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002	(Matrix-M)	Wind(LL) 0.01	6	>999	240	Weight: 30 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF/SPF No.2
BOT CHORD 2x4 HF/SPF No.2
WEBS 2x4 HF/SPF Stud/STD

BRACING

TOP CHORD
BOT CHORD

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

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

REACTIONS (lb/size) 2=516/0-3-8 (min. 0-1-8), 4=516/0-3-8 (min. 0-1-8)
Max Horz 2=-46(LC 5)
Max Uplift 2=-137(LC 6), 4=-137(LC 7)

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

TOP CHORD 2-3=-568/153, 3-4=-568/153
BOT CHORD 2-6=-30/500, 4-6=-30/500

NOTES (9)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph (3-second gust); TCDL=8.4psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=137, 4=137.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



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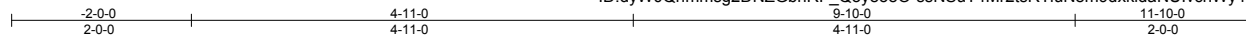


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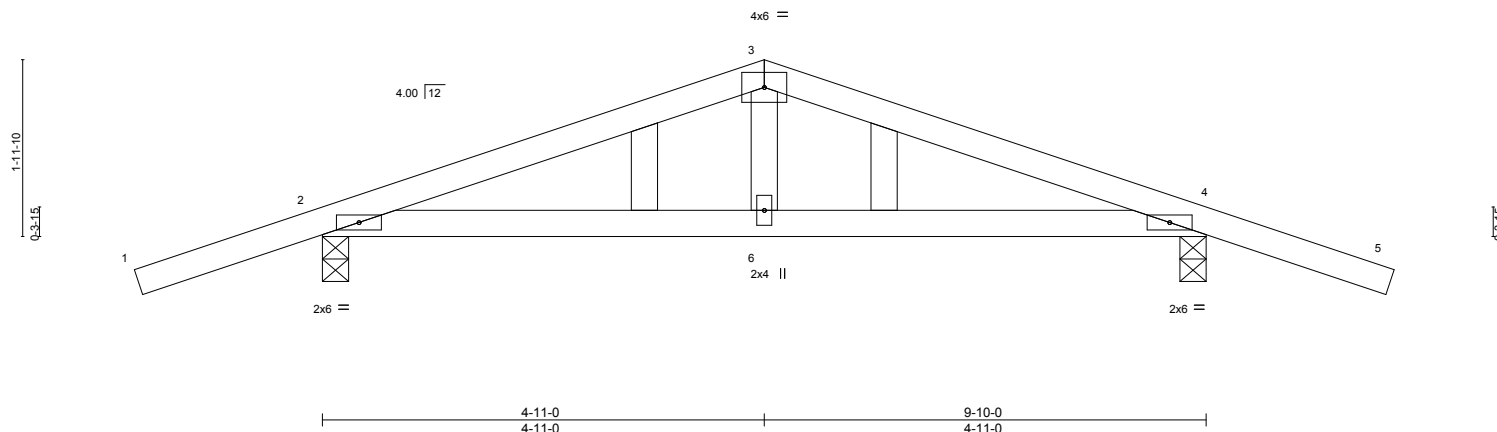
Job PAGNILLO-ENG	Truss A03GE	Truss Type GABLE	Qty 1	Ply 1	PAGNILLO	R36256406
Job Reference (optional)						

ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:41 2013 Page 1
ID:dyW0Qhmmmsg2DNZGbnRF_Qoy858O-ssNSuT4Mr2tsRTluN8m9dxkldaNUlvcnWy4h8PzQWp4



CONN. OF GABLE STUDS BY OTHERS.



LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.28	Vert(LL) -0.01	6-13	>999	360	MT20	185/148
TCDL 14.0	Lumber Increase 1.25	BC 0.20	Vert(TL) -0.04	6-13	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(TL) 0.01	4	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002	(Matrix-M)	Wind(LL) 0.01	6	>999	240	Weight: 33 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF/SPF No.2
BOT CHORD 2x4 HF/SPF No.2
WEBS 2x4 HF/SPF Stud/STD
OTHERS 2x4 HF/SPF Stud/STD

BRACING

TOP CHORD
BOT CHORD

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

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

REACTIONS (lb/size) 2=516/0-3-8 (min. 0-1-8), 4=516/0-3-8 (min. 0-1-8)
Max Horz 2=-46(LC 5)
Max Uplift 2=-137(LC 6), 4=-137(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-568/153, 3-4=-568/153
BOT CHORD 2-6=-30/500, 4-6=-30/500

NOTES (11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph (3-second gust); TCDL=8.4psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=137, 4=137.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC



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Job PAGNILLO-ENG	Truss FL01	Truss Type GABLE	Qty 1	Ply 1	PAGNILLO R36256407
Job Reference (optional)					

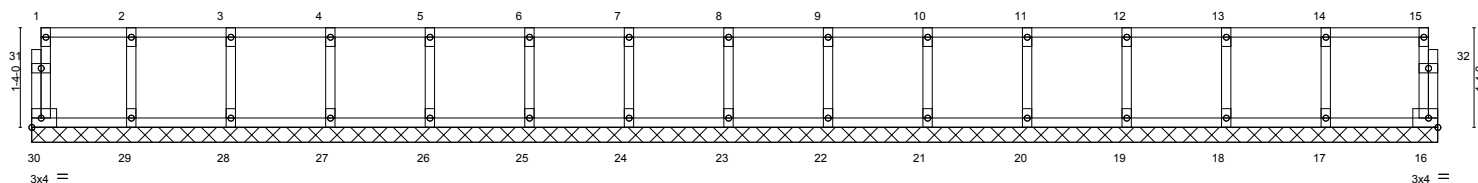
ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:43 2013 Page 1
ID:DrhhE1mld8XqTykuAB458ly84NL-pEUCJ85cNf8agnvHUYodiMq7HO6smqE3_GZoDHzQWp2

0-1-8

0-1-8

Scale = 1:30.9



1-4-0		2-8-0		4-0-0		5-4-0		6-8-0		8-0-0		9-4-0		10-8-0		12-0-0		13-4-0		14-8-0		16-0-0		17-4-0		18-10-0	
1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-4-0		1-6-0	
LOADING (psf)				SPACING 1-4-0				CSI				DEFL		in (loc)		l/defl		L/d				PLATES		GRIP			
TCLL 40.0				Plates Increase 1.00				TC 0.07				Vert(LL)		n/a -		n/a		999				MT20		185/148			
TCDL 15.0				Lumber Increase 1.00				BC 0.01				Vert(TL)		n/a -		n/a		999									
BCLL 0.0				Rep Stress Incr YES				WB 0.03				Horz(TL)		0.00 16		n/a		n/a									
BCDL 6.0				Code IRC2006/TPI2002				(Matrix)														Weight: 65 lb		FT = 10%F, 10%E			

LUMBER

TOP CHORD 2x4 HF/SPF No.2(flat)
BOT CHORD 2x4 HF/SPF No.2(flat)
WEBS 2x4 HF/SPF Stud/STD(flat)
OTHERS 2x4 HF/SPF Stud/STD(flat)

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.

TRUSS TO BE FULLY SHEATHED FROM ONE FACE OR SECURELY
BRACED AGAINST LATERAL MOVEMENT (I.E. DIAGONAL WEB).

REACTIONS

All bearings 18-10-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17

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

NOTES (7)

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Gable studs spaced at 1-4-0 oc.
- 4) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC



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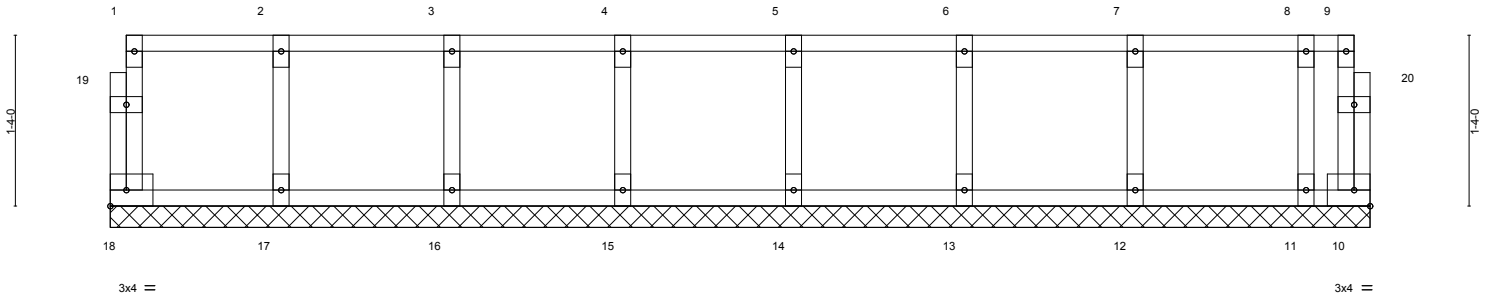
Job PAGNILLO-ENG	Truss FL05	Truss Type GABLE	Qty 1	Ply 1	PAGNILLO Job Reference (optional)	R36256408
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ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:43 2013 Page 1
ID:DrhhE1mld8XqTykuAB458ly84NL-pEUCJ85cNf8agnvHUYodiMq8iO6pmqE3_GZoDHZQWp2

0.1-8

Scale = 1:18.0



1-4-0 1-4-0	2-8-0 1-4-0	4-0-0 1-4-0	5-4-0 1-4-0	6-8-0 1-4-0	8-0-0 1-4-0	9-4-0 1-4-0	9-10-0 0-6-0
LOADING (psf)	SPACING 1-4-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP		
TCLL 40.0	Plates Increase 1.00	TC 0.05	Vert(LL) n/a - n/a 999	MT20	185/148		
TCDL 15.0	Lumber Increase 1.00	BC 0.02	Vert(TL) n/a - n/a 999				
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(TL) 0.00 10 n/a n/a				
BCDL 6.0	Code IRC2006/TPI2002	(Matrix)		Weight: 36 lb	FT = 10%F, 10%E		

LUMBER

TOP CHORD 2x4 HF/SPF No.2(flat)
BOT CHORD 2x4 HF/SPF No.2(flat)
WEBS 2x4 HF/SPF Stud/STD(flat)
OTHERS 2x4 HF/SPF Stud/STD(flat)

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.

REACTIONS

All bearings 9-10-0.

TRUSS TO BE FULLY SHEATHED FROM ONE FACE OR SECURELY
BRACED AGAINST LATERAL MOVEMENT (I.E. DIAGONAL WEB).

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

NOTES (7)

- All plates are 1.5x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013

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0-4-0

0-1-8
Scale = 1:30.6

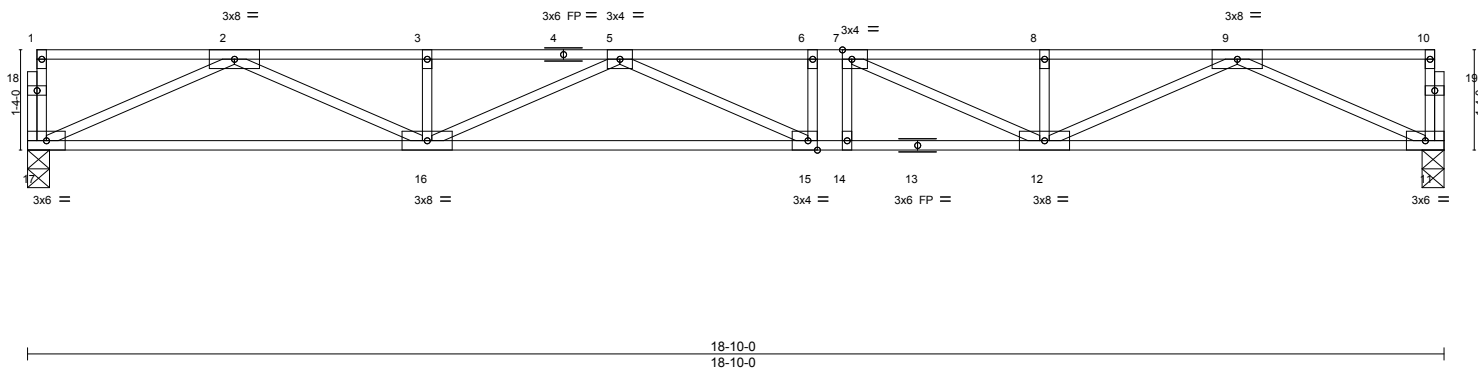


Plate Offsets (X,Y): [7:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)	SPACING 1-4-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.46	Vert(LL) -0.24 15-16 >926 480	MT20	185/148
TCDL 15.0	Lumber Increase 1.00	BC 0.89	Vert(TL) -0.46 15-16 >485 240		
BCLL 0.0	Rep Stress Incr YES	WB 0.72	Horz(TL) 0.08 11 n/a n/a		
BCDL 6.0	Code IRC2006/TPI2002	(Matrix)		Weight: 76 lb	FT = 10%F, 10%E

LUMBER

TOP CHORD 2x4 HF/SPF No.2(flat)
BOT CHORD 2x4 HF/SPF No.2(flat)
WEBS 2x4 HF/SPF Stud/STD(flat)

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.

REACTIONS (lb/size) 17=751/0-3-8 (min. 0-1-8). 11=751/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-2378/0, 3-4=-2378/0, 4-5=-2378/0, 5-6=-2873/0, 6-7=-2873/0, 7-8=-2373/0, 8-9=-2373/0
BOT CHORD 16-17=0/1434, 15-16=0/2845, 14-15=0/2873, 13-14=0/2873, 12-13=0/2873, 11-12=0/1431
WEBS 2-17=-1575/0, 2-16=0/1044, 5-16=-516/0, 5-15=-200/275, 9-11=-1571/0, 9-12=0/1041, 7-12=-635/0

NOTES (6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013



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Job PAGNILLO-ENG	Truss FT02	Truss Type FLOOR	Qty 1	Ply 1	PAGNILLO Job Reference (optional)	R36256410
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ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:45 2013 Page 1
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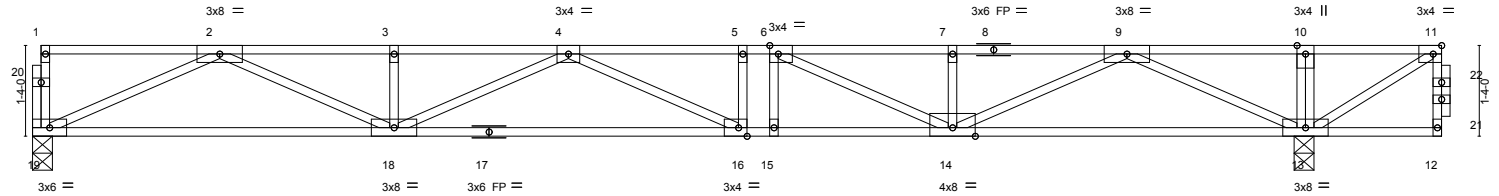
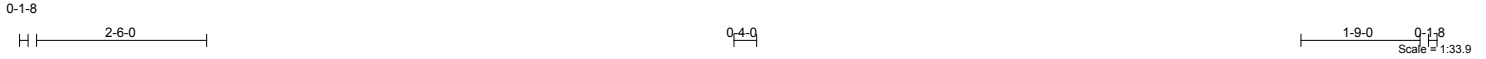


Plate Offsets (X, Y):	[6:0-1-8, Edge], [11:0-1-8, Edge], [16:0-1-8, Edge]
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LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.51	Vert(LL)	-0.24 16-18	>929	480	MT20	185/148
TCDL 15.0	Lumber Increase 1.00	BC 0.95	Vert(TL)	-0.44 16-18	>503	240		
BCLL 0.0	Rep Stress Incr NO	WB 0.77	Horz(TL)	0.07 13	n/a	n/a		
BCDL 6.0	Code IRC2006/TPI2002	(Matrix)					Weight: 85 lb	FT = 10%F, 10%E

LUMBER	BRACING
TOP CHORD 2x4 HF/SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 HF/SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 HF/SPF Stud/STD(flat)	

REACTIONS (lb/size) 19=716/0-3-8 (min. 0-1-8), 13=1199/0-3-8 (min. 0-1-8)
Max Grav 19=738(LC 2), 13=1199(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2324/0, 3-4=-2324/0, 4-5=-2763/0, 5-6=-2763/0, 6-7=-2228/0, 7-8=-2228/0, 8-9=-2228/0, 9-10=0/497, 10-11=0/495
BOT CHORD 18-19=0/1407, 17-18=0/2763, 16-17=0/2763, 15-16=0/2763, 14-15=0/2763, 13-14=0/1263
WEBS 2-19=-1544/0, 2-18=0/1014, 4-18=-486/0, 4-16=-288/244, 9-13=-1587/0, 9-14=0/1122, 6-14=-734/0, 11-13=-581/0

- NOTES** (9)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 3) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 4) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 250 lb down at 20-7-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 9) This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-8, 1-11=-73
Concentrated Loads (lb)
Vert: 11=-250(F)

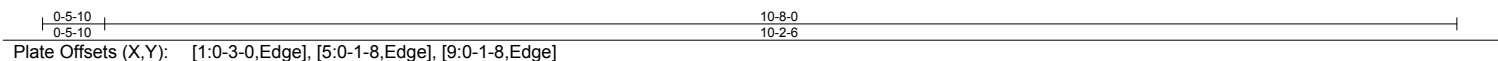


Expires: 6-30-2015
April 15, 2013

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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC

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7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:46 2013 Page 1
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LUMBER		BRACING	
TOP CHORD	2x4 HF/SPF No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 HF/SPF No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 HF/SPF Stud/STD(flat)		

REACTIONS (lb/size) 7=407/0-3-8 (min. 0-1-8), 1=407/0-5-2 (min. 0-1-8)

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

TOP CHORD 1-2=-443/0, 2-3=-442/0, 3-4=-750/0, 4-5=-750/0
BOT CHORD 9-10=0/832, 8-9=0/750, 7-8=0/750
WEBS 3-10=-432/0, 5-7=-822/0, 1-10=0/575

NOTES (7)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 3) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0" oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 6) CAUTION, Do not erect truss backwards.
- 7) This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013



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Citrus Heights, CA 95610

Job PAGNILLO-ENG	Truss FT04	Truss Type FLOOR	Qty 1	Ply 1	PAGNILLO	R36256412
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ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:46 2013 Page 1
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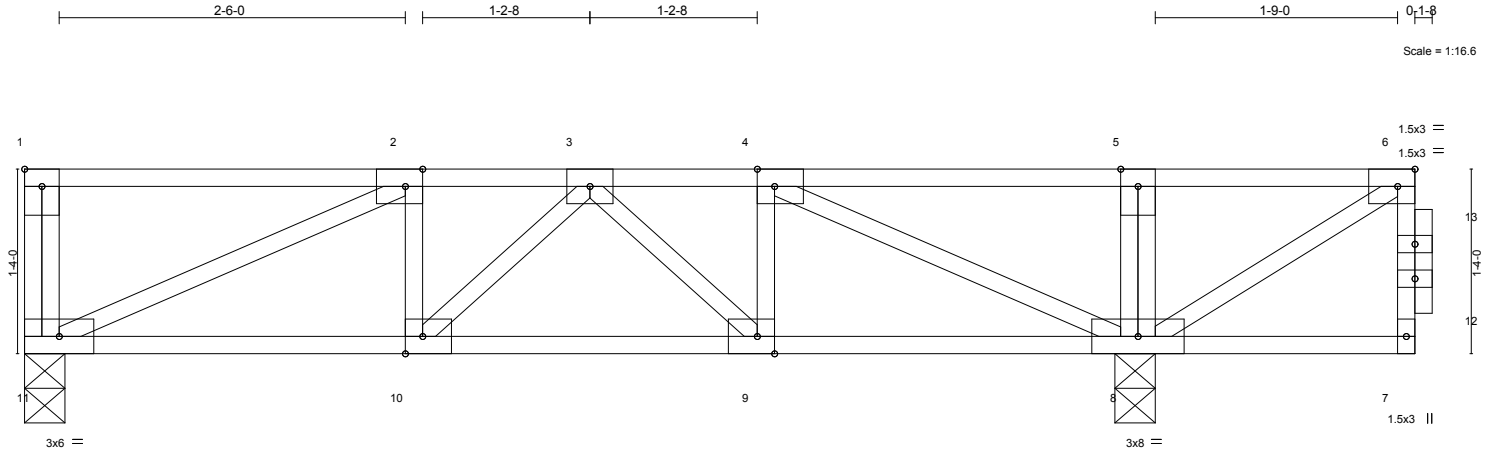


Plate Offsets (X,Y): [1:Edge,0-1-8], [2:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.46	Vert(LL)	-0.01	9-10	>999	480	MT20	185/148
TCDL 15.0	Lumber Increase 1.00	BC 0.17	Vert(TL)	-0.02	9-10	>999	240		
BCLL 0.0	Rep Stress Incr NO	WB 0.23	Horz(TL)	0.01	8	n/a	n/a		
BCDL 6.0	Code IRC2006/TPI2002	(Matrix)						Weight: 46 lb	FT = 10%F, 10%E

LUMBER

TOP CHORD 2x4 HF/SPF No.2(flat)
BOT CHORD 2x4 HF/SPF No.2(flat)
WEBS 2x4 HF/SPF Stud/STD(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 7-8.

REACTIONS (lb/size) 11=240/0-3-8 (min. 0-1-8), 8=812/0-3-8 (min. 0-1-8)
Max Grav 11=293(LC 2), 8=812(LC 1)

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

TOP CHORD 2-3=-452/3, 3-4=-380/186, 4-5=0/505, 5-6=0/503
BOT CHORD 10-11=-3/452, 9-10=-89/423, 8-9=-186/380
WEBS 2-11=-495/4, 4-8=-694/0, 6-8=-591/0

NOTES (9)

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x4 MT20 unless otherwise indicated.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 250 lb down at 9-11-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard

- Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-8, 1-6=-73
Concentrated Loads (lb)
Vert: 6=-250(F)



Expires: 6-30-2015
April 15,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC



7777 Greenback Lane, Suite 109
Citrus Heights, CA, 95610

Job PAGNILLO-ENG	Truss FT05	Truss Type FLOOR	Qty 1	Ply 1	PAGNILLO	R36256413
Job Reference (optional)						

ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:47 2013 Page 1
ID:DrhhE1mld8XqTykuAB458ly84NL-h?kj8W97Que09OC2jOtZsC_in?LuiaSfvuX0M3zQWp_

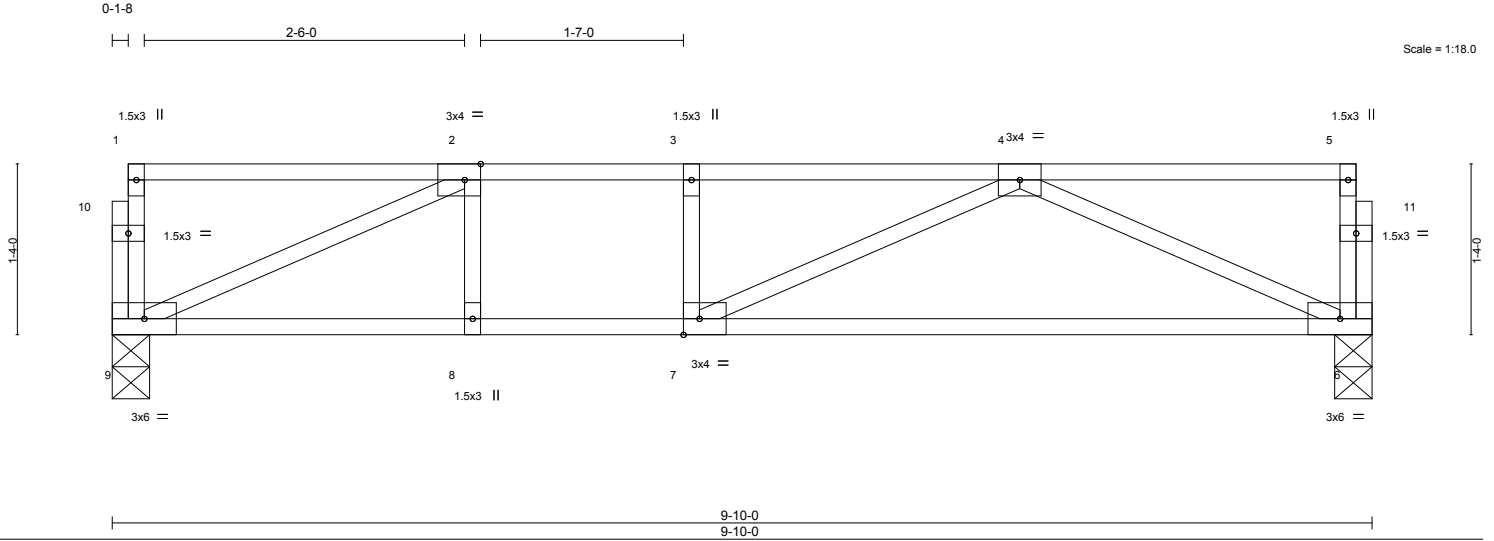


Plate Offsets (X,Y): [2:0-1-8,Edge], [7:0-1-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.52	Vert(LL)	-0.12	6-7	>924	480	MT20	185/148
TCDL 15.0	Lumber Increase 1.00	BC 0.52	Vert(TL)	-0.28	6-7	>414	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.27	Horz(TL)	0.01	6	n/a	n/a		
BCDL 6.0	Code IRC2006/TPI2002	(Matrix)						Weight: 39 lb	FT = 10%F, 10%E

LUMBER

TOP CHORD 2x4 HF/SPF No.2(flat)
BOT CHORD 2x4 HF/SPF No.2(flat)
WEBS 2x4 HF/SPF Stud/STD(flat)

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.

REACTIONS (lb/size) 6=385/0-3-8 (min. 0-1-8), 9=385/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-731/0, 3-4=-731/0
BOT CHORD 8-9=0/731, 7-8=0/731, 6-7=0/641
WEBS 4-6=-702/0, 2-9=-798/0

NOTES (5)

- Unbalanced floor live loads have been considered for this design.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC

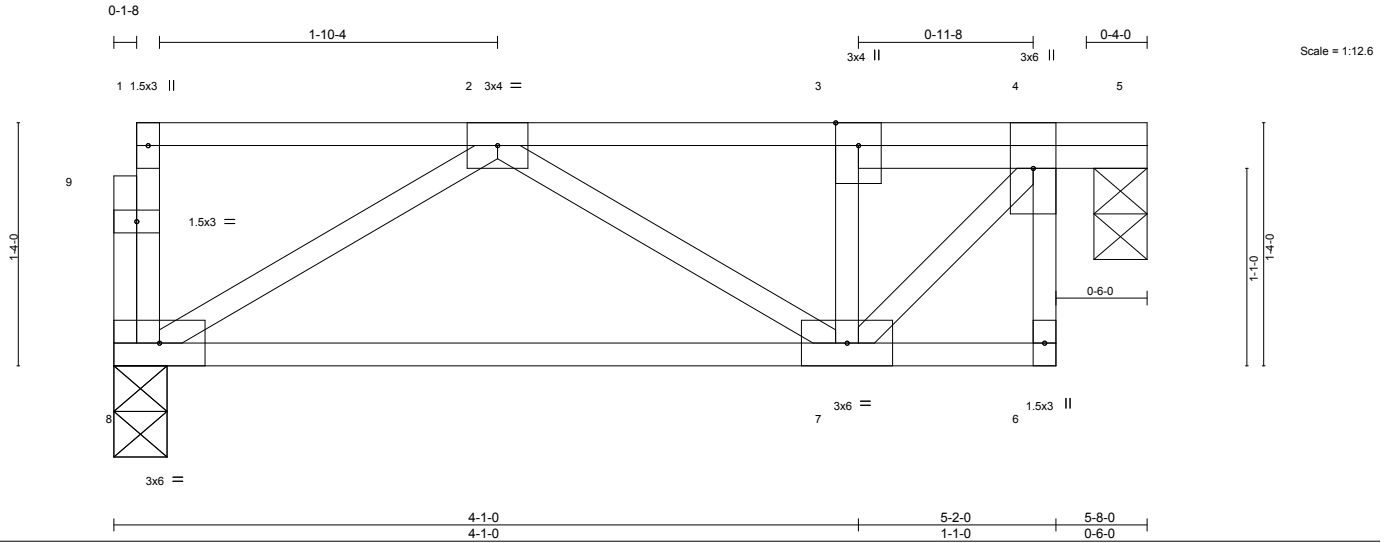


7777 Greenback Lane, Suite 109
Citrus Heights, CA, 95610

Job PAGNILLO-ENG	Truss FT06	Truss Type FLOOR	Qty 1	Ply 1	PAGNILLO	R36256414
Job Reference (optional)						

ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:48 2013 Page 1
ID:DrhhE1mld8XqTykuAB458ly84NL-9CI5Ms9lBBmsmYnEH6OoPQXxBPnCR21p7YGZtVzQWoz



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.32	Vert(LL)	-0.01	6	>999	480	MT20	185/148
TCDL 15.0	Lumber Increase 1.00	BC 0.13	Vert(TL)	-0.04	7-8	>999	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.25	Horz(TL)	0.01	5	n/a	n/a		
BCDL 6.0	Code IRC2006/TPI2002	(Matrix)						Weight: 26 lb	FT = 10%F, 10%E

LUMBER

TOP CHORD 2x4 HF/SPF No.2(flat)
BOT CHORD 2x4 HF/SPF No.2(flat)
WEBS 2x4 HF/SPF Stud/STD(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 8=221/0-3-8 (min. 0-1-8), 8=221/0-3-8 (min. 0-1-8), 5=221/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-289/0, 4-7=0/360

NOTES (6)

- 1) Non Standard bearing condition. Review required.
- 2) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 3) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC

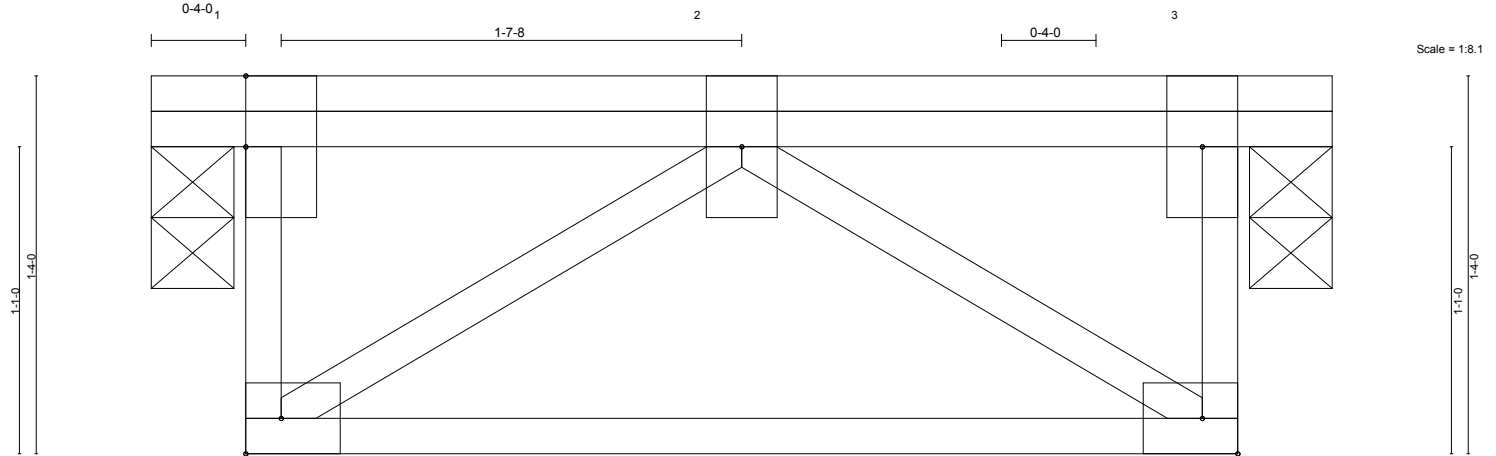


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Citrus Heights, CA, 95610

Job PAGNILLO-ENG	Truss FT07	Truss Type FLOOR	Qty 1	Ply 1	PAGNILLO	R36256415
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ALLIANCE TRUSS, Tempe, 85282

7.350 s Sep 26 2012 MiTek Industries, Inc. Mon Apr 15 06:48:48 2013 Page 1
ID:DrnhE1mld8XqTykuAB458ly84NL-9CI5Ms9IBBmsmYnEH600PQX_cPnyR5_p7YGZtVzQWoz



0-4-0 0-4-0s	3x4 =	3-10-0 3-6-0	3x4 =	4-2-0 0-4-0
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Plate Offsets (X,Y): [1:0-3-0,0-0-0]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.10	Vert(LL)	-0.00	5	>999	480	MT20	185/148
TCDL 15.0	Lumber Increase 1.00	BC 0.15	Vert(TL)	-0.04	4-5	>978	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.06	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 6.0	Code IRC2006/TPI2002	(Matrix)						Weight: 20 lb	FT = 10%F, 10%E

LUMBER	BRACING
TOP CHORD 2x4 HF/SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 HF/SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 HF/SPF Stud/STD(flat)	

REACTIONS (lb/size) 1=206/0-3-8 (min. 0-1-8), 3=206/0-3-8 (min. 0-1-8)

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

- NOTES** (5)
- 1) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 2) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - 5) This job is valid only if it is produced by ALLIANCE TRUSS, CASA GRANDE, AZ.

LOAD CASE(S) Standard



Expires: 6-30-2015
April 15, 2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

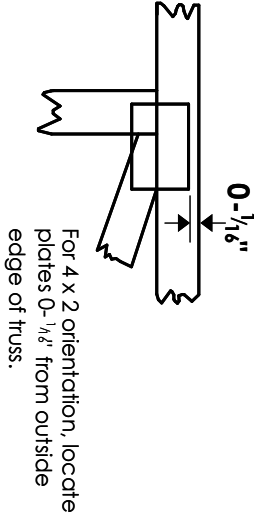
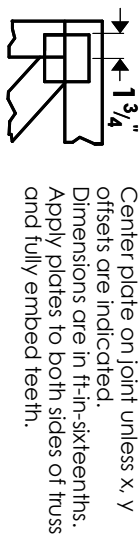
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Symbols

PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0- $\frac{1}{8}$ " from outside edge of truss.

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

PLATE SIZE

4 X 4

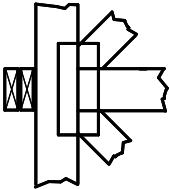
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



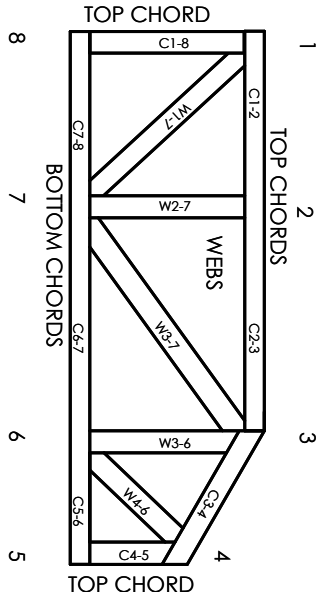
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/FP11: 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

6-4-8 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, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Southern Pine Lumber designations are as follows:

SYP represents values as published by AWC in the 2005/2012 NDS
SP represents ALSC approved/new values with effective date of June 1, 2013

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Mitek Engineering Reference Sheet: MII-7-473 rev. 02/26/2013



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 Tor I bracing should be considered.
3. Never exceed the design loading shown and never stock 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 waste of joint locations are regulated by ANSI/FP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/FP 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/TP 1 Quality Criteria.