

JULIUS LEE PE.

RE: 447350 - GIEBEIG HOMES - KETCHAM RES.

**1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435**

Site Information:

Project Customer: GIEBEIG HOMES Project Name: 447350 Model: KETCHAM RES.
Lot/Block: Subdivision:
Address: HWY 441 SOUTH
City: COLUMBIA CTY State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: BRIAN TRENT GIEBEIG License #: RR282811523
Address: 462 SW FAIRLINGTON CT
City: LAKE CITY State: FL

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

FBC 2010/TPI 2007 Design Program: MiTek 20/20 7.3
ASCE 7-10 Wind Speed: 125 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 76 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.

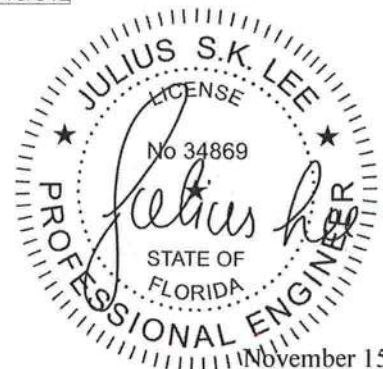
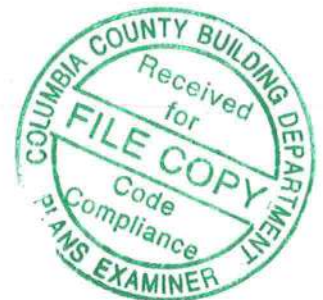
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I6125456	CJ1	11/15/012	18	I6125473	CJ6	11/15/012
2	I6125457	CJ1A	11/15/012	19	I6125474	EJ2	11/15/012
3	I6125458	CJ1B	11/15/012	20	I6125475	EJ5A	11/15/012
4	I6125459	CJ1C	11/15/012	21	I6125476	EJ5P	11/15/012
5	I6125460	CJ1D	11/15/012	22	I6125477	EJ7	11/15/012
6	I6125461	CJ1E	11/15/012	23	I6125478	EJ7B	11/15/012
7	I6125462	CJ1P	11/15/012	24	I6125479	EJ7C	11/15/012
8	I6125463	CJ2	11/15/012	25	I6125480	EJ7D	11/15/012
9	I6125464	CJ2B	11/15/012	26	I6125481	EJ9	11/15/012
10	I6125465	CJ2C	11/15/012	27	I6125482	FG1	11/15/012
11	I6125466	CJ3	11/15/012	28	I6125483	HJ2	11/15/012
12	I6125467	CJ3A	11/15/012	29	I6125484	HJ4	11/15/012
13	I6125468	CJ3B	11/15/012	30	I6125485	HJ7A	11/15/012
14	I6125469	CJ3P	11/15/012	31	I6125486	HJ7P	11/15/012
15	I6125470	CJ4	11/15/012	32	I6125487	HJ9	11/15/012
16	I6125471	CJ5	11/15/012	33	I6125488	HJ11	11/15/012
17	I6125472	CJ5C	11/15/012	34	I6125489	PB01	11/15/012

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Jax).

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2013.

NOTE: 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 Chapter 2.



November 15, 2012

Job 447350	Truss CJ1	Truss Type JACK	Qty 2	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional)	I6125456																																																																			
Builders FirstSource, Lake City, FL 32055		7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:40 2012 Page 1																																																																							
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="7">Plate Offsets (X,Y): [2:0-1-9 Edge]</td> </tr> <tr> <td style="width:15%;">LOADING (psf)</td> <td style="width:15%;">SPACING</td> <td style="width:10%;">2-0-0</td> <td style="width:10%;">CSI</td> <td style="width:10%;">DEFL</td> <td style="width:10%;">in (loc)</td> <td style="width:10%;">l/defl</td> <td style="width:10%;">L/d</td> <td style="width:10%;">PLATES</td> <td style="width:10%;">GRIP</td> </tr> <tr> <td>TCLL 20.0</td> <td>Plates Increase</td> <td>1.25</td> <td>TC 0.15</td> <td>Vert(LL)</td> <td>-0.00</td> <td>7</td> <td>>999</td> <td>MT20</td> <td>244/190</td> </tr> <tr> <td>TCDL 10.0</td> <td>Lumber Increase</td> <td>1.25</td> <td>BC 0.03</td> <td>Vert(TL)</td> <td>-0.00</td> <td>7</td> <td>>999</td> <td></td> <td></td> </tr> <tr> <td>BCLL 0.0 *</td> <td>Rep Stress Incr</td> <td>YES</td> <td>WB 0.00</td> <td>Horz(TL)</td> <td>0.00</td> <td>2</td> <td>n/a</td> <td></td> <td></td> </tr> <tr> <td>BCDL 10.0</td> <td>Code FBC2010/TPI2007</td> <td></td> <td>(Matrix-M)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4"></td> <td colspan="4" style="text-align: right;">Weight: 8 lb</td> <td colspan="2" style="text-align: right;">FT = 20%</td> </tr> </table>							Plate Offsets (X,Y): [2:0-1-9 Edge]							LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	TCLL 20.0	Plates Increase	1.25	TC 0.15	Vert(LL)	-0.00	7	>999	MT20	244/190	TCDL 10.0	Lumber Increase	1.25	BC 0.03	Vert(TL)	-0.00	7	>999			BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	2	n/a			BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)											Weight: 8 lb				FT = 20%	
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REACTIONS (lb/size) 2=158/0-5-8 (min. 0-1-8), 4=7/Mechanical, 3=22/Mechanical Max Horz 2=68(LC 12) Max Uplift 2=53(LC 12), 3=19(LC 12) Max Grav 2=186(LC 2), 4=22(LC 3), 3=32(LC 21)																																																																									
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.																																																																									
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LOAD CASE(S) Standard																																																																									



November 15, 2012



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

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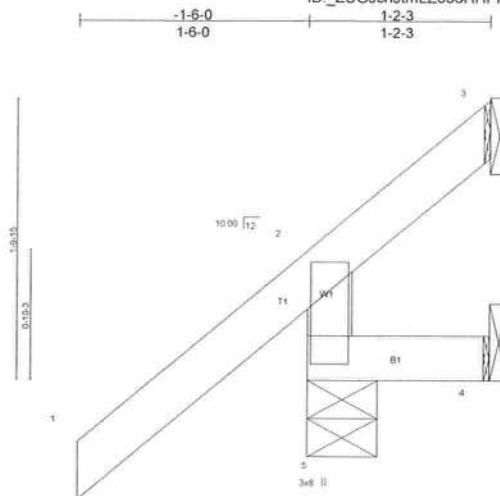
Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss CJ1B	Truss Type JACK	Qty 4	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional)	I6125458
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Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:41 2012 Page 1

ID_ZUGJcnJtmLZ336HHPF6zRyd1jG-G7smfEbqdAfFwE9o6z7mvFJTKFEikWg_ZYSzLEyJ7zu



Scale = 1/4" = 1'-0"

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.23	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	0.00	5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)							
									Weight: 8 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-2-3 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=184/0-5-8 (min. 0-1-8), 4=-8/Mechanical, 3=-22/Mechanical
Max Horz 5=72(LC 12)
Max Uplift 5=-47(LC 12), 4=-12(LC 2), 3=-27(LC 2)
Max Grav 5=219(LC 2), 4=12(LC 3), 3=16(LC 10)

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

NOTES (7-9)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 5, 12 lb uplift at joint 4 and 27 lb uplift at joint 3.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



November 15, 2012



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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss CJ1D	Truss Type JACK	Qty 1	Ply 1	GIEBEIG HOMES - KETCHAM RES. I6125460
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Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:43 2012 Page 1
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1-6-0
1-0-0
1-0-0

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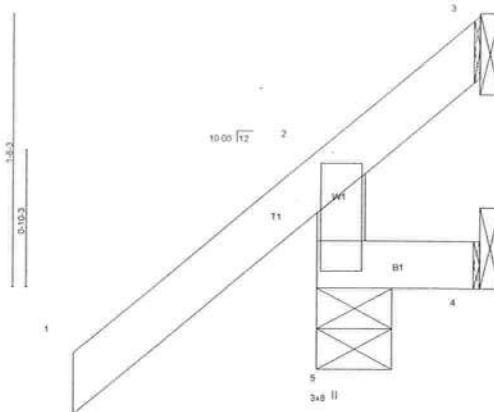


Plate Offsets (X,Y): [5.0-4.12.0-1.8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.22	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.04	Vert(TL)	0.00	5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)							
									Weight: 7 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 1-0-0 oc purlins, except end verticals.
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=192/0-5-8 (min. 0-1-8), 4=-13/Mechanical, 3=-38/Mechanical
Max Horz 5=67(LC 12)
Max Uplift 5=-54(LC 12), 4=-17(LC 2), 3=-46(LC 2)
Max Grav 5=229(LC 2), 4=8(LC 3), 3=11(LC 10)

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

NOTES (7-9)

- Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCCL=4.2psf, BCDL=3.0psf, h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 5, 17 lb uplift at joint 4 and 46 lb uplift at joint 3.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869. Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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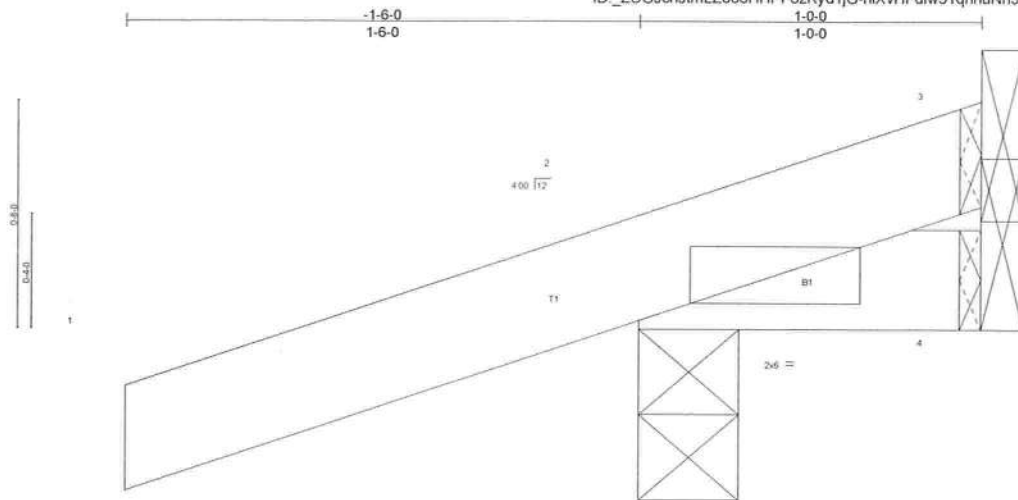
Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	CJ1P	JACK	5	1	

I6125462

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:44 2012 Page 1
ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-hXvHFdiw51qnHuNn5hUXtx?rSGSxtPQFWgexZyJ7z

Scale = 1/4" = 1'-0"

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.02	Vert(LL) -0.00 5 >999 240		
BCLL 0.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 5 >999 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.00 2 n/a n/a		
	Code FBC2010/TPI2007			Weight: 6 lb	FT = 20%

LUMBERTOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2**BRACING**TOP CHORD Structural wood sheathing directly applied or 1-0-0 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=156/0-3-8 (min. 0-1-8), 4=-11/Mechanical, 3=-0/Mechanical
Max Horz 2=36(LC 8)
Max Uplift 2=-112(LC 8), 4=-14(LC 2), 3=-3(LC 9)
Max Grav 2=185(LC 2), 4=14(LC 10), 3=9(LC 10)**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.**NOTES** (7-9)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf, BCDL=3.0psf, h=28ft; Cat II; Exp B; End.; GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 2, 14 lb uplift at joint 4 and 3 lb uplift at joint 3.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
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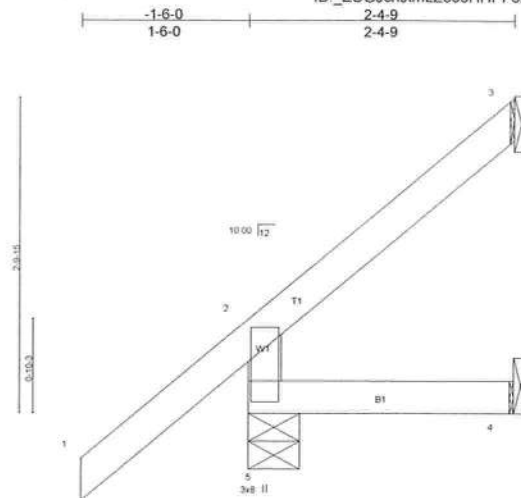
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1109 Coastal Bay
Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	CJ2B	JACK	4	1	I6125484

Builders FirstSource, Lake City, FL 32055

ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-5HD1wHgbC0QP9cyTDEB8WZVcfHW8E9xUvYtyJ?z



Scale = 1/16" = 1'-0"

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.24	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.06	Vert(TL)	-0.00	4-5	>999	180		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.01	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)							
	Code FBC2010/TPI2007								

Weight: 12 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 2-4-9 oc purlins, except end verticals.
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=189/0-5-8 (min. 0-1-8), 3=32/Mechanical, 4=13/Mechanical
Max Horz 5=99(LC 12)
Max Uplift 5=30(LC 12), 3=-48(LC 12), 4=-5(LC 12)
Max Grav 5=223(LC 2), 3=54(LC 21), 4=37(LC 3)

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

NOTES (7-9)

- 1) Wind: ASCE 7-10, 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 5, 48 lb uplift at joint 3 and 5 lb uplift at joint 4.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd, Boynton Beach, FL 33435

LOAD CASE(S) Standard



November 15, 2012



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, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

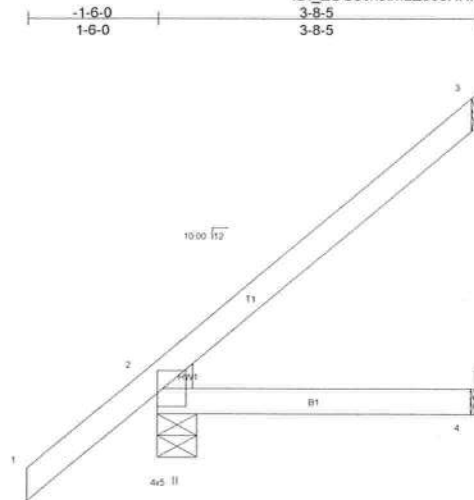
Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	CJ3	JACK	2	1	
Builders FirstSource, Lake City, FL 32055					

I6125466

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:49 2012 Page 1

ID: ZUGJcnJmLZ336HHPF6zRyd1jG-1fKoKzhrkeg8uSmKaeGfExerfTx4c8fAPoOPdmyJ?zm



Scale = 1/252

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.18	Vert(LL) -0.02 4-7 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.03 4-7 >999 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.01 3 n/a n/a		
	Code FBC2010/TPI2007			Weight: 16 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-5 oc purins.
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=73/Mechanical, 2=217/0-5-8 (min. 0-1-8), 4=39/Mechanical
Max Horz 2=146(LC 12)
Max Uplift 3=75(LC 12), 2=29(LC 12), 4=7(LC 12)
Max Grav 3=99(LC 21), 2=254(LC 2), 4=66(LC 3)

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

NOTES

- 1) Wind: ASCE 7-10, 125mph (3-second gust) Vasd=97mph; TCFL=4.2psf, BCDL=3.0psf, h=28ft; Cat. II, Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 3, 29 lb uplift at joint 2 and 7 lb uplift at joint 4.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



November 15, 2012



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Julius Lee PE.
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss CJ3B	Truss Type JACK	Qty 4	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional)	I6125468
Builders FirstSource, Lake City, FL 32055		7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:51 2012 Page 1 ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-_2SYIf5GFwq7mwji3J7JmKbVhCd428Ss6tVhfyJ7zk				

Scale = 1/247

Plate Offsets (X,Y): [5:0-4:12,0-1-8]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.22	Vert(LL)	-0.01	4-5	>999	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.14	Vert(TL)	-0.02	4-5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.02	3	n/a		
BCDL 10.0	Code	FBC2010/TPI2007	(Matrix-M)						
								Weight: 16 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 REACTIONS (lb/size) 5=220/0-5-8 (min. 0-1-8), 3=67/Mechanical, 4=31/Mechanical Max Horz 5=142(LC 12) Max Uplift 5=21(LC 12), 3=80(LC 12), 4=7(LC 12) Max Grav 5=258(LC 2), 3=95(LC 21), 4=62(LC 3)	BRACING TOP CHORD Structural wood sheathing directly applied or 3-6-15 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.
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FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES (7-9)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 5, 80 lb uplift at joint 3 and 7 lb uplift at joint 4.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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Julius Lee PE,
 1109 Coastal Bay
 Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBIG HOMES - KETCHAM RES.
447350	CJ4	JACK	2	1	

I6125470

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:52 2012 Page 1

ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-SE0wz?kj1Z2hlwVvFmqMrZGN7gzgPVOc5mc3E5yJ7zj

-1-6-0
1-6-0
4-1-4
4-1-4

Scale = 1/2" = 1'-0"

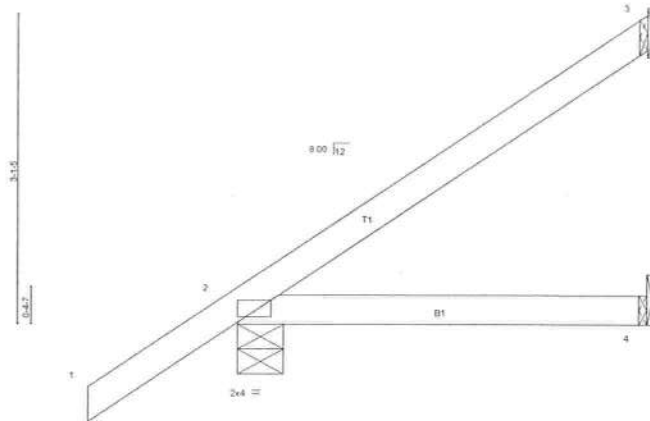


Plate Offsets (X,Y): [2-0-1-9,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.19	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.12	Vert(TL)	-0.02	4-7	>999	180		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)							
	Code FBC2010/TPI2007								
								Weight: 16 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-1-4 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS

(lb/size) 3=76/Mechanical, 2=247/0-5-8 (min. 0-1-8), 4=35/Mechanical
Max Horz 2=127(LC 12)
Max Uplift 3=63(LC 12), 2=60(LC 12)
Max Grav 3=97(LC 21), 2=287(LC 2), 4=63(LC 3)

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

TOP CHORD 2-3=-366/35
BOT CHORD 2-4=-218/689

NOTES (7-9)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 3 and 60 lb uplift at joint 2.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



November 15, 2012



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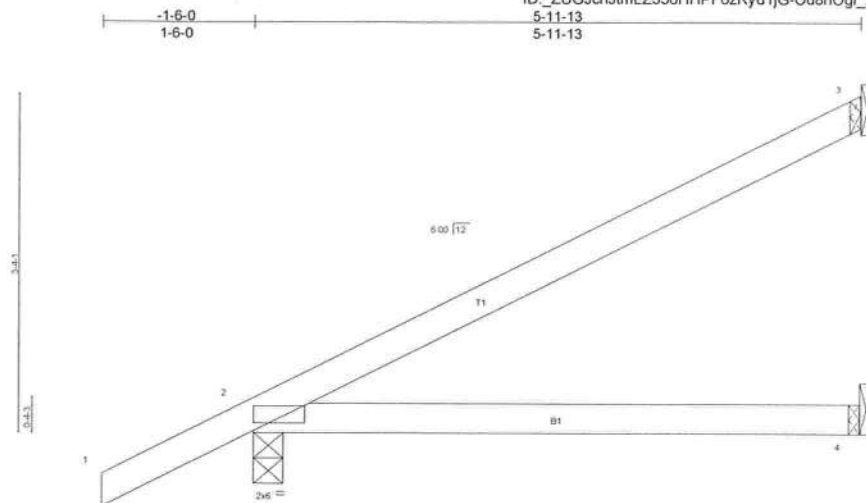
Julius Lee PE.
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss CJ5C	Truss Type JACK	Qty 4	Ply 1	GIEBEIG HOMES - KETCHAM RES.	I6125472
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Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:54 2012 Page 1

ID_ZUGJcnJtmLZ336HHPF6zRyd1jG-Od8hOgl_ZAIP_DfINBSqx_MgkUcqHPuvY45AlzyJ7zh
5-11-13
5-11-13



Scale = 1/2\"/>

Plate Offsets (X,Y): [2-0-6-0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.38	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.27	Vert(TL)	-0.09	4-7	>816	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL 10.0	Code	FBC2010/TPI2007	(Matrix-M)							
									Weight: 22 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-11-13 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 3=111/Mechanical, 2=327/0-3-8 (min. 0-1-8), 4=51/Mechanical
Max Horz 2=129(LC 12)
Max Uplift 3=78(LC 12), 2=89(LC 12)
Max Grav 3=133(LC 2), 2=378(LC 2), 4=91(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=863/313
BOT CHORD 2-4=602/1223

NOTES (7-9)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 3 and 89 lb uplift at joint 2.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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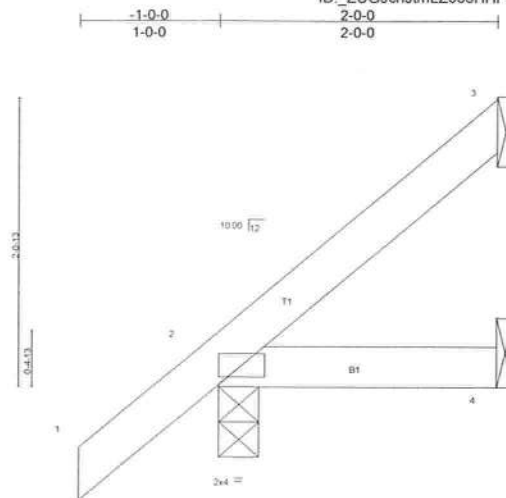
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Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	EJ2	JACK	2	1	I6125474

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:55 2012 Page 1
ID_ZUGJcnJmLZ336HHPF6zRyd1jG-spi3b0mcKUQGcNDUxvN3TCuvGu0l0s82nkrjqQyJ?z



Scale = 1/16"

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.07	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.04	Vert(TL)	-0.00	7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)							
									Weight: 9 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 2-0-0 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=135/0-3-8 (min. 0-1-8), 4=18/Mechanical, 3=36/Mechanical
Max Horz 2=85(LC 12)
Max Uplift 2=27(LC 12), 3=37(LC 12)
Max Grav 2=157(LC 2), 4=32(LC 3), 3=49(LC 21)

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

NOTES (7-9)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; End.; GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 2 and 37 lb uplift at joint 3.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869. Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss EJSP	Truss Type JACK	Qty 8	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) 7.350 s Jul 31 2012 Mitek Industries, Inc. Thu Nov 15 07:13:57 2012 Page 1 ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-oCp0inss5g_rhNt2KPYd_C0hgyUldF2KqvlyJ7ze	I6125476
Builders FirstSource, Lake City, FL 32055						

Scale = 1/13.3

LOADING (psf) TCCL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2010/TPI2007	CSI TC 0.24 BC 0.18 WB 0.00 (Matrix-M)	DEFL in (loc) l/defl L/d Vert(LL) 0.05 4-7 >999 240 Vert(TL) -0.04 4-7 >999 180 Horz(TL) -0.00 2 n/a n/a	PLATES GRIP MT20 244/190 Weight: 18 lb FT = 20%
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LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

REACTIONS (lb/size) 3=92/Mechanical, 2=283/0-3-8 (min. 0-1-8), 4=45/Mechanical
 Max Horz 2=83(LC 8)
 Max Uplift 3=-57(LC 8), 2=-166(LC 8), 4=-25(LC 8)
 Max Grav 3=110(LC 2), 2=328(LC 2), 4=76(LC 3)

FORCES (lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-598/528
 BOT CHORD 2-4=-644/685

NOTES (7-9)
 1) Wind: ASCE 7-10, 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 3, 166 lb uplift at joint 2 and 25 lb uplift at joint 4.
 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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.



November 15, 2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee PE,
 1109 Coastal Bay
 Boynton Beach, FL 33435

Job 447350	Truss EJ7B	Truss Type MONO TRUSS	Qty 14	Ply 1	GIEBEIG HOMES - KETCHAM RES. 16125478
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:13:59 2012 Page 1		
ID_ZUGJcnJtmLZ336HHPF6zRyd1jG-laxaROp7Oiw4?XFAkS?e23PaVCZyf7eiMpwzByJ7zc Scale = 1/32" = 1'-0"					
Plate Offsets (X,Y): [2 0-2-8,0-0-5]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/defl L/d
TCLL 20.0	Plates Increase	1.25	TC 0.82	Vert(LL) 0.21	5-8 >392 240
TCDL 10.0	Lumber Increase	1.25	BC 0.75	Vert(TL) -0.41	5-8 >202 180
BCLL 0.0	Rep Stress Incr	NO	WB 0.00	Horz(TL) 0.11	4 n/a n/a
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)		
PLATES GRIP			Weight: 33 lb FT = 20%		
MT20 244/190					
LUMBER			BRACING		
TOP CHORD 2x4 SYP No.1			TOP CHORD Structural wood sheathing directly applied.		
BOT CHORD 2x4 SP No.2			BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.		
SLIDER Left 2x6 SYP No.2 2-6-0			MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.		
REACTIONS (lb/size) 4=158/Mechanical, 2=356/0-5-8 (min. 0-1-8), 5=107/Mechanical					
Max Horz 2=168(LC 12)					
Max Uplift 4=101(LC 12), 5=8(LC 12)					
Max Grav 4=203(LC 21), 2=412(LC 2), 5=147(LC 3)					
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.					
TOP CHORD 2-3=-449/199					
BOT CHORD 2-5=-309/310					
NOTES (8-10)					
1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.					
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 4 and 8 lb uplift at joint 5.					
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.					
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).					
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.					
9) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.					
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435					
LOAD CASE(S) Standard					
1) Regular: Lumber Increase=1.25, Plate Increase=1.25					
Uniform Loads (plf)					
Vert: 1-4=-50, 5-6=-29(F=-9)					



November 15,2012



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Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss EJ7D	Truss Type MONO HIP	Qty 4	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) ID: ZUGJcnJtmLZ336tHPF6zRyd1jG-99di3Pr?gdJGxSGqr1?iFgh4jiOz9xs4OJ1baWyJ7zZ	16125480			
Builders FirstSource, Lake City, FL 32055		7 350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:02 2012 Page 1							
Plate Offsets (X,Y): [2-0-2,10,0-2-12], [4-0-6-8,0-2-4]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.18	Vert(LL)	-0.01 7-10	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.13	Vert(TL)	-0.02 7-10	>999	180		
BCLL 0.0	Rep Stress Incr	NO	WB 0.32	Horz(TL)	0.01 2	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)						
							Weight: 56 lb	FT = 20%	
LUMBER			BRACING						
TOP CHORD 2x4 SP No.2			TOP CHORD				Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.		
BOT CHORD 2x6 SYP No.2			BOT CHORD				Rigid ceiling directly applied or 10-0-0 oc bracing.		
WEBS 2x4 SP No.3							MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.		
SLIDER Left 2x6 SYP No.2 2-6-0									
REACTIONS (lb/size) 2=497/0-5-8 (min. 0-1-8), 6=619/Mechanical									
Max Horz 2=121(LC 8)									
Max Uplift 2=106(LC 8), 6=248(LC 5)									
Max Grav 2=574(LC 2), 6=708(LC 2)									
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.									
TOP CHORD 3-4=-377/123									
BOT CHORD 2-7=-118/288, 7-12=-124/307, 6-12=-124/307									
WEBS 4-7=-183/578, 4-6=-662/267									
NOTES (10-13)									
1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60									
2) Provide adequate drainage to prevent water ponding.									
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.									
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 2 and 248 lb uplift at joint 6.									
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.									
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 100 lb down and 143 lb up at 4-7-3 on top chord, and 194 lb down and 115 lb up at 4-7-3, and 296 lb down and 92 lb up at 5-0-12 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).									
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.									
11) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.									
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435									
13) Use Simpson HTU26 to attach Truss to Carrying member									
LOAD CASE(S) Standard									
1) Regular: Lumber Increase=1.25, Plate Increase=1.25									
Uniform Loads (plf)									
Vert: 1-4=-50, 4-5=-50, 6-8=-29(F=-9)									
Concentrated Loads (lb)									
Vert: 4=-85(F) 7=-161(F) 12=-255(F)									



November 15, 2012



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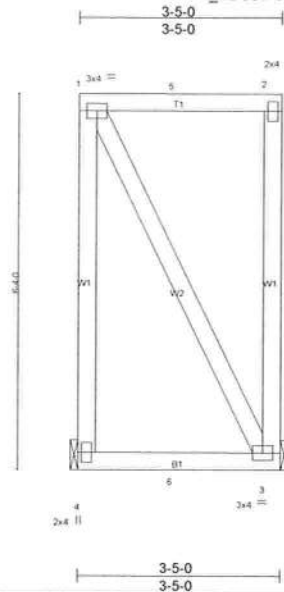
Julius Lee PE.
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss FG1	Truss Type SPECIAL	Qty 2	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional)	I6125482
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Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:04 2012 Page 1

ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-5YITU5iFCFZ_BmPDyl1AK5mQ3W1FdwMNsDWhfOyJ7zX



Scale = 1/32" = 1'-0"

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.26	in (loc) l/defl L/d	MT20	244/190
TCCL 10.0	Plates Increase 1.25	BC 0.20	Vert(LL) 0.01 3-4 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.02 3-4 >999 180		
BCCL 10.0	Rep Stress Incr NO	(Matrix-M)	Horz(TL) 0.00 3 n/a n/a		
	Code FBC2010/TPI2007			Weight: 37 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-0 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) 4=131/Mechanical, 3=131/Mechanical
Max Uplift 4=-74(LC 4), 3=-74(LC 4)
Max Grav 4=149(LC 2), 3=149(LC 2)

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

NOTES (10-12)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCCL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 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) All bearings are assumed to be SP No. 2 crushing capacity of 565 psi.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 4 and 74 lb uplift at joint 3.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 30 lb down and 59 lb up at 1-8-8 on top chord, and 35 lb down and 92 lb up at 1-8-8 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).
- 10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 11) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- 12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-50, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-25(F) 6=-18(F)



November 15, 2012

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1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss HJ4	Truss Type JACK	Qty 1	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional)	I6125484
Builders FirstSource, Lake City, FL 32055		7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:07 2012 Page 1 ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-W7Qb67v8VAxZ2D8oeQbtykOo_j?ppH6pYblMFjyJ?zL				

Plate Offsets (X,Y): [2-0-1-8,0-0-14]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.73	Vert(LL)	-0.01	5-10	>999	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.47	Vert(TL)	-0.01	6	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(TL)	-0.01	4	n/a		
BCDL 10.0	Code	FBC2010/TPI2007	(Matrix-M)						
								Weight: 26 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

SLIDER Left 2x8 SYP DSS 2-6-0

REACTIONS (lb/size) 4=21/Mechanical, 2=319/0-11-4 (min. 0-1-8), 5=10/Mechanical

Max Horz 2=104(LC 8)

Max Uplift 4=34(LC 8), 2=140(LC 4)

Max Grav 4=26(LC 2), 2=377(LC 2), 5=43(LC 3)

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

TOP CHORD 2-2=134/266, 2-3=157/351

NOTES (9-11)

- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf, BCDL=3.0psf, h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 4 and 140 lb uplift at joint 2.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6 lb down and 52 lb up at 0-5-5, and 14 lb down and 73 lb up at 1-11-15 on top chord, and 35 lb up at 1-11-15 on bottom 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 manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
- 11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-50, 5-6=-20

Concentrated Loads (lb)

Vert: 3=35(B) 7=41(F) 12=20(B)

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-12 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.



November 15,2012

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Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job 447350	Truss HJ7P	Truss Type JACK	Qty 3	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:09 2012 Page 1 ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-SWYMXpxO1nBHxHIArdL19TBvXICHBo6?vESKcyJ?zS	I6125486
Builders FirstSource, Lake City, FL 32055						

Scale = 1/16"

LOADING (psf) TCCL 20.0 TCCL 10.0 BCCL 0.0 BCDL 10.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2010/TPI2007	CSI TC 0.57 BC 0.41 WB 0.00 (Matrix-M)	DEFL in (loc) l/defl L/d Vert(LL) 0.07 4-7 >999 240 Vert(TL) -0.15 4-7 >555 180 Horz(TL) 0.01 2 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 25 lb FT = 20%
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LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2	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.
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REACTIONS (lb/size) 3=128/Mechanical, 2=344/0-5-11 (min. 0-1-8), 4=65/Mechanical
 Max Horz 2=83(LC 4)
 Max Uplift 3=-76(LC 4), 2=-190(LC 4), 4=-35(LC 5)
 Max Grav 3=152(LC 2), 2=409(LC 2), 4=105(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-8=-642/319
 BOT CHORD 2-10=-359/681

NOTES (9-11)
 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCCL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) All bearings are assumed to be SP No. 2 crushing capacity of 565 psi.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 3, 190 lb uplift at joint 2 and 35 lb uplift at joint 4.
 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 24 lb down and 47 lb up at 1-5-12, 24 lb down and 47 lb up at 1-5-12, and 8 lb down and 41 lb up at 4-3-11, and 8 lb down and 41 lb up at 4-3-11 on top chord, and 9 lb down and 36 lb up at 1-5-12, 9 lb down and 36 lb up at 1-5-12, and 8 lb down and 35 lb up at 4-3-11, and 8 lb down and 35 lb up at 4-3-11 on bottom 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 manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 10) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
 11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-50, 4-5=-20
 Concentrated Loads (lb)
 Vert: 8=35(F=18, B=18) 9=-3(F=-2, B=-2) 10=42(F=21, B=21) 11=-14(F=-7, B=-7)



November 15, 2012



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/TPI Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE,
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Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.	I6125487
447350	HJ9	MONO TRUSS	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:10 2012 Page 2
ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-wi6kkBy0o5J8vhtNJY8aaM0Kix0L0biFEZz0s2yJ7zR

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 15=5(F) 16=28(B) 17=18(B) 18=-61(F) 19=-17(B) 20=-2(F) 21=18(B) 22=6(B) 23=-31(F) 24=-11(B)



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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, DS8-89 and BC511 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onotrio Drive, Madison, WI 53719.

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Job 447350	Truss HJ11	Truss Type MONO TRUSS	Qty 2	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:05 2012 Page 2 ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-ZklrhRutzYhrow_PW?ZPIJJXywOIMGRW4HGFBrJ?zW
Builders FirstSource, Lake City, FL 32055 LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 3=19(B) 9=7(B) 13=28(F) 14=-26(F) 15=-23(B) 16=-74(F) 17=-61(B) 18=12(F) 19=-15(F) 20=-19(B) 21=-36(F) 22=-42(B)					



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 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 BCS11 Building Component**
Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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 Boynton Beach, FL 33435

Job 447350	Truss PB01G	Truss Type PIGGYBACK	Qty 1	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:12 2012 Page 1 ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-s4DU9qzGKiZs8_1IQzB2fn5o2kpSUyLYhtS6xyJ7zP	I6125490
Builders FirstSource, Lake City, FL 32055						

Scale = 1/8" = 1'-0"

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	Plates Increase	1.25	TC 0.13	Vert(LL)	-0.00	8	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	-0.01	8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)							
									Weight: 9 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

REACTIONS (lb/size) 1=116/0-3-8 (min. 0-2-13), 5=112/0-3-8 (min. 0-2-13)

Max Horz 1=-29(LC 8)

Max Uplift 1=-19(LC 12), 5=-21(LC 13)

Max Grav 1=131(LC 2), 5=127(LC 2)

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

NOTES (10-12)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10, 125mph (3-second gust) Vasd=97mph; TCCL=4.2psf, BCDL=3.0psf, h=28ft; Cat. II, Exp B, Encl., GCpi=0.18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 6) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1 and 21 lb uplift at joint 5.
- 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 11) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- 12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-1-1 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.



November 15, 2012



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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE,
 1109 Coastal Bay
 Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	T01	HIP	1	1	I6125491

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:14 2012 Page 2
ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-pTLFaW?XsJpZNIABYODWkCB2GYNsyMer9BxD?pyJ?zN

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-50, 4-5=-50, 5-7=-50, 2-7=-20

Concentrated Loads (lb)

Vert: 4=-162(B) 5=-162(B) 10=-498(B) 8=-498(B) 15=-100(B) 16=-100(B) 17=-64(B) 18=-64(B)



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

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Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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Boynton Beach, FL 33435

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Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	T04	MONO HIP	1	1	I6125494

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:20 2012 Page 2
ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-ddiWrZ3lR9aj6DelufKw_TRzJzWxM26kX7OYDTyJ7zH

LOAD CASE(S) Standard
Concentrated Loads (lb)

Vert: 3=-80(F) 8=-128(F) 10=-54(F) 11=-54(F) 12=-54(F) 13=-54(F) 14=-28(F) 15=-28(F) 16=-28(F) 17=-28(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 BEFORE USE.
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Job 447350	Truss T06G	Truss Type GABLE	Qty 1	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:23 2012 Page 1 ID_ZUGJcnJtmLZ336HHPF6zRyd1jG-2COeTb6Ak4ylzhMsantdc63grAZJZWKAD5dCqoyJ7zE	I6125496
Builders FirstSource, Lake City, FL 32055						

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2010/TPI2007	CSI TC 0.16 BC 0.04 WB 0.05 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.01 11 n/r 120 Vert(TL) -0.02 11 n/r 120 Horz(TL) 0.00 10 n/a n/a	PLATES GRIP MT20 244/190 Weight: 70 lb FT = 20%
--	--	--	--	---

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

REACTIONS All bearings 12-0-0.
(lb) - Max Horz 2=114(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16, 12 except 15=-102(LC 12), 13=-101(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10, 125mph (3-second gust) Vasd=97mph; TCCL=4.2psf; BCDL=3.0psf; h=28ft; Cat II; Exp B; Encl.; GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16, 12 except (it=lb) 15=102, 13=101.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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.

November 15, 2012



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Boynton Beach, FL 33435

Job 447350	Truss T07G	Truss Type GABLE	Qty 1	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-wzd9Jy9hoJSjRigepdyZmyDJDnsgVC4m8ibPzZyJ?zA	I6125498	
Builders FirstSource, Lake City, FL 32055		7,350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:27 2012 Page 1					
Plate Offsets (X,Y): [7-0-5-4,0-2-12], [8-0-3-0,0-2-12], [16-0-3-4,0-3-8], [19-0-3-4,0-3-8]							
LOADING (psf) TCCL 20.0 TCCL 10.0 BCCL 0.0 BCDL 10.0		SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2010/TP12007		DEFL in (loc) l/def L/d Vert(LL) 0.09 16 >999 240 Vert(TL) -0.13 16 >999 180 Horiz(TL) 0.01 15 n/a n/a Attic -0.08 16-17 1818 360		PLATES MT20 Weight: 263 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2x6 SYP No.2 *Except* T1: 2x4 SP No.2 BOT CHORD 2x8 SYP DSS WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3							
BRACING TOP CHORD BOT CHORD JOINTS Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Brace at Jt(s): 21, 22 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.							
REACTIONS (lb/size) 20=1470/0-5-0 (min. 0-2-1), 15=1490/0-5-0 (min. 0-2-1), 17=1122/0-5-0 (min. 0-1-9) Max Horiz 20=-279(LC 8) Max Uplift 20=-112(LC 12), 15=-118(LC 13) Max Grav 20=1479(LC 22), 15=1490(LC 1), 17=1309(LC 18)							
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 3-4=-1373/125, 4-5=-1292/153, 5-6=-1188/226, 6-7=-425/96, 8-9=-418/94, 9-10=-1183/225, 10-11=-1296/154, 11-12=-1381/126 BOT CHORD 19-20=-192/761, 18-19=-43/971, 17-18=-43/971, 16-17=-43/971, 15-16=-58/744 WEBS 6-21=-873/189, 21-22=-870/190, 9-22=-872/190, 3-19=-86/417, 12-16=-82/403, 3-20=-1707/107, 12-15=-1727/103							
NOTES (16-18) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCCL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCPI=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 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) Provide adequate drainage to prevent water ponding. 5) All plates are 2x4 MT20 unless otherwise indicated. 6) Gable studs spaced at 2-0-0 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) Ceiling dead load (5.0 psf) on member(s) 5-6, 9-10, 6-21, 21-22, 9-22; Wall dead load (5.0psf) on member(s) 5-19, 10-16 10) Bottom chord live load (60.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-19, 16-17 11) All bearings are assumed to be SP No.2 crushing capacity of 565 psi. 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 20=112, 15=118. 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss. 14) Attic room checked for L/360 deflection. 15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). 16) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code. 17) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB. 18) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd, Boynton Beach, FL 33435							
Continued on page 2. LOAD CASE(S) Standard							



November 15,2012

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 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component.
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Job 447350	Truss T08	Truss Type ATTIC	Qty 4	Ply 2	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:30 2012 Page 1 ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-LYJlx_BZ4EqllmPDUIVG0arly?rLiYXCqgp3auyJ7z7	I6125499		
Builders FirstSource, Lake City, FL 32055								
Plate Offsets (X,Y): [6-0-5-4,0-2-12], [7-0-3-0,0-2-12], [14-0-7-0,0-3-8], [16-0-6-12,0-3-8]								
LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.61	Vert(LL) -0.23	14-16	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.46	Vert(TL) -0.36	14-16	>779	180	MT20H	187/143
BCLL 0.0	Rep Stress Incr NO	WB 0.59	Horz(TL) 0.01	13	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007	(Matrix-M)	Attic -0.18	14-16	770	360		
							Weight: 467 lb	FT = 20%
LUMBER TOP CHORD 2x6 SYP No.2 BOT CHORD 2x8 SYP DSS WEBS 2x4 SP No.3			BRACING TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheathed: Spacing > 2-0-0). Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD JOINTS 1 Brace at Jt(s): 6, 7, 2, 11, 18, 19					
REACTIONS (lb/size) 17=3392/0-3-8 (min. 0-2-0), 13=3018/0-3-8 (min. 0-1-12) Max Horz 17=331(LC 5) Max Grav 17=3413(LC 16), 13=3018(LC 1)								
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 3-4=-3077/0, 4-5=-1924/0, 5-6=-487/102, 7-8=-485/110, 8-9=-1906/0, 9-10=-2923/0, 2-17=-353/67, 6-7=-278/238 BOT CHORD 16-17=-79/1631, 15-16=0/2122, 14-15=0/1291, 14-20=0/1291, 13-20=0/1291 WEBS 5-18=-2348/0, 18-19=-2341/0, 8-19=-2302/0, 4-16=0/1365, 9-14=0/1711, 3-16=0/934, 10-14=0/1152, 3-17=-3576/0, 10-13=-3184/0								
NOTES (17-19) 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 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; 125mph (3-second gust) Vasd=97mph; TCCL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 5) Provide adequate drainage to prevent water ponding. 6) All plates are MT20 plates unless otherwise indicated. 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 9) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-18, 18-19; Wall dead load (5.0psf) on member(s). 4-16, 9-14 10) Bottom chord live load (60.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16 11) All bearings are assumed to be SP No.2 crushing capacity of 565 psi. 12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss. 14) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails. 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 149 lb down and 9 lb up at 0-0-0 on top chord, and 104 lb down and 119 lb up at 19-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. 16) Attic room checked for L/360 deflection.								



November 15, 2012

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Julius Lee PE,
 1109 Coastal Bay
 Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	T08	ATTIC	4	2	I6125499
Builders FirstSource, Lake City, FL 32055					
7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:30 2012 Page 3					
ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-LYJlx_BZ4EqImPDUIVGOarly?rLiYXCqgp3auyJ7z7					
Job Reference (optional)					
LOAD CASE(S) Standard Trapezoidal Loads (plf) Vert: 2=20-to-4=17 10) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16-17=-9, 14-16=-27, 14-20=-209, 13-20=-9, 1-2=17, 4-5=16, 5-6=25, 7-8=11, 8-9=2, 9-11=11, 11-12=3, 5-8=-9, 6-7=11 Horz: 1-2=-30, 2-6=-37, 7-11=24, 11-12=16, 2-17=9, 11-13=20 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=9 20=88(B) Trapezoidal Loads (plf) Vert: 2=34-to-4=31 11) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16-17=-9, 14-16=-27, 14-20=-209, 13-20=-9, 1-2=3, 4-5=2, 5-6=11, 7-8=25, 8-9=16, 9-11=25, 11-12=17, 5-8=-9, 6-7=11 Horz: 1-2=-16, 2-6=-24, 7-11=37, 11-12=30, 2-17=-20, 11-13=-9 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=9 20=88(B) Trapezoidal Loads (plf) Vert: 2=20-to-4=17 12) MWFRS 1st Wind Parallel Positive: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16-17=-30, 14-16=-60, 14-20=-230, 13-20=-30, 1-2=-0, 4-5=-23, 5-6=-8, 7-8=-22, 8-9=-37, 9-11=-22, 11-12=-14, 5-8=-15, 6-7=-22 Horz: 1-2=-30, 2-6=-22, 7-11=8, 11-12=16, 2-17=25, 11-13=5 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=-48 20=119(B) Trapezoidal Loads (plf) Vert: 2=-59-to-4=-41 13) MWFRS 2nd Wind Parallel Positive: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16-17=-30, 14-16=-60, 14-20=-230, 13-20=-30, 1-2=-14, 4-5=-37, 5-6=-22, 7-8=-8, 8-9=-23, 9-11=-8, 11-12=-0, 5-8=-15, 6-7=-22 Horz: 1-2=-16, 2-6=-8, 7-11=22, 11-12=30, 2-17=-5, 11-13=25 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=-38 20=119(B) Trapezoidal Loads (plf) Vert: 2=-62-to-4=-48 14) Attic Floor: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 16-17=-30, 14-16=-240, 14-20=-365, 13-20=-30, 1-2=-30, 4-5=-45, 5-6=-30, 7-8=-30, 8-9=-45, 9-11=-30, 11-12=-30, 5-8=-15, 6-7=-30 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=-136 20=-31(B) Trapezoidal Loads (plf) Vert: 2=-173-to-4=-124 15) Live Only: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 16-17=-30, 14-16=-240, 14-20=-365, 13-20=-30, 1-2=-30, 4-5=-45, 5-6=-30, 7-8=-30, 8-9=-45, 9-11=-30, 11-12=-30, 5-8=-15, 6-7=-30 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=-136 20=-31(B) Trapezoidal Loads (plf) Vert: 2=-173-to-4=-124 16) MWFRS Wind Left Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16-17=-30, 14-16=-195, 14-20=-230, 13-20=-30, 1-2=-63, 4-5=-103, 5-6=-88, 7-8=-67, 8-9=-82, 9-11=-67, 11-12=-61, 5-8=-15, 6-7=-59 Horz: 1-2=-12, 2-6=13, 7-11=8, 11-12=14, 2-17=24, 11-13=6 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=-149 20=94(B) Trapezoidal Loads (plf) Vert: 2=-244-to-4=-190 17) MWFRS Wind Right Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16-17=-30, 14-16=-195, 14-20=-230, 13-20=-30, 1-2=-61, 4-5=-82, 5-6=-67, 7-8=-88, 8-9=-103, 9-11=-88, 11-12=-63, 5-8=-15, 6-7=-59 Horz: 1-2=-14, 2-6=-8, 7-11=-13, 11-12=12, 2-17=-6, 11-13=24 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=-143 20=94(B) Trapezoidal Loads (plf) Vert: 2=-217-to-4=-165 18) MWFRS 1st Wind Parallel Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16-17=-30, 14-16=-195, 14-20=-230, 13-20=-30, 1-2=-53, 4-5=-74, 5-6=-59, 7-8=-69, 8-9=-84, 9-11=-69, 11-12=-63, 5-8=-15, 6-7=-69 Horz: 1-2=-22, 2-6=-16, 7-11=6, 11-12=12, 2-17=19, 11-13=4 Drag: 4-16=-15, 9-14=-15 Concentrated Loads (lb) Vert: 2=-147 20=94(B) Trapezoidal Loads (plf) Vert: 2=-212-to-4=-159					

Continued on page 4



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Julius Lee PE.
1109 Coastal Bay
Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBIG HOMES - KETCHAM RES.
447350	T09	JACK	2	1	I6125500

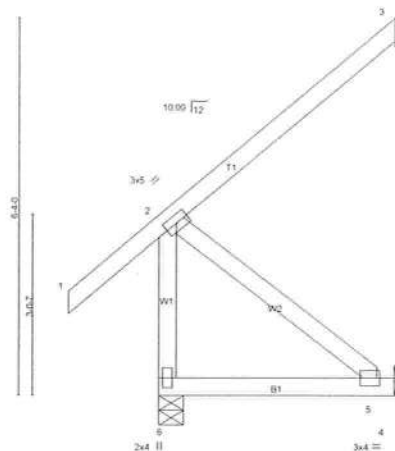
Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:30 2012 Page 1

ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-LYJlx_BZ4EqImPDUIVGOarqy?woigBCqgp3auyJ?z7

1-6-8 3-11-8
1-6-8 3-11-8

Scale = 1/32 = 5



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.17	Vert(LL) -0.01 5-6 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.10	Vert(TL) -0.03 5-6 >999 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.01 3 n/a n/a		
	Code FBC2010/TPI2007			Weight: 27 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-8 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=235/0-5-0 (min. 0-1-8), 3=75/Mechanical, 4=38/Mechanical
Max Horz 6=116(LC 9)
Max Uplift 3=54(LC 12), 4=61(LC 12)
Max Grav 6=274(LC 2), 3=107(LC 21), 4=75(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=231/286

NOTES

- Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf, BCDL=3.0psf, h=28ft; Cal. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left 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.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



November 15, 2012



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Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.
447350	T10	MONO HIP	1	1	I6125501

Builders FirstSource, Lake City, FL 32055

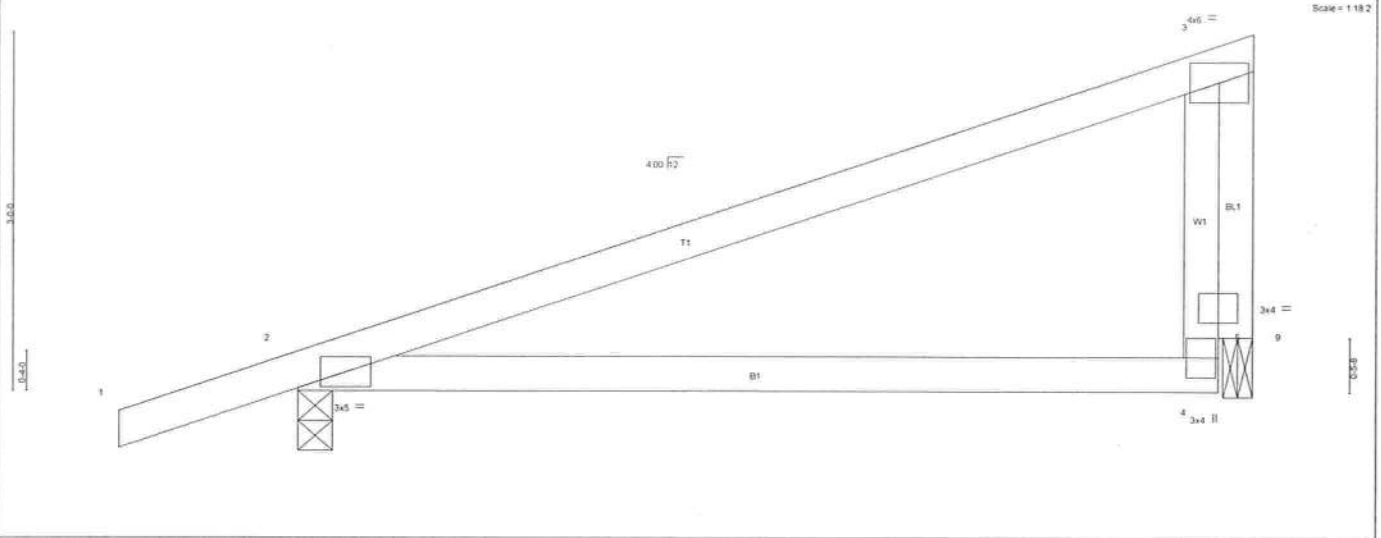
7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:31 2012 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 6=-70(F) 3=-120(F) 11=-42(F) 12=-25(F)

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Julius Lee PE,
1109 Coastal Bay
Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	GIEBIG HOMES - KETCHAM RES.	I6125503
447350	T12	MONO TRUSS	16	1	Job Reference (optional)	
Builders FirstSource, Lake City, FL 32055		7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:33 2012 Page 1				
		ID: ZUGJcnJtmLZ336HHPF6zRyd1jG-I7?QZ0DRN9Dt9D7n9t3z0DTlyCvL.v2YeWe2kADyJ7z4				
-1-6-0		8-0-0				
1-6-0		8-0-0				



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.50	Vert(LL)	0.19	4-8	>504	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.38	Vert(TL)	-0.17	4-8	>546	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.01	2	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)						Weight: 33 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-1-7 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.2	

REACTIONS	(lb/size) 2=395/0-3-8 (min. 0-1-8), 9=209/0-3-0 (min. 0-1-8)
	Max Horz 2=81(LC 8)
	Max Uplift 2=-160(LC 8), 9=-90(LC 8)
	Max Grav 2=456(LC 2), 9=239(LC 2)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1213/1150
BOT CHORD	2-4=-1376/1406

- NOTES (8-10)
- 1) Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
 - 5) Bearing at joint(s) 9 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 capable of withstanding 100 lb uplift at joint(s) 9 except (it=lb) 2=160.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
 - 10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869. Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



November 15, 2012

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - KETCHAM RES.	I6125505
447350	T14	COMMON	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:36 2012 Page 1
ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-9igZC1GKg4bS0hsMq0cger5IVQvv6IH4DcGOnYyJ7z1

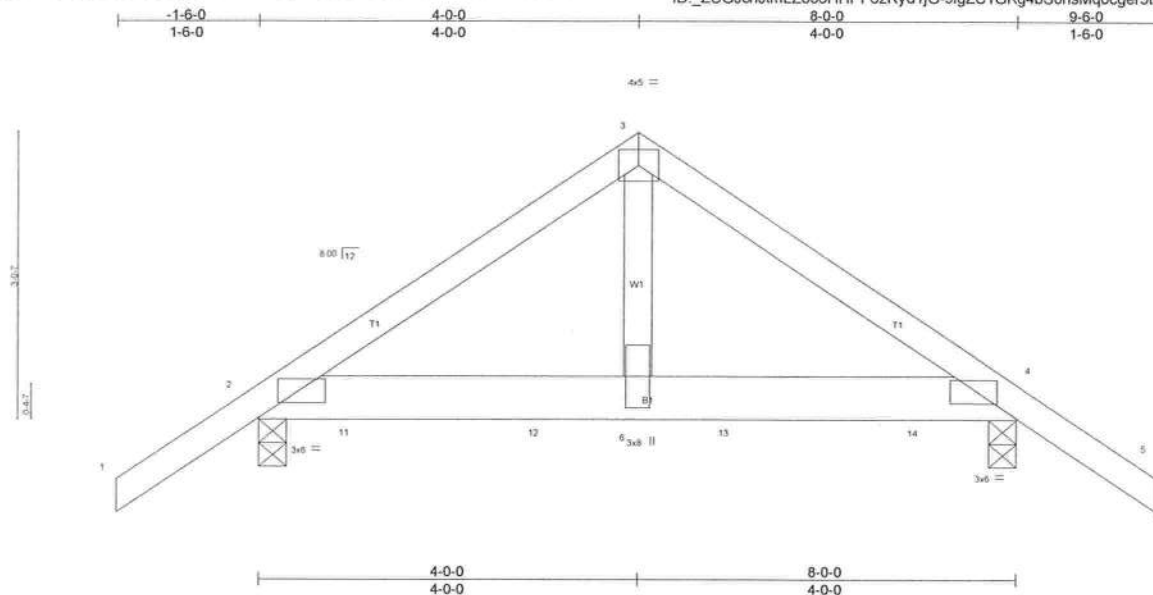


Plate Offsets (X, Y): [2-0-8-7, 0-1-13], [4-0-8-7, 0-1-13]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.22	Vert(LL)	-0.02	6-10	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.38	Vert(TL)	-0.04	6-10	>999	180		
BCLL 0.0	Rep Stress Incr NO	WB 0.38	Horz(TL)	0.01	4	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007	(Matrix-M)							
								Weight: 42 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SYP No.2
WEBS 2x4 SP No.3

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-4-4 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=946/0-3-8 (min. 0-1-8), 4=952/0-3-8 (min. 0-1-8)
Max Horz 2=50(LC 7)
Max Uplift 2=290(LC 8), 4=292(LC 9)
Max Grav 2=1091(LC 2), 4=1098(LC 2)

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

TOP CHORD 2-3=-1099/308, 3-4=-1099/308
BOT CHORD 2-11=-218/885, 11-12=-218/885, 6-12=-218/885, 6-13=-218/885, 13-14=-218/885, 4-14=-218/885
WEBS 3-6=-281/945

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10, 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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.
- All bearings are assumed to be SP No. 2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (j=lb) 2=290, 4=292.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 342 lb down and 136 lb up at 1-0-4, 342 lb down and 136 lb up at 3-0-4, and 342 lb down and 136 lb up at 5-0-4, and 342 lb down and 136 lb up at 7-0-4 on bottom 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 manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert. 1-3=-50, 3-5=-50, 2-4=-20
Concentrated Loads (lb)
Vert. 11=-297(B) 12=-297(B) 13=-297(B) 14=-297(B)



November 15, 2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE.
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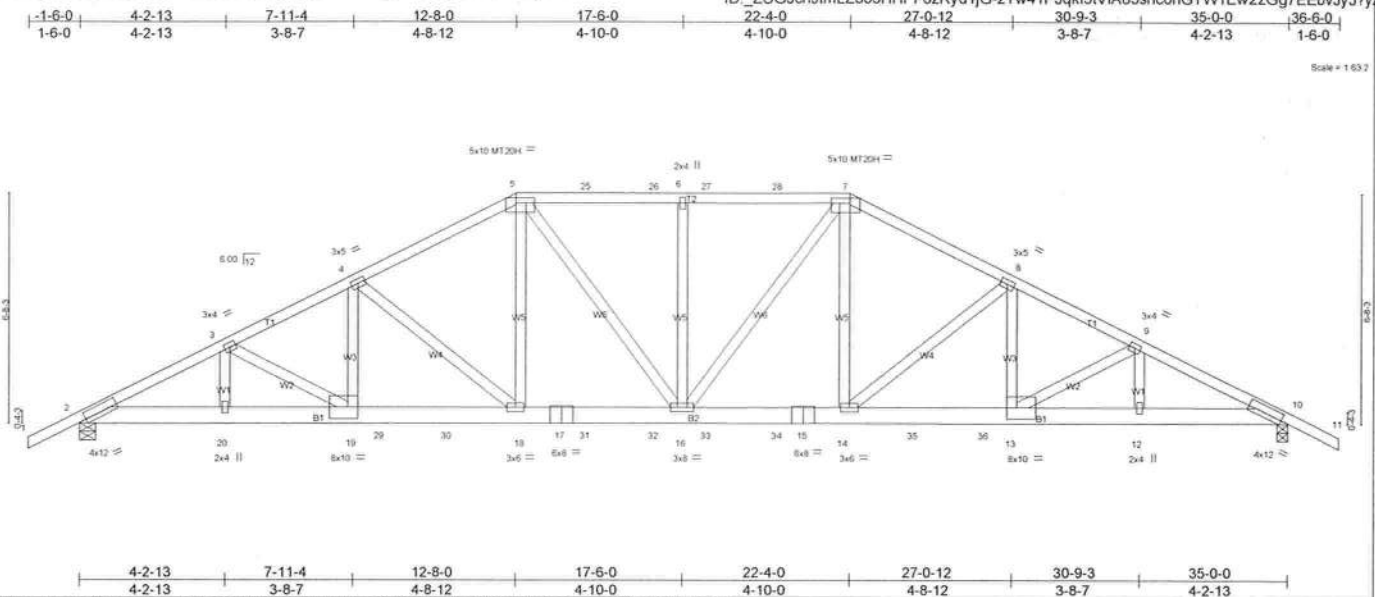
Job	Truss	Truss Type	Qty	Ply	GIEBIG HOMES - KETCHAM RES.
447350	T15	HIP	1	1	

I6125507

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:40 2012 Page 1
ID: ZUGJcnJtmLZ336HHPF6zRyd1JG-2Tw41PjQkI5tVIA83shcohGTW1Ew2zGg7EEbvJyJ7yz

Scale = 1/8" = 1'-0"



LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.61	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.63	Vert(LL) -0.24 16 >999 240	MT20H	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.96	Vert(TL) -0.60 16 >702 180		
BCDL 10.0	Code FBC2010/TPI2007	(Matrix-M)	Horz(TL) 0.19 10 n/a n/a		
				Weight: 237 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SYP No.1
 BOT CHORD 2x6 SYP SS "Except"
 B2: 2x6 SYP No.2
 WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-5-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-10-12 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=2618/0-5-8 (min. 0-3-8), 10=2618/0-3-8 (min. 0-3-8)
 Max Horz 2=65(LC 12)
 Max Uplift 2=772(LC 8), 10=772(LC 9)
 Max Grav 2=2951(LC 2), 10=2951(LC 2)

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

TOP CHORD 2-3=-6013/1633, 3-4=-5851/1670, 4-5=-4839/1416, 5-25=-4610/1374, 25-26=-4610/1374, 6-26=-4610/1374, 6-27=-4610/1374, 27-28=-4610/1374, 7-28=-4610/1374, 7-8=-4839/1415, 8-9=-5851/1669, 9-10=-6013/1633
BOT CHORD 2-20=-1475/5349, 19-20=-1475/5349, 19-29=-1464/5205, 29-30=-1464/5205, 18-30=-1464/5205, 17-18=-1186/4296, 17-31=-1186/4296, 31-32=-1186/4296, 16-32=-1186/4296, 16-33=-1146/4296, 33-34=-1146/4296, 15-34=-1146/4296, 14-15=-1146/4296, 14-35=-1399/5205, 35-36=-1399/5205, 13-36=-1399/5205, 12-13=-1409/5349, 10-12=-1409/5349
WEBS 3-19=-327/12, 4-19=-267/941, 4-18=-1205/367, 5-18=-332/1283, 5-16=-219/636, 6-16=-667/332, 7-16=-219/636, 7-14=-332/1283, 8-14=-1205/366, 8-13=-267/941, 9-13=-327/11

NOTES (12-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18, MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=772, 10=772.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 117 lb down and 112 lb up at 12-8-0, 117 lb down and 112 lb up at 14-8-12, 117 lb down and 112 lb up at 16-8-12, 117 lb down and 112 lb up at 18-3-4, and 117 lb down and 112 lb up at 20-3-4, and 117 lb down and 112 lb up at 22-4-0 on top chord, and 654 lb down and 263 lb up at 8-8-12, 255 lb down and 97 lb up at 10-8-12, 89 lb down and 27 lb up at 12-8-12, 89 lb down and 27 lb up at 14-8-12, 89 lb down and 27 lb up at 16-8-12, 89 lb down and 27 lb up at 18-3-4, 89 lb down and 27 lb up at 20-3-4, 89 lb down and 27 lb up at 22-4-0, and 255 lb down and 97 lb up at 24-3-4, and 654 lb down and 263 lb up at 26-3-4 on bottom 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).

Continued on page 2



November 15, 2012

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Job 447350	Truss T16	Truss Type HIP	Qty 1	Ply 1	GIEBEIG HOMES - KETCHAM RES. Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Thu Nov 15 07:14:42 2012 Page 1 ID: _ZUGJcnJtmLZ336HHPF6zRyd1jG-_s1qS5K5GwLbkCJWBGj4t6Lm2qsaW13zbYjI_ByJ7yx	I6125508
Builders FirstSource, Lake City, FL 32055		Scale 3/16"=1'				

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.80	Vert(LL)	-0.15	14-16	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase	1.25	BC 0.81	Vert(TL)	-0.47	14-16	>890	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.37	Horz(TL)	0.14	9	n/a	n/a		
BCDL 10.0	Code FBC2010/TPI2007		(Matrix-M)						Weight: 188 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 *Except* T2: 2x4 SYP No.1 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purtins. BOT CHORD Rigid ceiling directly applied or 7-10-3 oc bracing. WEBS 1 Row at midpt 3-14, 5-13, 8-13
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MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1300/0-5-8 (min. 0-1-12), 9=1300/0-3-8 (min. 0-1-12) Max Horz 2=-80(LC 17) Max Uplift 2=-146(LC 12), 9=-146(LC 13) Max Grav 2=1490(LC 2), 9=1490(LC 2)
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FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2487/761, 3-4=-1775/586, 4-5=-1677/613, 5-6=-1526/609, 6-7=-1678/613, 7-8=-1777/586, 8-9=-2486/760 BOT CHORD 2-16=-636/2158, 15-16=-560/2158, 14-15=-560/2158, 13-14=-266/1484, 12-13=-562/2161, 11-12=-562/2161, 9-11=-653/2178 WEBS 3-16=0/325, 3-14=-773/332, 5-14=-116/452, 6-13=-117/454, 8-13=-770/332, 8-11=0/323

NOTES (9-11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 125mph (3-second gust) Vasd=97mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=146, 9=146.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869. Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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