

JULIUS LEE PE.



RE: 442838 - BLAKE CONST. - WARD RES.

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

Site Information:

Project Customer: BLAKE CONST. Project Name: 442838 Model: WARD RES.
Lot/Block: Subdivision:
Address: 826 NW BLACKBERRY CIRCLE
City: COLUMBIA CTY State: FL

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

Name: BLAKE N. LUNDE II License #: RR0067618
Address: 2250 SW JAGUAR DR
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: 130 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 53 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.

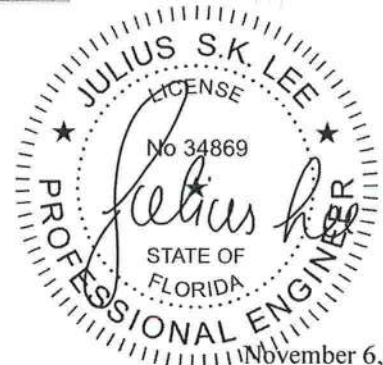
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I6092835	CJ1	11/6/012	18	I6092852	T01	11/6/012
2	I6092836	CJ3	11/6/012	19	I6092853	T02	11/6/012
3	I6092837	CJ3A	11/6/012	20	I6092854	T03	11/6/012
4	I6092838	CJ5	11/6/012	21	I6092855	T04	11/6/012
5	I6092839	CJ5A	11/6/012	22	I6092856	T05	11/6/012
6	I6092840	EJ2	11/6/012	23	I6092857	T06	11/6/012
7	I6092841	EJ4	11/6/012	24	I6092858	T07	11/6/012
8	I6092842	EJ6	11/6/012	25	I6092859	T08	11/6/012
9	I6092843	EJ7	11/6/012	26	I6092860	T09	11/6/012
10	I6092844	EJ7A	11/6/012	27	I6092861	T10	11/6/012
11	I6092845	EJ7B	11/6/012	28	I6092862	T11	11/6/012
12	I6092846	EJ7C	11/6/012	29	I6092863	T12	11/6/012
13	I6092847	EJ10	11/6/012	30	I6092864	T13	11/6/012
14	I6092848	HJ2	11/6/012	31	I6092865	T14	11/6/012
15	I6092849	HJ3	11/6/012	32	I6092866	T15	11/6/012
16	I6092850	HJ9	11/6/012	33	I6092867	T16	11/6/012
17	I6092851	HJ9A	11/6/012	34	I6092868	T16G	11/6/012

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 6, 2012

5

Job 442838	Truss CJ1	Truss Type JACK	Qty 16	Ply 1	BLAKE CONST. - WARD RES. Job Reference (optional) 7.350 s Jul 31 2012 MITek Industries, Inc. Tue Nov 06 07:49:54 2012 Page 1 ID: P0lyW1xUbQ8Wlmpxc59pB0yXWyl-7i1NXqNhmC1JgJzw9xyGsN_Ulv57N9fwPv5HhfyLzHx	I6092835
Builders FirstSource, Lake City, FL 32055						

Plate Offsets (X, Y): [2'-0"-6'-0", 0'-1"-2']										
LOADING (psf)	SPACING	2'-0"-0"	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.34	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.07	Vert(TL)	-0.00	7	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL 5.0	Code FBC2010/TPI2007		(Matrix-M)							
									Weight: 7 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

REACTIONS (lb/size) 2=182(0-3-8 (min. 0-1-8), 4=27/Mechanical, 3=14/Mechanical

Max Horz 2=66(LC 12)

Max Uplift 2=138(LC 12), 4=34(LC 2), 3=18(LC 2)

Max Grav 2=223(LC 2), 4=27(LC 16), 3=17(LC 10)

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

BOT CHORD 2-4=161/264

NOTES (7-9)

1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; 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" tall by 2'-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 138 lb uplift at joint 2, 34 lb uplift at joint 4 and 18 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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1'-0" oc purlins.

BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

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



November 6, 2012



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

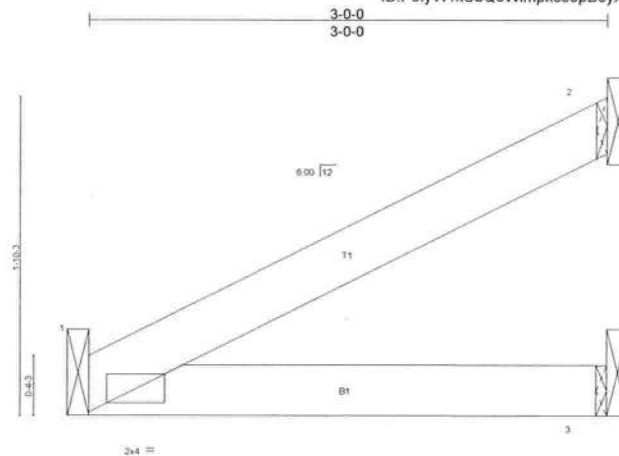
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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	BLAKE CONST. - WARD RES.	I6092837
442838	CJ3A	JACK	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:49:56 2012 Page 1
ID: P0lyW1xUbQ8Wlmpxc59pB0yXWyl-y597yWOxpH1v17JHM_kxo3ukjnr39DsDaOmXyLzHv



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.08	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.07	Vert(LL) 0.01 3-6 >999 240		
BCLL 0.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 3-6 >999 180		
BCCL 5.0	Rep Stress Incr YES	(Matrix-M)	Horz(TL) -0.00 2 n/a n/a		
	Code FBC2010/TPI2007			Weight: 10 lb	FT = 20%

LUMBER

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

BRACING

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

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

REACTIONS (lb/size) 1=92/Mechanical, 2=49/Mechanical, 3=18/Mechanical
Max Horz 1=71(LC 12)
Max Uplift 1=-42(LC 12), 2=-56(LC 12), 3=-3(LC 12)
Max Grav 1=109(LC 2), 2=59(LC 2), 3=35(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 1-3=-261/233

NOTES (7-9)

- 1) Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; 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" tall by 2'-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 42 lb uplift at joint 1, 56 lb uplift at joint 2 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.
- 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 6, 2012

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

Job 442838	Truss CJ5A	Truss Type JACK	Qty 1	Ply 1	BLAKE CONST. - WARD RES.	I6092839
Builders FirstSource, Lake City, FL 32055		Job Reference (optional)				
<p>ID: P0lyW1xUbQ8Wlmpxc59pB0yXWyl-uTGuMCQcQrXk9KGiOn1C0D8BHWSrJzeVJX3VqQyLzH</p> <p>7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:49:58 2012 Page 1</p>						
Plate Offsets (X,Y): [1-0-6-0-0-0-14]						
LOADING (psf) TCCL 20.0 TCCL 7.0 BCCL 0.0 BCDL 5.0		SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2010/TPI2007		CSI TC 0.27 BC 0.15 WB 0.00 (Matrix-M)		DEFL in (loc) l/defl L/d Vert(LL) 0.03 3-6 >999 240 Vert(TL) -0.03 3-6 >999 180 Horz(TL) -0.00 2 n/a n/a
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2		BRACING TOP CHORD BOT CHORD		Structural wood sheathing directly applied or 5-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>		
REACTIONS (lb/size) 1=159/Mechanical, 2=82/Mechanical, 3=26/Mechanical Max Horz 1=120(LC 12) Max Uplift 1=76(LC 12), 2=95(LC 12) Max Grav 1=188(LC 2), 2=100(LC 2), 3=58(LC 3)						
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=489/444 BOT CHORD 1-3=775/727						
NOTES (7-9) 1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCDL=3.0psf, h=18ft, Cat. II; Exp C; 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 76 lb uplift at joint 1 and 95 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 6, 2012



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



Job 442838	Truss EJ4	Truss Type MONO HIP	Qty 1	Ply 1	BLAKE CONST. - WARD RES.	i6092841
Builders FirstSource, Lake City, FL 32055		Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:02 2012 Page 1 ID: P0lyW1xUbQ8Wlmpxc59pB0yXWyl-mEWOCZTiuF1AdyaTdc58B3Jw18opFjF5E91izByLzHp				

Plate Offsets (X,Y): [1 0-1-4, Edge], [5 0-3-8, 0-4-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.21	Vert(LL) -0.01 5 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.28	Vert(TL) -0.01 5 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix-M)	Horz(TL) 0.00 4 n/a n/a		
	Code FBC2010/TP12007			Weight: 21 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x6 SYP No.2

WEBS 2x4 SP No.3

REACTIONS (lb/size) 1=711/0-3-8 (min. 0-1-8), 4=354/Mechanical

Max Horz 1=46(LC 8)

Max Uplift 1=-267(LC 8), 4=-161(LC 5)

Max Grav 1=804(LC 2), 4=401(LC 2)

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

TOP CHORD 1-2=-691/235, 2-3=-636/233, 3-4=-301/133

BOT CHORD 1-8=-224/599, 1-5=-224/595

WEBS 2-5=-60/261, 3-5=-254/692

NOTES (11-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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 267 lb uplift at joint 1 and 161 lb uplift at joint 4.
- "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) 25 lb down and 76 lb up at 1-10-8, and 3 lb down and 33 lb up at 4-1-12 on top chord, and 537 lb down and 161 lb up at 0-4-4, 41 lb up at 1-10-8, and 537 lb down and 161 lb up at 2-4-4, and 12 lb up at 4-1-12 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 TP1 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
- 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: 1-2=-44, 2-3=-44, 1-4=-10

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-8 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.



November 6, 2012



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

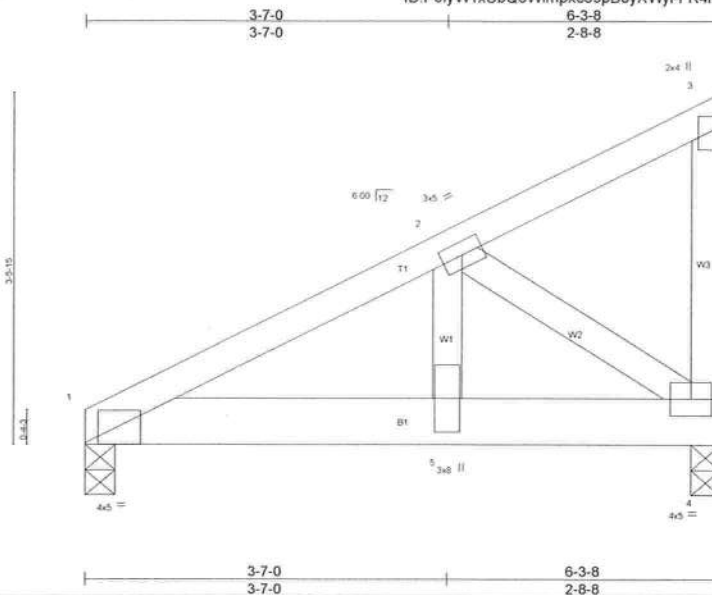
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Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - WARD RES.	
442838	EJ6	MONO TRUSS	2	1		I6092842

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:03 2012 Page 1
ID: PolyW1xUbQ8Wlmpxc59pB0yXWyl-FR4mQvULfz91F69fBKcNjGr3MX9O_9WFTpmGWdyLzHc



Scale = 1/2\"/>

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.19	Vert(LL)	-0.02	5-7	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.19	Vert(TL)	-0.03	5-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.34	Horz(TL)	0.01	4	n/a	n/a		
BCDL 5.0	Code FBC2010/TPI2007		(Matrix-M)							
									Weight: 36 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-4-2 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) 1=747/0-3-8 (min. 0-1-8), 4=747/0-3-8 (min. 0-1-8)
Max Horz 1=157(LC 8)
Max Uplift 1=-464(LC 5), 4=-511(LC 8)
Max Grav 1=1003(LC 18), 4=987(LC 18)

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

TOP CHORD 1-2=-1172/501
BOT CHORD 1-5=-514/982, 4-5=-514/982
WEBS 2-5=-496/1029, 2-4=-1188/622

NOTES (9-11)

- 1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf, BCDL=3.0psf; h=18ft, Cat. II; Exp C, 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 464 lb uplift at joint 1 and 511 lb uplift at joint 4.
- 6) Girder carries tie-in span(s): 16-0-0 from 0-0-0 to 6-3-8
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 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=-199(F=-189), 1-3=-44



November 6, 2012



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

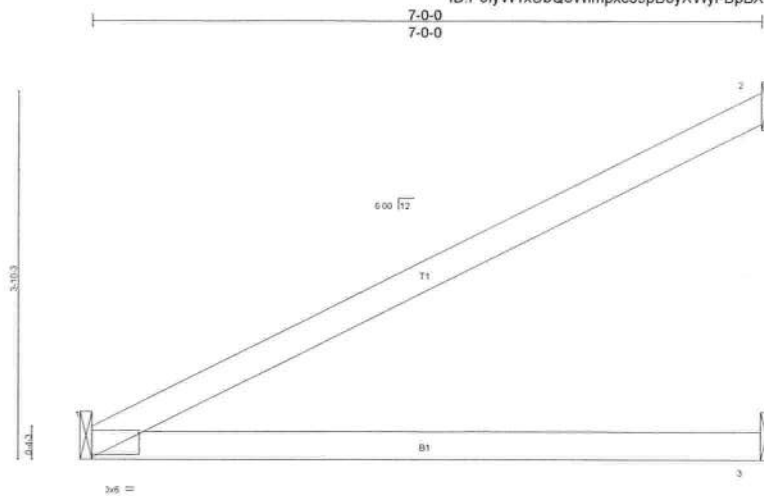
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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	BLAKE CONST. - WARD RES.	I6092844
442838	EJ7A	MONO TRUSS	8	1		

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:05 2012 Page 1
ID:P0lyW1xUbQ8WImpxc59pB0yXWyl-BpBXrbVbBaQIUPJ2lfrphxJDLp0S8NXw7FMaWyLzHm



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

Plate Offsets (X,Y): [1.0-6.0-0-0-6]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.55	Vert(LL)	0.07	3-6	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.31	Vert(TL)	-0.12	3-6	>714	180		
BCLL 0.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.01	2	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix-M)							
	Code FBC2010/TPI2007								
								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 5-7-15 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.

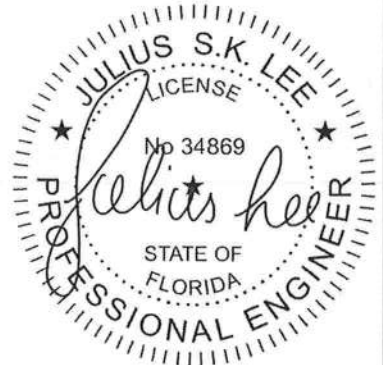
REACTIONS (lb/size) 1=227/Mechanical, 2=115/Mechanical, 3=33/Mechanical
Max Horz 1=117(LC 12)
Max Uplift 1=58(LC 12), 2=87(LC 12)
Max Grav 1=268(LC 2), 2=140(LC 2), 3=80(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-967/850
BOT CHORD 1-3=-1453/1459

NOTES

- 1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph, TCDL=4.2psf, BCDL=3.0psf, h=18ft, Cat. II, Exp C; 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
- 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" tall by 2'-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 58 lb uplift at joint 1 and 87 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 6, 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 442838	Truss EJ7C	Truss Type MONO TRUSS	Qty 1	Ply 1	BLAKE CONST. - WARD RES. Job Reference (optional) ID:P0lyW1xUbQ8W/Impxc59pB0yXVWyl-f0lv2xWDyuYc6ZtEsSA4LvTwxl0eBR7h9n?w6yyLzHl	I6092846
Builders FirstSource, Lake City, FL 32055		7 350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:06 2012 Page 1				

Scale = 1/22.8

Plate Offsets (X,Y): [1-0-3-0,0-2-9]				
LOADING (psf) TCCL 20.0 TCCL 7.0 BCCL 0.0 BCCL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2010/TPI2007	CSI TC 0.42 BC 0.79 WB 0.67 (Matrix-M)	DEFL in (loc) l/defl L/d Vert(LL) -0.04 5-7 >999 240 Vert(TL) -0.08 5-7 >999 180 Horz(TL) 0.01 4 n/a n/a	PLATES GRIP MT20 244/190 Weight: 38 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x6 SYP No.2

WEBS 2x4 SP No.3

REACTIONS (lb/size) 1=1305/0-3-8 (min. 0-1-12), 4=1243/0-3-8 (min. 0-1-10)

Max Horz 1=113(LC 8)

Max Uplift 1=-356(LC 8), 4=-395(LC 8)

Max Grav 1=1462(LC 2), 4=1393(LC 2)

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

TOP CHORD 1-2=-1895/428

BOT CHORD 1-8=-459/1630, 8-9=-459/1630, 5-9=-459/1630, 5-10=-459/1630, 4-10=-459/1630

WEBS 2-5=-403/1654, 2-4=-1958/551

NOTES (9-11)

1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCCL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) 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 356 lb uplift at joint 1 and 395 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) 810 lb down and 211 lb up at 1-2-12, and 810 lb down and 211 lb up at 3-2-12, and 810 lb down and 211 lb up at 5-2-12 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=-10, 1-3=-44

Concentrated Loads (lb)

Vert: 8=-730(B) 9=-730(B) 10=-730(B)

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-10 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.



November 6, 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

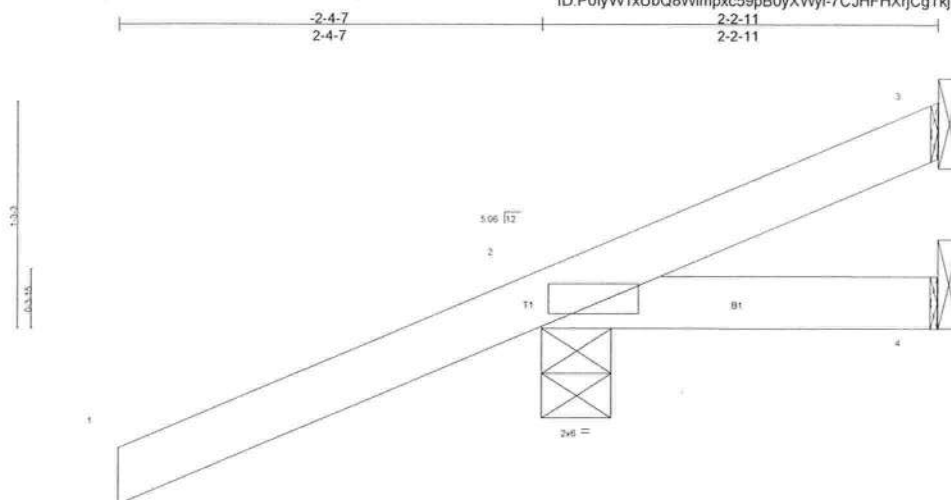
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - WARD RES.
442838	HJ2	JACK	2	1	

I6092848

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:07 2012 Page 1

ID: P0lyW1xUbQ8WImpxc59pB0yXWyl-7CJHFHXrjCgTkjSQQAhu60h09YJw2tqORkTfPyLzHk



Scale = 1/12

Plate Offsets (X,Y): [2-0-6-7-0-0-13]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	-0.00	7	>999	180		
BCLL 0.0	Rep Stress Incr	NO	WB 0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL 5.0	Code FBC2010/TPI2007		(Matrix-M)							

Weight: 11 lb FT = 20%

LUMBERTOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2**BRACING**TOP CHORD
BOT CHORDStructural wood sheathing directly applied or 2-2-11 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 3=20/Mechanical, 2=202/0-4-10 (min. 0-1-8), 4=-1/MechanicalMax Horz 2=86(LC 8)
Max Uplift 3=-23(LC 8), 2=-150(LC 4), 4=-3(LC 2)
Max Grav 3=24(LC 2), 2=245(LC 2), 4=22(LC 6)**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.**NOTES** (7-9)

- 1) Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl.; GCpi=0.18; MWFRS (envelope) gable end zone; 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 23 lb uplift at joint 3, 150 lb uplift at joint 2 and 3 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 6, 2012

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

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - WARD RES.	I6092850
442838	HJ9	MONO TRUSS	5	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:09 2012 Page 1

ID: P0lyW1xUbQ8Wmpxc59pB0yXWyl-3bR2gzY5EpwBz1cpXbjnzX5_Xy700ll7rlDajHyLzh

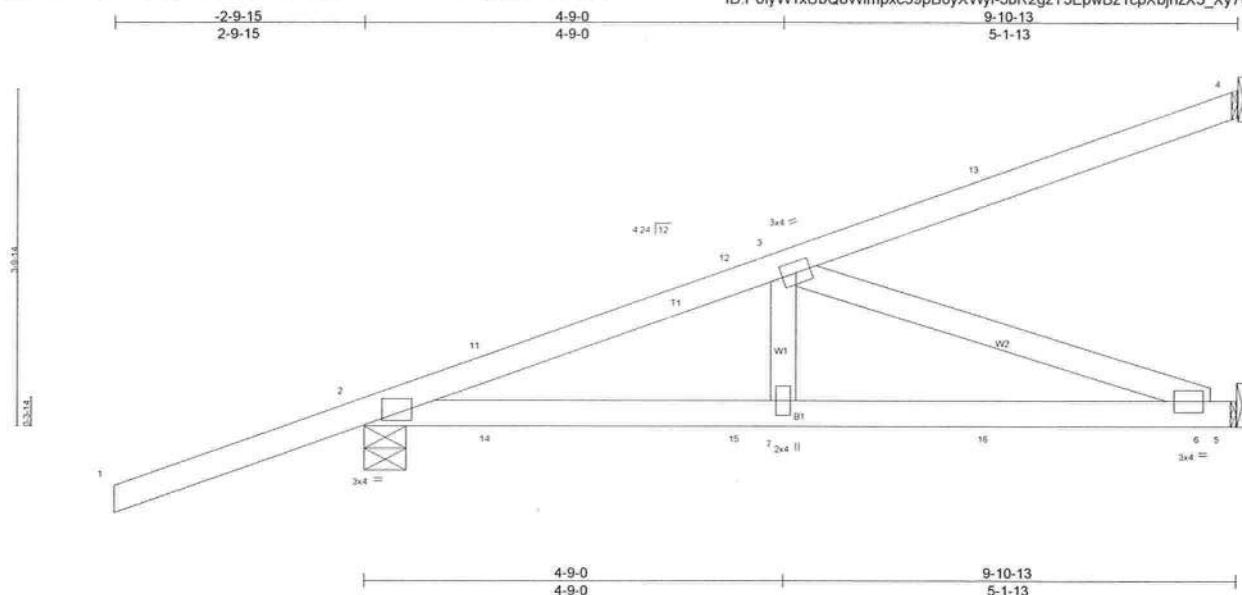


Plate Offsets (X,Y): [2.0-2.7,0.0-9]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.59	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.47	Vert(LL) 0.09 6-7 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.36	Vert(TL) -0.10 6-7 >999 180		
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)	Horz(TL) -0.01 5 n/a n/a		
				Weight: 44 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 6-0-0 oc purfins.
Rigid ceiling directly applied or 7-4-5 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=120/Mechanical, 2=368/0-5-11 (min. 0-1-8), 5=194/Mechanical
Max Horz 2=234(LC 4)
Max Uplift 4=139(LC 4), 2=-334(LC 4), 5=-211(LC 8)
Max Grav 4=147(LC 2), 2=453(LC 2), 5=225(LC 2)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-621/447, 11-12=-569/478, 3-12=-570/473
BOT CHORD 2-14=-573/570, 14-15=-573/570, 7-15=-573/570, 7-16=-573/570, 6-16=-573/570
WEBS 3-6=-604/607

NOTES

- 1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C, Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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 139 lb uplift at joint 4, 334 lb uplift at joint 2 and 211 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 43 lb down and 41 lb up at 1-5-12, 43 lb down and 41 lb up at 1-5-12, 3 lb down and 50 lb up at 4-3-11, 3 lb down and 50 lb up at 4-3-11, and 43 lb down and 93 lb up at 7-1-10, and 43 lb down and 93 lb up at 7-1-10 on top chord, and 30 lb up at 1-5-12, 30 lb up at 1-5-12, 3 lb down and 31 lb up at 4-3-11, 3 lb down and 31 lb up at 4-3-11, and 26 lb down and 45 lb up at 7-1-10, and 26 lb down and 45 lb up at 7-1-10 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)

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 5-8=-10

Continued on page 2



November 6, 2012



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

Job 442838	Truss HJ9A	Truss Type MONO TRUSS	Qty 2	Ply 1	BLAKE CONST. - WARD RES.	i6092851
Builders FirstSource, Lake City, FL 32055		Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:10 2012 Page 1 ID: P0lyW1xUbQ8Wlmpxc59pB0yXWyl-Xn?QuJZk?721bAB?5IEOWMe9RMWl7LkG4Pz7GkyLzHh				

Scale = 1/247

Plate Offsets (X, Y): [2-0-0.11, Edge]				
LOADING (psf) TCCL 20.0 TCCL 7.0 BCCL 0.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2010/TPI2007	CSI TC 0.58 BC 0.26 WB 0.25 (Matrix-M)	DEFL in (loc) l/defl L/d Vert(LL) 0.03 6-7 >999 240 Vert(TL) -0.03 6-7 >999 180 Horz(TL) -0.01 5 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 44 lb FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 REACTIONS All bearings Mechanical except (jt=length) 2=0-5-11, 6=0-6-7. (lb) - Max Horz 2=234(LC 4) Max Uplift All uplift 100 lb or less at joint(s) 5 except 4=137(LC 4), 2=338(LC 4), 6=356(LC 4) Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=424(LC 2), 6=335(LC 3) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-11=-521/391, 11-12=-469/417, 3-12=-470/402 BOT CHORD 2-14=-501/477, 14-15=-501/477, 7-15=-501/477, 7-16=-501/477, 6-16=-501/477 WEBS 3-6=-514/541 NOTES (9-11) 1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a live load of 20.0psf on the bottom chord 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 100 lb uplift at joint(s) 5 except (jt=lb) 4=137, 2=338, 6=356. 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) 43 lb down and 41 lb up at 1-5-12, 43 lb down and 41 lb up at 1-5-12, 3 lb down and 50 lb up at 4-3-11, 3 lb down and 50 lb up at 4-3-11, and 43 lb down and 93 lb up at 7-1-10, and 43 lb down and 93 lb up at 7-1-10 on top chord, and 19 lb down and 30 lb up at 1-5-12, 19 lb down and 30 lb up at 1-5-12, 3 lb down and 31 lb up at 4-3-11, 3 lb down and 31 lb up at 4-3-11, and 26 lb down and 45 lb up at 7-1-10, and 26 lb down and 45 lb up at 7-1-10 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	BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purfins. BOT CHORD Rigid ceiling directly applied or 8-1-12 oc bracing. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>
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Continued on page 2

November 6, 2012

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

Job 442838	Truss T01	Truss Type HIP	Qty 1	Ply 1	BLAKE CONST. - WARD RES. Job Reference (optional) 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:13 2012 Page 1 ID: P0lyW1xUbQ8Wmpxc59pB0yXWyl-yMgYWKbcl2QcSewamQoj7NGc1ZODKeijmNBns2yLzHe	I6092852
Builders FirstSource, Lake City, FL 32055						

Plate Offsets (X,Y): [2-0-2-9-0-1-8], [7-0-2-9-0-1-8]								
LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plates Increase 1.25	TC 0.88	Vert(LL) 0.22	10	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.86	Vert(TL) -0.37	9-10	>834	180		
BCCL 0.0 *	Rep Stress Incr NO	WB 0.45	Horz(TL) 0.13	7	n/a	n/a		
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)						
							Weight: 123 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.

BOT CHORD Rigid ceiling directly applied or 4-10-8 oc bracing.

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

REACTIONS (lb/size) 2=1368/0-3-8 (min. 0-1-15), 7=1368/0-3-8 (min. 0-1-15)

Max Horz 2=-56(LC 9)

Max Uplift 2=-764(LC 8), 7=-755(LC 9)

Max Grav 2=1624(LC 2), 7=1624(LC 2)

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

TOP CHORD 2-3=-2846/1421, 3-19=-2493/1319, 4-19=-2493/1319, 4-20=-3038/1487, 5-20=-3038/1487, 5-21=-2493/1302, 6-21=-2493/1302, 6-7=-2846/1411

BOT CHORD 2-12=-1218/2461, 12-22=-1441/2998, 22-23=-1441/2998, 11-23=-1441/2998, 10-11=-1441/2998, 10-24=-1435/2998, 24-25=-1435/2998, 9-25=-1435/2998, 7-9=-1186/2461

WEBS 3-12=-368/815, 4-12=-758/332, 5-9=-742/320, 6-9=-359/804

NOTES (11-13)

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCDL=3.0psf, h=18ft, Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 2=764, 7=755.

8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 178 lb down and 238 lb up at 7-0-0, 85 lb down and 92 lb up at 9-0-12, 85 lb down and 92 lb up at 11-0-12, 85 lb down and 92 lb up at 13-0-0, 85 lb down and 92 lb up at 14-11-4, and 85 lb down and 92 lb up at 16-11-4, and 218 lb down and 238 lb up at 19-0-0 on top chord, and 240 lb down and 214 lb up at 7-0-0, 49 lb down at 9-0-12, 49 lb down at 11-0-12, 49 lb down at 13-0-0, 49 lb down at 14-11-4, and 49 lb down at 16-11-4, and 240 lb down and 214 lb up at 18-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

11) 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.

12) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB.

13) 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 6, 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 442838	Truss T02	Truss Type HIP	Qty 1	Ply 1	BLAKE CONST. - WARD RES.	I6092853
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 7 350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:15 2012 Page 1 ID:P0lyW1xUbQ8Wlmpxc59pB0yXWyl-ukoJx0dsqfgKhy4zurqBD0L1IN9Xodf0EgguxxyLzHc	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>2-0-0 4-9-5 9-0-0 17-0-0 21-2-11 26-0-0 28-0-0</p> <p>2-0-0 4-9-5 4-2-11 8-0-0 4-2-11 4-9-5 2-0-0</p> </div> <div style="width: 50%; text-align: right;"> <p>Scale = 1/4" = 1'-0"</p> </div> </div>						
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>9-0-0 17-0-0 26-0-0</p> <p>9-0-0 8-0-0 9-0-0</p> </div> <div style="width: 50%; text-align: right;"> <p>Scale = 1/4" = 1'-0"</p> </div> </div>						
Plate Offsets (X,Y): [2-0-2-10,0-1-8], [5-0-5-8,0-2-4], [7-0-2-10,0-1-8]						
LOADING (psf) TCCL 20.0 TCCL 7.0 BCCL 0.0 * BCDL 5.0		SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2010/TP12007		CSI TC 0.57 BC 0.55 WB 0.14 (Matrix-M)		DEFL in (loc) l/defl L/d Vert(LL) -0.11 9-17 >999 240 Vert(TL) -0.21 9-17 >999 180 Horz(TL) 0.06 7 n/a n/a
				PLATES MT20 GRIP 244/190 Weight: 127 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 4-8-2 oc purlins. BOT CHORD Rigid ceiling directly applied or 7-2-2 oc bracing. WEBS 1 Row at midpt 5-11 <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>						
REACTIONS (lb/size) 2=790/0-3-8 (min. 0-1-8), 7=790/0-3-8 (min. 0-1-8) Max Horz 2=-69(LC 17) Max Uplift 2=-217(LC 12), 7=-217(LC 13) Max Grav 2=940(LC 2), 7=940(LC 2)						
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1532/895, 3-4=-1297/763, 4-5=-1149/740, 5-6=-1296/763, 6-7=-1531/895 BOT CHORD 2-11=-665/1364, 10-11=-451/1150, 9-10=-451/1150, 7-9=-673/1425 WEBS 3-11=-264/253, 4-11=-65/274, 5-9=-67/274, 6-9=-263/252						
NOTES (9-11) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; 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 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi. 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=217, 7=217. 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss. 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						

November 6, 2012



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



Job 442838	Truss T04	Truss Type COMMON	Qty 4	Ply 1	BLAKE CONST. - WARD RES.	I6092855
Builders FirstSource, Lake City, FL 32055					7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:19 2012 Page 1	
ID: P0lyW1xUbQ8Wlmpxc59pB0yXWyl-nW2qnOgNuuBmAZNk7hv7NeWjz_WtkOJb8le64iyLzHY					Job Reference (optional)	
<div style="display: flex; justify-content: space-between;"> <div> -2-0-0 2-0-0 </div> <div> 6-10-0 6-10-0 </div> <div> 13-0-0 6-2-0 </div> <div> 19-2-0 6-2-0 </div> <div> 26-0-0 6-10-0 </div> <div> 28-0-0 2-0-0 </div> </div>						
Scale = 1/4" = 1'-0"						
Plate Offsets (X,Y): [2-0-2-10,0-1-8], [3-0-3-0,0-3-0], [5-0-3-0,0-3-0], [6-0-2-10,0-1-8]						
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 BCDL 5.0		SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2010/TP12007		CSI TC 0.47 BC 0.53 WB 0.35 (Matrix-M)		DEFL in (loc) l/defl L/d Vert(LL) -0.18 8-10 >999 240 Vert(TL) -0.28 8-10 >999 180 Horz(TL) 0.05 6 n/a n/a
				PLATES MT20 GRIP 244/190 Weight: 122 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 4-4-9 oc purlins. BOT CHORD Rigid ceiling directly applied or 7-6-6 oc bracing. <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>			
REACTIONS (lb/size) 2=837/0-3-8 (min. 0-1-8), 6=837/0-3-8 (min. 0-1-8) Max Horz 2=-93(LC 13) Max Uplift 2=-241(LC 12), 6=-241(LC 13) Max Grav 2=940(LC 2), 6=940(LC 2)						
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1598/855, 3-4=-1437/843, 4-5=-1437/843, 5-6=-1598/855 BOT CHORD 2-10=-607/1609, 10-17=-273/942, 9-17=-273/942, 9-18=-273/942, 6-8=-611/1663 WEBS 4-8=-289/530, 5-8=-367/349, 4-10=-289/530, 3-10=-367/349						
NOTES (8-10) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp C; 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 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, with BCDL = 5.0psf. 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 100 lb uplift at joint(s) except (jt=lb) 2=241, 6=241. 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 6, 2012

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

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - WARD RES.	16092857
442838	T06	ROOF TRUSS	1	1		

Builders FirstSource, Lake City, FL 32055

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ID: P0lyW1xUbQ8Wmpxc59pB0yXWyl-B5jyPPiFapZK106JopSq?H8FICW6xfa2rGtmh1yLzHV

2-0-0 4-3-8 6-3-8 12-0-0 15-0-0 18-0-0 23-4-0 28-0-0 30-0-0
2-0-0 4-3-8 2-0-0 5-8-8 3-0-0 3-0-0 5-4-0 4-8-0 2-0-0

Scale = 1/32"

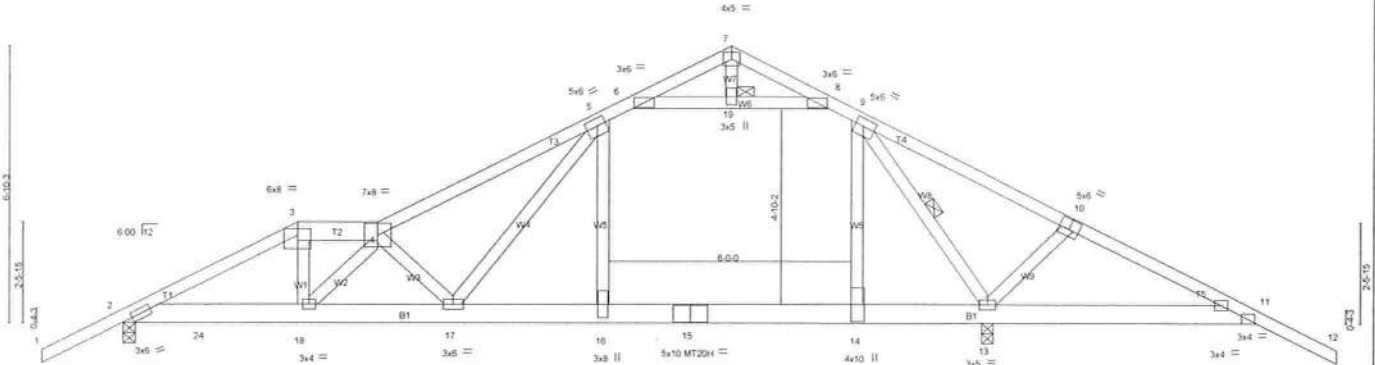


Plate Offsets (X,Y):	[3-0-4-0,0-1-15], [5-0-2-8,0-2-4], [9-0-2-8,0-2-4], [10-0-3-0,0-3-0], [11-0-0-4,Edge], [14-0-5-0,0-0-0]
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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plates Increase	1.25	TC 0.43	Vert(LL)	-0.32 16-17	>792	240	MT20	244/190
TCCL 7.0	Lumber Increase	1.25	BC 0.68	Vert(TL)	-0.74 16-17	>348	180	MT20H	187/143
BCCL 0.0 *	Rep Stress Incr	NO	WB 0.71	Horz(TL)	0.03 13	n/a	n/a		
BCCL 5.0	Code FBC2010/TPI2007		(Matrix-M)	Attic	0.18 14-16	425	360		
								Weight: 173 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SYP M 31 "Except"	TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins.
T2: 2x6 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
BOT CHORD 2x6 SYP SS	WEBS 1 Row at midpt 9-13
WEBS 2x4 SP No.3	JOINTS 1 Brace at Jt(s): 19

REACTIONS	(lb/size) 2=1123/0-3-8 (min. 0-1-8), 13=1628/0-3-8 (min. 0-1-15)
	Max Horz 2=-93(LC 9)
	Max Uplift 2=-265(LC 8), 13=-180(LC 9)
	Max Grav 2=1197(LC 22), 13=1628(LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1747/250, 3-4=-1574/253, 4-5=-1782/170, 5-6=-745/44, 8-9=-780/60, 9-10=-226/870, 10-11=-234/688
BOT CHORD	2-24=-244/1528, 18-24=-244/1528, 17-18=-235/2010, 16-17=0/791, 15-16=0/791, 14-15=0/791, 13-14=0/791, 11-13=-569/246
WEBS	3-18=-45/670, 4-18=-751/0, 4-17=-802/232, 5-17=-261/1305, 5-16=-683/186, 9-14=-42/1229, 9-13=-2372/120, 6-19=-840/55, 8-19=-840/55

- NOTES (15-17)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); cantilever right exposed; 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.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 5-6, 8-9, 6-19, 8-19; Wall dead load (5.0psf) on member(s). 5-16, 9-14
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
 - 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=265, 13=180.
 - "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) 391 lb down and 153 lb up at 1-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
 - 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 CASES per Standard



November 6, 2012

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - WARD RES.	I6092858
442838	T07	ROOF TRUSS	1	1		

Builders FirstSource, Lake City, FL 32055

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ID: P0lyW1xUbQ8Wlmpxc59pB0yXWyl-7Trjq5kVlQp2GKGhwEUJ4lDd77ENPaYKlaMtlwyLzHT

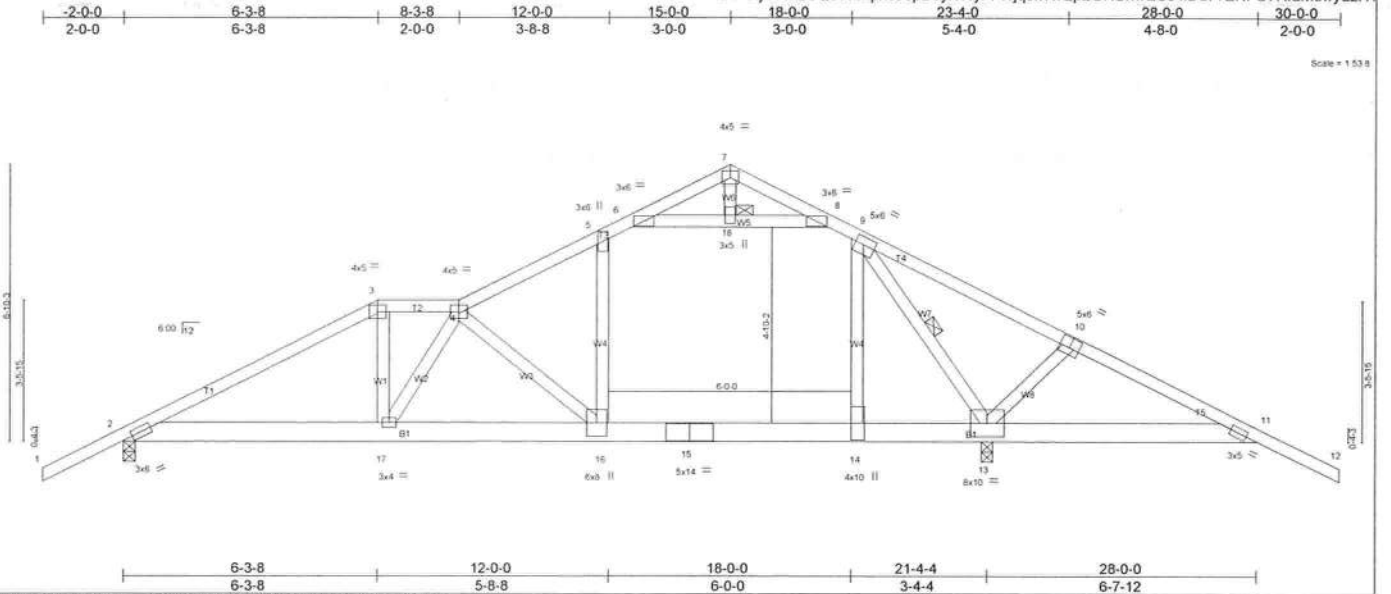


Plate Offsets (X,Y): [9-0-2-8,0-2-4], [10-0-3-0,0-3-0], [14-0-5-0,0-0-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	0.43 16-17	>594	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.57	Vert(TL)	-0.66 16-17	>386	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.67	Horz(TL)	0.02 13	n/a	n/a		
BCDL 5.0	Code FBC2010/TPI2007		(Matrix-M)	Attic	-0.16 14-16	470	360		
								Weight: 169 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SYP M 31
BOT CHORD 2x6 SYP SS
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-13
JOINTS 1 Brace at Jt(s): 18

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

REACTIONS (lb/size) 2=798/0-3-8 (min. 0-1-8), 13=1590/0-3-8 (min. 0-2-3)
Max Horz 2=-93(LC 13)
Max Uplift 2=-137(LC 12), 13=-171(LC 13)
Max Grav 2=828(LC 28), 13=1590(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1665/261, 3-4=-1478/288, 4-5=-1101/0, 5-6=-862/29, 8-9=-953/49, 9-10=-979/865, 10-11=-924/692
BOT CHORD 2-17=-100/1473, 16-17=-50/1595, 15-16=0/904, 14-15=0/904, 13-14=0/904, 11-13=-606/972
WEBS 3-17=0/542, 4-17=-275/47, 4-16=-974/449, 5-16=0/302, 9-14=-295/1267, 9-13=-2632/1206, 10-13=-264/257, 6-18=-851/20, 8-18=-851/20

- NOTES** (12-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCCL=3.0psf, h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever right exposed, 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.
 - Ceiling dead load (5.0 psf) on member(s) 4-5, 5-6, 8-9, 6-18, 8-18; Wall dead load (5.0psf) on member(s) 5-16, 9-14
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
 - 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=137, 13=171.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
 - 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 6, 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. 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 BC311 Building Component Safety Information available from Truss Plate Institute, 583 D'Oncio Drive, Madison, WI 53719.

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Boynton Beach, FL 33435

Job 442838	Truss T09	Truss Type ROOF TRUSS	Qty 1	Ply 1	BLAKE CONST. - WARD RES.	I6092860
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)	
<div style="display: flex; justify-content: space-between;"> -2-0-0 2-0-0 6-1-11 6-1-11 10-3-8 4-1-13 12-0-0 12-3-8 1-8-8 0-3-8 15-0-0 2-8-8 18-0-0 3-0-0 23-4-0 5-4-0 28-0-0 4-8-0 </div>					<div style="display: flex; justify-content: space-between;"> 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Nov 06 07:50:29 2012 Page 1 ID: P0lyW1xUbQ8WImpxc59pB0yXWyl-URectoeXyRLN58fn4UnlwUW0vY4sx3Ss3eR7yLzHQ </div>	
Scale = 1/50 ft						
<div style="display: flex; justify-content: space-between;"> 6-1-11 6-1-11 10-3-8 4-1-13 12-0-0 12-3-8 1-8-8 0-3-8 18-0-0 5-8-8 21-4-4 3-4-4 28-0-0 6-7-12 </div>						
Plate Offsets (X,Y): [5-0-2-15,Edge], [11-0-0-12,Edge]						
LOADING (psf) TCCL 20.0 TCCL 7.0 BCCL 0.0 BCDL 5.0		SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2010/TPI2007		CSI TC 0.27 BC 0.70 WB 0.54 (Matrix-M)		DEFL in (loc) l/defl L/d Vert(LL) 0.14 15 >999 240 Vert(TL) -0.29 13-15 >880 180 Horz(TL) 0.05 11 n/a n/a Attic -0.07 13-15 1115 360
PLATES MT20		GRIP 244/190		Weight: 176 lb FT = 20%		
LUMBER TOP CHORD 2x4 SYP M 31 BOT CHORD 2x6 SYP No 2 WEBS 2x4 SP No 3 *Except* W5: 2x4 SP No 2						
REACTIONS (lb/size) 11=649/0-3-8 (min. 0-1-8), 2=1021/0-3-8 (min. 0-1-8), 12=613/0-3-8 (min. 0-1-8) Max Horz 2=108(LC 16) Max Uplift 11=-76(LC 12), 2=-171(LC 12), 12=-140(LC 13) Max Grav 11=649(LC 1), 2=1021(LC 2), 12=702(LC 27)						
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2154/631, 3-4=-1771/497, 4-5=-1564/485, 5-6=-1532/437, 8-9=-1514/447, 9-10=-1267/329, 10-11=-1423/390 BOT CHORD 2-17=-465/1863, 16-17=-465/1863, 15-16=-143/1465, 14-15=-151/1468, 13-14=-151/1468, 12-13=-151/1468, 11-12=-283/1249 WEBS 3-16=-470/317, 4-16=-77/463, 9-13=-11/706, 9-12=-799/112, 10-12=-320/283, 5-15=-319/280, 6-18=-1467/402, 8-18=-1467/402						
NOTES (13-15) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10, 130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; 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 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) Ceiling dead load (5.0 psf) on member(s) 4-5, 5-6, 8-9, 6-18, 8-18; Wall dead load (5.0psf) on member(s) 9-13, 5-15 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15 8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi. 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (it=lb) 2=171, 12=140. 10) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss. 11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails. 12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE. 13) 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. 14) Note: Visually graded lumber designation SPP, represents new lumber design values as per SPIB. 15) 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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