

Julius Lee

RE: 368531 -

**1109 Coastal Bay Blvd.
Boynton Beach, FL 33435**

Site Information:

Project Customer: Dreambuilder Custom Homes Project Name: 368531 Model: 2617
Lot/Block: 5 Subdivision: The Sanctuary
Address:
City: Duval State: Florida

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

Name: Pontigo, Luis Antonio, PE License #: 53311
Address: 420 Osceola Ave.
City: Jacksonville Beach State: Florida

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

Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.3
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 38 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.

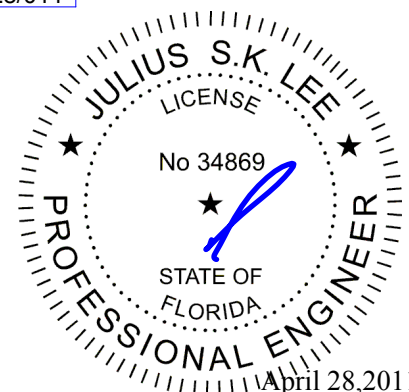
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I4717610	CJ01	4/28/011	18	I4717627	T04	4/28/011
2	I4717611	CJ02	4/28/011	19	I4717628	T05	4/28/011
3	I4717612	CJ03	4/28/011	20	I4717629	T06	4/28/011
4	I4717613	CJ04	4/28/011	21	I4717630	T07	4/28/011
5	I4717614	CJ05	4/28/011	22	I4717631	T08	4/28/011
6	I4717615	CJ06	4/28/011	23	I4717632	T09	4/28/011
7	I4717616	EJ01	4/28/011	24	I4717633	T10	4/28/011
8	I4717617	EJ02	4/28/011	25	I4717634	T11	4/28/011
9	I4717618	EJ03	4/28/011	26	I4717635	T12	4/28/011
10	I4717619	EJ04	4/28/011	27	I4717636	T13	4/28/011
11	I4717620	HJ01	4/28/011	28	I4717637	T14	4/28/011
12	I4717621	HJ02	4/28/011	29	I4717638	T15	4/28/011
13	I4717622	HJ03	4/28/011	30	I4717639	T16	4/28/011
14	I4717623	HJ04	4/28/011	31	I4717640	T17	4/28/011
15	I4717624	T01	4/28/011	32	I4717641	T18	4/28/011
16	I4717625	T02	4/28/011	33	I4717642	T19	4/28/011
17	I4717626	T03	4/28/011	34	I4717643	T20	4/28/011

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.



RE: 368531 -

Site Information:

Project Customer: Dreambuilder Custom Homes Project Name: 368531 Model: 2617

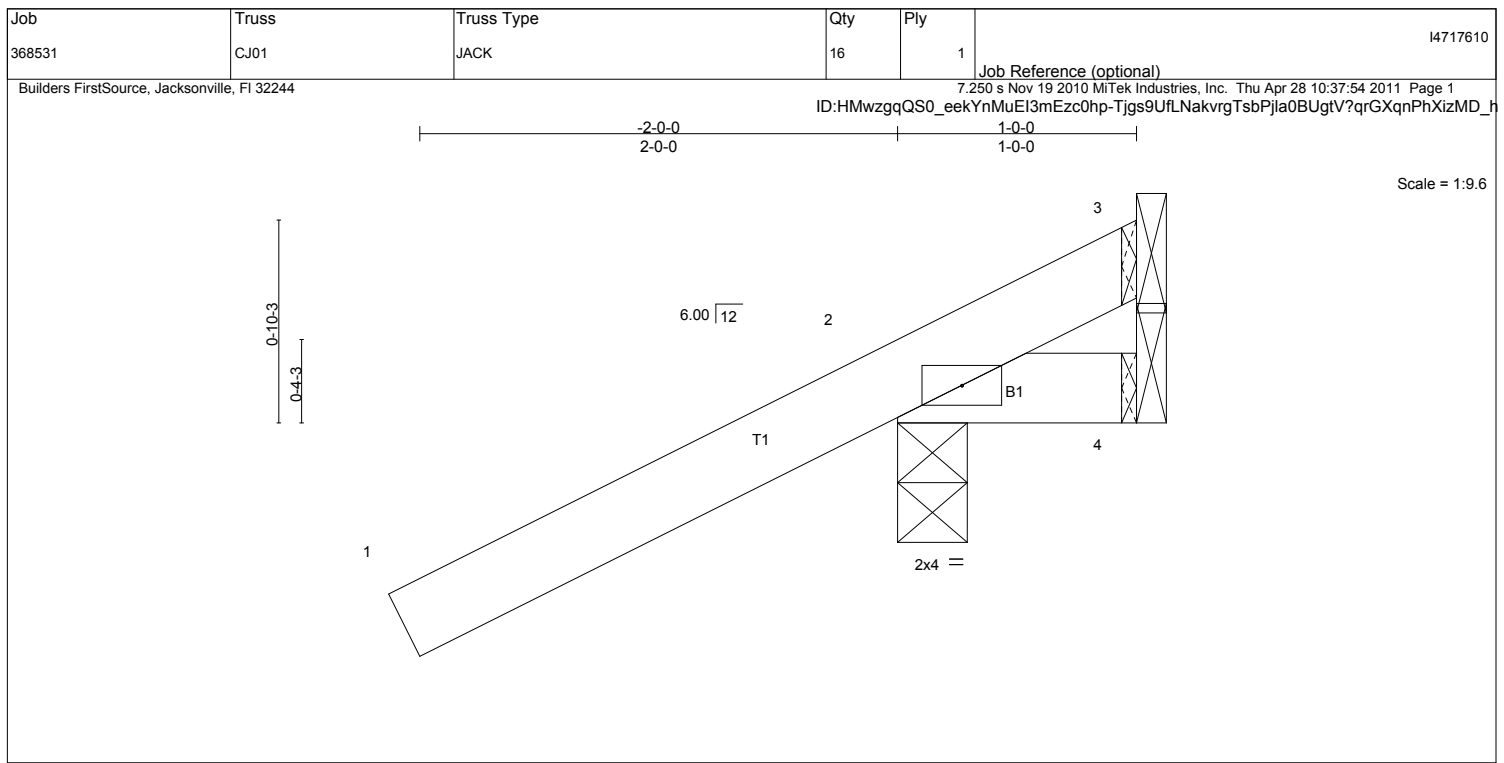
Lot/Block: 5 Subdivision: The Sanctuary

Address:

City: Duval

State: Florida

No.	Seal#	Truss Name	Date
35	I4717644	T21	4/28/011
36	I4717645	T22	4/28/011
37	I4717646	T23	4/28/011
38	I4717647	T24	4/28/011



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.35	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(LL) -0.00 2 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
	Code FBC2007/TPI2002			Weight: 7 lb	FT = 20%

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP 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.
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MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

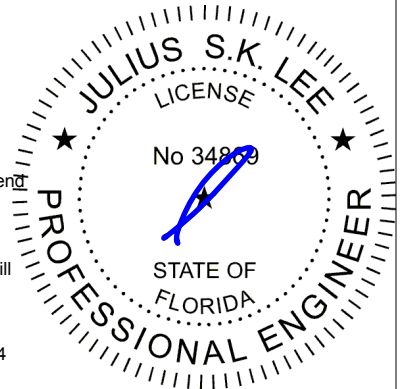
REACTIONS (lb/size) 2=267/0-3-8, 4=5/Mechanical, 3=-98/Mechanical
Max Horz 2=106(LC 6)
Max Uplift 2=-365(LC 6), 4=-11(LC 4), 3=-98(LC 1)
Max Grav 2=267(LC 1), 4=14(LC 2), 3=166(LC 6)

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

NOTES (8-11)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 365 lb uplift at joint 2, 11 lb uplift at joint 4 and 98 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) 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



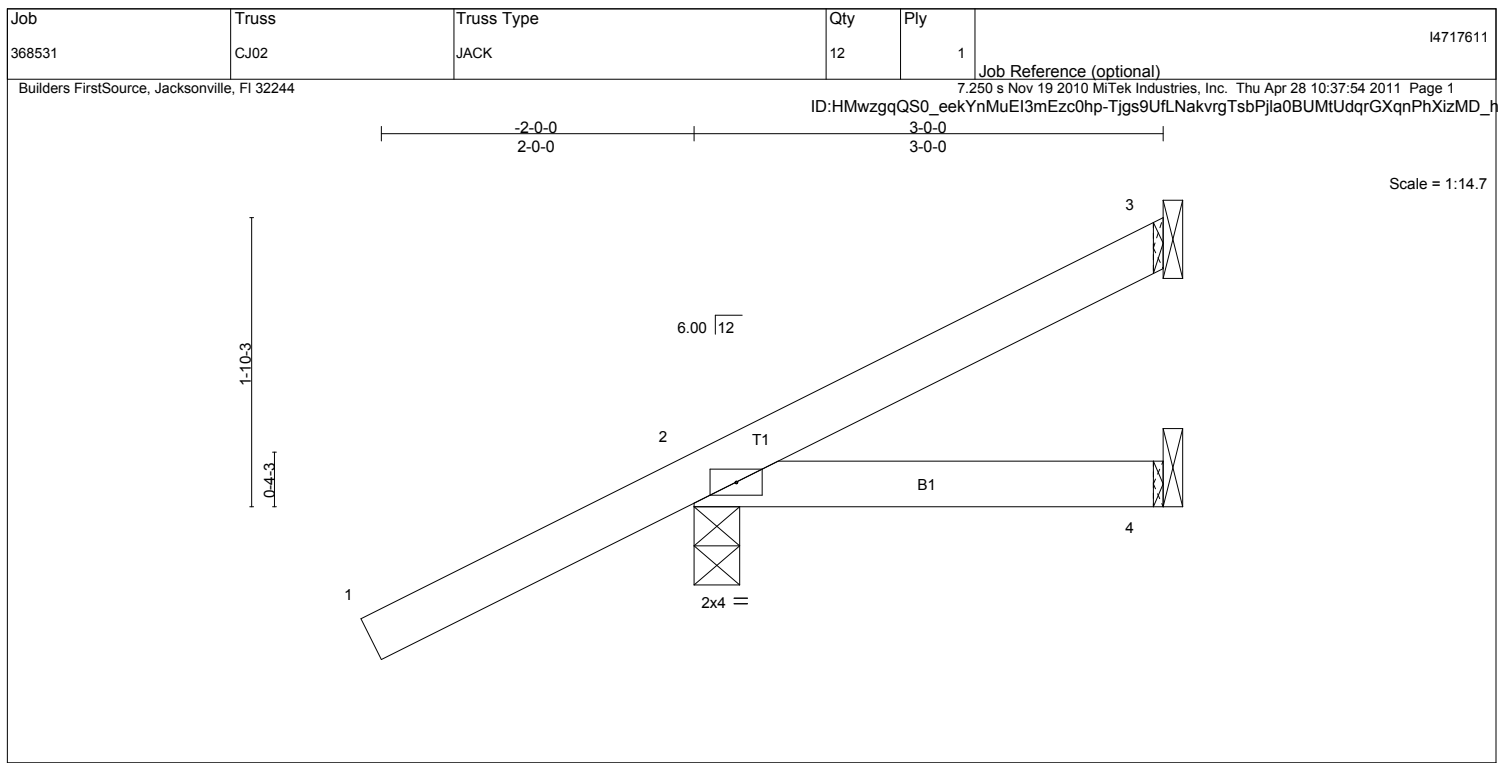
April 28, 2011



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.

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.10	Vert(LL) 0.01 2-4 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.01 2-4 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2007/TPI2002			Weight: 13 lb	FT = 20%

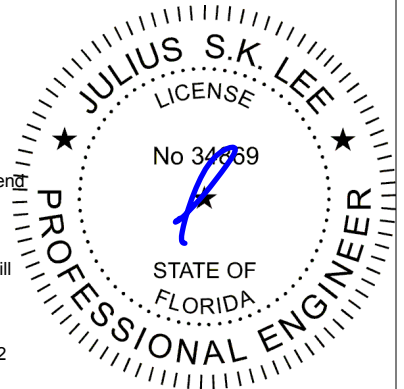
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=28/Mechanical, 2=256/0-3-8, 4=14/Mechanical
 Max Horz 2=159(LC 6)
 Max Uplift 3=-33(LC 7), 2=-301(LC 6), 4=-33(LC 4)
 Max Grav 3=28(LC 1), 2=256(LC 1), 4=42(LC 2)

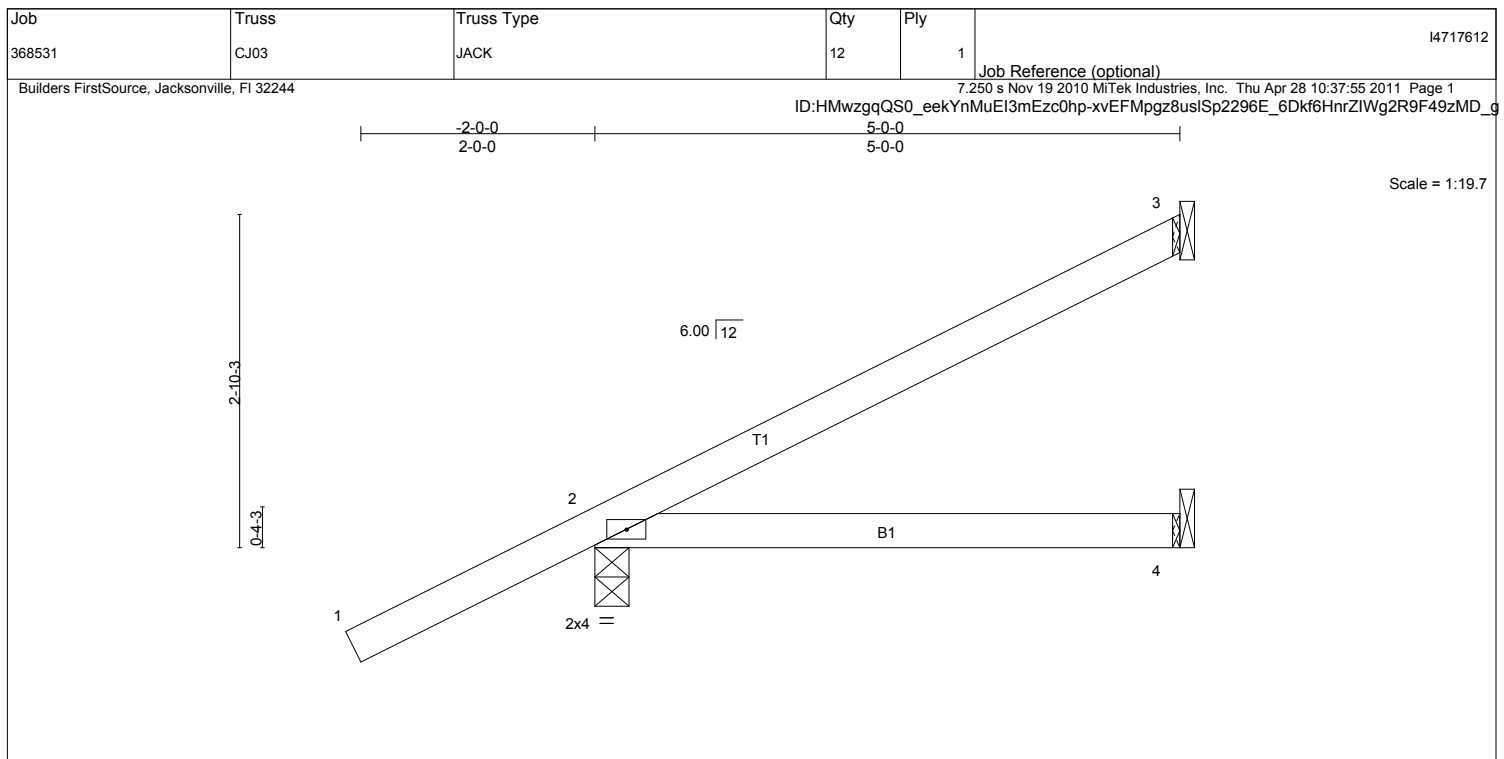
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES** (8-11)
- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3, 301 lb uplift at joint 2 and 33 lb uplift at joint 4.
 - 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
 - 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



April 28, 2011



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.29	Vert(LL) 0.10 2-4 >557 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) 0.09 2-4 >633 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2007/TPI2002			Weight: 19 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

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

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

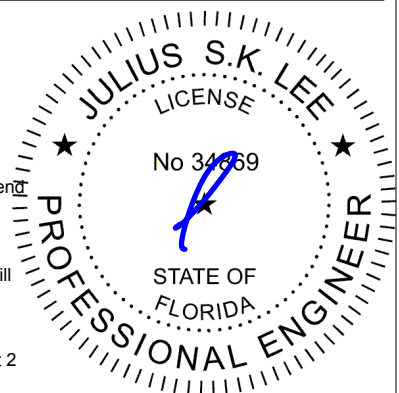
REACTIONS (lb/size) 3=102/Mechanical, 2=300/0-3-8, 4=24/Mechanical
Max Horz 2=214(LC 6)
Max Uplift 3=-105(LC 6), 2=-327(LC 6), 4=-57(LC 4)
Max Grav 3=102(LC 1), 2=300(LC 1), 4=72(LC 2)

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

NOTES

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 3, 327 lb uplift at joint 2 and 57 lb uplift at joint 4.
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



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Boynton, FL 33435

Job 368531	Truss CJ04	Truss Type SPECIAL	Qty 2	Ply 1	Job Reference (optional) I4717613
Builders FirstSource, Jacksonville, FL 32244			7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:37:55 2011 Page 1		
ID:HMwzgqQS0_eeKYNuEl3mEzc0hp-xvEFMpgz8usiSp2296E_6Dkf6Hr6ZIJg2R9F49zMD_g					

Scale = 1:14.7

Plate Offsets (X,Y): [6:0-2-8,0-2-4]					
LOADING (psf)	SPACING	CSI	DEFL		PLATES GRIP
TCLL 20.0	2-0-0	TC 0.37	in (loc)	l/defl L/d	MT20 244/190
TCDL 7.0	Plates Increase 1.25	BC 0.02	Vert(LL) -0.01 6 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.01	Vert(TL) -0.01 6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.01 5 n/a n/a		
					Weight: 14 lb FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

REACTIONS (lb/size) 4=36/Mechanical, 2=256/0-3-8, 5=6/Mechanical

Max Horz 2=159(LC 6)

Max Uplift 4=-28(LC 7), 2=-259(LC 6)

Max Grav 4=36(LC 1), 2=256(LC 1), 5=17(LC 2)

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

NOTES (8-11)

1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .

5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 4 and 259 lb uplift at joint 2.

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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)

10) 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 3-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

April 28,2011

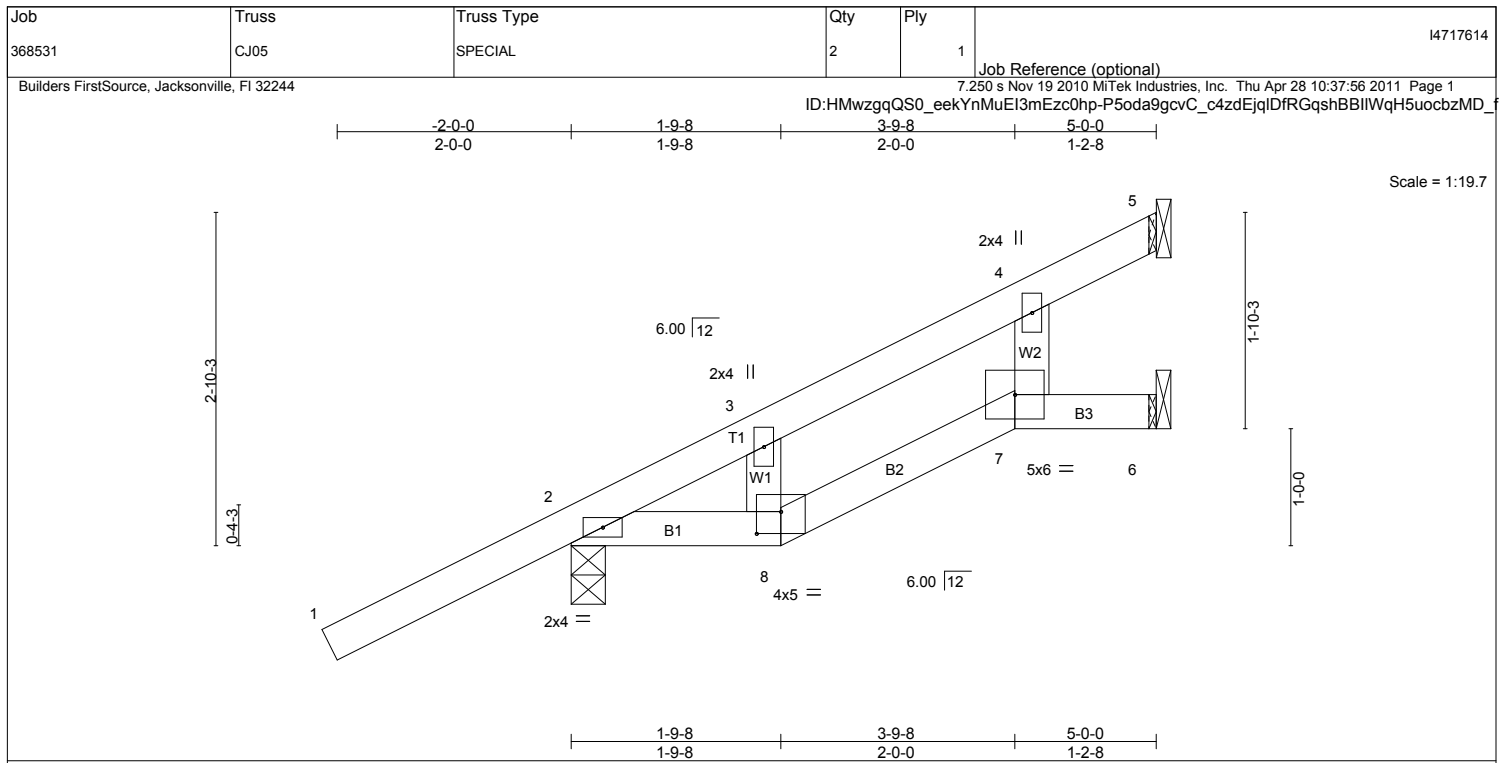


Plate Offsets (X,Y): [8:0-2-8,0-2-4]

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 FBC2007/TPI2002

CSI
TC 0.37
BC 0.03
WB 0.02
(Matrix)

DEFL in (loc) l/defl L/d
Vert(LL) 0.06 8 >999 240
Vert(TL) -0.05 8 >999 180
Horz(TL) -0.01 6 n/a n/a

PLATES MT20
GRIP 244/190

Weight: 22 lb FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

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

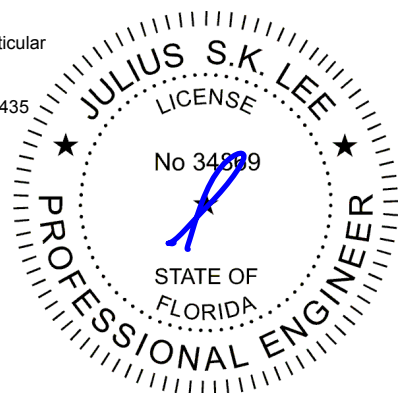
REACTIONS (lb/size) 5=120/Mechanical, 2=300/0-3-8, 6=6/Mechanical
Max Horz 2=214(LC 6)
Max Uplift 5=94(LC 6), 2=255(LC 6)
Max Grav 5=120(LC 1), 2=300(LC 1), 6=17(LC 2)

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

NOTES (8-11)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 5 and 255 lb uplift at joint 2.
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



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Boynton, FL 33435

Job 368531	Truss CJ06	Truss Type JACK	Qty 8	Ply 1	I4717615
Builders FirstSource, Jacksonville, FL 32244			Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:37:56 2011 Page 1		
ID:HMwzqgQS0_eeKYNuEI3mEzc0hp-P5oda9gcvC_c4zdEjqlDfRGvOhBYllmqH5uocbzMD_f					

Scale = 1:8.1

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.02	Vert(LL)	-0.00	1	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	-0.00	1	>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 FBC2007/TPI2002		(Matrix)						Weight: 3 lb	FT = 20%

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP 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. <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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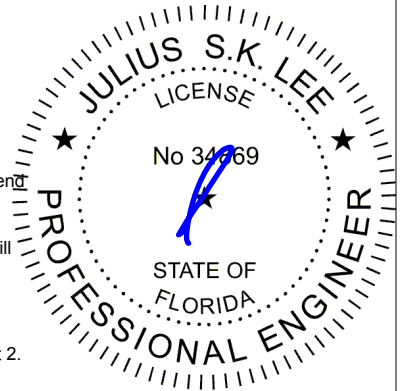
REACTIONS (lb/size) 1=31/0-1-8, 3=5/Mechanical, 2=26/Mechanical
 Max Horz 1=39(LC 6)
 Max Uplift 1=-5(LC 6), 2=-37(LC 6)
 Max Grav 1=31(LC 1), 3=15(LC 2), 2=26(LC 1)

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

NOTES (9-12)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 1 and 37 lb uplift at joint 2.
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

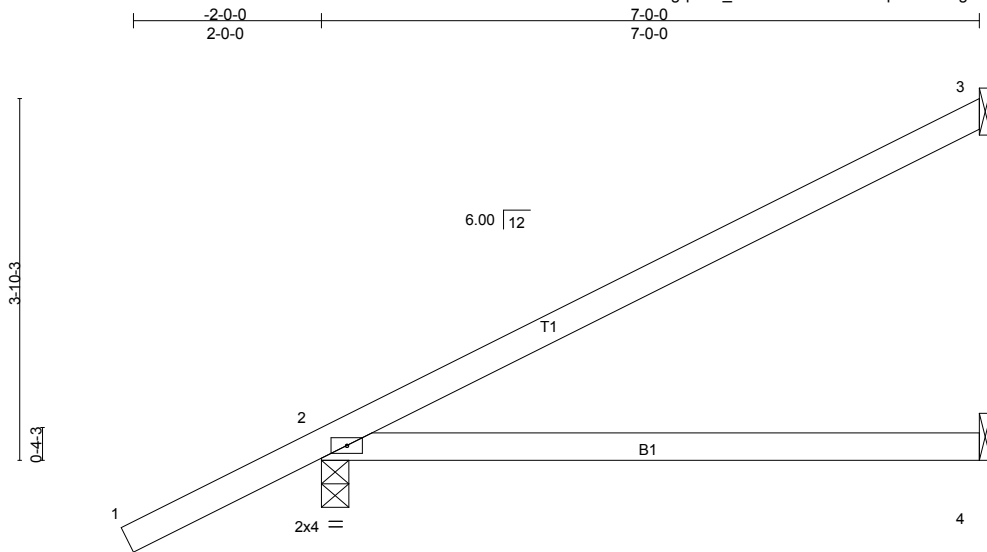
LOAD CASE(S) Standard



April 28, 2011

Job 368531	Truss EJ01	Truss Type MONO TRUSS	Qty 25	Ply 1	Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:37:56 2011 Page 1 ID:HMwzqQSQ0_eeKYNuEl3mEzc0hp-P5oda9gcvC_c4zdEjqlDfRGnjh2blmqH5uocbzMD_f
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Builders FirstSource, Jacksonville, FL 32244



Scale = 1:24.5

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.58	Vert(LL) 0.41 2-4 >198 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.58	Vert(TL) 0.36 2-4 >226 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)		Weight: 26 lb FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP 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.

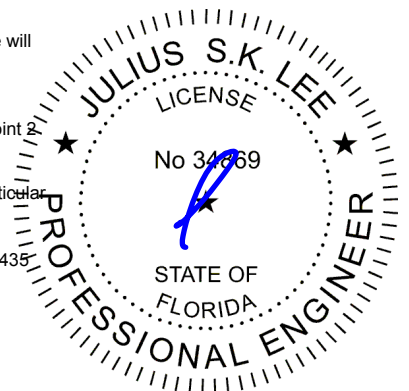
REACTIONS (lb/size) 3=164/Mechanical, 2=356/0-3-8, 4=34/Mechanical
Max Horz 2=194(LC 6)
Max Uplift 3=-113(LC 6), 2=-285(LC 6), 4=-81(LC 4)
Max Grav 3=164(LC 1), 2=356(LC 1), 4=102(LC 2)

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

NOTES (9-12)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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
- 2) This truss is not designed to support a ceiling and is not intended for use where aesthetics are a consideration.
- 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 SYP No.2.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 3, 285 lb uplift at joint 2 and 81 lb uplift at joint 4.
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



April 28, 2011



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

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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

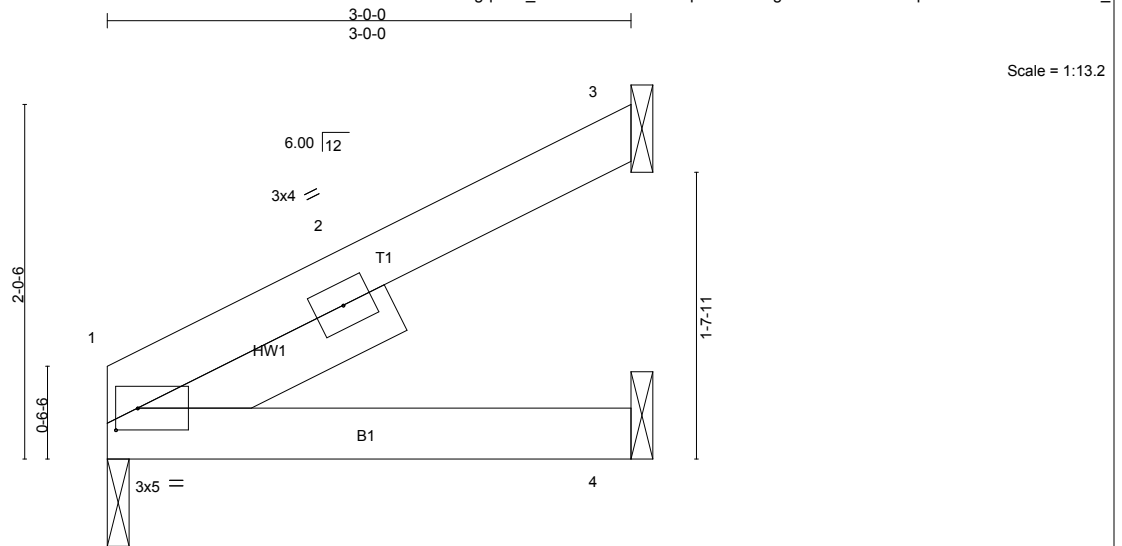


Plate Offsets (X,Y): [1:0-1-8,0-1-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.16	Vert(LL) -0.00 1-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.06	Vert(TL) -0.01 1-4 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)		Weight: 12 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 1-6-15

BRACING

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

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

REACTIONS (lb/size) 1=92/0-1-8, 3=78/Mechanical, 4=14/Mechanical

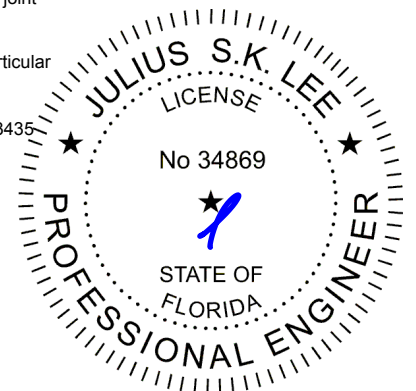
Max Horz 1=93(LC 6)
Max Uplift 1=-31(LC 6), 3=-94(LC 6)
Max Grav 1=92(LC 1), 3=78(LC 1), 4=43(LC 2)

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

NOTES (9-12)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDF=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1 and 94 lb uplift at joint 3.
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



April 28, 2011



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

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 368531	Truss EJ03	Truss Type SPECIAL	Qty 4	Ply 1	i4717618
Builders FirstSource, Jacksonville, FL 32244			Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:37:57 2011 Page 1		
ID:HMwzgqQS0_eeKYNuEI3mEzc0hp-tIL?nVhEgV6T7CQHxHSBepyo5Wn1C3zWleL81zMD_e					

Scale = 1:24.5

Plate Offsets (X,Y): [8:0-2-8,0-2-4]					
LOADING (psf)	SPACING	CSI	DEFL		PLATES
TCLL 20.0	Plates Increase 2-0-0 1.25	TC 0.55	in (loc) l/defl L/d		MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.07	Vert(LL) 0.33 7 >249 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Vert(TL) -0.26 7 >314 180		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Horz(TL) -0.09 6 n/a n/a		
					Weight: 31 lb FT = 20%

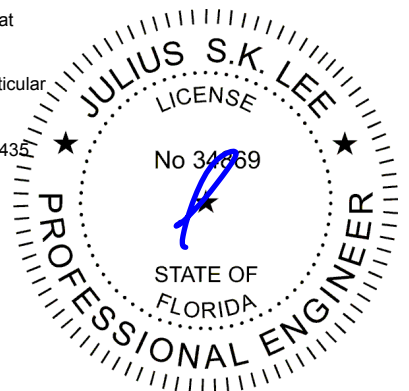
LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>
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REACTIONS (lb/size) 5=182/Mechanical, 2=356/0-3-8, 6=16/Mechanical
 Max Horz 2=194(LC 6)
 Max Uplift 5=-102(LC 6), 2=-184(LC 6)
 Max Grav 5=182(LC 1), 2=356(LC 1), 6=47(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-346/108
 BOT CHORD 2-8=-281/267, 7-8=-290/282

NOTES (8-11)
 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
 5) Refer to girder(s) for truss to truss connections.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 5 and 184 lb uplift at joint 2.
 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
 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



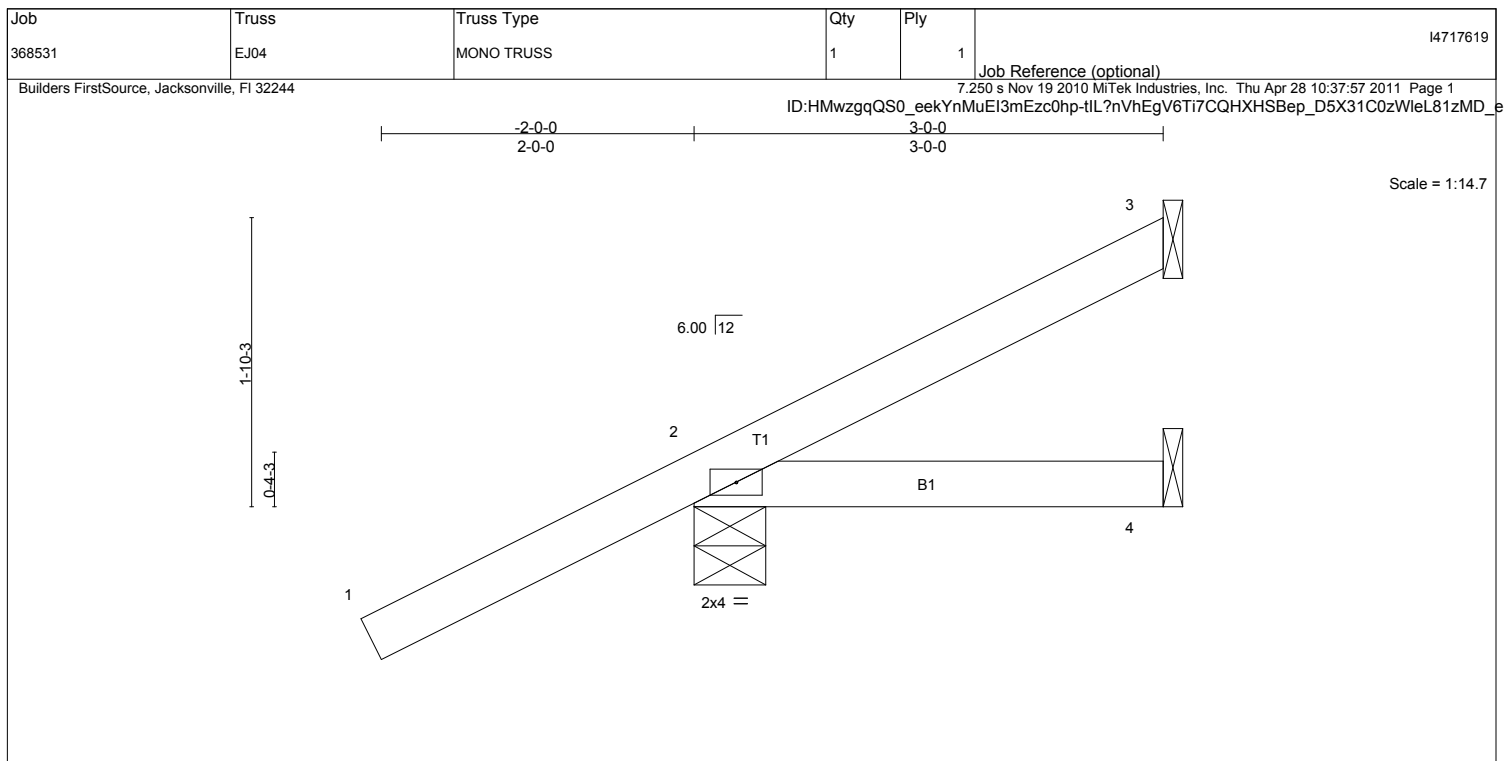
April 28, 2011



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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435



LOADING (psf)

TCLL	20.0
TCDL	7.0
BCLL	0.0 *
BCDL	5.0

SPACING

Plates Increase	2-0-0
Lumber Increase	1.25
Rep Stress Incr	YES
Code FBC2007/TPI2002	

CSI

TC	0.40
BC	0.05
WB	0.00
(Matrix)	

DEFL

	in	(loc)	l/defl	L/d
Vert(LL)	-0.00	2-4	>999	240
Vert(TL)	-0.00	2-4	>999	180
Horz(TL)	-0.00	3	n/a	n/a

PLATES

MT20

GRIP

244/190

Weight: 13 lb FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 3-0-0 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)

3=21/Mechanical, 2=263/0-5-8, 4=14/Mechanical
Max Horz 2=159(LC 6)
Max Uplift 3=-30(LC 7), 2=-269(LC 6)
Max Grav 3=21(LC 1), 2=263(LC 1), 4=41(LC 2)

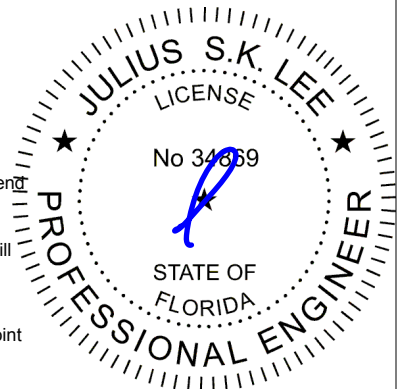
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES (8-11)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 3 and 269 lb uplift at joint 2.
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



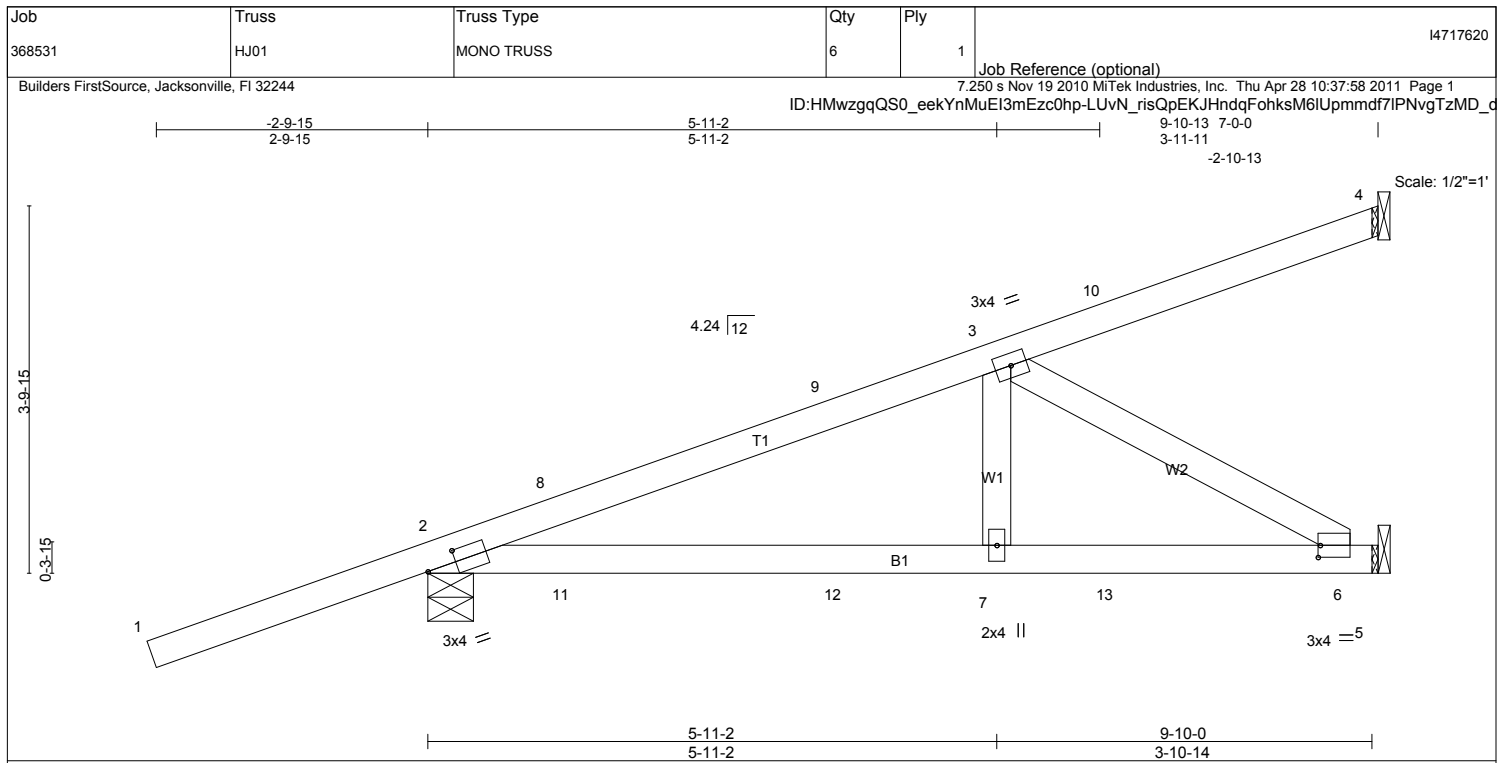
April 28, 2011



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Boynton, FL 33435



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.60	Vert(LL) 0.05	6-7	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.28	Vert(TL) -0.04	6-7	>999	180			
BCLL 0.0 *	Rep Stress Incr NO	WB 0.17	Horz(TL) -0.01	5	n/a	n/a			
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)							
								Weight: 44 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-0-2 oc bracing.
WEBS 2 X 4 SYP No.3	

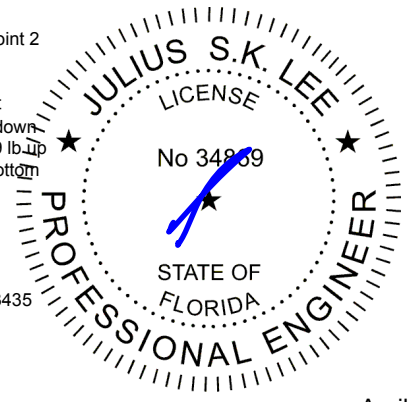
REACTIONS (lb/size) 4=115/Mechanical, 2=435/0-5-11, 5=223/Mechanical
 Max Horz 2=268(LC 3)
 Max Uplift 4=-113(LC 3), 2=-620(LC 3), 5=-357(LC 6)
 Max Grav 4=115(LC 1), 2=435(LC 1), 5=238(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-8=-425/530, 8-9=-429/516, 3-9=-374/519
 BOT CHORD 2-11=-577/367, 11-12=-577/367, 7-12=-577/367, 7-13=-577/367, 6-13=-577/367
 WEBS 3-6=-424/667, 3-7=-229/258

NOTES (10-13)
 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
 5) Refer to girder(s) for truss to truss connections.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 4, 620 lb uplift at joint 2 and 357 lb uplift at joint 5.
 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) 39 lb up at 1-5-12, 39 lb up at 1-5-12, 14 lb down and 26 lb up at 4-3-11, 14 lb down and 26 lb up at 4-3-11, and 48 lb down and 89 lb up at 7-1-10, and 48 lb down and 89 lb up at 7-1-10 on top chord, and 12 lb down and 16 lb up at 1-5-12, 12 lb down and 16 lb up at 1-5-12, 12 lb down and 9 lb up at 4-3-11, 12 lb down and 9 lb up at 4-3-11, and 42 lb down and 33 lb up at 7-1-10, and 42 lb down and 33 lb up at 7-1-10 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
 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

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	
368531	HJ01	MONO TRUSS	6	1	

I4717620

Job Reference (optional)

Builders FirstSource, Jacksonville, FL 32244

7:250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:37:58 2011 Page 2

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LOAD CASE(S) Standard

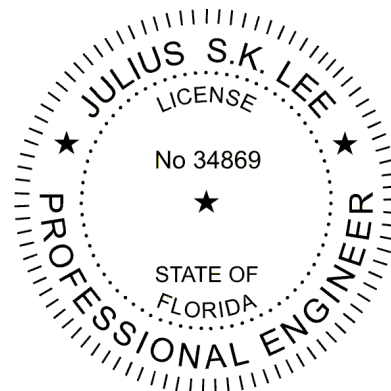
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 2-5=-10

Concentrated Loads (lb)

Vert: 8=79(F=39, B=39) 9=52(F=26, B=26) 10=-96(F=-48, B=-48) 11=10(F=5, B=5) 12=-8(F=-4, B=-4) 13=-28(F=-14, B=-14)



A handwritten signature in blue ink, appearing to be "Julius".

April 28, 2011

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Julius Lee
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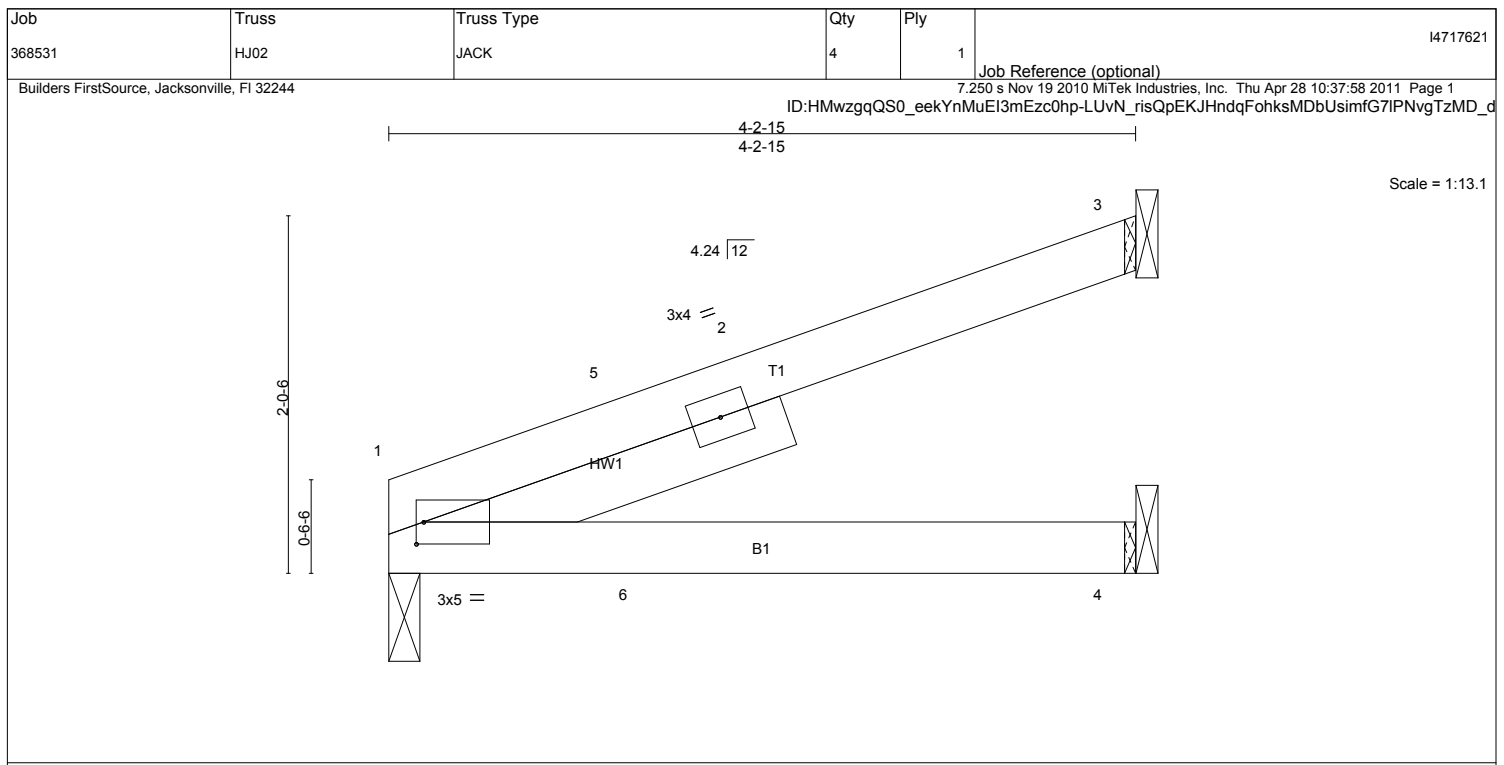


Plate Offsets (X,Y): [1:0-0-8,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.17	Vert(LL) -0.01	1-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.09	Vert(TL) -0.02	1-4	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)					Weight: 16 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-1-12

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 1=88/0-2-2, 3=92/Mechanical, 4=17/Mechanical
Max Horz 1=94(LC 3)
Max Uplift 1=46(LC 3), 3=104(LC 3)
Max Grav 1=88(LC 1), 3=92(LC 1), 4=51(LC 2)

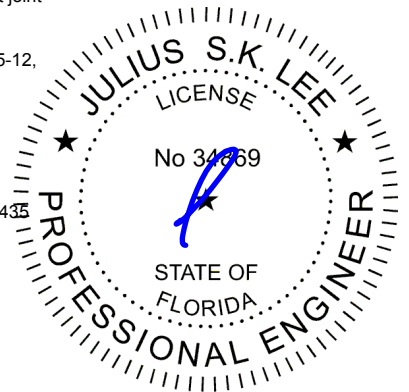
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES (11-14)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 1 and 104 lb uplift at joint 3.
- 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) 16 lb down and 28 lb up at 1-5-12, and 16 lb down and 28 lb up at 1-5-12 on top chord, and 15 lb up at 1-5-12, and 15 lb up at 1-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 1-4=-10
Concentrated Loads (lb)
Vert: 5=55(F=28, B=28) 6=10(F=5, B=5)



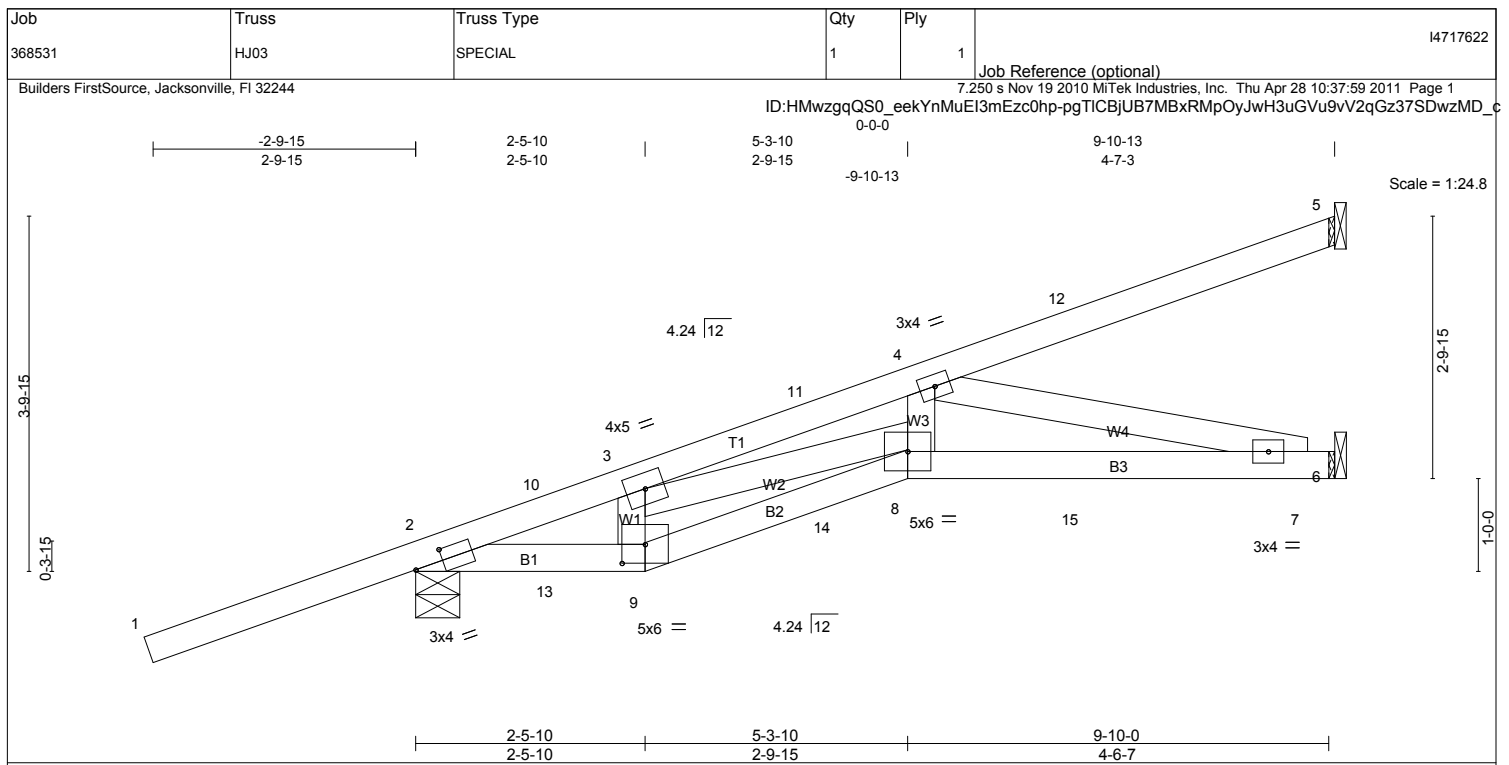
April 28, 2011



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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435



LOADING (psf)

TCLL	20.0
TCDL	7.0
BCLL	0.0 *
BCDL	5.0

SPACING

Plates Increase	1.25
Lumber Increase	1.25
Rep Stress Incr	NO
Code FBC2007/TPI2002	

CSI

TC	0.60
BC	0.28
WB	0.30
(Matrix)	

DEFL

	in	(loc)	l/defl	L/d
Vert(LL)	0.06	8	>999	240
Vert(TL)	-0.07	7-8	>999	180
Horz(TL)	0.02	6	n/a	n/a

PLATES

MT20

GRIP

244/190

Weight: 48 lb FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-5 oc bracing.

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

REACTIONS (lb/size)

5=139/Mechanical, 2=435/0-5-11, 6=199/Mechanical
Max Horz 2=268(LC 3)
Max Uplift 5=-135(LC 3), 2=-520(LC 3), 6=-163(LC 3)
Max Grav 5=139(LC 1), 2=435(LC 1), 6=207(LC 2)

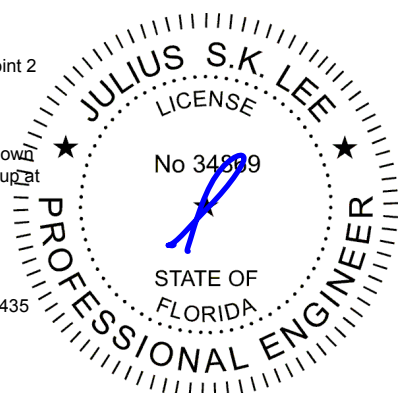
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-10=-309/322, 3-10=-332/309, 3-11=-893/723, 4-11=-858/722
BOT CHORD 2-13=-394/282, 9-13=-394/282, 9-14=-394/288, 8-14=-390/297, 8-15=-784/821, 7-15=-784/821
WEBS 3-8=-563/642, 4-7=-842/804

NOTES (10-13)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 5, 520 lb uplift at joint 2 and 163 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) 39 lb up at 1-5-12, 39 lb up at 1-5-12, 18 lb down and 18 lb up at 4-3-11, 18 lb down and 18 lb up at 4-3-11, and 67 lb down and 78 lb up at 7-1-10, and 67 lb down and 78 lb up at 7-1-10 on top chord, and 17 lb up at 1-5-12, 17 lb up at 1-5-12, 13 lb up at 4-3-11, 13 lb up at 4-3-11, and 13 lb up at 7-1-10, and 13 lb up at 7-1-10 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



Continued on page 2

April 28, 2011



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Julius Lee
1109 Coastal Bay Blvd.
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Job	Truss	Truss Type	Qty	Ply	
368531	HJ03	SPECIAL	1	1	

I4717622

Job Reference (optional)

Builders FirstSource, Jacksonville, FL 32244

7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:37:59 2011 Page 2

ID:HMwzqgQS0_eeKynMuEI3mEzc0hp-pgTICBjUB7MBxRMpOyJwH3uGVu9vV2qGz37SDwzMD_c

LOAD CASE(S) Standard

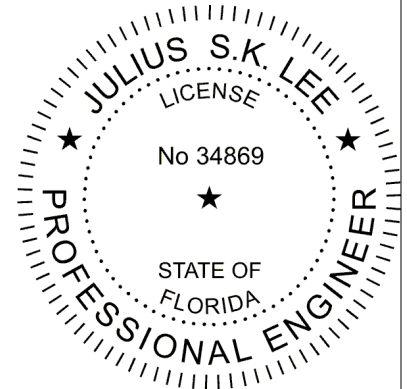
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-5=-54, 2-9=-10, 8-9=-10, 6-8=-10

Concentrated Loads (lb)

Vert: 10=79(F=39, B=39) 11=35(F=18, B=18) 12=-132(F=-66, B=-66) 13=10(F=5, B=5) 14=9(F=4, B=4) 15=9(F=4, B=4)



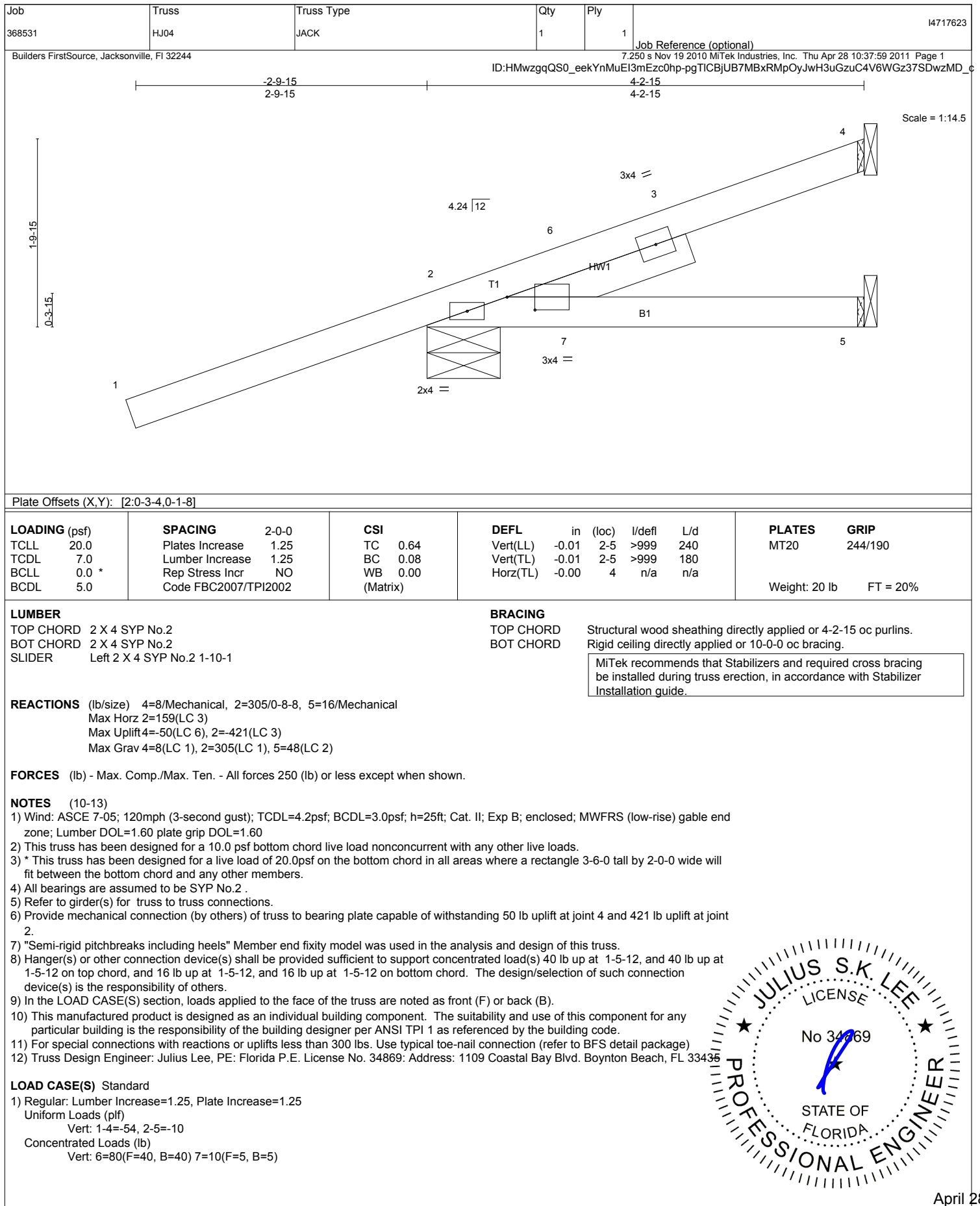
A handwritten signature in blue ink, appearing to be "Julius Lee".

April 28, 2011

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Boynton, FL 33435



April 28, 2011



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Julius Lee
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Boynton, FL 33435

Job 368531	Truss T01	Truss Type HIP	Qty 1	Ply 1	Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:00 2011 Page 1 ID:HMwzqQSO_eeKynMuEI3mEzc0hp-It18PXk6yQU2Zbx?yfq9pHRLUINXEMiQCjs0IMzMD_b	I4717624
Builders FirstSource, Jacksonville, FL 32244						

Plate Offsets (X,Y): [2:0-3-9,0-3-0], [3:0-5-8,0-2-4], [5:0-5-8,0-2-4], [6:0-3-9,0-3-0], [9:0-4-0,0-4-8]									
LOADING (psf)	SPACING	CSI	DEFL		PLATES	GRIP			
TCLL 20.0	Plates Increase 2-0-0 1.25	TC 0.97	in (loc) l/defl L/d		MT20	244/190			
TCDL 7.0	Lumber Increase 1.25	BC 0.71	Vert(LL) 0.35 8-9 >945 240						
BCLL 0.0 *	Rep Stress Incr NO	WB 0.84	Vert(TL) -0.43 8-9 >763 180						
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Horz(TL) 0.09 6 n/a n/a						
Weight: 150 lb						FT = 20%			

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except*
T2: 2 X 4 SYP M 31

BOT CHORD 2 X 6 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied.

BOT CHORD Rigid ceiling directly applied or 4-11-7 oc bracing.

WEBS 1 Row at midpt 5-9

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

REACTIONS (lb/size) 6=1919/0-3-8, 2=1877/0-3-8
Max Horz 2=-96(LC 6)
Max Uplift 6=-1238(LC 6), 2=-1445(LC 5)

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

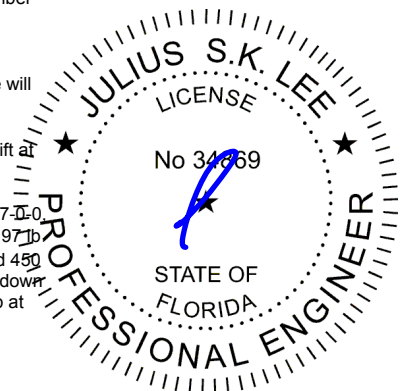
TOP CHORD 2-3=-3503/2768, 3-11=-4224/3213, 11-12=-4224/3213, 12-13=-4223/3213, 4-13=-4223/3213, 4-14=-4223/3213, 14-15=-4223/3213, 15-16=-4224/3213, 5-16=-4224/3213, 5-6=-3669/2382

BOT CHORD 2-10=-2426/3049, 10-17=-2447/3063, 17-18=-2447/3063, 18-19=-2447/3063, 9-19=-2447/3063, 9-20=-2057/3224, 20-21=-2057/3224, 21-22=-2057/3224, 22-23=-2057/3224, 8-23=-2057/3224, 6-8=-2044/3196

WEBS 3-10=-497/573, 3-9=-865/1396, 4-9=-871/573, 5-9=-1261/1215, 5-8=-311/730

NOTES (11-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); 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 SYP No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1238 lb uplift at joint 6 and 1445 lb uplift at joint 2.
- "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) 171 lb down and 194 lb up at 7-0-0, 110 lb down and 97 lb up at 9-0-12, 110 lb down and 97 lb up at 11-0-12, 110 lb down and 97 lb up at 13-0-12, 110 lb down and 97 lb up at 14-7-4, and 110 lb down and 97 lb up at 16-7-4, and 110 lb down and 97 lb up at 18-7-4 on top chord, and 280 lb down and 450 lb up at 7-0-0, 72 lb down and 87 lb up at 9-0-12, 72 lb down and 87 lb up at 11-0-12, 72 lb down and 87 lb up at 13-0-12, 72 lb down and 87 lb up at 14-7-4, 72 lb down and 87 lb up at 16-7-4, and 72 lb down and 87 lb up at 18-7-4, and 593 lb down and 267 lb up at 19-5-4 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

April 28, 2011



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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 368531	Truss T01	Truss Type HIP	Qty 1	Ply 1	Job Reference (optional) ID:HMwzqgQS0_eeKYNuEI3mEzc0hp-It18PXk6yQU2Zbx?yfq9pHRLUINXEMiQCjs0IMzMD_b
Builders FirstSource, Jacksonville, FL 32244			7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:00 2011 Page 2		

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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)

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

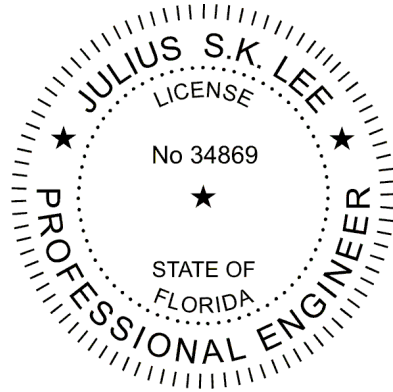
1) Regular: Lumber Increase=1.25, Plate Increase=1.25


Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 5-7=-54, 2-6=-10

Concentrated Loads (lb)

Vert: 3=-171(F) 10=-237(F) 11=-110(F) 12=-110(F) 13=-110(F) 14=-110(F) 15=-110(F) 16=-110(F) 17=-24(F) 18=-24(F) 19=-24(F) 20=-24(F) 21=-24(F) 22=-24(F) 23=-593(F)





April 28, 2011



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1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 368531	Truss T02	Truss Type HIP	Qty 1	Ply 1	Job Reference (optional) i4717625
Builders FirstSource, Jacksonville, FL 32244			7:250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:00 2011 Page 1		
			ID:HMwzgqQS0_eeKYNmuEI3mEzc0hp-It18PXk6yQU2Zbx?yfq9pHRUMIRLEWLQCjs0IMzMD_b		

Plate Offsets (X,Y): [2:0-2-10,0-1-8], [8:0-2-10,0-1-8]					
LOADING (psf)	SPACING	CSI	DEFL		PLATES
TCLL 20.0	2-0-0	TC 0.41	in (loc) l/defl L/d		GRIP
TCDL 7.0	Plates Increase 1.25	BC 0.46	Vert(LL) -0.15 8-10 >999 240		MT20 244/190
BCLL 0.0 *	Lumber Increase 1.25	WB 0.22	Vert(TL) -0.28 8-10 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 8 n/a n/a		
				Weight: 138 lb	FT = 20%

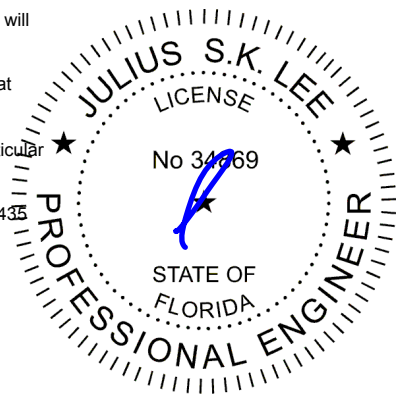
LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 4-11-10 oc purlins. BOT CHORD Rigid ceiling directly applied or 7-3-1 oc bracing. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>
--	--

REACTIONS (lb/size) 2=995/0-3-8, 8=995/0-3-8
Max Horz 2=107(LC 6)
Max Uplift 2=352(LC 6), 8=352(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1583/1048, 3-4=-1338/907, 4-5=-1158/875, 5-6=-1158/875, 6-7=-1338/907, 7-8=-1583/1048
BOT CHORD 2-12=-737/1349, 11-12=-630/1304, 10-11=-630/1304, 8-10=-737/1349
WEBS 3-12=-232/270, 4-12=-184/360, 5-12=-289/176, 5-10=-289/176, 6-10=-184/360, 7-10=-232/270

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 352 lb uplift at joint 2 and 352 lb uplift at joint 8.
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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
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



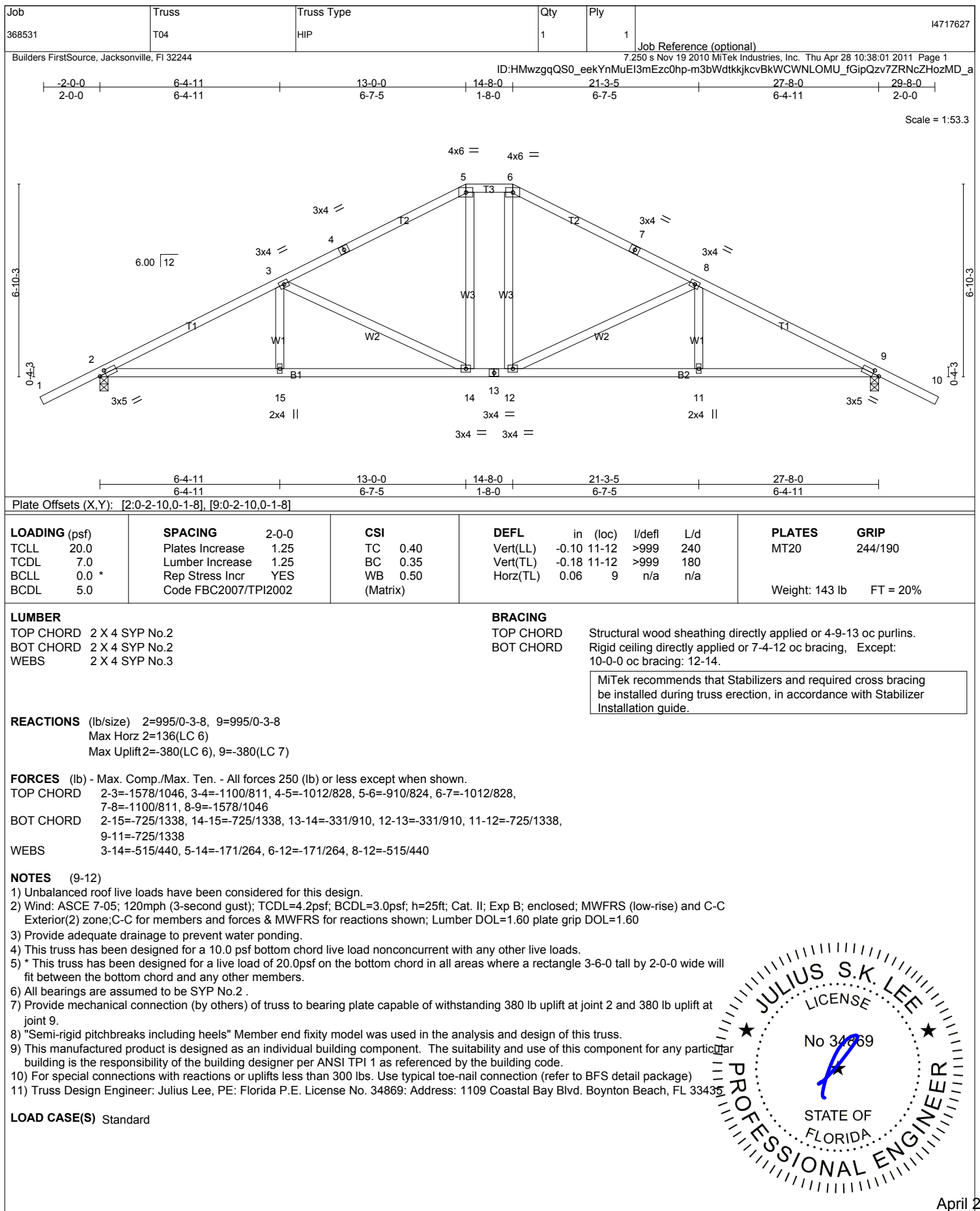
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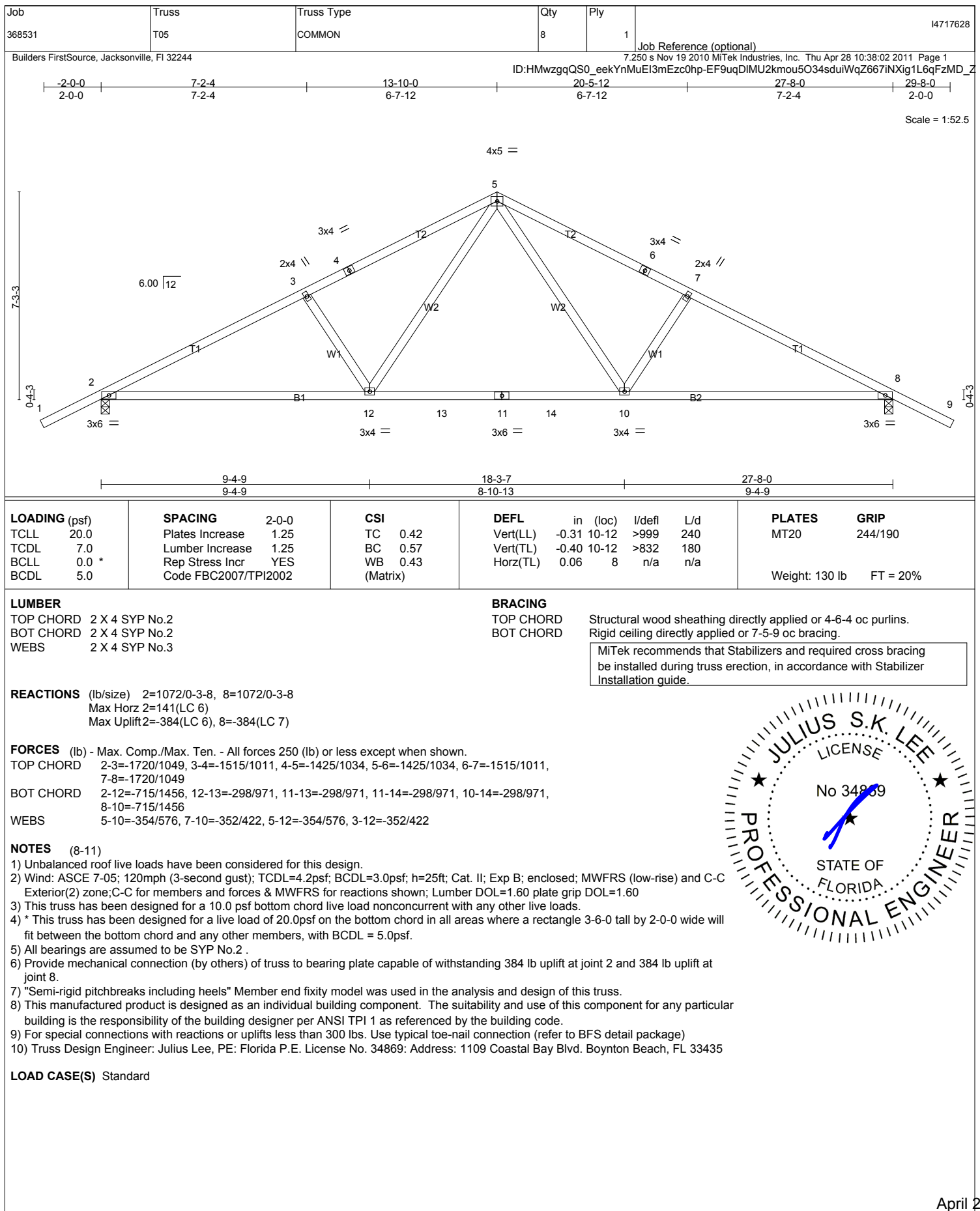
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April 28,2011



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

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

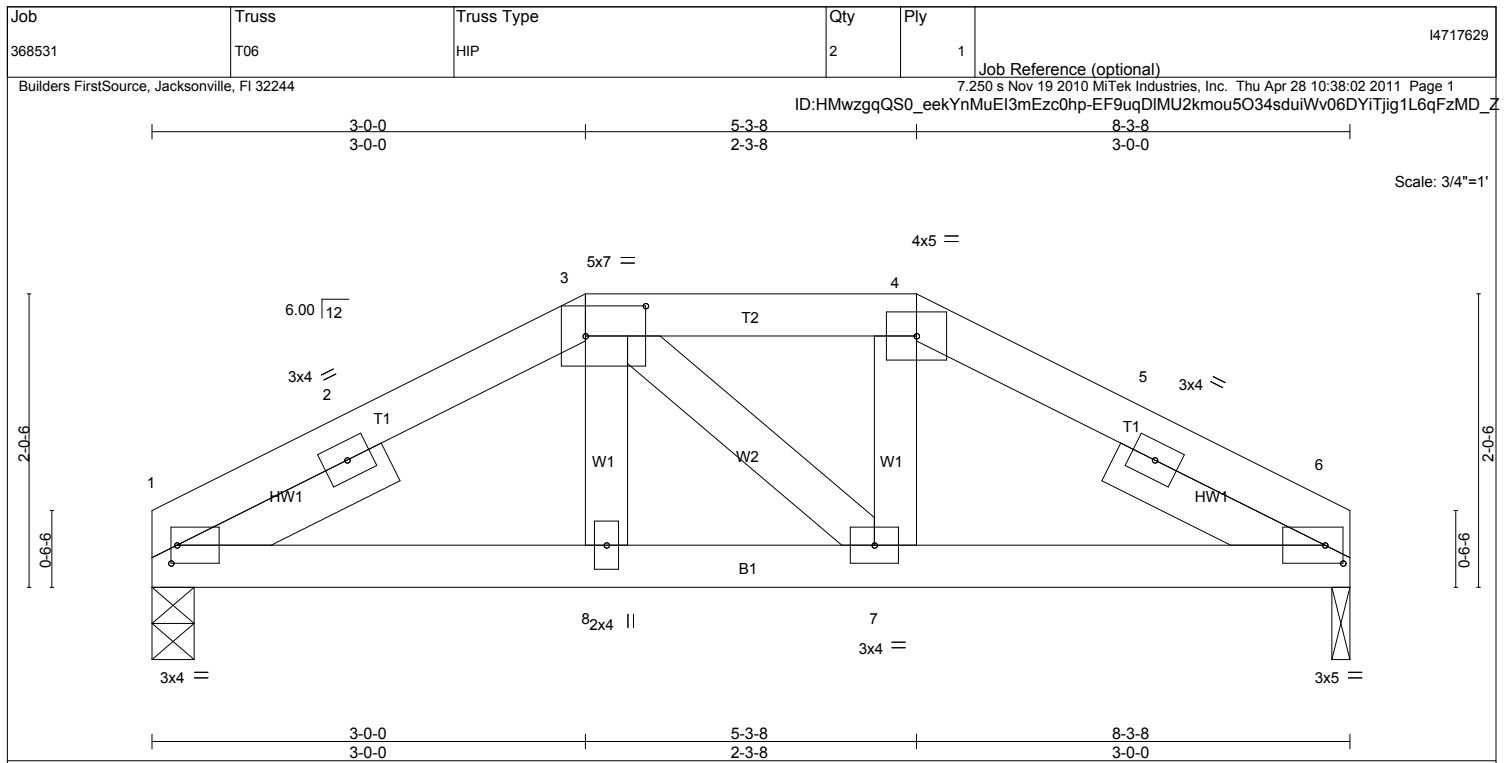


Plate Offsets (X,Y): [1:0-0-8,0-1-8], [3:0-5-0,0-2-8], [6:0-1-8,0-1-8]									
LOADING (psf)		SPACING		CSI		DEFL		PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.01 8 >999 240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01 8 >999 180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.01 6 n/a n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)				Weight: 38 lb	FT = 20%

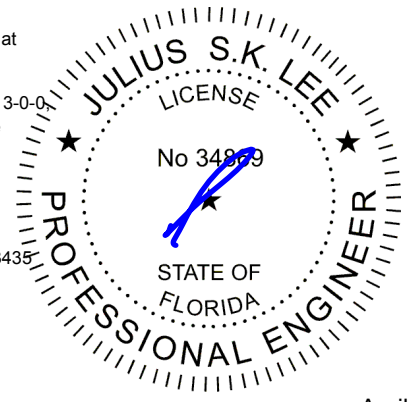
LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2 X 4 SYP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2 X 4 SYP No.3		
SLIDER	Left 2 X 4 SYP No.2 1-6-15, Right 2 X 4 SYP No.2 1-6-15		

REACTIONS (lb/size) 1=332/0-3-8, 6=331/0-1-8
Max Horz 1=-26(LC 3)
Max Uplift 1=-221(LC 5), 6=-210(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-500/358, 2-3=-448/366, 3-4=-409/326, 4-5=-455/361, 5-6=-504/356
BOT CHORD 1-8=-297/400, 7-8=-295/402, 6-7=-284/406

- NOTES** (12-15)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); 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 SYP No.2 .
 - 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 1 and 210 lb uplift at joint 6.
 - 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 157 lb up at 3-0-0 and 101 lb down and 157 lb up at 5-3-8 on top chord, and 34 lb down at 3-0-0, and 34 lb down at 5-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
 - 14) 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=-54, 3-4=-54, 4-6=-54, 1-6=-10



Continued on page 2 April 28,2011

Job	Truss	Truss Type	Qty	Ply	
368531	T06	HIP	2	1	

I4717629

Job Reference (optional)

Builders FirstSource, Jacksonville, FL 32244

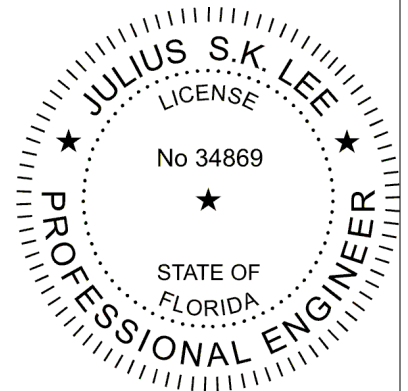
7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:02 2011 Page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-61(B) 4=-61(B) 8=-11(B) 7=-11(B)



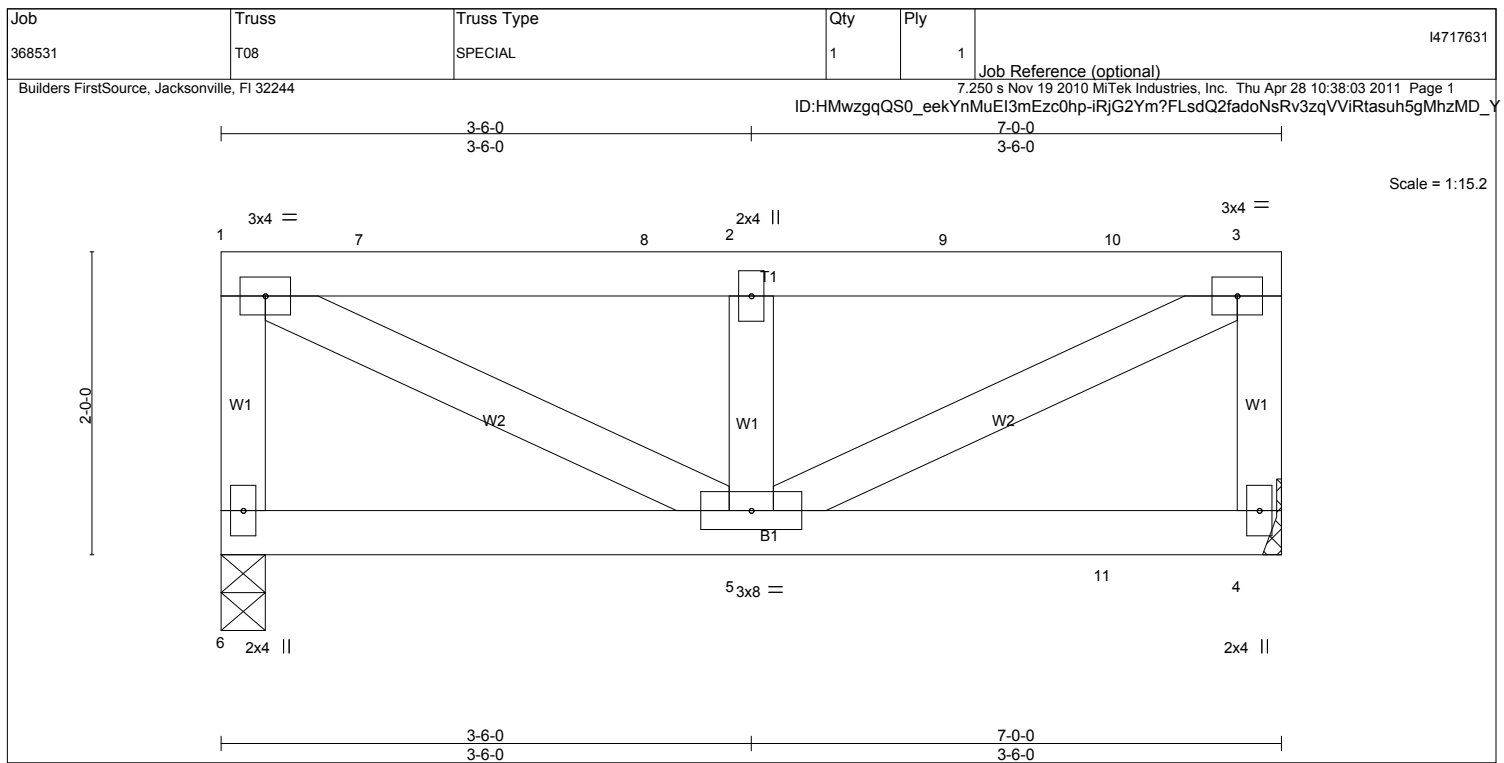
A handwritten signature in blue ink, appearing to be "J. Lee".

April 28, 2011

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1109 Coastal Bay Blvd.
Boynton, FL 33435



LOADING (psf)	SPACING	CSI	DEFL	GRIP
TCLL 20.0	2-0-0	TC 0.52	in (loc) l/defl L/d	MT20 244/190
TCDL 7.0	Plates Increase 1.25	BC 0.36	Vert(LL) -0.02 4-5 >999 240	
BCLL 0.0 *	Lumber Increase 1.25	WB 0.25	Vert(TL) -0.04 4-5 >999 180	
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 4 n/a n/a	
	Code FBC2007/TPI2002			Weight: 37 lb FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 6=648/0-3-8, 4=603/Mechanical
Max Uplift 6=-351(LC 3), 4=-261(LC 3)

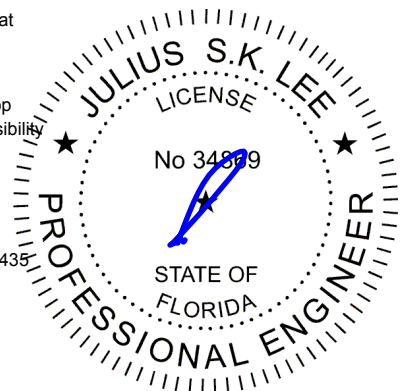
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-644/360, 1-7=-700/353, 7-8=-700/353, 2-8=-700/353, 2-9=-700/353,
9-10=-700/353, 3-10=-700/353, 3-4=-412/207
WEBS 1-5=-396/785, 2-5=-583/357, 3-5=-396/785

NOTES (11-15)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); 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 SYP No.2 .
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 6 and 261 lb uplift at joint 4.
- 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) 277 lb down and 181 lb up at 1-0-12, 277 lb down and 181 lb up at 2-11-4, and 18 lb down and 23 lb up at 4-10-15, and 46 lb down and 21 lb up at 6-0-0 on top chord, and 257 lb down and 88 lb up at 5-11-4 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- 14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

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



Continued on page 2

April 28, 2011



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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	
368531	T08	SPECIAL	1	1	

I4717631

Job Reference (optional)

Builders FirstSource, Jacksonville, FL 32244

7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:03 2011 Page 2

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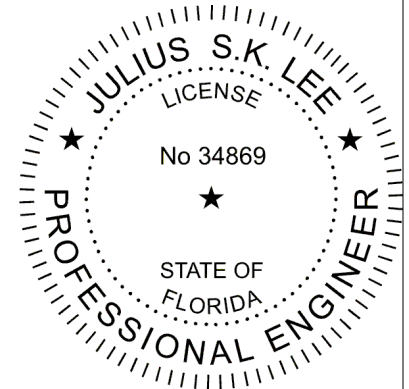
LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 4-6=-10

Concentrated Loads (lb)

Vert: 7=-277 8=-277 9=23 10=-34 11=-257(F)



A handwritten signature in blue ink, appearing to be "Julius Lee".

April 28, 2011

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1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 368531	Truss T09	Truss Type SPECIAL	Qty 1	Ply 1	Job Reference (optional) I4717632
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Builders FirstSource, Jacksonville, FL 32244 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:04 2011 Page 2
ID:HMwzgqQS0_eeKYNmUEl3mEzc0hp-AeGeFund0f_U2CEnBVv5_7c3YviZABq?7LqDu7zMD_X

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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)

14) 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

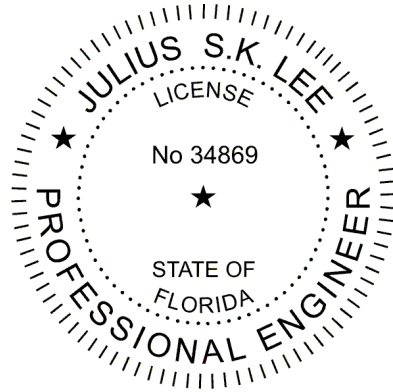
1) Regular: Lumber Increase=1.25, Plate Increase=1.25


Uniform Loads (plf)

Vert: 1-5=-54, 5-8=-54, 8-10=-54, 2-17=-10, 16-17=-10, 13-16=-10, 9-12=-10

Concentrated Loads (lb)

Vert: 5=-214(B) 8=-171(B) 7=-110(B) 15=-195(B) 14=-6(B) 6=-128(B) 11=-237(B) 13=-24(B) 19=-128(B) 20=-128(B) 21=-110(B) 22=-110(B) 23=-6(B) 24=-6(B) 25=-24(B) 26=-24(B)





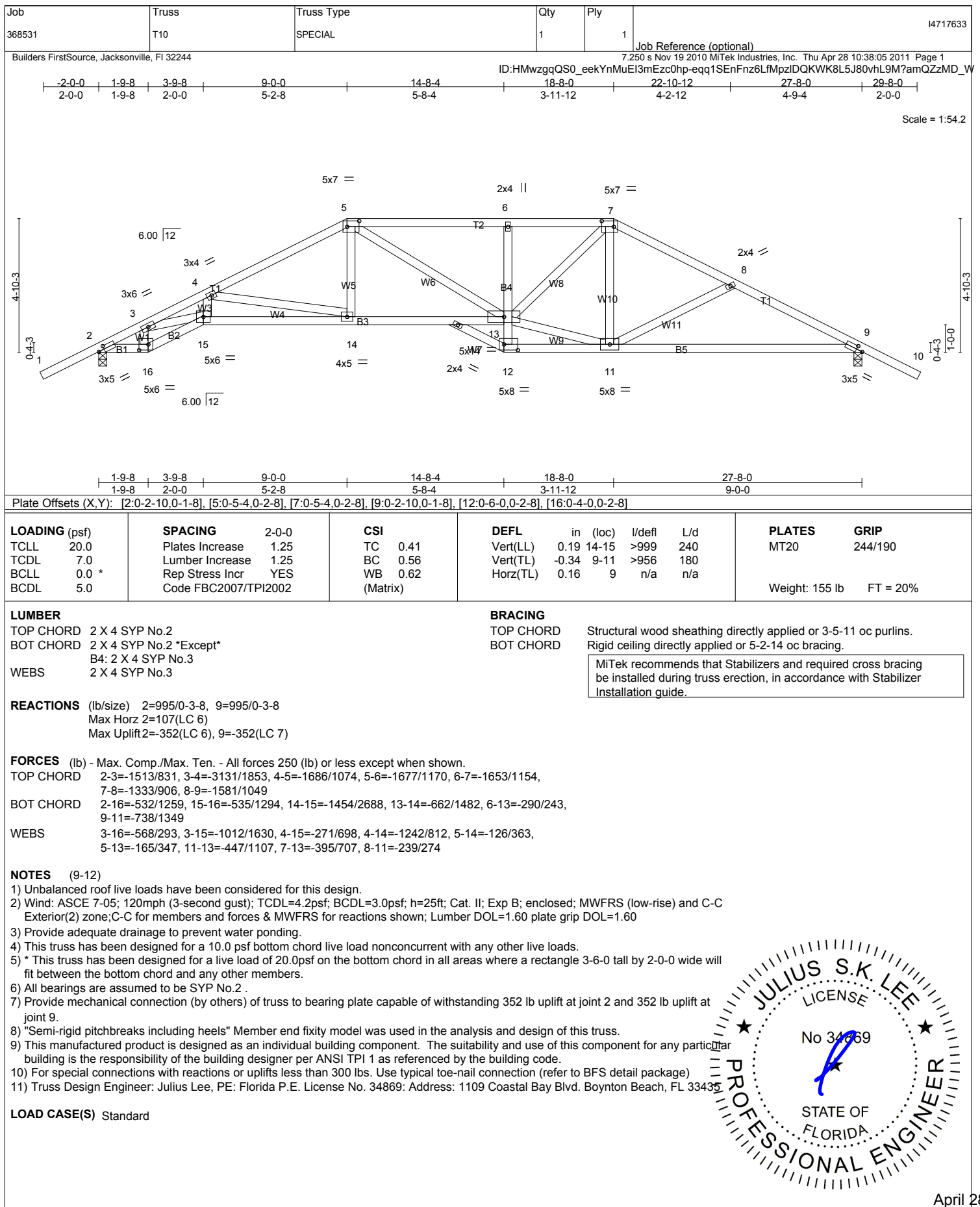
April 28, 2011



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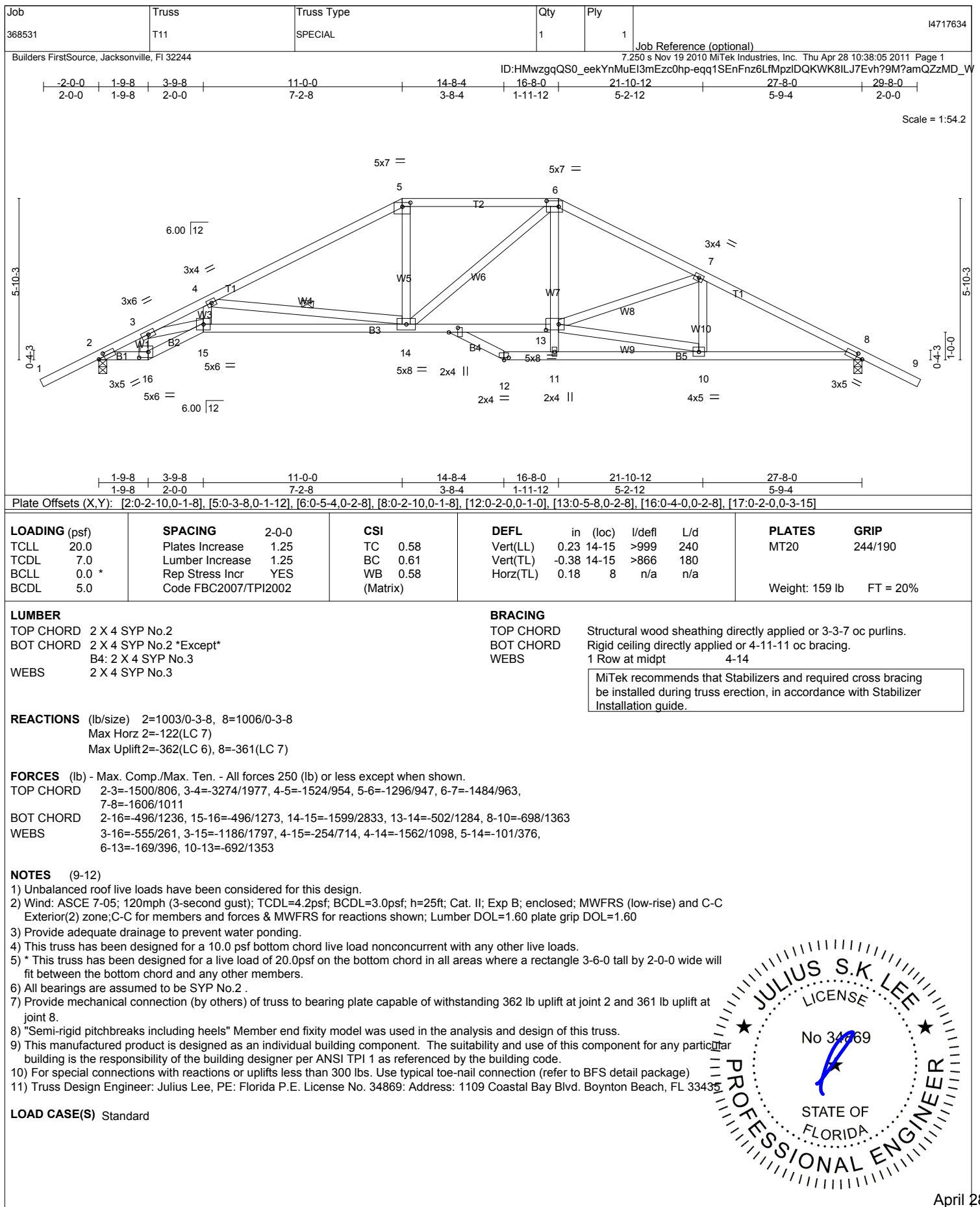
April 28, 2011



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

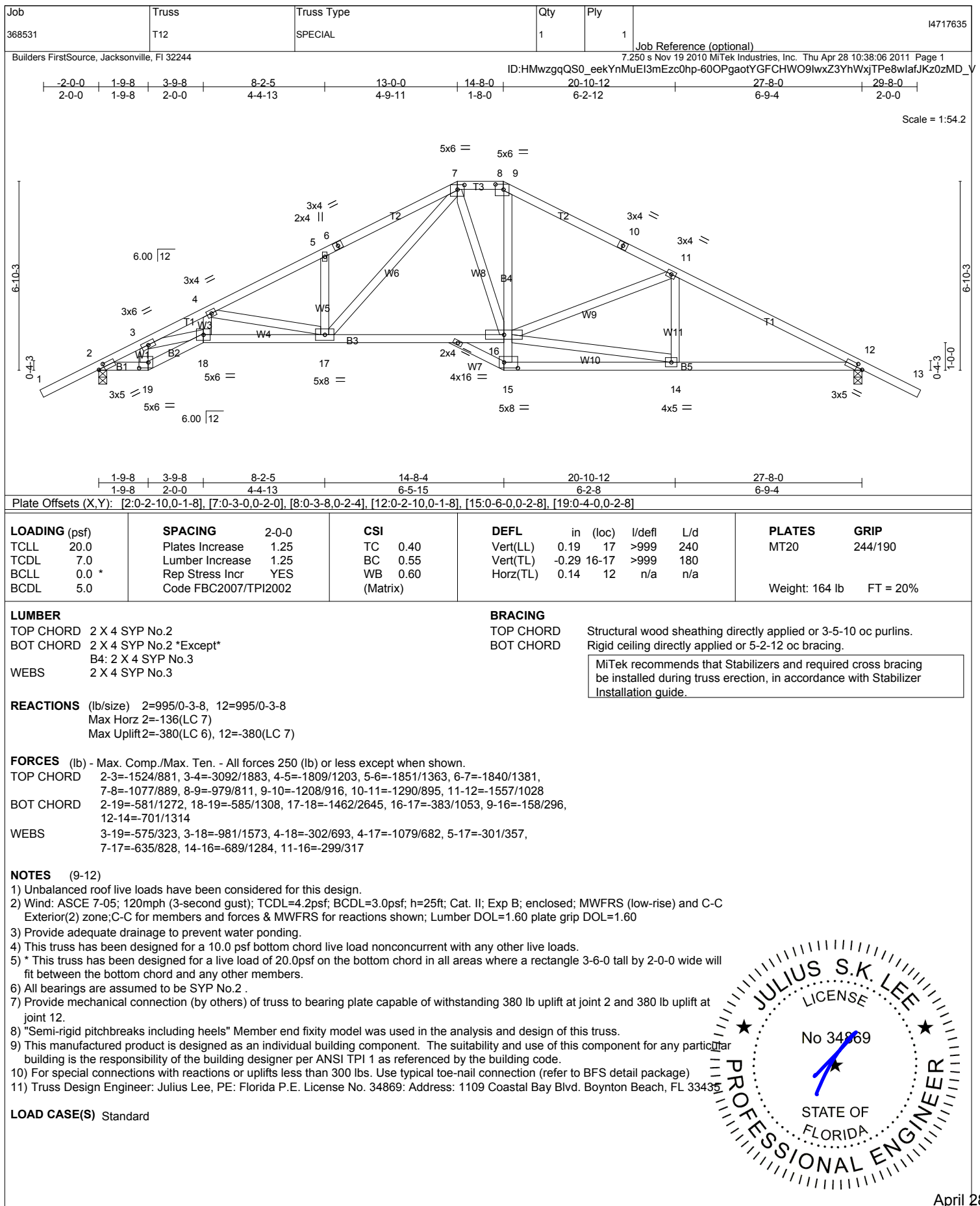
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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.

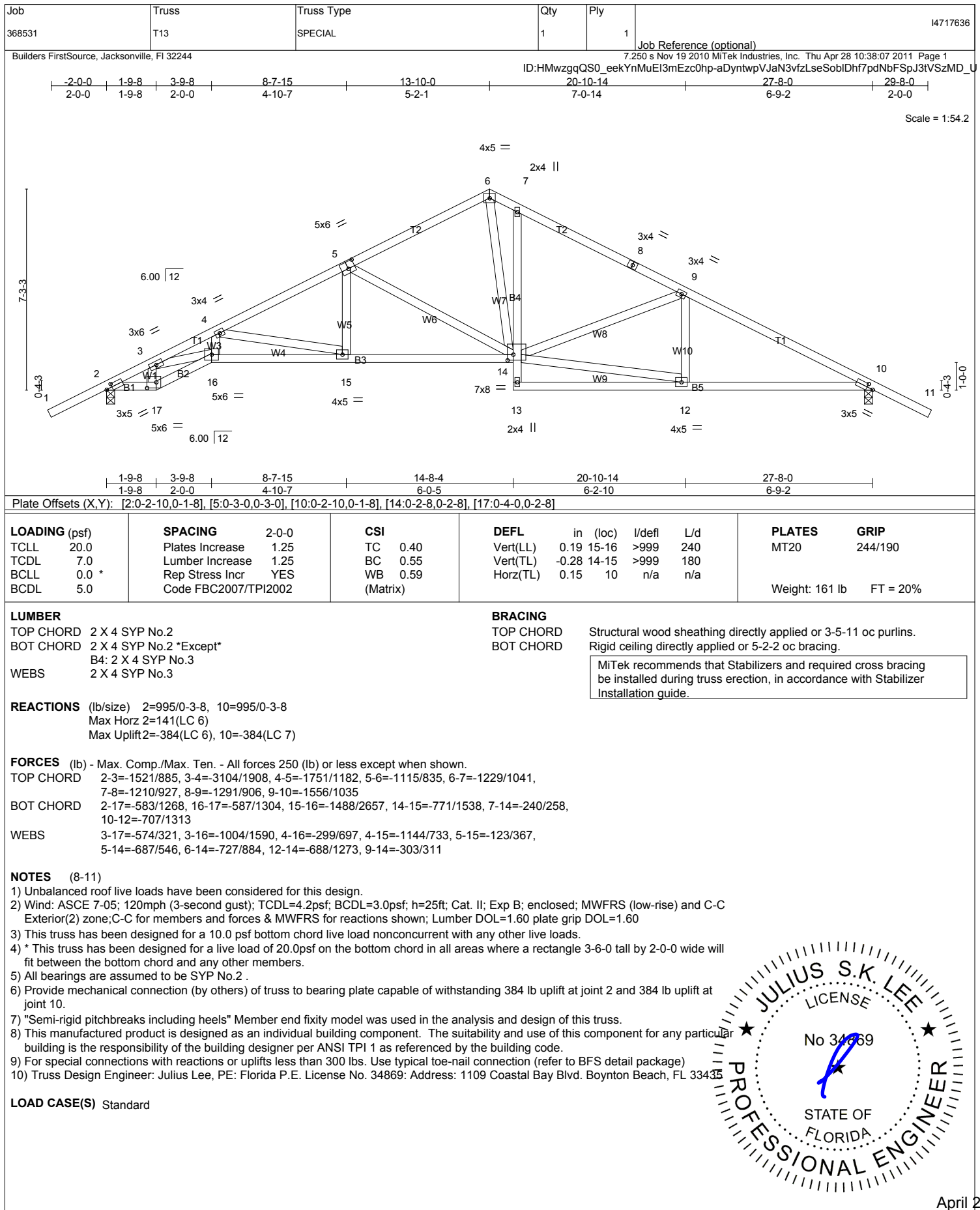
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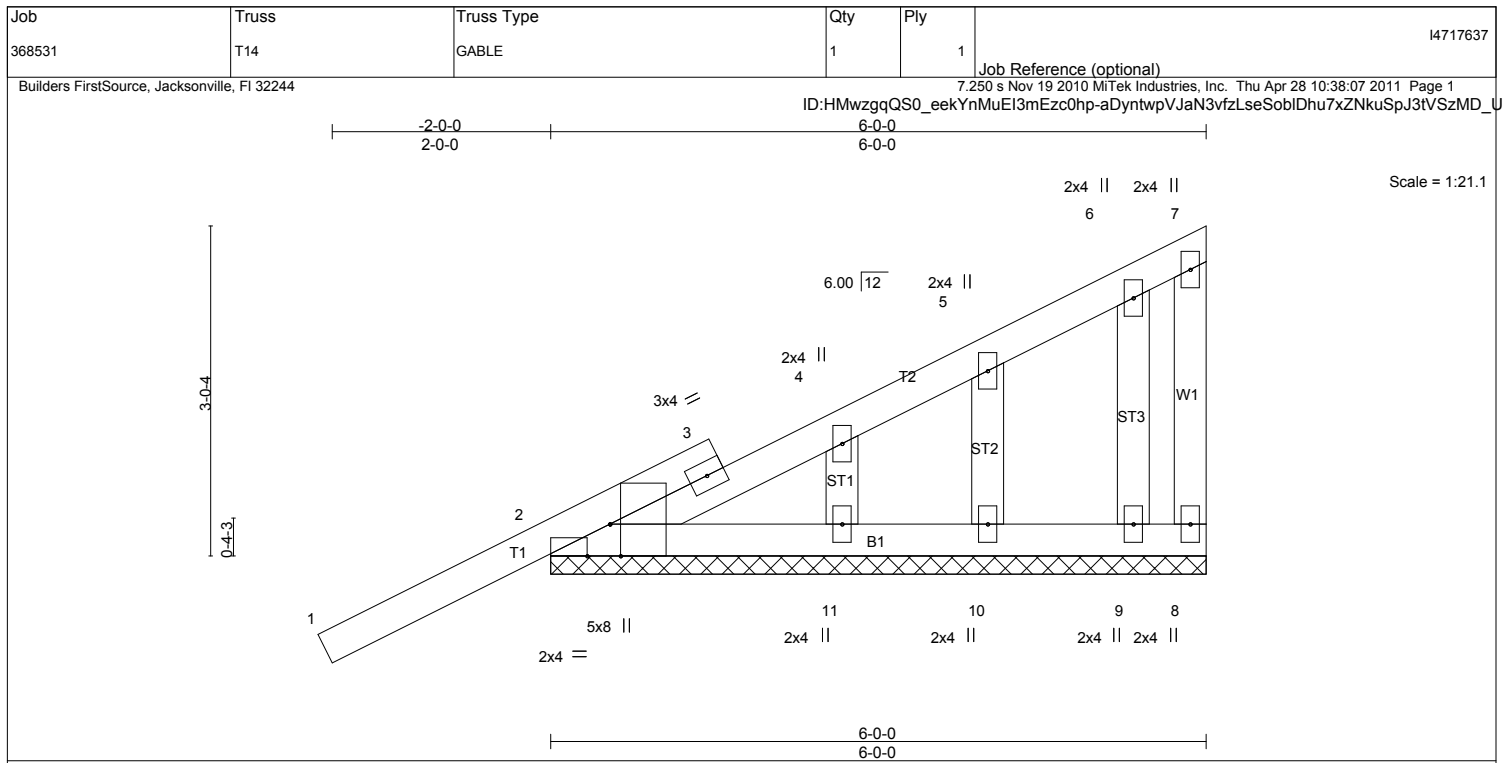


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-2-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.04	Vert(LL) 0.00 1 n/r 120		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.04	Vert(TL) -0.01 1 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.00 n/a n/a		
	Code FBC2007/TPI2002			Weight: 34 lb	FT = 20%

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3
 OTHERS 2 X 4 SYP No.3

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

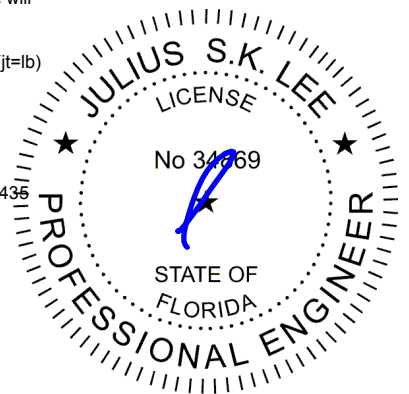
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 6-0-0.
 (lb) - Max Horz 2=221(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 8, 11, 9 except 2=224(LC 6), 10=-103(LC 6)
 Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 10, 9

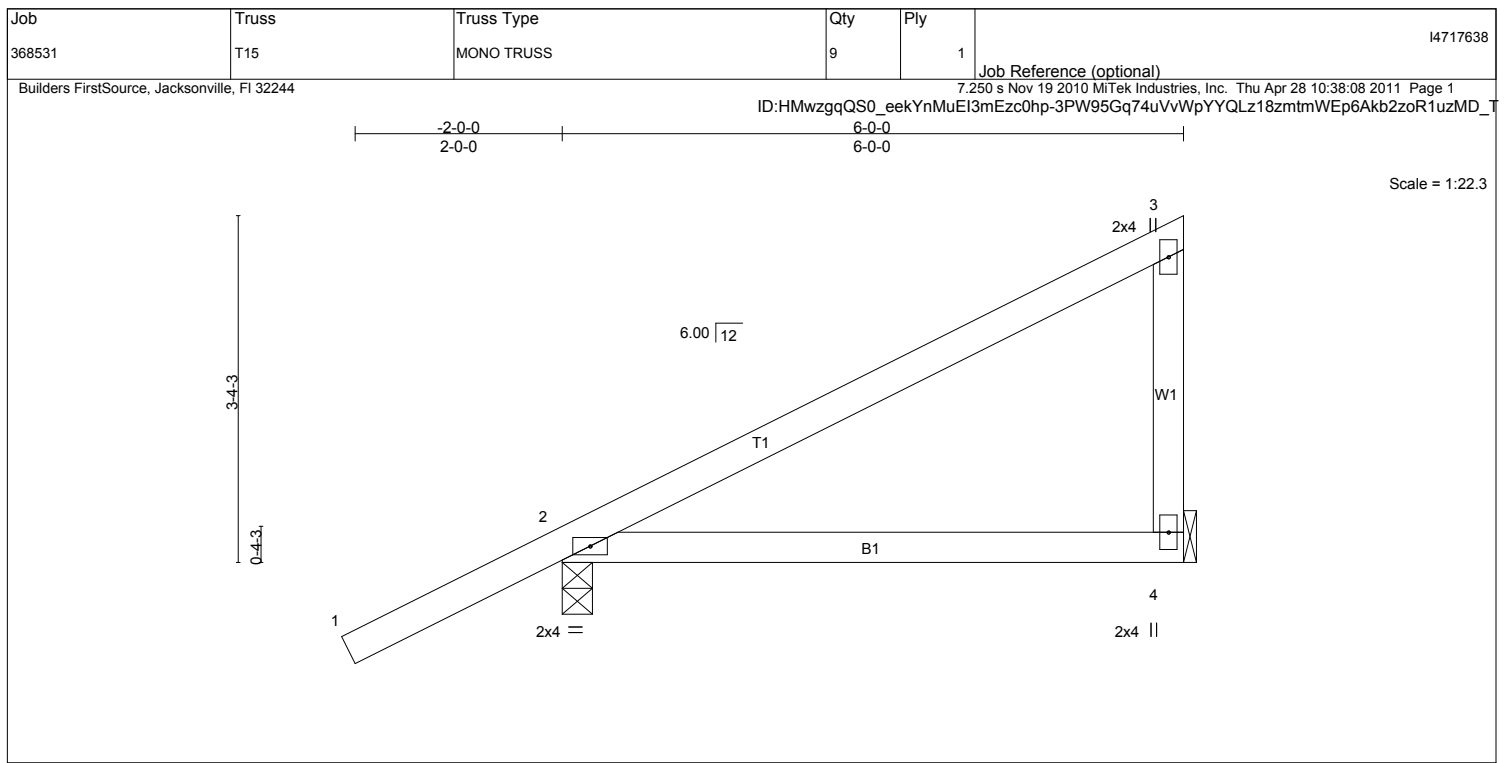
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES** (10-13)
- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) All bearings are assumed to be SYP No.2 .
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 11, 9 except (jt=lb) 2=224, 10=103.
 - 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
 - 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



April 28,2011



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.23	Vert(LL) -0.06 2-4 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.10 2-4 >702 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 n/a n/a		
	Code FBC2007/TPI2002			Weight: 26 lb	FT = 20%

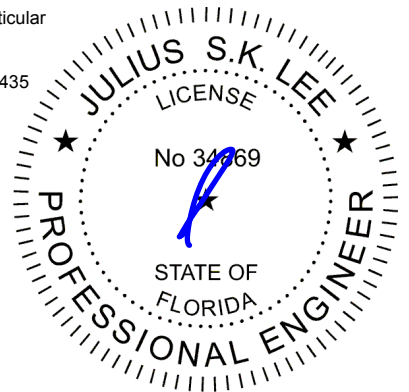
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=325/0-3-8, 4=160/Mechanical
Max Horz 2=173(LC 6)
Max Uplift 2=-180(LC 6), 4=-70(LC 6)

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

- NOTES** (8-11)
- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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 SYP No.2 .
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=180.
 - 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
 - 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



April 28, 2011

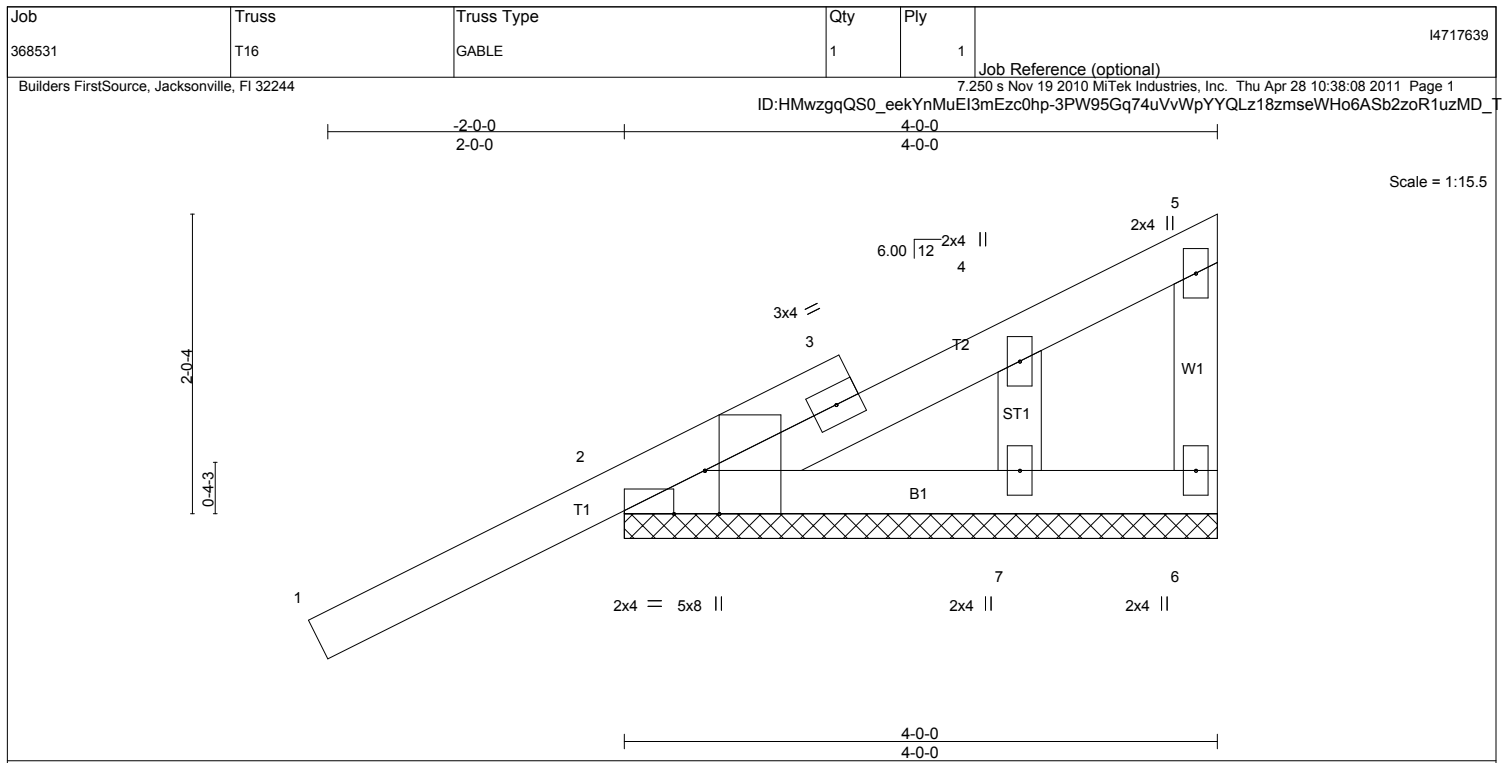


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-2-8,Edge]

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 NO
Code FBC2007/TPI2002

CSI
TC 0.39
BC 0.04
WB 0.02
(Matrix)

DEFL in (loc) l/defl L/d
Vert(LL) 0.00 1 n/r 120
Vert(TL) -0.01 1 n/r 90
Horz(TL) 0.00 n/a n/a

PLATES MT20
GRIP 244/190
Weight: 21 lb FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

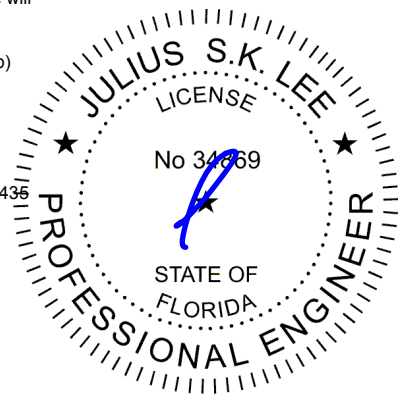
REACTIONS (lb/size) 2=236/4-0-0, 6=28/4-0-0, 7=94/4-0-0
Max Horz 2=166(LC 6)
Max Uplift 2=-245(LC 6), 6=-43(LC 6), 7=-34(LC 7)
Max Grav 2=236(LC 1), 6=28(LC 1), 7=100(LC 2)

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

NOTES (10-13)

- 1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) All bearings are assumed to be SYP No.2.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7 except (jt=lb) 2=245.
- 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



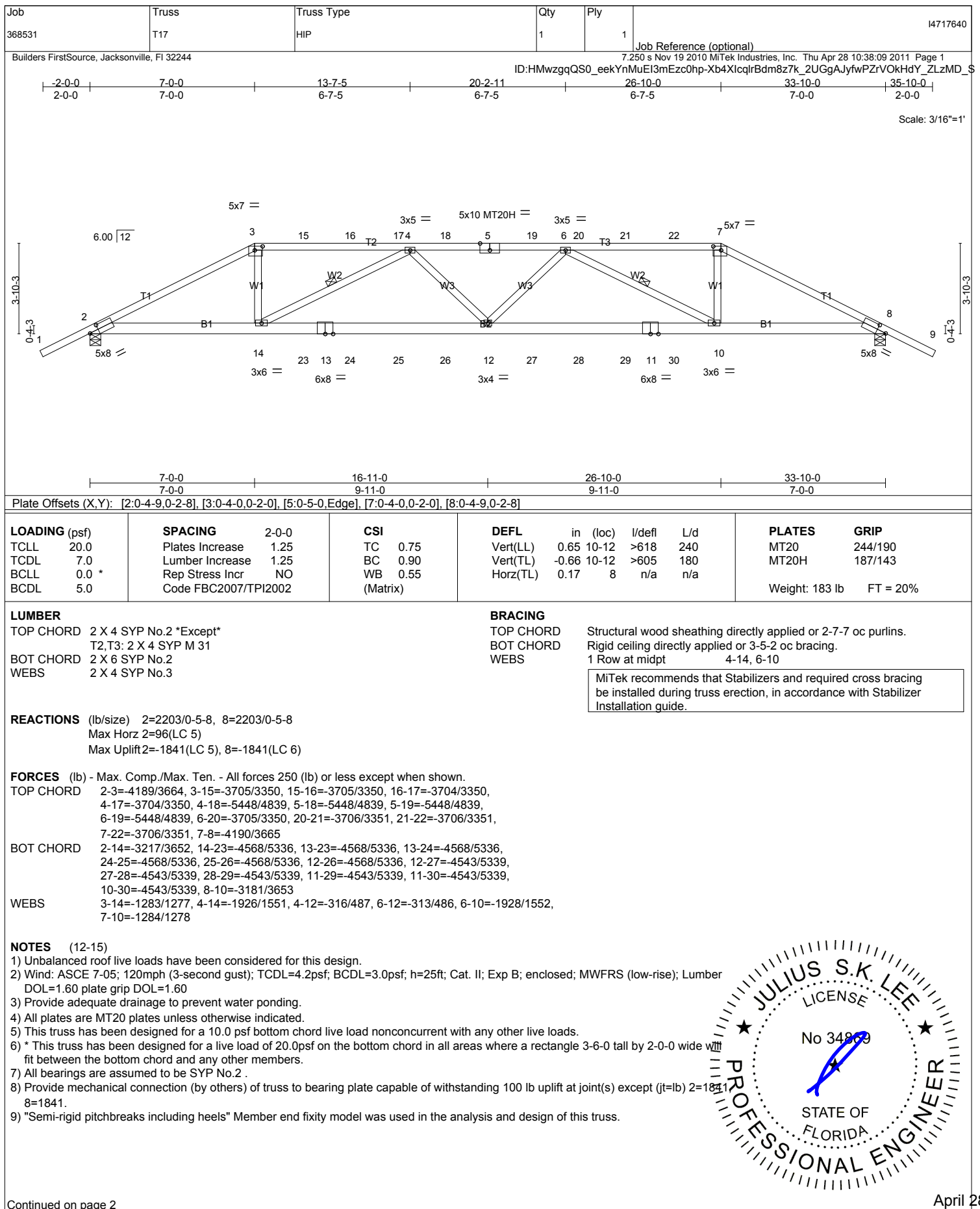
April 28, 2011



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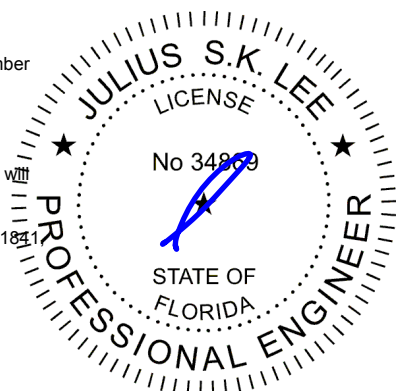
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Job	Truss	Truss Type	Qty	Ply	
368531	T17	HIP	1	1	i4717640

Builders FirstSource, Jacksonville, FL 32244

7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:09 2011 Page 2

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NOTES (12-15)

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 171 lb down and 194 lb up at 7-0-0, 110 lb down and 97 lb up at 9-0-12, 110 lb down and 97 lb up at 11-0-12, 110 lb down and 97 lb up at 13-0-12, 110 lb down and 97 lb up at 15-0-12, 110 lb down and 97 lb up at 16-11-0, 110 lb down and 97 lb up at 18-9-4, 110 lb down and 97 lb up at 20-9-4, 110 lb down and 97 lb up at 22-9-4, and 110 lb down and 97 lb up at 24-9-4, and 171 lb down and 194 lb up at 26-10-0 on top chord, and 280 lb down and 450 lb up at 7-0-0, 72 lb down and 87 lb up at 9-0-12, 72 lb down and 87 lb up at 11-0-12, 72 lb down and 87 lb up at 13-0-12, 72 lb down and 87 lb up at 15-0-12, 72 lb down and 87 lb up at 16-11-0, 72 lb down and 87 lb up at 18-9-4, 72 lb down and 87 lb up at 20-9-4, 72 lb down and 87 lb up at 22-9-4, and 72 lb down and 87 lb up at 24-9-4, and 280 lb down and 450 lb up at 26-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 14) 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

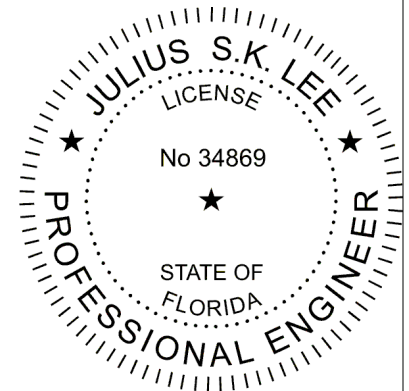
- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-7=-54, 7-9=-54, 2-8=-10

Concentrated Loads (lb)

Vert: 3=-171(F) 5=-110(F) 7=-171(F) 14=-237(F) 12=-24(F) 10=-237(F) 15=-110(F) 16=-110(F) 17=-110(F) 18=-110(F) 19=-110(F) 20=-110(F) 21=-110(F) 22=-110(F) 23=-24(F) 24=-24(F) 25=-24(F) 26=-24(F) 27=-24(F) 28=-24(F) 29=-24(F) 30=-24(F)



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Job 368531	Truss T19	Truss Type HIP	Qty 1	Ply 1	Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 10:38:11 2011 Page 1 ID:HMwzqQSQ0_eeKynMuEI3mEzc0hp-T_CljIs0NptUNHH75TXkmbOMV8cJR71kx15eDzMD_Q
Builders FirstSource, Jacksonville, FL 32244			Scale: 3/16"=1'		

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.74	Vert(LL) -0.57 11-12 >708 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.41	Vert(TL) -0.78 11-12 >514 180		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Horz(TL) 0.10 8 n/a n/a		
				Weight: 168 lb	FT = 20%

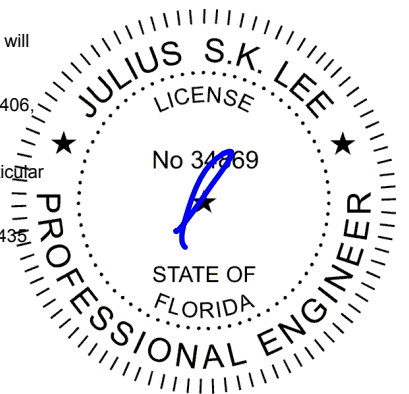
LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-3-10 oc bracing. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>
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REACTIONS (lb/size) 2=1259/0-5-8, 8=1259/0-5-8
 Max Horz 2=-122(LC 7)
 Max Uplift 2=-406(LC 6), 8=-406(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2108/1315, 3-4=-1813/1130, 4-5=-1572/1085, 5-6=-1572/1085, 6-7=-1813/1130, 7-8=-2108/1315
 BOT CHORD 2-13=-961/1803, 12-13=-961/1803, 12-14=-811/1754, 14-15=-811/1754, 11-15=-811/1754, 10-11=-961/1803, 8-10=-961/1803
 WEBS 3-12=-280/353, 4-12=-239/500, 5-12=-358/220, 5-11=-358/220, 6-11=-239/500, 7-11=-280/353

NOTES (9-12)
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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, with BCDL = 5.0psf.
 6) All bearings are assumed to be SYP No.2.
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=406, 8=406.
 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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
 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



April 28, 2011



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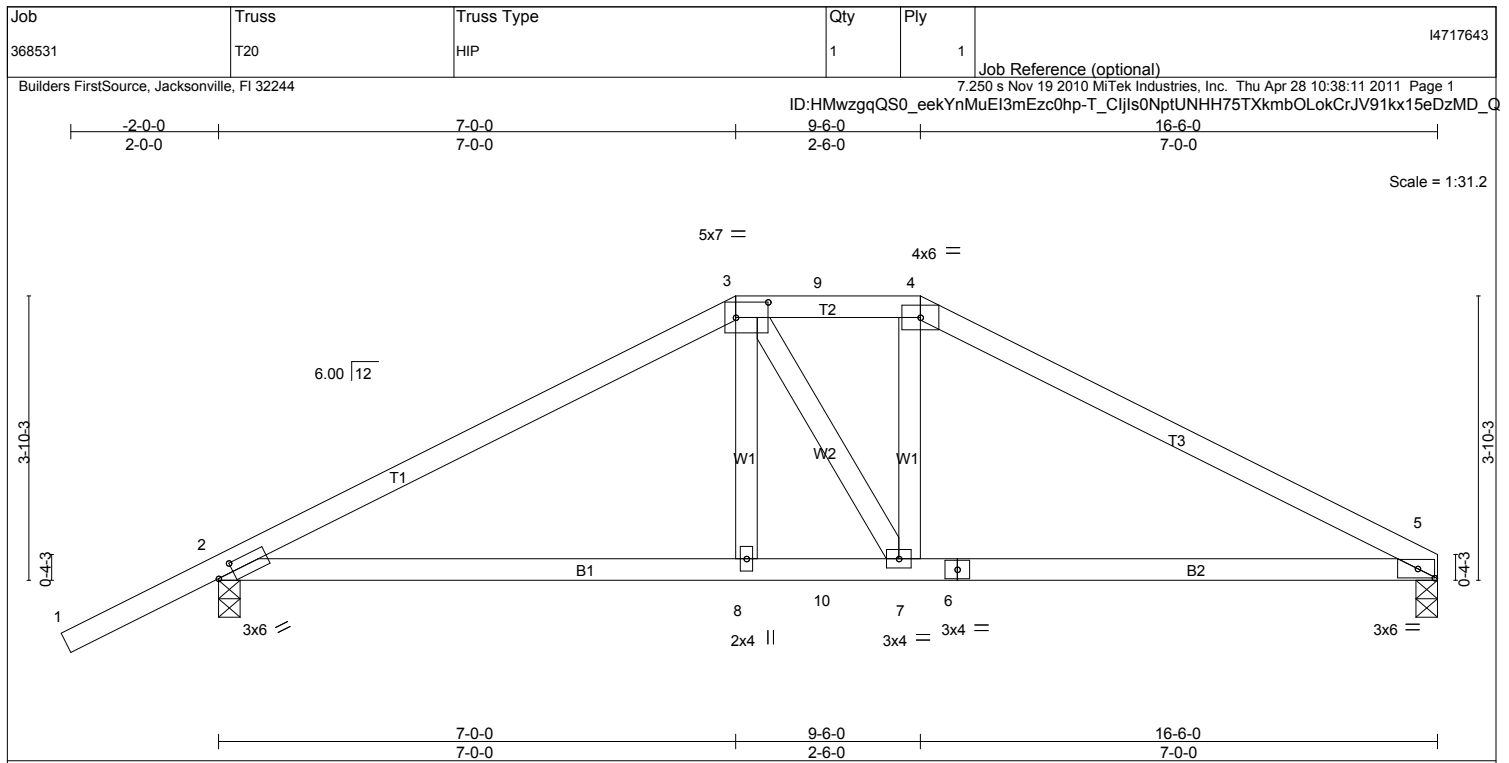


Plate Offsets (X,Y): [2:0-2-10,0-1-8], [3:0-5-4,0-2-8], [5:0-2-12,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.52	Vert(LL) 0.19	5-7	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.47	Vert(TL) -0.17	5-7	>999	180			
BCLL 0.0 *	Rep Stress Incr NO	WB 0.15	Horz(TL) -0.05	5	n/a	n/a			
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)						Weight: 71 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-0 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=986/0-3-8, 2=1122/0-3-8
Max Horz 2=110(LC 5)
Max Uplift 5=1043(LC 6), 2=1177(LC 5)

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

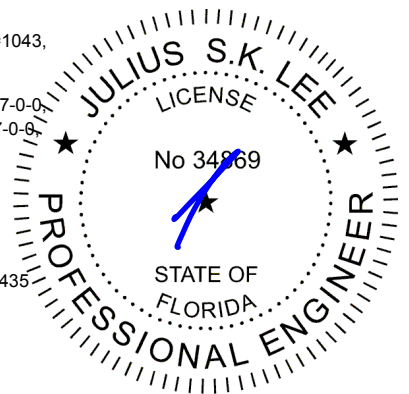
TOP CHORD 2-3=-1791/1927, 3-9=-1540/1798, 4-9=-1540/1798, 4-5=-1802/1934
BOT CHORD 2-8=-1672/1511, 8-10=-1693/1523, 7-10=-1693/1523, 6-7=-1660/1528, 5-6=-1660/1528
WEBS 3-8=-542/459, 4-7=-568/465

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; 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 SYP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=1043, 2=1177.
- "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) 171 lb down and 194 lb up at 7-0-0, and 110 lb down and 97 lb up at 8-3-0, and 211 lb down and 194 lb up at 9-6-0 on top chord, and 280 lb down and 390 lb up at 7-0-0, and 72 lb down and 57 lb up at 8-3-0, and 280 lb down and 390 lb up at 9-5-4 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.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



Continued on page 2

April 28, 2011



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1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 368531	Truss T20	Truss Type HIP	Qty 1	Ply 1	Job Reference (optional) I4717643
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Builders FirstSource, Jacksonville, FL 32244

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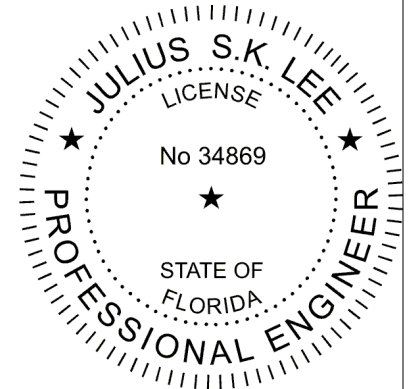
LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-54, 4-5=-54, 2-5=-10

Concentrated Loads (lb)

Vert: 3=-171(B) 4=-171(B) 8=-237(B) 7=-237(B) 9=-110(B) 10=-24(B)



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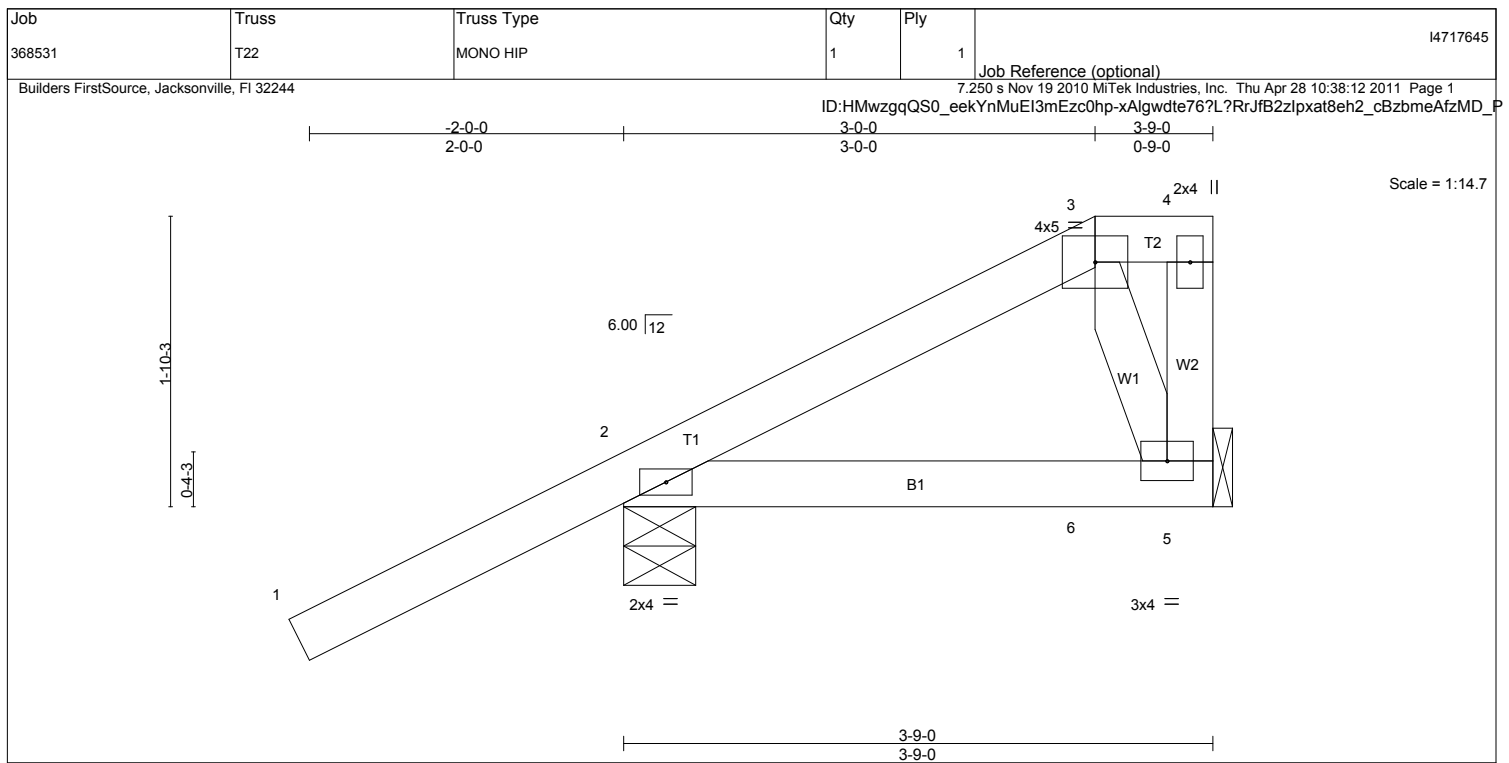
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LOADING (psf)

TCLL	20.0
TCDL	7.0
BCLL	0.0 *
BCDL	5.0

SPACING

Plates Increase	1.25
Lumber Increase	1.25
Rep Stress Incr	NO
Code FBC2007/TPI2002	

CSI

TC	0.31
BC	0.11
WB	0.01
(Matrix)	

DEFL

	in	(loc)	l/defl	L/d
Vert(LL)	-0.01	2-5	>999	240
Vert(TL)	-0.01	2-5	>999	180
Horz(TL)	-0.00	5	n/a	n/a

PLATES

MT20

GRIP

244/190

Weight: 19 lb FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 5=54/Mechanical, 2=270/0-5-8

Max Horz 2=119(LC 5)
Max Uplift 5=-73(LC 6), 2=-195(LC 5)
Max Grav 5=64(LC 2), 2=270(LC 1)

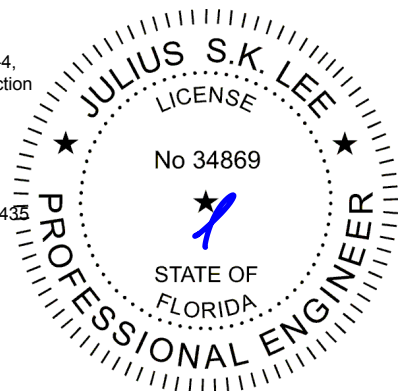
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES (11-14)

- Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); 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 SYP No.2 .
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=195.
- "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) 8 lb down and 50 lb up at 3-7-4, and 0 lb down and 33 lb up at 3-0-0 on top chord, and 29 lb down at 3-0-0 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.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package).
- 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=-54, 3-4=-54, 2-5=-10
Concentrated Loads (lb)
Vert: 4=-8(B) 3=33(B) 6=-10(B)



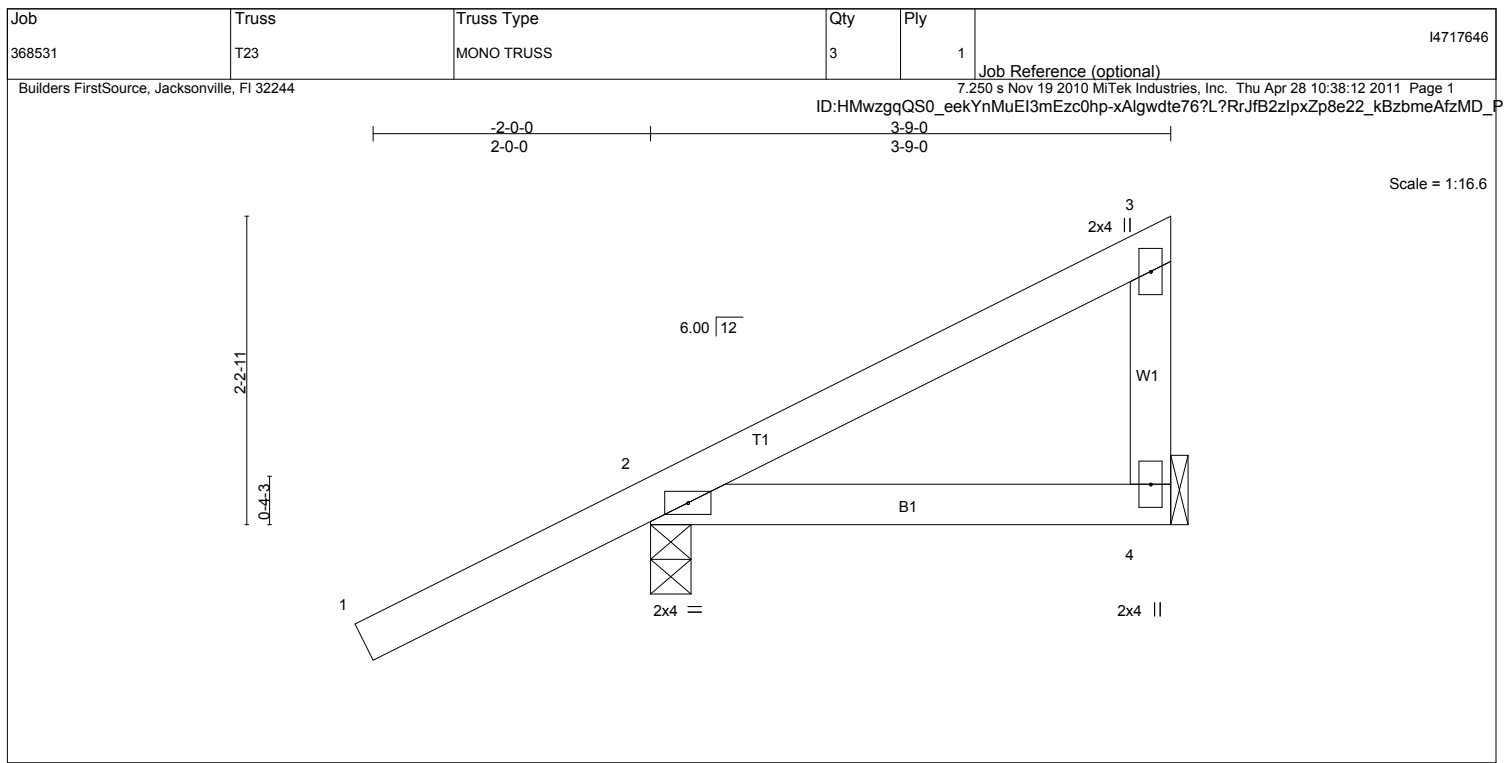
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Boynton, FL 33435



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.09	Vert(TL)	-0.01	2-4	>999	180		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00		n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2007/TPI2002							Weight: 18 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

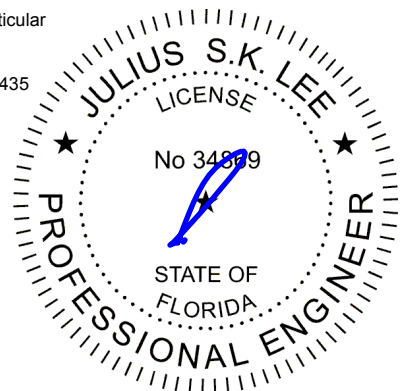
REACTIONS (lb/size) 2=268/0-3-8, 4=72/Mechanical
Max Horz 2=130(LC 6)
Max Uplift 2=-182(LC 6), 4=-25(LC 5)

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

NOTES

- Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) 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
- 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 SYP No.2 .
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=182.
- "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.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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



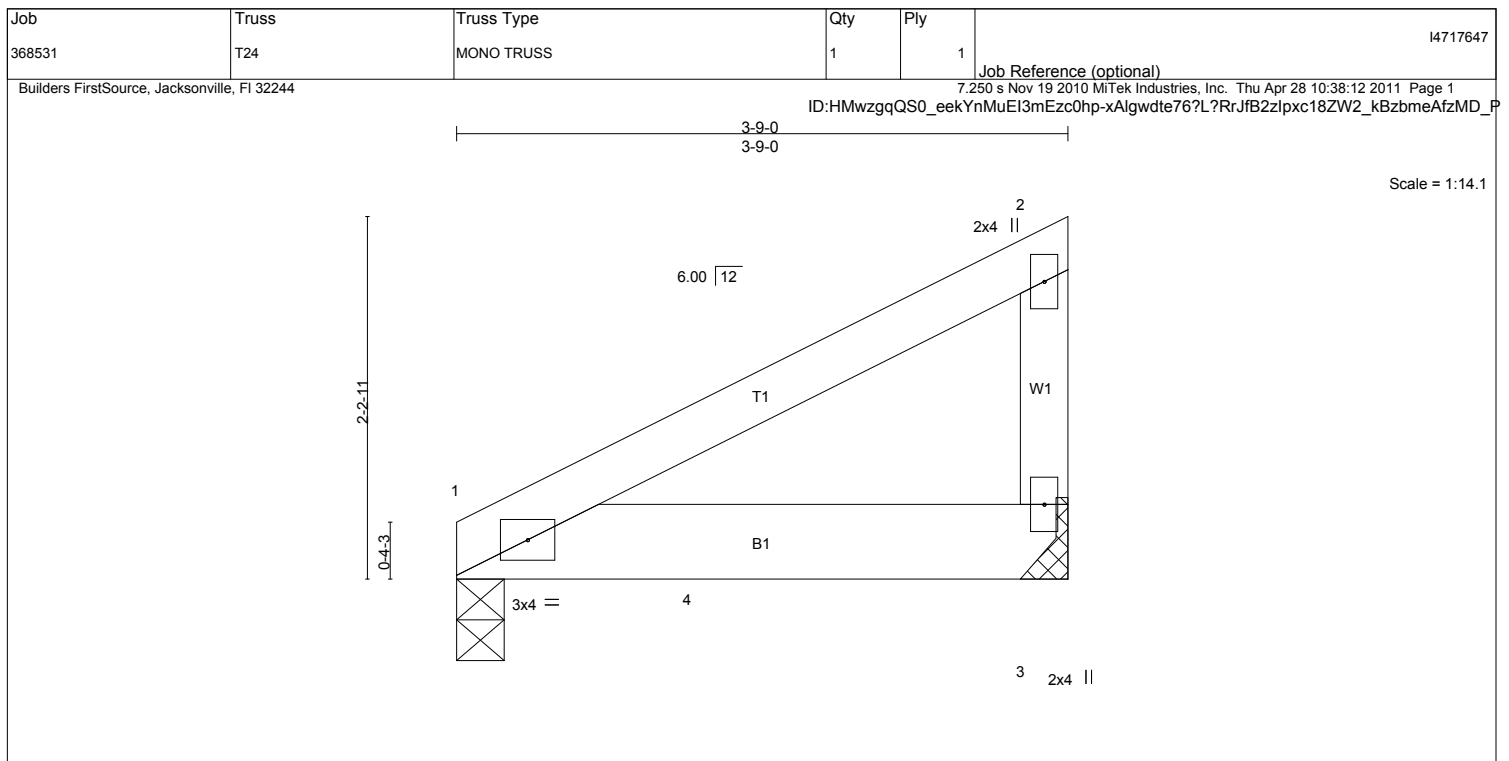
April 28, 2011



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.

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1109 Coastal Bay Blvd.
Boynton, FL 33435



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.17	Vert(LL)	-0.01	1-3	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.44	Vert(TL)	-0.03	1-3	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(TL)	0.00		n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)						Weight: 17 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 1=406/0-3-8, 3=316/Mechanical
Max Horz 1=67(LC 5)
Max Uplift 1=-119(LC 5), 3=-124(LC 5)

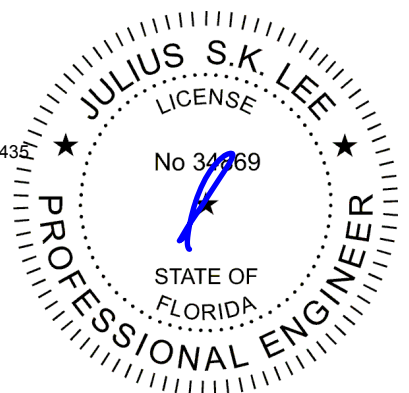
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); 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 SYP No.2 .
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=119, 3=124.
- "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) 500 lb down and 162 lb up at 1-6-12 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 TPI 1 as referenced by the building code.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 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

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-10, 1-2=-54
Concentrated Loads (lb)
Vert: 4=-500(F)



April 28, 2011



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

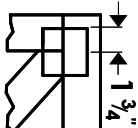
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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.

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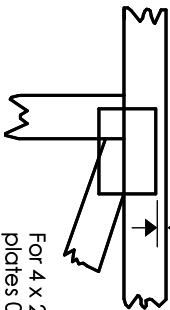
Symbols

PLATE LOCATION AND ORIENTATION

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



0- $\frac{1}{16}$ "



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

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

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

PLATE SIZE

4 X 4

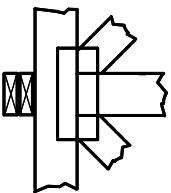
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



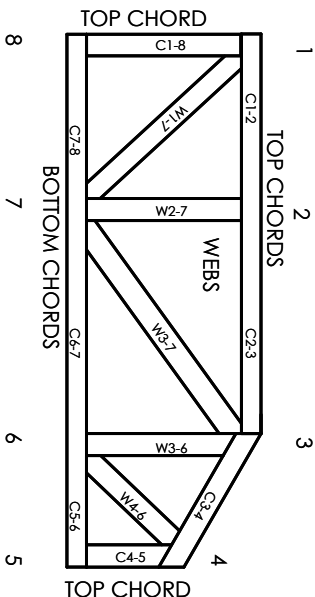
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/FP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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Boynton, FL 33435



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and ware at joint locations are regulated by ANSI/FP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/FP 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/FP 1 Quality Criteria.