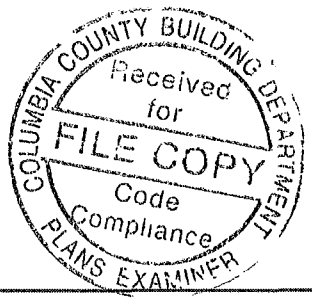


JULIUS LEE PE.

RE 484136 - THOMAS CONST - GOOTEE RES

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

Site Information:
Project Customer Thomas Const Project Name 484136 Model Gootee Res
Lot/Block Subdivision
Address 630 SW Dyal Ave
City Columbia Cty State FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name Unknown at time of seal License # Unknown at time of seal
Address Unknown at time of seal
City Unknown at time of seal State Unknown at time of seal

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code FBC2010/TPI2007 Design Program MiTek 20/20 7 3
Wind Code. ASCE 7-10 Wind Speed: 130 mph Floor Load N/A psf
Roof Load 32.0 psf

This package includes 28 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.

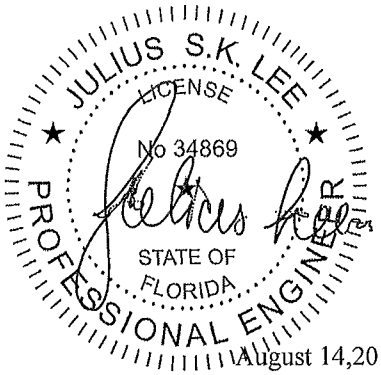
No	Seal#	Truss Name	Date	No	Seal#	Truss Name	Date
1	I7121956	CJ01	8/14/013	18	I7121973	T07	8/14/013
2	I7121957	CJ02	8/14/013	19	I7121974	T08	8/14/013
3	I7121958	CJ03	8/14/013	20	I7121975	T10	8/14/013
4	I7121959	CJ04	8/14/013	21	I7121976	T11	8/14/013
5	I7121960	CJ05	8/14/013	22	I7121977	T12	8/14/013
6	I7121961	EJ01	8/14/013	23	I7121978	T13	8/14/013
7	I7121962	EJ02	8/14/013	24	I7121979	T14	8/14/013
8	I7121963	EJ03	8/14/013	25	I7121980	T15	8/14/013
9	I7121964	EJ04	8/14/013	26	I7121981	T16	8/14/013
10	I7121965	HJ01	8/14/013	27	I7121982	T17	8/14/013
11	I7121966	HJ02	8/14/013	28	I7121983	T18	8/14/013
12	I7121967	T01	8/14/013				
13	I7121968	T01G	8/14/013				
14	I7121969	T02	8/14/013				
15	I7121970	T04	8/14/013				
16	I7121971	T05	8/14/013				
17	I7121972	T06	8/14/013				

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, 2015.

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



August 14,2013

Julius Lee

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.	I7121956
484136	CJ01	Jack-Open Truss	8	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries Inc. Wed Aug 14 13.20:22 2013 Page 1

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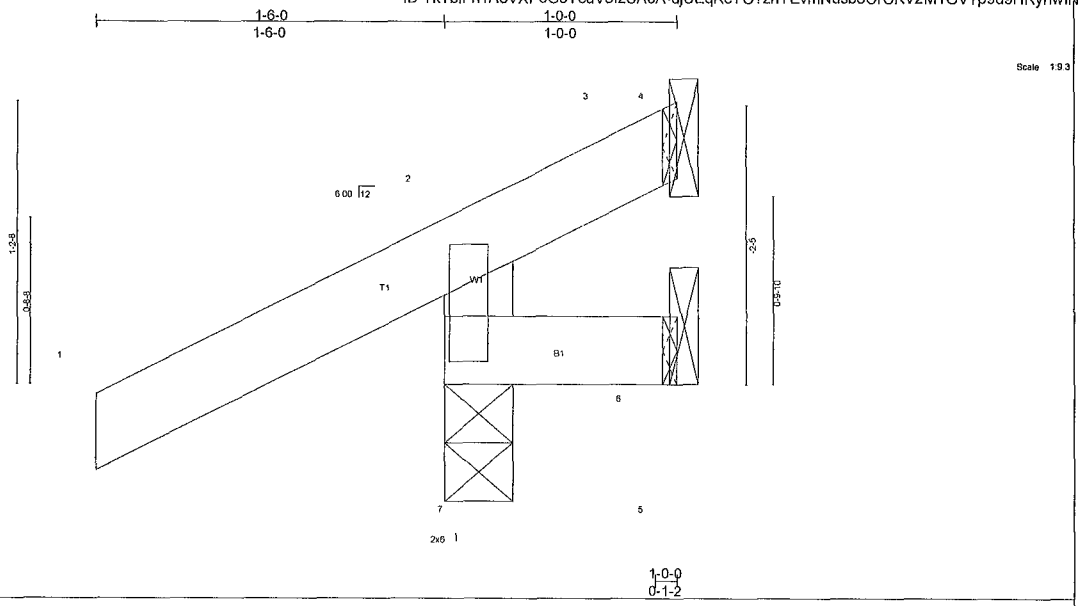


Plate Offsets (X,Y) [7 0-2-5,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0 22	Vert(LL)	0 00	7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.04	Vert(TL)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 00	Horz(TL)	-0 00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 6 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

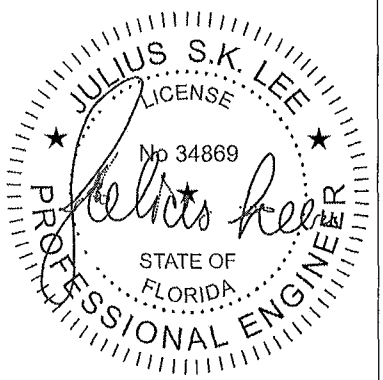
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=171/0-3-8 (min 0-1-8) 3=-38/Mechanical 6=-16/Mechanical
Max Horz 7=56(LC 12)
Max Uplift 7=-104(LC 12) 3=-47(LC 2) 6=-20(LC 2)
Max Grav 7=209(LC 2) 3=25(LC 8) 6=10(LC 3)

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

NOTES (7-9)
1) Wind: ASCE 7 10 Vult=130mph (3-second gust) Vasd=101mph: TCDL=4 2psf: BCDL=3.0psf h=18ft; Cat II Exp C Encl GCpi=0.18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone end vertical left exposed porch left and right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 7 47 lb uplift at joint 3 and 20 lb uplift at joint 6
6) Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB
9) Truss Design Engineer: Julius Lee PE Florida P E. License No 34869: Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



August 14,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.
484136	CJ03	Jack-Open Truss	8	1	I7121958

Job Reference (optional)

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Wed Aug 14 13:20:24 2013 Page 1

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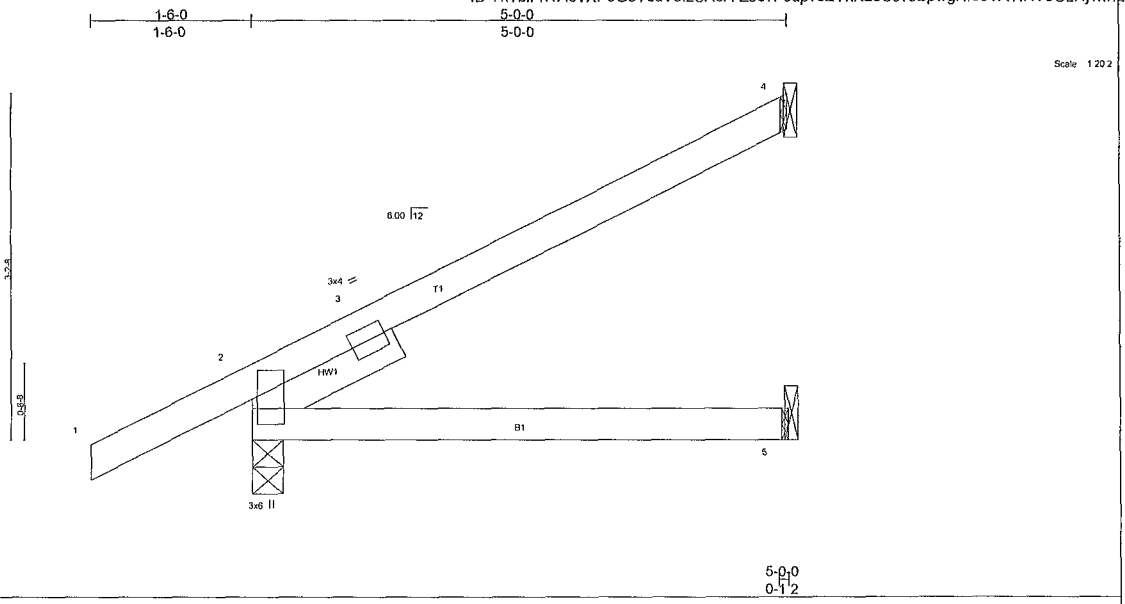


Plate Offsets (X,Y) [2.0-1 12,0-0-9]

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 45	Vert(LL)	0 14	5-8	>434	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.40	Vert(TL)	0 12	5-8	>493	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0 04	4	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 21 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No 3 1-6-0

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

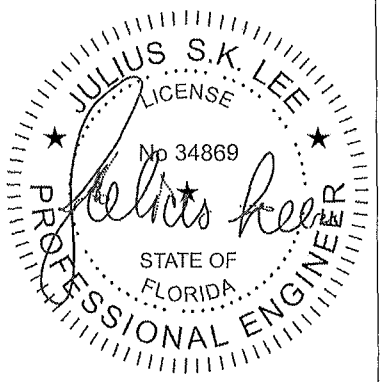
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=89/Mechanical, 2=209/0-3-8 (min 0-1-8) 5=34/Mechanical
Max Horz 2=151(LC 12)
Max Uplift4=-107(LC 12) 2=-102(LC 12) 5=-49(LC 9)
Max Grav 4=109(LC 2) 2=251(LC 2) 5=66(LC 3)

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

NOTES (7-9)
1) Wind ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf· BCDL=3.0psf· h=18ft, Cat. II Exp C, Encl. GCpi=0 18 MWFRS (envelope) gable end zone and C-C Exterior(2) zone end vertical left exposed porch left and right exposed·C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1 60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 4 102 lb uplift at joint 2 and 49 lb uplift at joint 5.
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB
9) Truss Design Engineer· Julius Lee PE. Florida P E License No. 34869· Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard



August 14,2013

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

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.	I7121960
484136	CJ05	Jack-Open Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries Inc. Wed Aug 14 13:20:26 2013 Page 1

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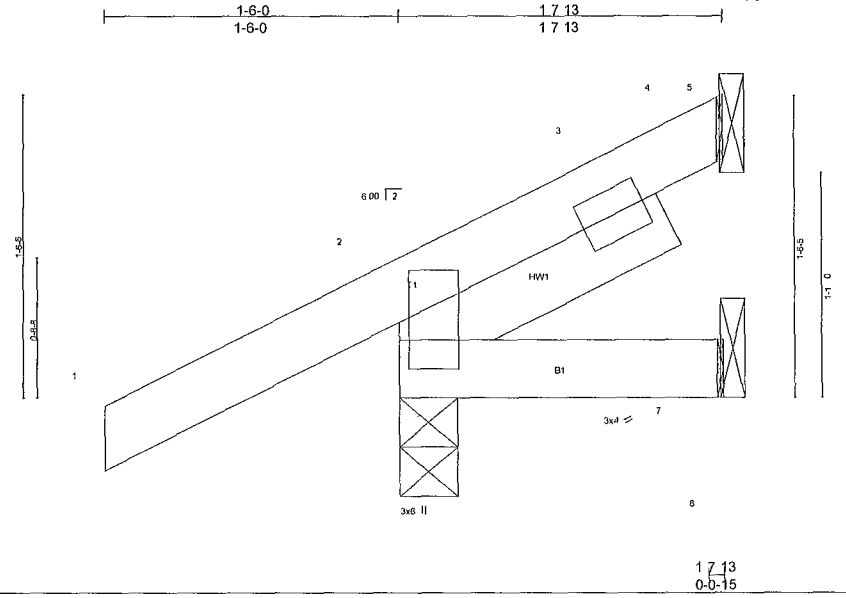


Plate Offsets (X,Y): [2 0-1 12,0-0-9]

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 17	Vert(LL) -0 00 10 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.02	Vert(TL) 0 00 10 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0 00	Horz(TL) 0 00 2 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight. 10 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No 3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 1 7 13 oc purlins
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

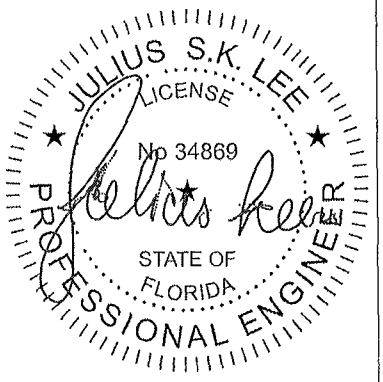
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=140/0-3-8 (min 0-1-8) 4=12/Mechanical 7=3/Mechanical
Max Horz 2=73(LC 12)
Max Uplift2=-78(LC 12) 4=-32(LC 12) 7=-11(LC 9)
Max Grav 2=170(LC 2), 4=14(LC 2) 7=21(LC 3)

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

NOTES (7-9)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf BCDL=3.0psf; h=18ft, Cat. II Exp C Encl GCpi=0 18 MWFRS (envelope) gable end zone and C-C Exterior(2) zone end vertical left exposed porch left and right exposed;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2 0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 2 32 lb uplift at joint 4 and 11 lb uplift at joint 7
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note: Visually graded lumber designation SPp represents new lumber design values as per SPIB
9) Truss Design Engineer: Julius Lee PE Florida P E License No. 34869; Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



August 14,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES	I7121962
484136	EJ02	Jack-Partial Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries Inc. Wed Aug 14 13.20:27 2013 Page 1

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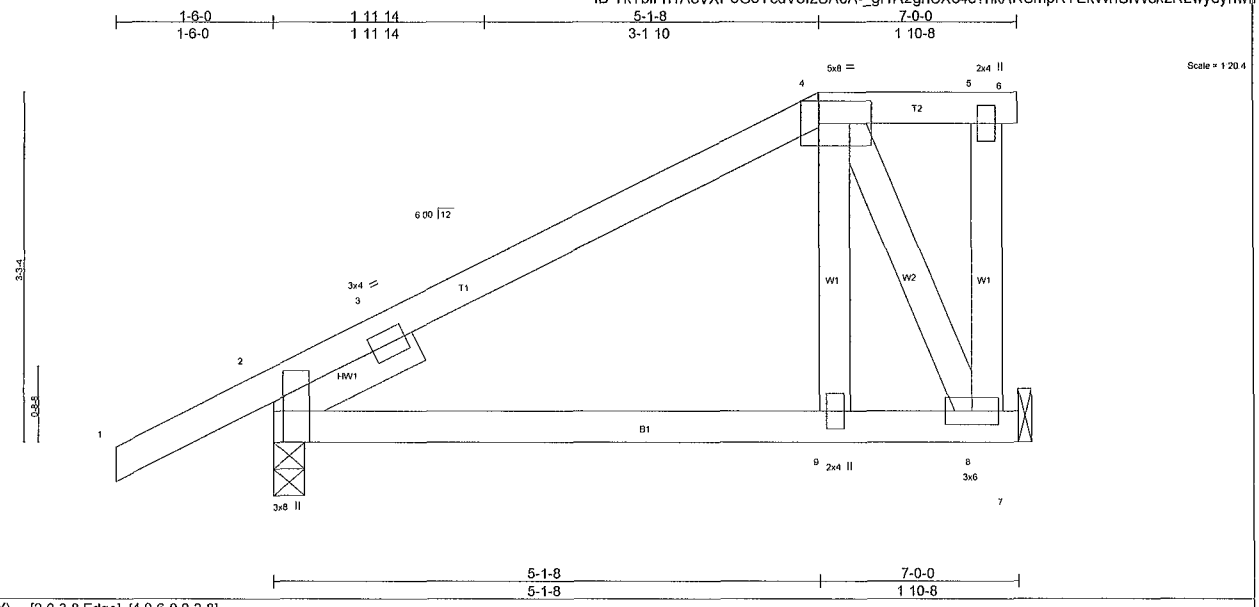

Plate Offsets (X,Y) [2 0-3-8,Edge], [4 0-6-0,0-2-8]

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 31	Vert(LL)	0 05	9-12	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0 30	Vert(TL)	-0 04	9-12	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0 02	2	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 39 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No 2
WEBS 2x4 SP No 3
SLIDER Left 2x4 SP No.3 1-6-0

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

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

REACTIONS (lb/size) 2=254/0-3-8 (min 0-1-8) 8=181/Mechanical
Max Horz 2=108(LC 12)
Max Uplift 2=-72(LC 12) 8=-67(LC 12)
Max Grav 2=305(LC 2) 8=213(LC 2)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-352/179
BOT CHORD 2-9=-291/205
WEBS 4-8=-275/248

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7 10 Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf; BCDL=3.0psf; h=18ft, Cat. II Exp C, Encl GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone end vertical left exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 2 and 67 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) Note: Visually graded lumber designation SPp represents new lumber design values as per SP1B
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

August 14,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES	I7121964
484136	EJ04	Jack-Partial Truss	2	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 7 350 s Sep 27 2012 MiTek Industries, Inc. Wed Aug 14 13:20:32 2013 Page 1
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1-6-0 6-3-8
1-6-0 6-3-8

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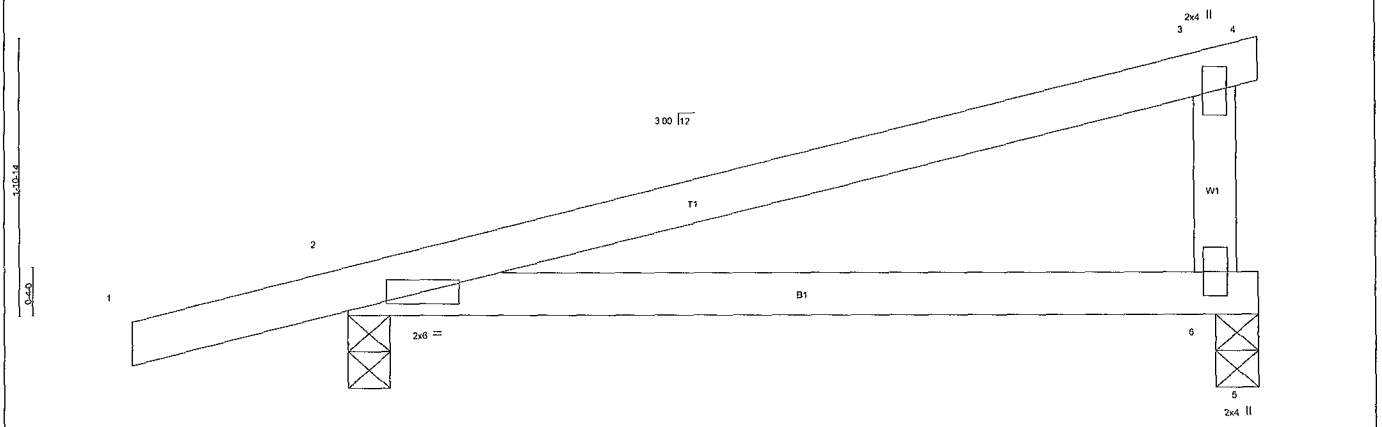

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.16	6-9	>463	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	0.13	6-9	>541	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 23 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 2=259/0-3-8 (min. 0-1-8), 6=138/0-3-8 (min. 0-1-8)
Max Horz 2=100(LC 8)
Max Uplift 2=-282(LC 8) 6=-155(LC 8)
Max Grav 2=310(LC 2) 6=162(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-601/1160
BOT CHORD 2-6=-1292/659

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 2 and 155 lb uplift at joint 6.
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI/TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE. Florida P.E. License No. 34869. Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435.

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

August 14,2013

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

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.
484136	HJ01	Diagonal Hip Girder	4	1	I7121965
					Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert. 3=49(F=24 B=24) 13=-5(F=-2 B=-2) 14=-90(F=-45 B=-45) 15=23(F=11 B=11) 16=-12(F=-6, B=-6) 17=-48(F=-24 B=-24)

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES	I7121967
484136	T01	Common Truss	8	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Wed Aug 14 13:20:34 2013 Page 1

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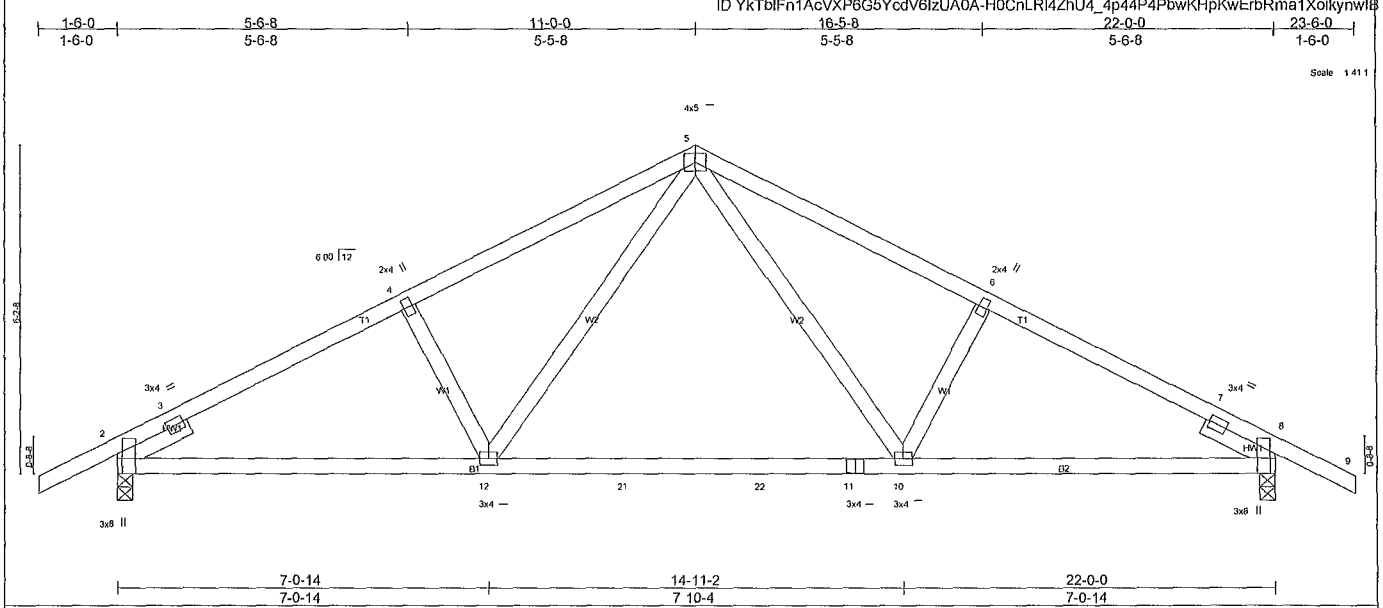

Plate Offsets (X,Y) [2:0-4-9,Edge], [8:0-4-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0 89	Vert(LL)	0 41	10-12	>645	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 93	Vert(TL)	-0 64	10-12	>412	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 39	Horz(TL)	0 07	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 109 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No 2
BOT CHORD 2x4 SP No.2 *Except*
B1 2x4 SP No.1
WEBS 2x4 SP No 3
SLIDER Left 2x4 SP No 3 1-6-0 Right 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-5-12 oc bracing

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

REACTIONS (lb/size) 2=898/0-3-8 (min 0-1-8) 8=898/0-3-8 (min 0-1-8)
Max Horz 2=131(LC 12)
Max Uplift2=-480(LC 12) 8=-480(LC 13)
Max Grav 2=1021(LC 2) 8=1021(LC 2)

FORCES (lb) Max. Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-386/58 3-4=-1821/1005 4-5=-1734/1024 5-6=-1726/1021 6-7=-1814/1002 7-8=-380/48
BOT CHORD 2-12=-753/1578 12-21=-431/1106 21 22=-431/1106 11-22=-431/1106, 10-11=-431/1106
8-10=-759/1588
WEBS 5-10=-393/696, 5-12=-398/707

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf BCDL=3 0psf· h=18ft, Cat. II Exp C, Encl GCpi=0 18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown· Lumber DOL=1 60 plate grip DOL=1 60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 480 lb uplift at joint 2 and 480 lb uplift at joint 8
7) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss
8) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note· Visually graded lumber designation SPp represents new lumber design values as per SPIB.
11) Truss Design Engineer· Julius Lee PE. Florida P E License No 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

LOAD CASE(S) Standard
1) Regular· Lumber Increase=1.25 Plate Increase=1.25
Uniform Loads (plf)
Vert. 1-5=-44 5-9=-44 12-13=-10, 12-21=-61(F=-51) 21-22=-91(F=-51) 10-22=-61(F=-51) 10-17=-10

August 14,2013

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

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.	I7121969
484136	T02	Common Truss	3	1	Job Reference (optional)	

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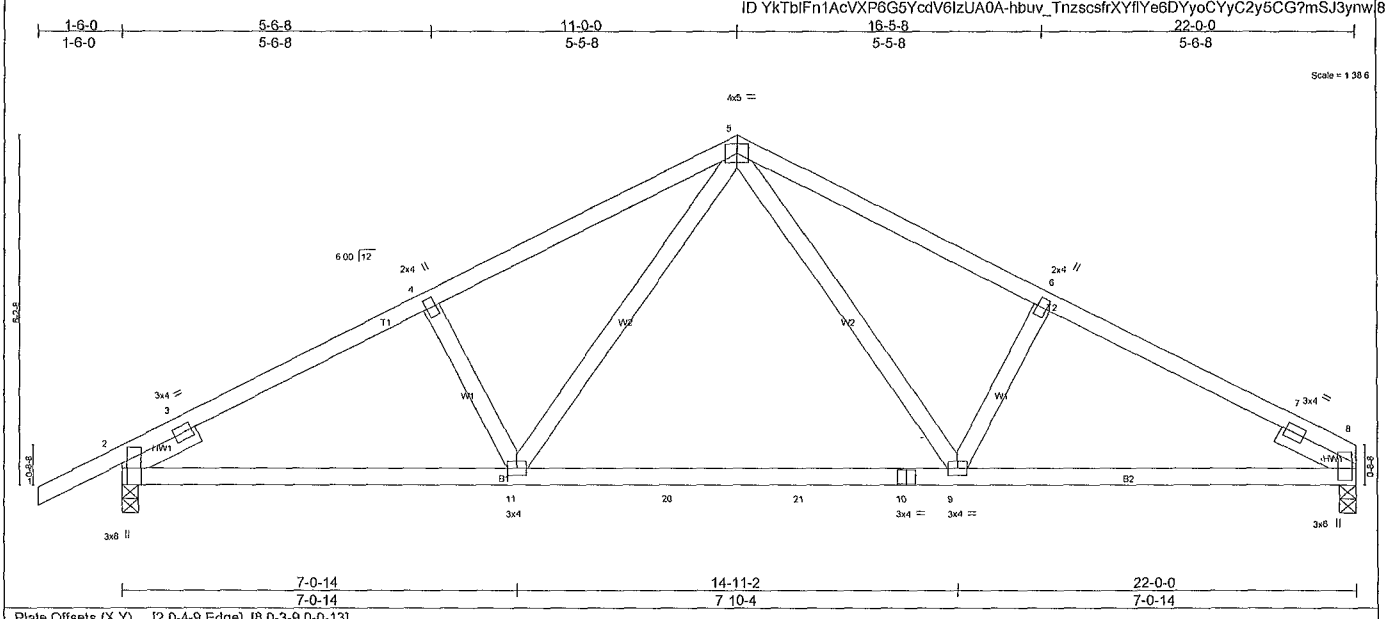

Plate Offsets (X,Y) [2 0-4-9,Edge], [8 0-3-9,0-0-13]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20 0	Plates Increase 1.25	TC 0 88	Vert(LL)	0 41	9-11	>651	240	MT20	244/190
TCDL 7 0	Lumber Increase 1 25	BC 0 91	Vert(TL)	-0 63	9-11	>421	180		
BCLL 0 0 *	Rep Stress Incr NO	WB 0 39	Horz(TL)	0 07	8	n/a	n/a		
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)						Weight 107 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1 2x4 SP No.1
WEBS 2x4 SP No 3
SLIDER Left 2x4 SP No 3 1-6-0 Right 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-3-6 oc bracing

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

REACTIONS (lb/size) 8=825/0-3-8 (min. 0-1-8) 2=896/0-3-8 (min 0-1-8)
Max Horz 2=89(LC 16)
Max Uplift 8=-241(LC 13) 2 -270(LC 12)
Max Grav 8=937(LC 2) 2=1023(LC 2)

FORCES (lb) Max. Comp./Max Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-391/62 3-4=-1817/1012 4-5=-1730/1031 5-6=-1719/1036 6-7=-1806/1017 7-8=-404/115
BOT CHORD 2-11=-803/1544 11-20=-473/1057 20-21=-473/1057 10-21=-473/1057 9-10=-473/1057
8-9= 809/1532
WEBS 5-9=-403/686 5-11=-395/701

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7 10 Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf BCDL=3.0psf h=18ft, Cat. II Exp C, Encl GCpi=0.18 MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
3) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
4) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
5) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=241 2=270.
7) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note' Visually graded lumber designation SPp represents new lumber design values as per SPIB
11) Truss Design Engineer' Julius Lee PE. Florida P E. License No 34869. Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard
1) Regular' Lumber Increase=1.25 Plate Increase=1 25
Uniform Loads (plf)
Vert: 1-5=-44 5-8=-44 11 16=-10, 11-20=-61(F=-51) 20-21=-91(F=-51) 9-21=-61(F=-51) 9-12=-10

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

August 14,2013

WARNING Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design paramenters 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 BCSI1 Building Component Safety Information** available from Truss Plate Institute 583 D'Onofrio Drive Madison, WI 53719

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

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES
484136	T04	Hip Truss	1	1	I7121970 Job Reference (optional)

11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB
13) Truss Design Engineer: Julius Lee PE. Florida P E License No. 34869. Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-44 3-6=-44, 6-7=-44 7-9=-44 8-15=-10
Concentrated Loads (lb)
Vert. 3=-86(F) 6=-86(F) 14=-252(F) 11=-40(F) 20=-86(F) 21=-86(F) 22=-86(F) 23=-86(F) 24=-86(F) 25=-86(F) 26=-40(F) 27=-40(F) 28=-40(F) 29=-40(F) 30=-40(F) 31=-40(F) 32=-171(F) 33=-171(F)

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

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.	I7121972
484136	T06	Hip Truss	1	1	Job Reference (optional)	

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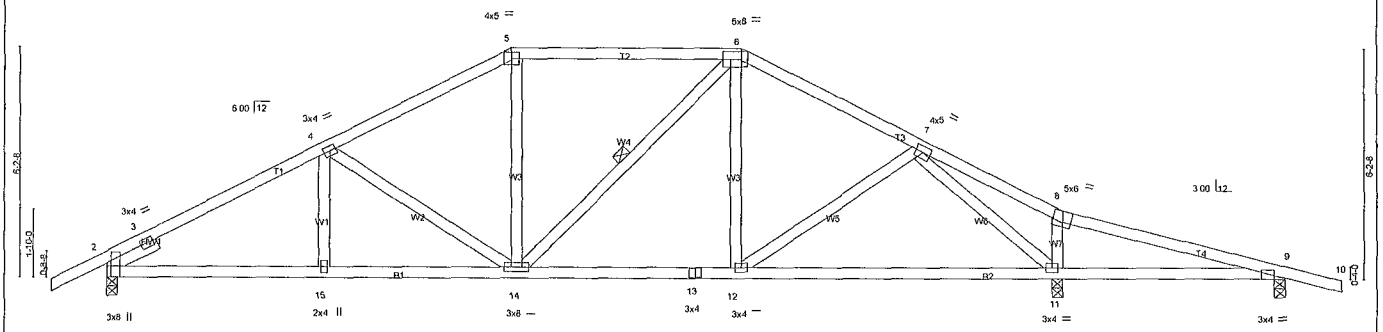
1-6-0	5-11-3	11-0-0	17 3-0	22-0-6	26-0-0	32-0-0	33-6-0
1-6-0	5-11-3	5-0-13	6-3-0	4-9-6	3-11 11	6-0-0	1-6-0

Scale 1 58 8



5-11-3	11 0-0	17-3-0	25-10-4	26-0-0	32-0-0
5-11-3	5-0-13	6-3-0	8-7-4	0-1 12	6-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.49	Vert(LL)	0 09	11 22	>798	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0.46	Vert(TL)	-0 22	11 12	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 59	Horz(TL)	0 04	11	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 166 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No 2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No 3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing
WEBS 1 Row at midpt 6-14

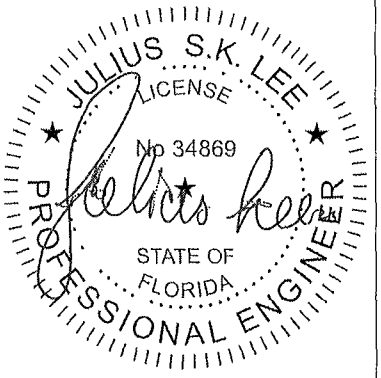
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=753/0-3-8 (min 0-1-8) 11=908/0-3-8 (min 0-1-8) 9=199/0-3-8 (min. 0-1-8)
Max Horz 2=-81(LC 10)
Max Uplift2=-217(LC 12) 11=-226(LC 13) 9=-214(LC 9)
Max Grav 2=895(LC 2) 11=1073(LC 2) 9=255(LC 28)

FORCES (lb) Max Comp./Max. Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-438/90 3-4=-1365/790 4-5=-1092/690 5-6=-953/674 6-7=-987/622 8-9=-354/715
BOT CHORD 2-15=-555/1141 14-15=-555/1141 13-14=-273/778 12 13=-273/778 11 12=-334/693
9-11=-750/385
WEBS 4-14=-330/274 7 11=-1193/634

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf· BCDL=3 0psf· h=18ft; Cat. II Exp C Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone end vertical left exposed porch right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=217 11=226 9=214
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB.
11) Truss Design Engineer· Julius Lee PE. Florida P E. License No. 34869· Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard



August 14,2013

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

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES	I7121974
484136	T08	Special Truss	1	1	Job Reference (optional)	

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1-6-0	6-5-12	14-1-8	20-1-5	26-0-0	32-0-0	33-6-0
1-6-0	6-5-12	7 7 12	5-11 13	5-10-11	6-0-0	1-6-0

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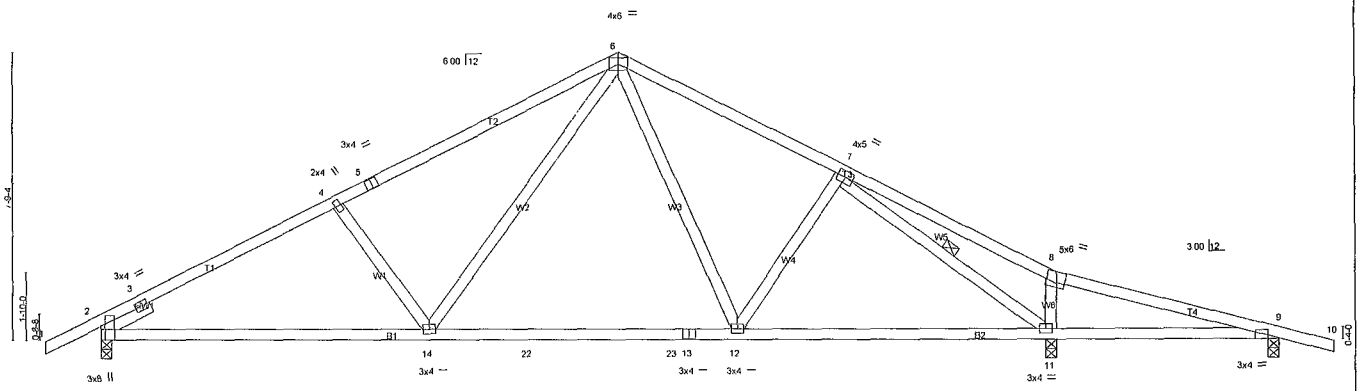


8-11-4	17-3-12	25-10-4	26-0-0	32-0-0
8-11-4	8-4-8	8-6-8	0-1 12	6-0-0

Plate Offsets (X,Y): [2:0-4-9,Edge], [9 0-3-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.83	Vert(LL)	-0 24	12-14	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0 34	12-14	>913	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 50	Horz(TL)	0 04	11	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 158 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing
WEBS 1 Row at midpt 7 11

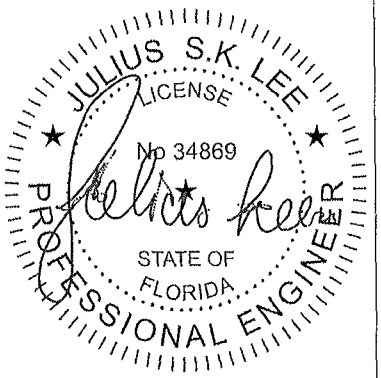
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=815/0-3-8 (min 0-1-8) 11=938/0-3-8 (min 0-1-8) 9=226/0-3-8 (min 0-1-8)
Max Horz 2=-102(LC 10)
Max Uplift2=-232(LC 12) 11=-251(LC 13) 9=-213(LC 9)
Max Grav 2=903(LC 2) 11=1037(LC 2) 9=285(LC 28)

FORCES (lb) Max. Comp./Max Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-599/79 3-4=-1538/848 4-5= 1377/792 5-6= 1297/818 6-7= 1143/693 8-9=-392/694
BOT CHORD 2-14=-610/1299 14-22=-219/780 22-23=-219/780 13-23=-219/780 12 13=-219/780
11 12=-383/934 9-11=-726/420
WEBS 4-14=-380/384 6-14=-311/531 6-12=-125/265 7 11=-1290/631 8-11 293/284

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7 10 Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf BCDL=3 0psf h=18ft; Cat. II Exp C, Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone end vertical left exposed porch right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5 0psf
5) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=232 11=251 9=213.
7) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
9) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB.
10) Truss Design Engineer Julius Lee PE Florida P E. License No 34869 Address 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard



August 14,2013

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

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES	I7121976
484136	T11	Special Truss	2	1	Job Reference (optional)	

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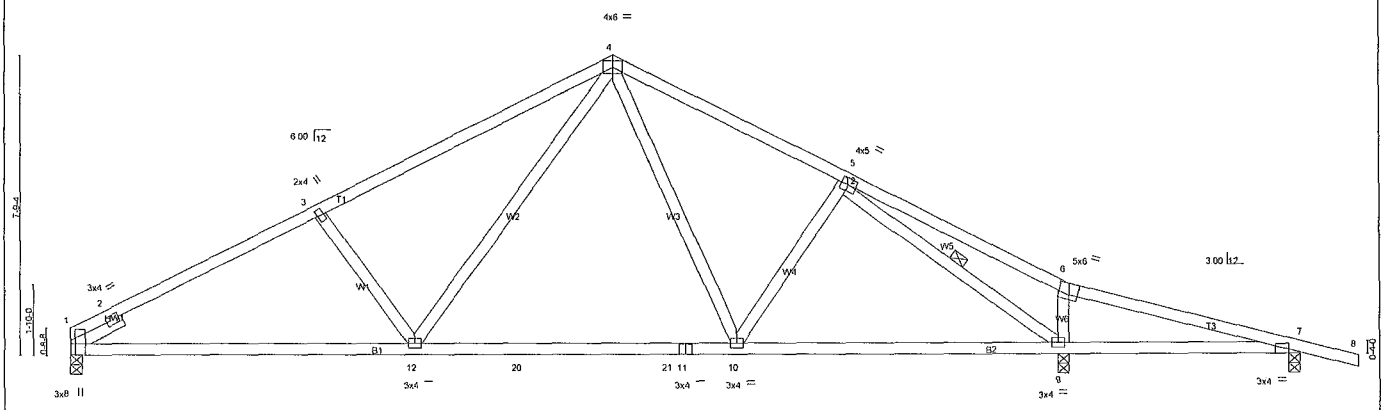
6-5-12	14-1-8	20-1-5	26-0-0	32-0-0	33-6-0
6-5-12	7 7 12	5-11 13	5-10-11	6-0-0	1-6-0

Scale = 1:58.5



8-11-4	17-3-12	25-10-4	26-0-0	32-0-0
8-11-4	8-4-8	8-6-8	0-1 12	6-0-0

Plate Offsets (X,Y) [1 0-3-8,Edge], [7 0-3-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0 82	Vert(LL)	-0 23	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0 33	10-12	>933	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0 04	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 156 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied
BOT CHORD Rigid ceiling directly applied or 6-0-0 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) 1=747/0-3-8 (min 0-1-8) 9=937/0-3-8 (min 0-1-8) 7=228/0-3-8 (min 0-1-8)
Max Horz 1=-110(LC 13)
Max Uplift 1 -203(LC 12) 9=-251(LC 13), 7=-213(LC 9)
Max Grav 1=820(LC 2) 9=1036(LC 2) 7=286(LC 28)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 1 2=-617/144 2-3=-1548/858, 3-4=-1385/827 4-5=-1146/697 6-7=-394/698
BOT CHORD 1 12=-632/1315 12-20=-225/785, 20-21=-225/785 11 21=-225/785 10-11=-225/785
9-10=-390/940 7-9=-729/422
WEBS 3-12=-385/389 4-12=-319/538 4-10=-125/265, 5-9=-1285/625 6-9=-295/287

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind. ASCE 7 10 Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf BCDL=3.0psf h=18ft; Cat. II Exp C, Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone porch right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
3) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5 0psf
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=203 9=251 7=213.
7) Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
9) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB.
10) Truss Design Engineer Julius Lee PE Florida P E. License No. 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

August 14,2013

WARNING *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage, delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.
484136	T12	Half Hip Truss	1	1	I7121977
					Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44 4-8=-44 9-13=-10
Concentrated Loads (lb)
Vert: 4=-86(B) 6=-86(B) 8=-130(B) 12=-252(B) 5=-86(B) 16= 86(B) 17=-86(B) 18=-86(B) 19=-86(B) 20=-86(B) 21=-86(B) 22=-86(B) 23=-40(B) 24=-40(B) 25=-40(B) 26=-40(B) 27=-40(B) 28=-40(B) 29=-40(B) 30=-40(B) 31=-40(B)

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES	I7121979
484136	T14	Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

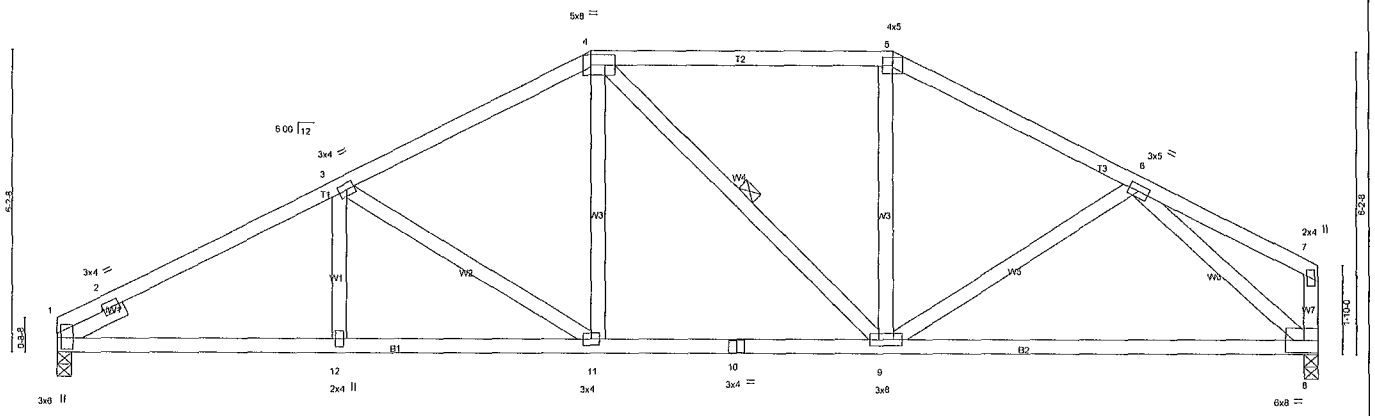
7 350 s Sep 27 2012 MiTek Industries, Inc. Wed Aug 14 13.20:49 2013 Page 1

ID YkTblFn1AcVXP6G5YcdV6lzUA0A-LvcRVZxU1INyHNTyS3rwi4SxPN8CsMjz1sg5jNynwHy

5-9-8 11-0-0 17-3-0 22-2-0 26-0-0

5-9-8 5-2-9 6-3-0 4-11 1 3-10-0

Scale 1 44 7



5-9-8 11-0-0 17-3-0 26-0-0

5-9-8 5-2-9 6-3-0 8-9-0

Plate Offsets (X,Y). [1 0-2-12,0-0-13], [4 0-6-0,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20 0	Plates Increase	1 25	TC	0.49	Vert(LL)	-0 16	8-9	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1 25	BC	0.52	Vert(TL)	-0.29	8-9	>999	180		
BCLL 0 0 *	Rep Stress Incr	YES	WB	0 48	Horz(TL)	0 05	8	n/a	n/a		
BCDL 5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 143 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No 2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No 3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 7 1 1 oc bracing
WEBS 1 Row at midpt 4-9

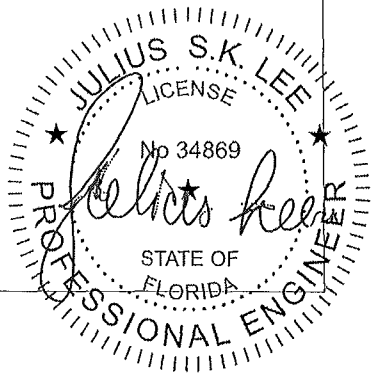
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=698/0-3-8 (min 0-1-8) 8=698/0-3-8 (min 0-1-8)
Max Horz 1=94(LC 12)
Max Uplift 1= 189(LC 12) 8=-173(LC 13)
Max Grav 1=827(LC 2) 8=827(LC 2)

FORCES (lb) Max Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1 2=-476/167 2-3=-1410/814 3-4=-1129/702 4-5=-907/633 5-6=-1043/643
BOT CHORD 1 12=-697/1209 11 12=-697/1209 10-11=-456/926, 9-10=-456/926 8-9=-467/799
WEBS 3-11=-339/286, 4-11=-125/258 6-8=-1046/642

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind ASCE 7 10 Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf BCDL=3.0psf h=18ft Cat. II Exp C Encl GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=189 8=173
8) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB.
11) Truss Design Engineer Julius Lee PE Florida P E License No 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



August 14,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.
484136	T16	Common Truss	4	1	I7121981
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries Inc. Wed Aug 14 13:20:51 2013 Page 1

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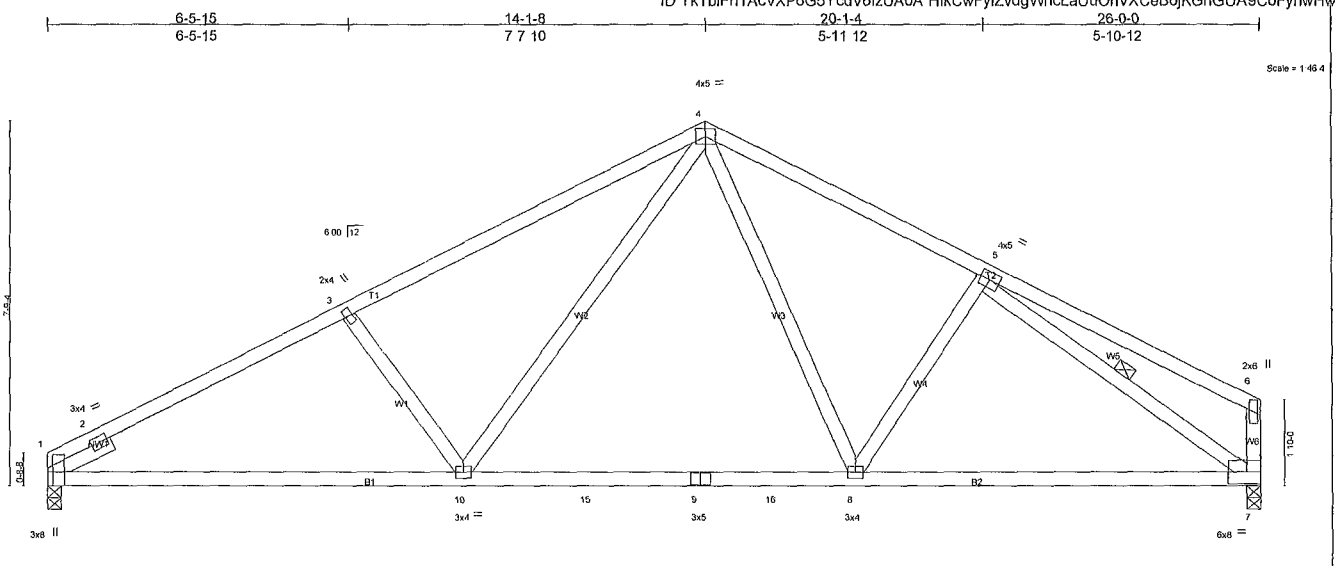


Plate Offsets (X,Y) [1 0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0 82	Vert(LL)	-0 23	8-10	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 58	Vert(TL)	-0.32	8-10	>957	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0 05	7	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 135 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No 2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No 3
SLIDER Left 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-13 oc bracing
WEBS 1 Row at midpt 5-7

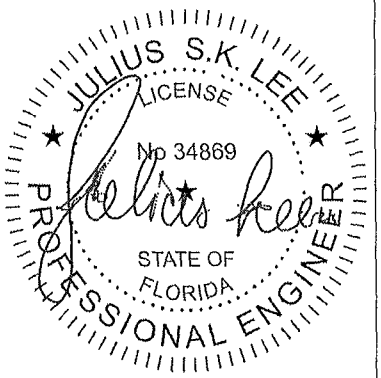
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=754/0-3-8 (min. 0-1-8) 7=760/0-3-8 (min 0-1-8)
Max Horz 1=114(LC 12)
Max Uplift 1=-204(LC 12) 7=-192(LC 13)
Max Grav 1=827(LC 2) 7=827(LC 2)

FORCES (lb) Max Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 1-2=-626/147 2-3=-1563/864 3-4=-1401/835 4-5=-1174/713
BOT CHORD 1 10=-740/1346 10-15=-336/819 9-15=-336/819 9-16=-336/819 8-16=-336/819 7-8=-511/994
WEBS 3-10=-384/389 4-10=-316/536, 4-8= 140/288 5-7=-1186/606

NOTES (8-11)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf· BCDL=3.0psf· h=18ft, Cat. II Exp C Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
3) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
4) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5 0psf
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=204 7=192.
7) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
9) Note· Visually graded lumber designation SPp represents new lumber design values as per SPIB
10) Truss Design Engineer· Julius Lee PE. Florida P E License No 34869· Address 1109 Coastal Bay Blvd Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



August 14,2013

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	THOMAS CONST GOOTEE RES.
484136	T18	Common Truss	2	1	I7121983
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries Inc. Wed Aug 14 13:20:53 2013 Page 1

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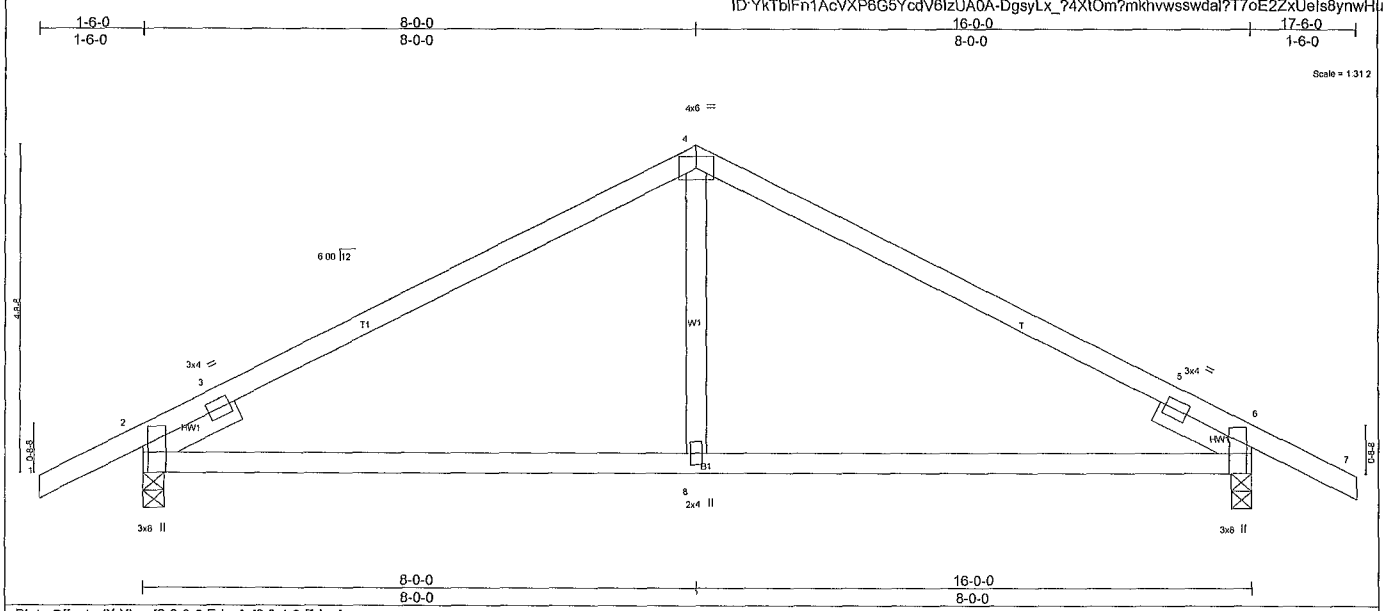


Plate Offsets (X,Y): [2 0-3-8,Edge], [6 0-4-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.26	8-15	>729	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	0.23	8-15	>851	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.05	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 66 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins
BOT CHORD Rigid ceiling directly applied or 5-11-10 oc bracing

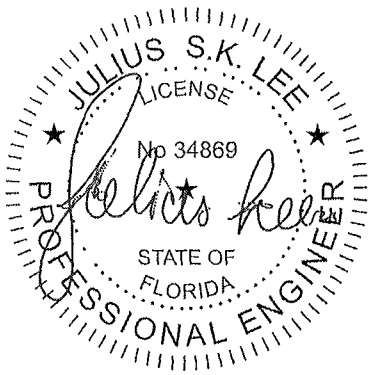
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=498/0-3-8 (min. 0-1-8), 6=498/0-3-8 (min. 0-1-8)
Max Horz 2=64(LC 11)
Max Uplift 2=-243(LC 9), 6=-243(LC 8)
Max Grav 2=593(LC 2), 6=593(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3= 297/350, 3-4=-656/1012, 4-5=-656/1012, 5-6=-297/350
BOT CHORD 2-8=-741/515, 6-8=-741/515
WEBS 4-8=-534/259

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=243, 6=243.
7) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI/TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee PE, Florida P.E. License No. 34869, Address: 1109 Coastal Bay Blvd, Boynton Beach, FL 33435

LOAD CASE(S) Standard



August 14,2013

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

August 10, 2010	T-BRACE / I-BRACE DETAIL WITH 2X BRACE ONLY	ST - T-BRACE 2

MiTek Industries, Inc

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

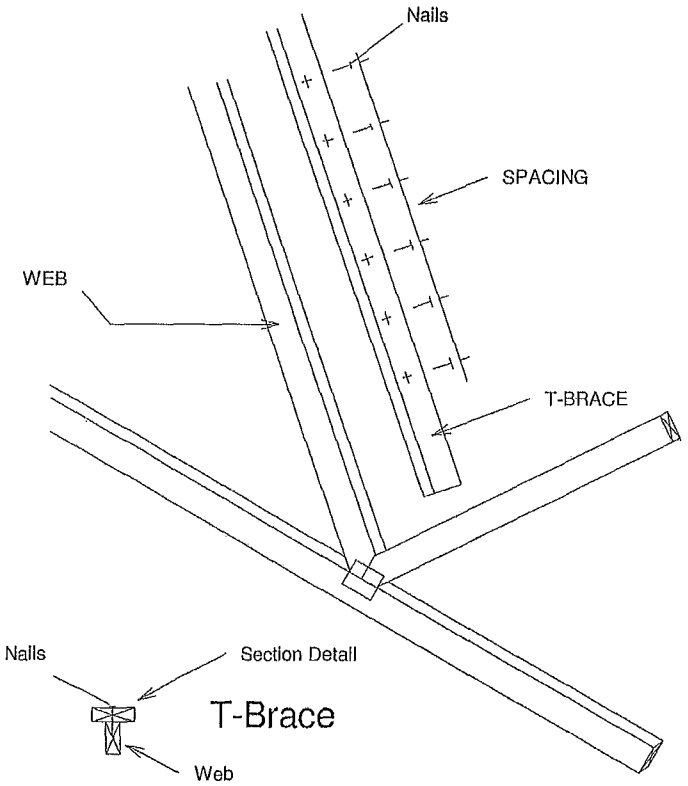
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

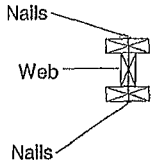
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

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

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

T-Brace / I Brace must be same species and grade (or better) as web member.





I-Brace

1109 COASTAL BAY
BOYNTON BC, FL 33435

JANUARY 1, 2009	LATERAL TOE-NAIL DETAIL	ST-TOENAIL_SP

MiTek Industries, Chesterfield, MO

MiTek Industries, Inc

NOTES
1 TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 45 DEGREES WITH THE MEMBER AND MUST HAVE FULL WOOD SUPPORT. (NAIL MUST BE DRIVEN THROUGH AND EXIT AT THE BACK CORNER OF THE MEMBER END AS SHOWN
2 THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD
3 ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

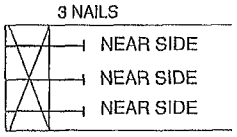
	TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)					
	DIAM.	SYP	DF	HF	SPF	SPF-S
3.5" LONG	131	88 0	80 6	69 9	68.4	59 7
	135	93 5	85.6	74.2	72.6	63 4
	162	108 8	99 6	86.4	84 5	73.8
3.25" LONG	128	74.2	67.9	58.9	57 6	50 3
	.131	75.9	69 5	60.3	59 0	51 1
	148	81 4	74.5	64.6	63.2	52.5

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

SIDE VIEW

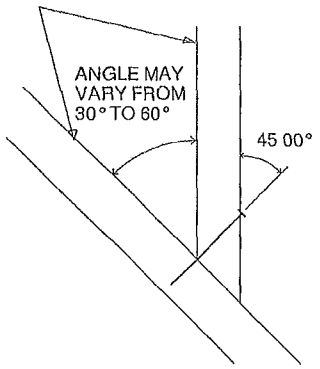
3 NAILS

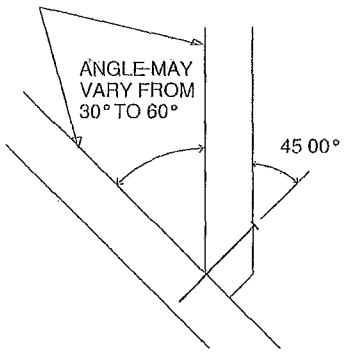


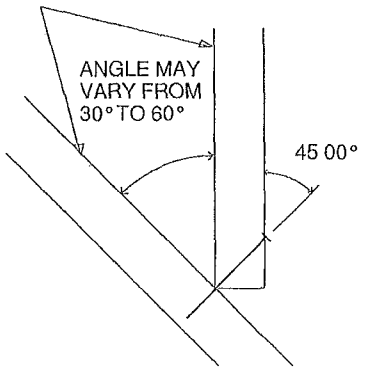
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED

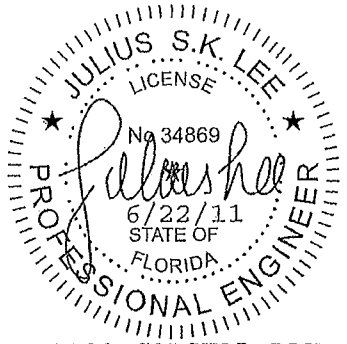
EXAMPLE
(3) - 16d NAILS (162" diam x 3 5") WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1 15
3 (nails) X 84 5 (lb/nail) X 1 15 (DOL) = 291 5 lb Maximum Capacity









1109 COASTAL BAY
BOYNTON BC, FL 33435

FEBRUARY 14, 2012	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	ST-PIGGY-7-10

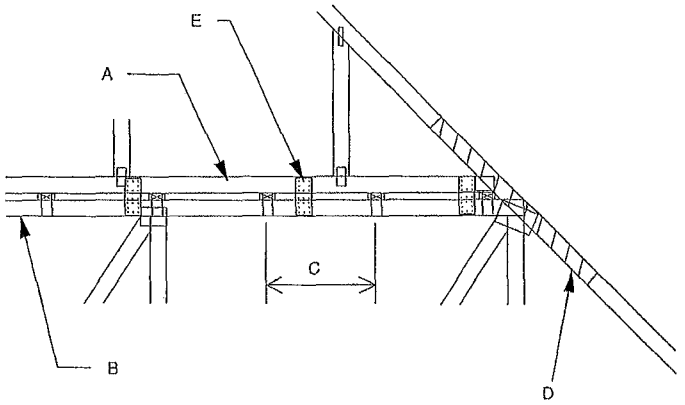
MiTek Industries, Chesterfield, MO

MiTek Industries, Inc

MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E
MAX MEAN ROOF HEIGHT = 30 FEET
MAX TRUSS SPACING = 24 " O.C
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7 10
DURATION OF LOAD INCREASE 1 60

DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES) ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED

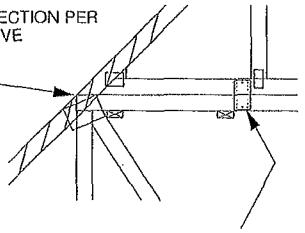
A PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131 X 3.5' TOE NAILED
B BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING
C PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24 O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) 0.131 X 3.5" NAILS EACH.
D - 2 X__ X 4' 0' SCAB, SIZE AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF 0.131 X 3' NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT IN BOTH DIRECTIONS AND
1 WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.
E FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C W/ (4) 0 131 X 1.5 PER MEMBER STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5' EDGE DISTANCE. (MIN 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)



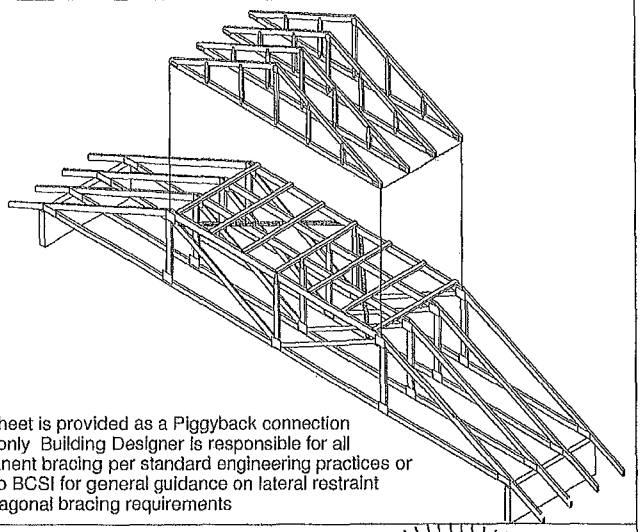
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

SCAB CONNECTION PER NOTE D ABOVE

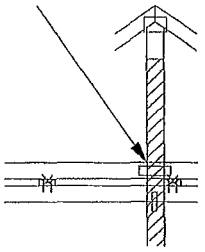


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48 O C W/ (4) 0 131 X 1 5' PER MEMBER STAGGER NAILS FROM OPPOSING FACES ENSURE 0 5 EDGE DISTANCE



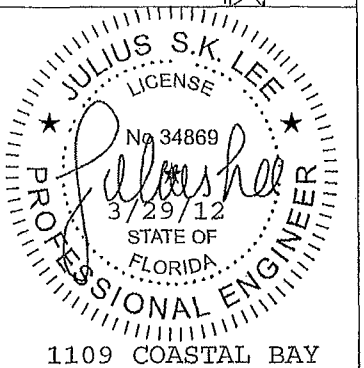
This sheet is provided as a Piggyback connection detail only Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB

1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4 0' SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131 X 3") NAILS SPACED 4 O.C FROM EACH FACE (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS) (MINIMUM 2X4)
3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1 15) REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN



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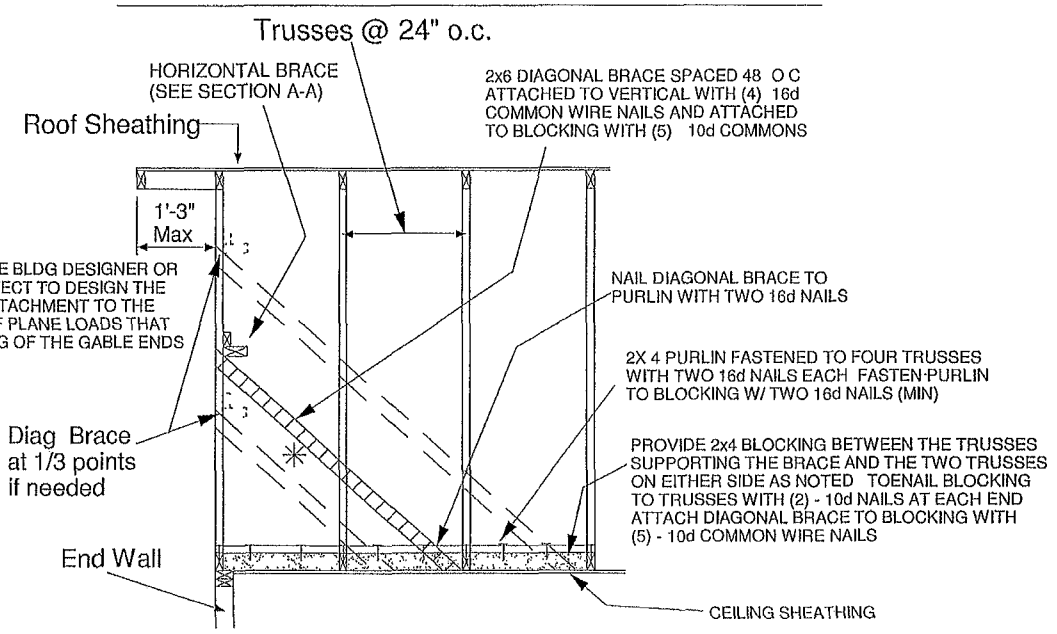
FEBRUARY 14, 2012	Standard Gable End Detail	SHEET 2

MiTek Industries, Inc

ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED

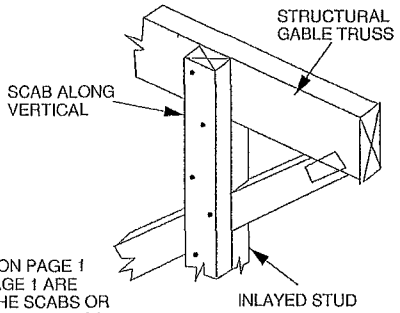
METHOD 1 ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE

METHOD 2 ATTACH 2X_ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

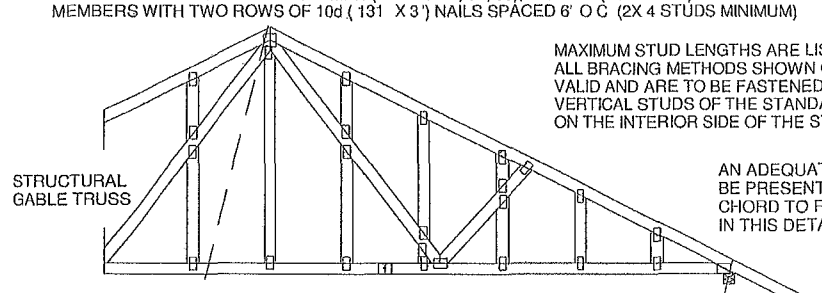
NAILING SCHEDULE

FOR WIND SPEEDS 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7 10) OR LESS, NAIL ALL MEMBERS WITH ONE ROW OF 10d (131" X 3") NAILS SPACED 6 O C

FOR WIND SPEEDS GREATER 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7 10) NAIL ALL MEMBERS WITH TWO ROWS OF 10d (131 X 3 ') NAILS SPACED 6' O C (2X 4 STUDS MINIMUM)

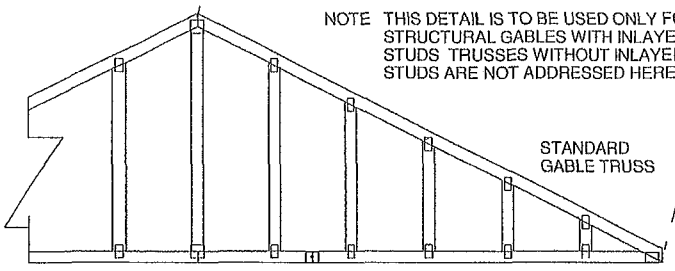


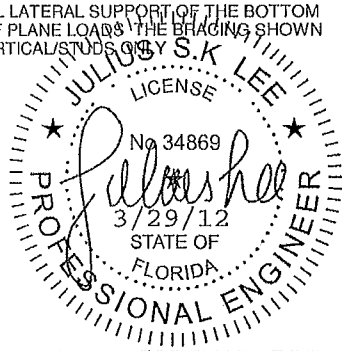
MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1 ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



AN ADEQUATE DIAPHRAGM OR OTHER METHOD OF BRACING MUST BE PRESENT TO PROVIDE FULL LATERAL SUPPORT OF THE BOTTOM CHORD TO RESIST ALL OUT OF PLANE LOADS. THE BRACING SHOWN IN THIS DETAIL IS FOR THE VERTICAL STUDS ONLY

NOTE THIS DETAIL IS TO BE USED ONLY FOR STRUCTURAL GABLES WITH INLAYED STUDS TRUSSES WITHOUT INLAYED STUDS ARE NOT ADDRESSED HERE





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