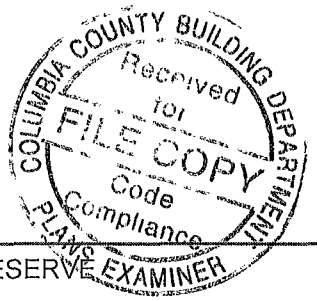
JULIUS LEE PE.



RE 505437 - SIMQUE - LOT 133 PRESERVE

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

Site Information:

Project Customer Aaron Simque Cosnt Project Name 505437 Model Carolina
Lot/Block 133 Subdivision The Preserve
Address
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 49 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.

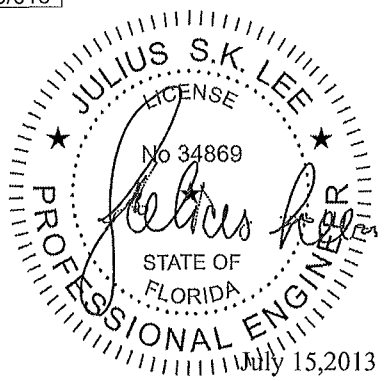
No	Seal#	Truss Name	Date	No	Seal#	Truss Name	Date
1	I6994076	CJ01	7/15/013	18	I6994093	HJ03	7/15/013
2	I6994077	CJ01A	7/15/013	19	I6994094	PB01	7/15/013
3	I6994078	CJ02	7/15/013	20	I6994095	T01	7/15/013
4	I6994079	CJ02A	7/15/013	21	I6994096	T02	7/15/013
5	I6994080	CJ03	7/15/013	22	I6994097	T03	7/15/013
6	I6994081	EJ01	7/15/013	23	I6994098	T04	7/15/013
7	I6994082	EJ02	7/15/013	24	I6994099	T05	7/15/013
8	I6994083	EJ03	7/15/013	25	I6994100	T06	7/15/013
9	I6994084	EJ04	7/15/013	26	I6994101	T07	7/15/013
10	I6994085	EJ05	7/15/013	27	I6994102	T08	7/15/013
11	I6994086	EJ06	7/15/013	28	I6994103	T09	7/15/013
12	I6994087	EJ07	7/15/013	29	I6994104	T10	7/15/013
13	I6994088	EJ08	7/15/013	30	I6994105	T11	7/15/013
14	I6994089	EJ09	7/15/013	31	I6994106	T12	7/15/013
15	I6994090	EJ10	7/15/013	32	I6994107	T13	7/15/013
16	I6994091	HJ01	7/15/013	33	I6994108	T14	7/15/013
17	I6994092	HJ02	7/15/013	34	I6994109	T15	7/15/013

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



July 15,2013

Julius Lee

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994076
505437	CJ01	Jack-Open Truss	8	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Jul 15 17 15:29 2013 Page 1

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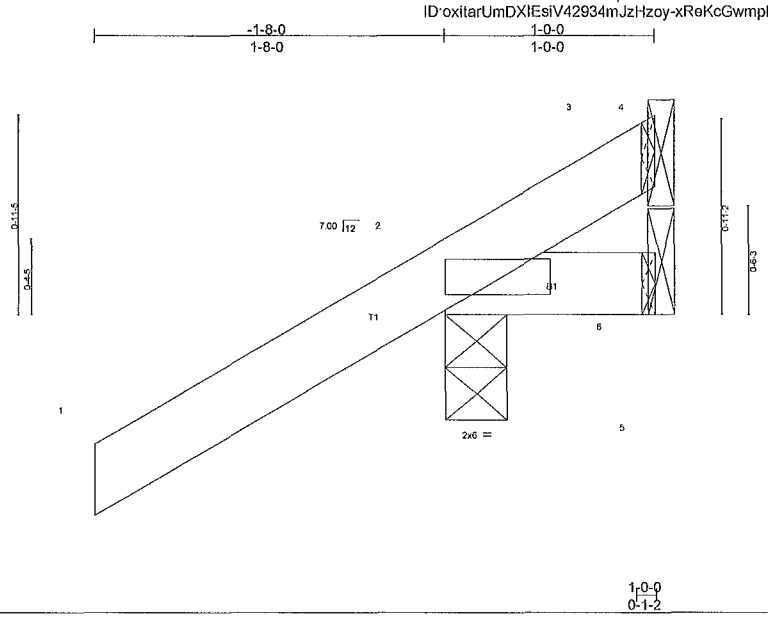


Plate Offsets (X,Y) [2 0-6-0,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 21	Vert(LL)	-0 00	9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 04	Vert(TL)	0 00	9	>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 6 lb	FT = 20%

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

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

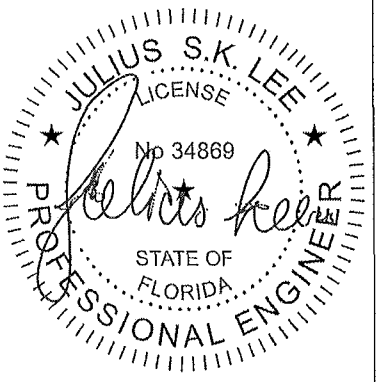
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=149/0-3-8 (min 0-1-8) 3=-5/Mechanical 6=-18/Mechanical
Max Horz 2=70(LC 12)
Max Uplift2=-108(LC 12) 3=-7(LC 2) 6=-27(LC 21)
Max Grav 2=182(LC 2) 3=9(LC 8) 6=24(LC 16)

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 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 108 lb uplift at joint 2 7 lb uplift at joint 3 and 27 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



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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994078
505437	CJ02	Jack-Open Truss	6	1	Job Reference (optional)	

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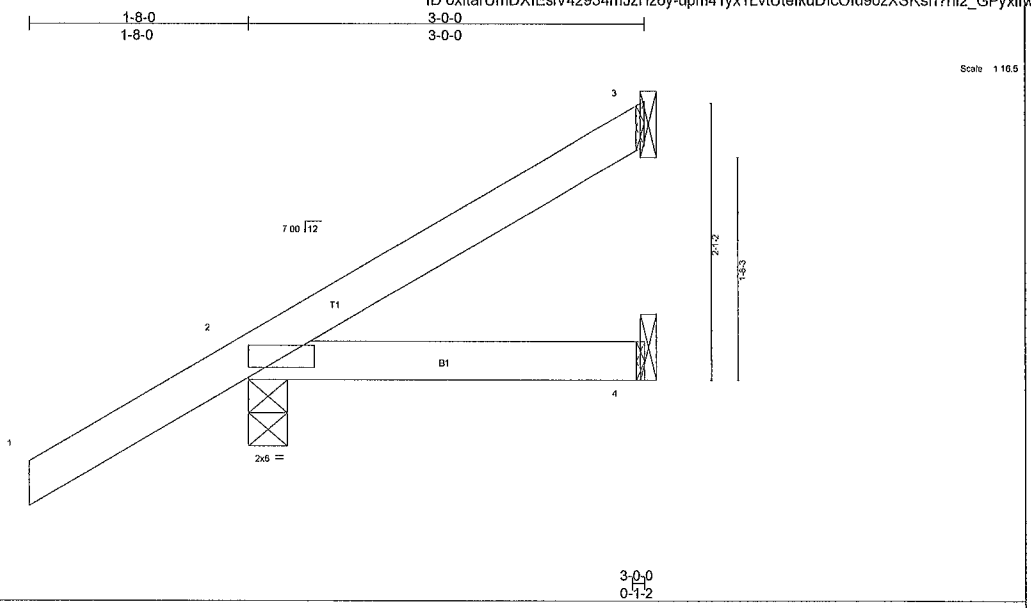


Plate Offsets (X,Y). [2,0-6-0,0-0-14]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1 25	TC 0.21	Vert(LL) 0 01 4-7 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1 25	BC 0 07	Vert(TL) 0 01 4-7 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0 00	Horz(TL) 0 00 2 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight 13 lb FT = 20%

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

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

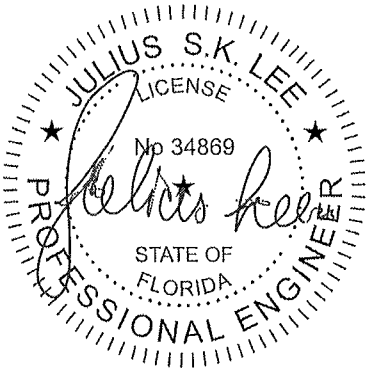
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=45/Mechanical 2=174/0-3-8 (min 0-1-8) 4=13/Mechanical
Max Horz 2=124(LC 12)
Max Uplift3=-57(LC 12) 2=-101(LC 12) 4=-22(LC 9)
Max Grav 3=61(LC 21) 2=210(LC 2) 4=34(LC 3)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown.
BOT CHORD 2-4=-231/365

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 57 lb uplift at joint 3 101 lb uplift at joint 2 and 22 lb uplift at joint 4
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB
9) Truss Design Engineer Julius Lee PE. Florida P E. License No 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



July 15,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994080
505437	CJ03	Jack-Open Truss	4	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Mon Jul 15 17:15:33 2013 Page 1

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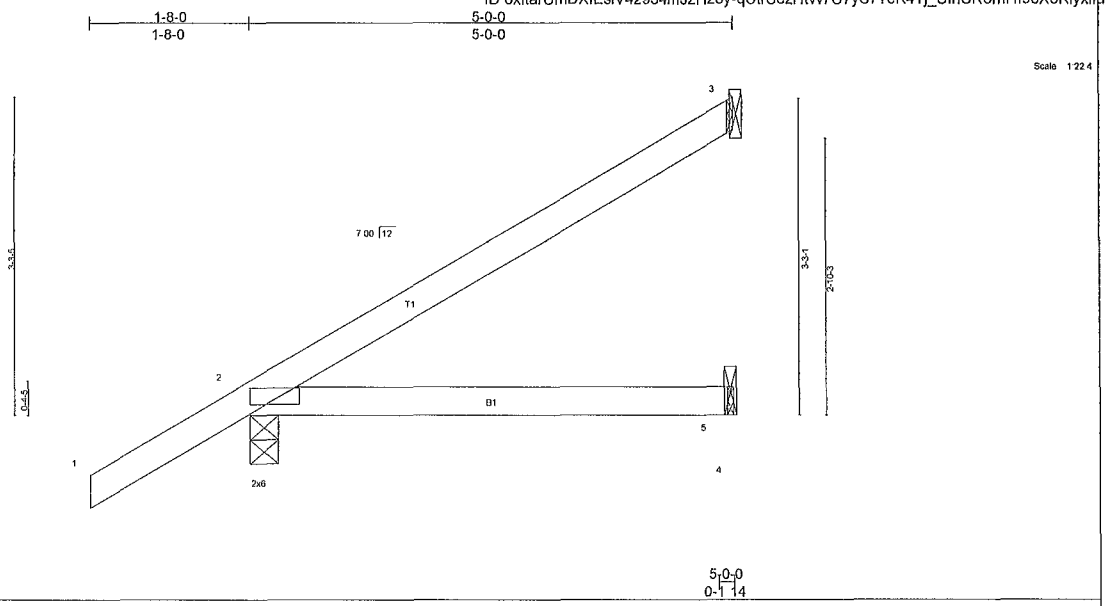


Plate Offsets (X,Y). [2 0-6-0,0-1-2]

LOADING (psf)		SPACING	2 0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0 02	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0 17	Vert(TL)	-0 03	5-8	>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: 19 lb	FT = 20%

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

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

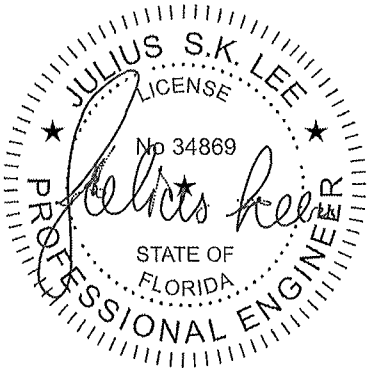
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=80/Mechanical 2=235/0-3-8 (min 0-1-8) 5=25/Mechanical
Max Horz 2=181(LC 12)
Max Uplift3=-102(LC 12) 2=-126(LC 12)
Max Grav 3=112(LC 21) 2=282(LC 2) 5=61(LC 3)

FORCES (lb) Max. Comp./Max Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-592/145
BOT CHORD 2-5=-428/1001

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 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 102 lb uplift at joint 3 and 126 lb uplift at joint 2
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note Visually graded lumber designation SPp, represents new lumber design values as per SPIB
9) Truss Design Engineer· Julius Lee PE Florida P E License No 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



July 15,2013

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994082
505437	EJ02	Jack-Partial Truss	4	1	Job Reference (optional)	

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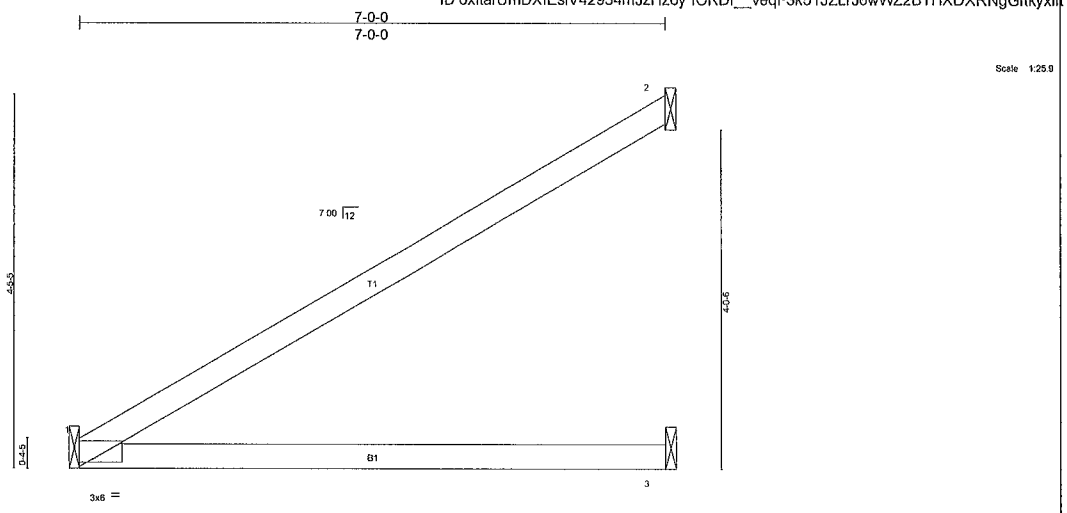


Plate Offsets (X,Y). [1:0-6-0,0-0-10]

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 60	Vert(LL)	-0 06	3-6	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 38	Vert(TL)	-0 12	3-6	>706	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 00	Horz(TL)	0 01	1	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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-0 oc purlins
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

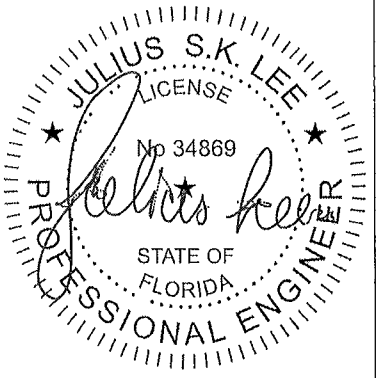
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=226/Mechanical 2=115/Mechanical 3=33/Mechanical
Max Horz 1=137(LC 12)
Max Uplift 1=-49(LC 12) 2=-95(LC 12)
Max Grav 1=268(LC 2) 2=155(LC 21) 3=80(LC 3)

FORCES (lb) Max Comp./Max Ten. All forces 250 (lb) or less except when shown
TOP CHORD 1 2=-1136/613
BOT CHORD 1-3=-1255/2019

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) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1 and 95 lb uplift at joint 2
6) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note Visually graded lumber designation SPp, represents new lumber design values as per SPIB
9) Truss Design Engineer Julius Lee PE Florida P E License No 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



July 15,2013

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994084
505437	EJ04	Jack-Partial Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Jul 15 17 15:36 2013 Page 1

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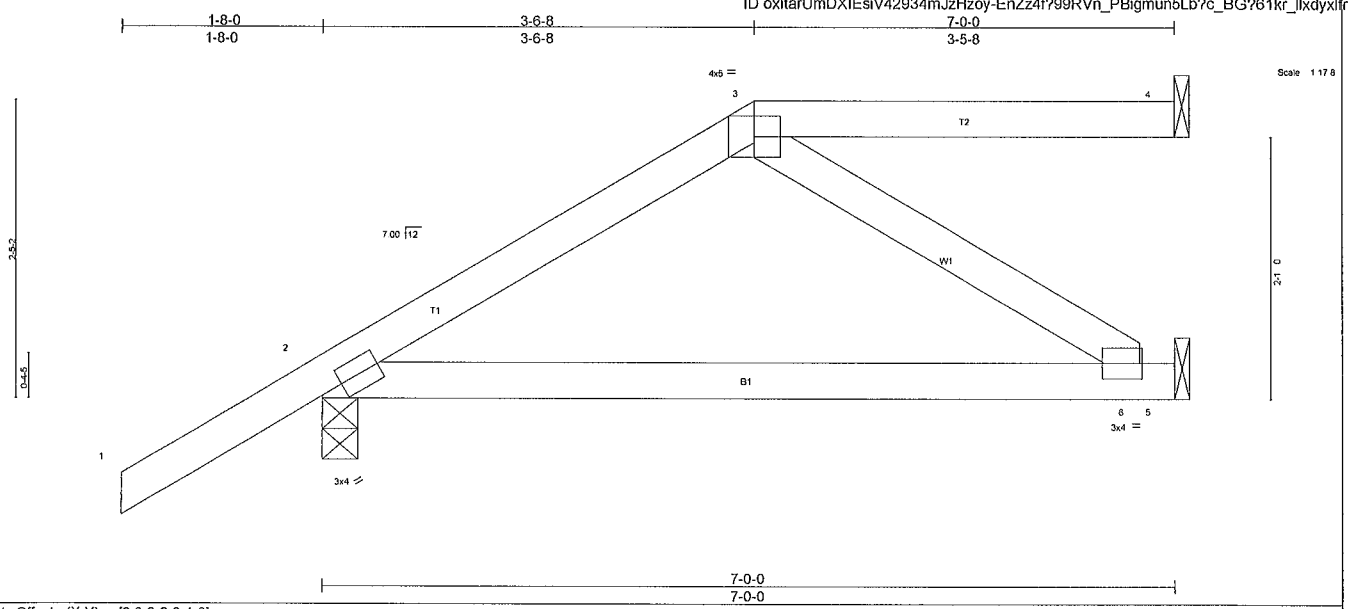


Plate Offsets (X,Y). [2:0-2-3,0-1-8]

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 21	Vert(LL) 0 06 6-9 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0 29	Vert(TL) -0 10 6-9 >796 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0 06	Horz(TL) 0 01 4 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight. 30 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

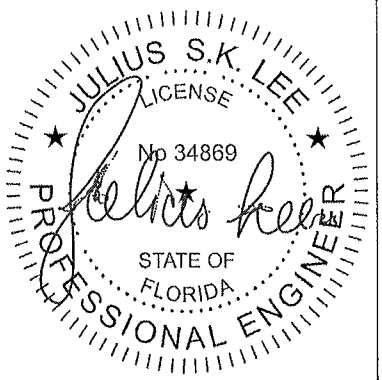
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=75/Mechanical 2=279/0-3-8 (min 0-1-8) 5=94/Mechanical
Max Horz 2=97(LC 12)
Max Uplift4=-43(LC 8) 2=-82(LC 12) 5=-21(LC 9)
Max Grav 4=92(LC 2) 2=333(LC 2) 5=110(LC 2)

FORCES (lb) Max. Comp./Max. Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-544/31
BOT CHORD 2-6= 147/805

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) 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 43 lb uplift at joint 4 82 lb uplift at joint 2 and 21 lb uplift at joint 5.
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) 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



July 15,2013

⚠ *WARNING Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria, 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	SIMQUE LOT 133 PRESERVE	I6994086
505437	EJ06	Half Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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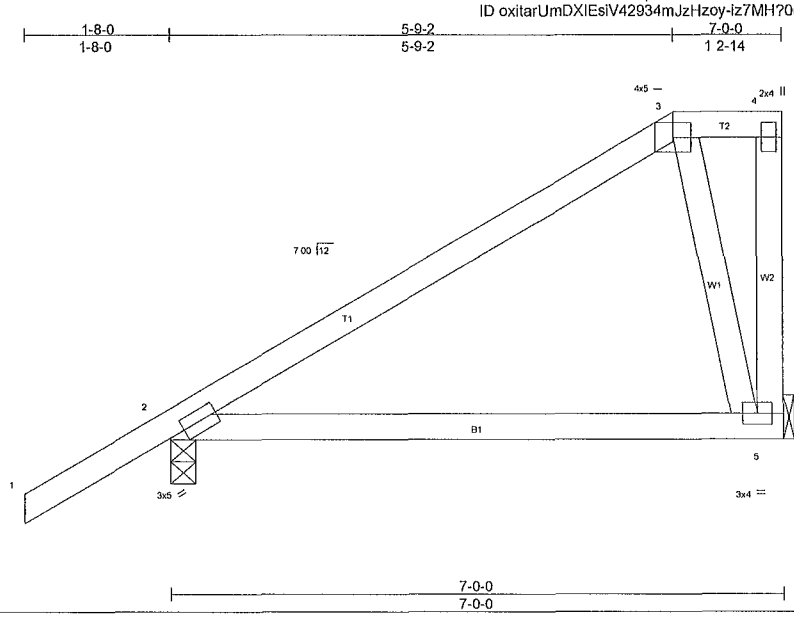


Plate Offsets (X,Y) [2 0-2-3,0-1-8]

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 39	Vert(LL)	-0 06	5-8	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0 10	5-8	>788	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0 00	2	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 35 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, except end verticals
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

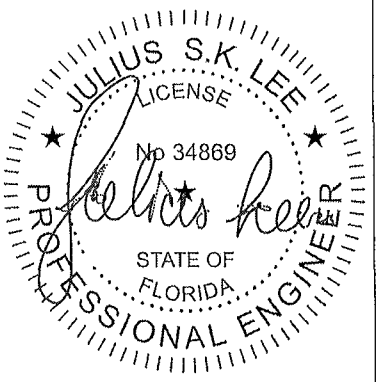
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 5=154/Mechanical 2=290/0-3-8 (min 0-1-8)
Max Horz 2=141(LC 12)
Max Uplift 5=-67(LC 12) 2=-83(LC 12)
Max Grav 5=183(LC 2) 2=346(LC 2)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-861/265
BOT CHORD 2-5=-646/1444

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) 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 67 lb uplift at joint 5 and 83 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) 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



July 15,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994088
505437	EJ08	Half Hip Truss	1	1	Job Reference (optional)	

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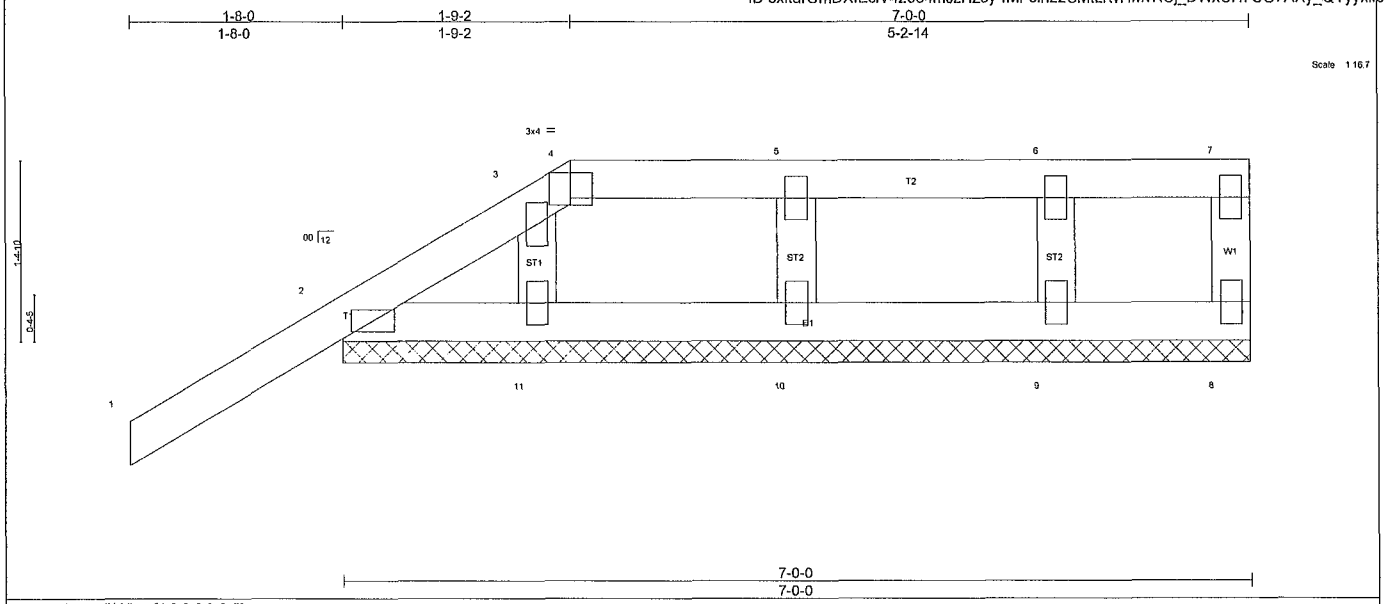


Plate Offsets (X,Y) [4.0-2-0,0-2-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0.20	Vert(LL)	0 01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	1	n/r	120		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 04	Horz(TL)	0 00		n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix)							Weight 29 lb	FT = 20%

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

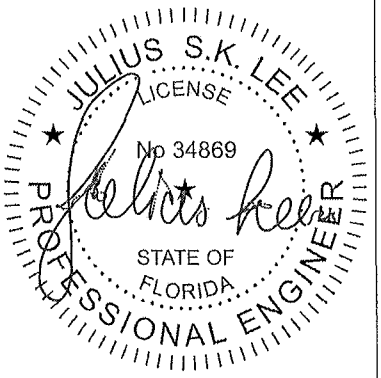
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 7-0-0
(lb) Max Horz 2=62(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 8 2 10 11 9
Max Grav All reactions 250 lb or less at joint(s) 8, 2 10 11 9

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

NOTES (12-14)
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) 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
3) Provide adequate drainage to prevent water ponding
4) All plates are 2x4 MT20 unless otherwise indicated
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
9) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 2 10 11 9
11) 'Semi-rigid pitchbreaks Including heels Member end fixity model was used in the analysis and design of this truss.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
13) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB.
14) Truss Design Engineer Julius Lee PE. Florida P E. License No 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



July 15,2013

WARNING *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage, delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria, 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	SIMQUE LOT 133 PRESERVE
505437	EJ10	Jack-Open Truss	2	1	I6994090
					Job Reference (optional)

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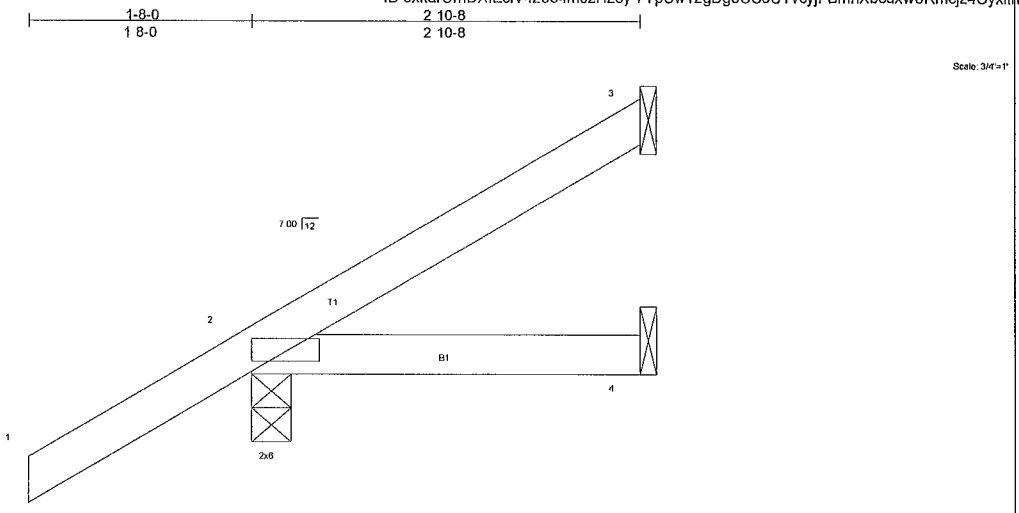

Plate Offsets (X,Y) [2:0-6-0,0-0-14]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1.25	TC 0.21	Vert(LL) 0 00 4-7 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0 07	Vert(TL) 0 01 4-7 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0 00	Horz(TL) 0 00 2 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight. 12 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-8 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=42/Mechanical 2=171/0-3-8 (min 0-1 8) 4=12/Mechanical
Max Horz 2=120(LC 12)
Max Uplift 3=-54(LC 12) 2=-99(LC 12)
Max Grav 3=60(LC 21) 2=206(LC 2) 4=32(LC 3)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
BOT CHORD 2-4=-32/373

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·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 100 lb uplift at joint(s) 3 2
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note· Visually graded lumber designation SPp, represents new lumber design values as per SPIB
9) Truss Design Engineer· Julius Lee PE. Florida P E License No 34869· Address· 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard

July 15,2013

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	
505437	HJ02	Diagonal Hip Girder	2	1	Job Reference (optional)	I6994092

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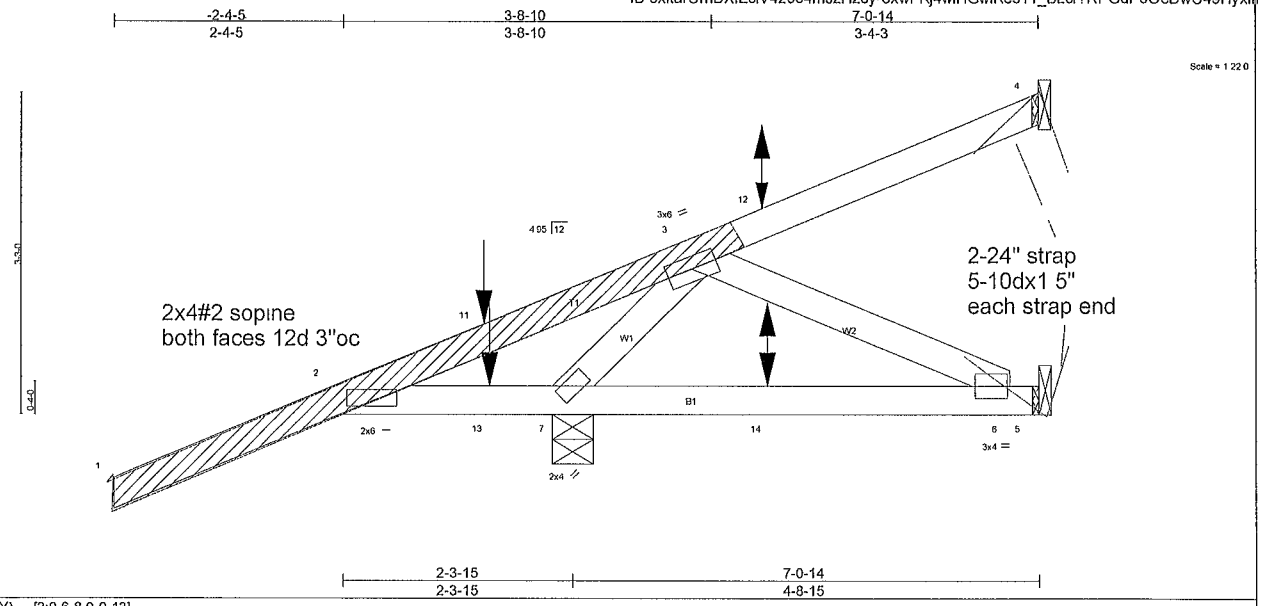


Plate Offsets (X,Y) [2 0-6-8,0-0-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0 38	Vert(LL)	-0 02	6-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0 16	Vert(TL)	-0 02	6-7	>999	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 14	Horz(TL)	-0 00	4	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 34 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 6-0-0 oc bracing

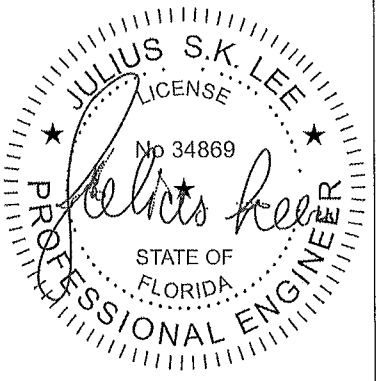
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=55/Mechanical 5=-36/Mechanical 7=494/0-4-15 (min 0-1-8)
Max Horz 7=181(LC 8)
Max Uplift4=-64(LC 8), 5=-44(LC 2) 7=-409(LC 4)
Max Grav 4=69(LC 2), 5=41(LC 6) 7=593(LC 2)

FORCES (lb) Max. Comp./Max. Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-11=-464/592 3-11=-482/651
BOT CHORD 2 13=-566/522 7 13=-566/522
WEBS 3-7=-662/460

NOTES (9-11)
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 cantilever left exposed Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 5 except (jt=lb) 7=409
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 25 lb down and 63 lb up at 1-5-12 25 lb down and 63 lb up at 1-5-12 and 26 lb down and 53 lb up at 4-3-11 and 4 lb down and 58 lb up at 4-3-11 on top chord and 19 lb down and 27 lb up at 1-5-12 19 lb down and 27 lb up at 1 5-12 and 36 lb up at 4-3-11 and 4 lb down and 32 lb up at 4-3-11 on bottom chord The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note Visually graded lumber designation SPp represents new lumber design values as per SPIB
11) Truss Design Engineer Julius Lee PE Florida P E License No. 34869 Address: 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard
1) Regular Lumber Increase=1 25 Plate Increase=1 25
Uniform Loads (plf)
Vert: 1-4=-44 5-8=-10
Concentrated Loads (lb)
Vert: 11=-41(F=-20 B=-20) 12=20(F=-1 B=21) 13=-30(F=-15 B=-15) 14=19(F=-3, B=22)



July 15,2013

WARNING *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria, 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	SIMQUE LOT 133 PRESERVE	I6994094
505437	PB01	Piggyback Truss	1	1	Job Reference (optional)	

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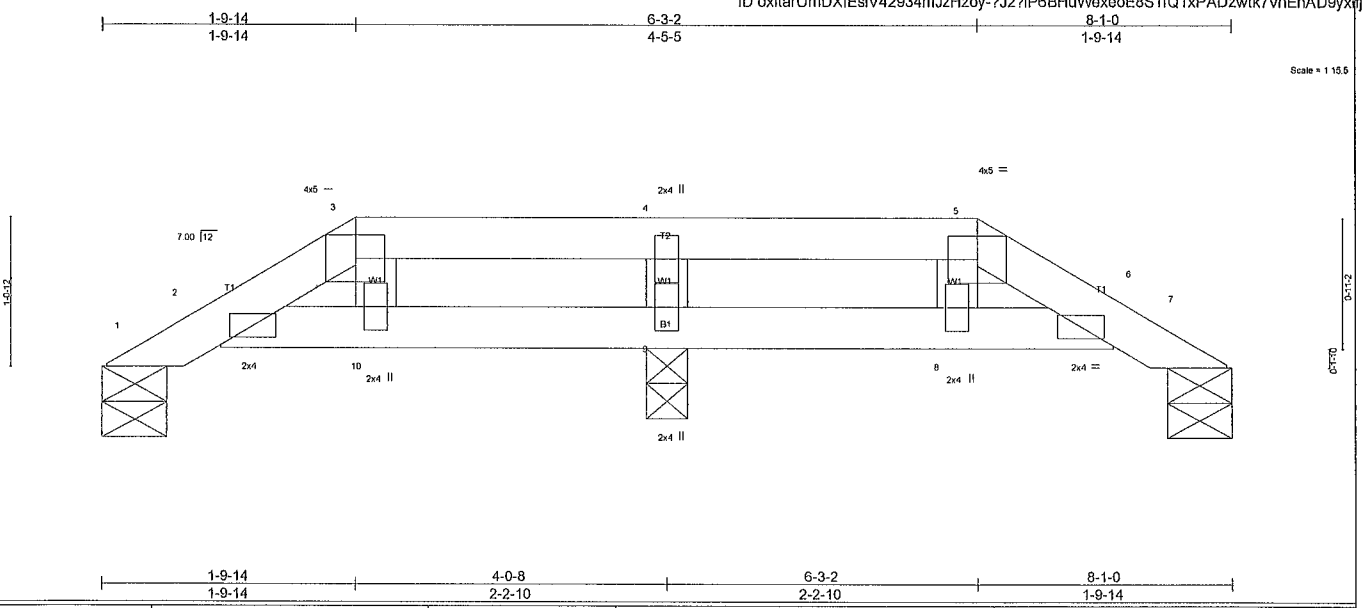

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1 25	TC 0 11	Vert(LL) -0 01 8 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1 25	BC 0 11	Vert(TL) -0 01 8 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0 06	Horz(TL) 0 01 7 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix)		Weight. 24 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) 1=97/0-5-8 (min 0-3-9) 7=97/0-5-8 (min 0-3-9) 9=216/0-3-8 (min. 0-1 8)
Max Horz 1=-23(LC 8)
Max Uplift 1=-26(LC 12) 7=-28(LC 13) 9=-66(LC 9)
Max Grav 1=115(LC 27) 7=115(LC 28) 9=257(LC 2)

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

NOTES (11 13)
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) Bearing at joint(s) 1 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula Building designer should verify capacity of bearing surface
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 7 9
9) Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable or consult qualified building designer
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

July 15,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE
505437	T01	GABLE	1	1	I6994095 Job Reference (optional)

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert. 1-5=-44 5-9=-44, 2-30=-10 30-32=-40, 8-32=-10
Concentrated Loads (lb)
Vert. 7=-11(F) 12=-22(F) 10=-22(F) 28=-0(F) 29=-22(F) 31=-22(F) 33=-22(F) 34=-0(F)

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994097
505437	T03	Common Truss	2	1	Job Reference (optional)	

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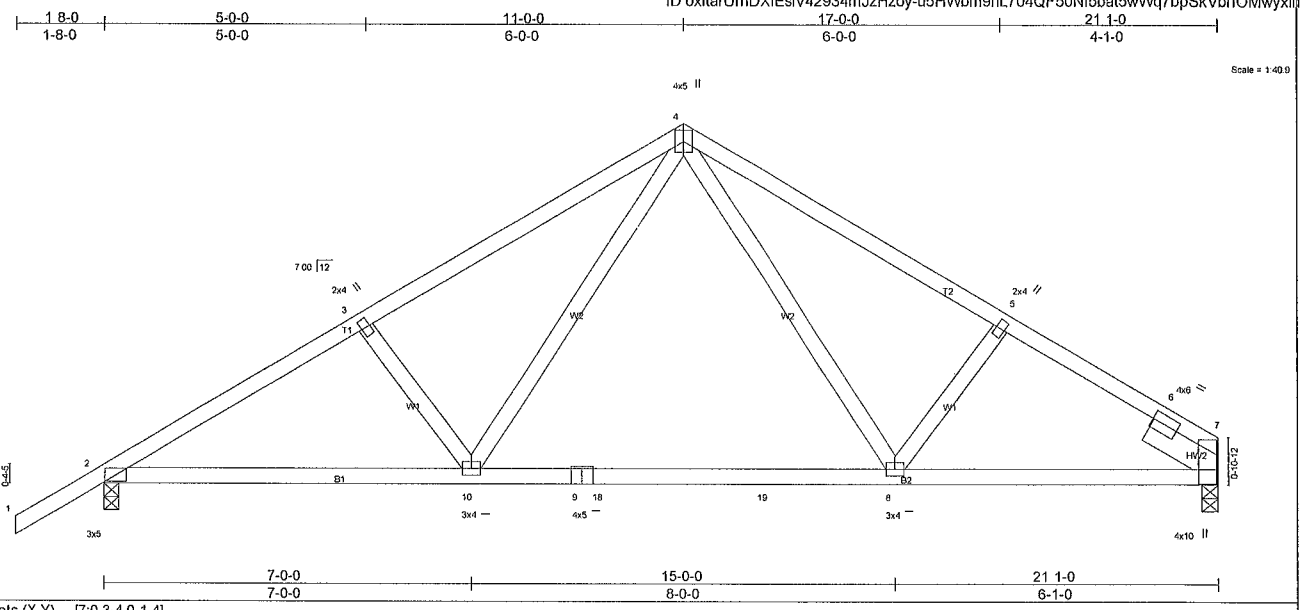


Plate Offsets (X,Y). [7:0-3-4,0-1-4]

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 79	Vert(LL)	0 32	8-10	>803	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 96	Vert(TL)	-0 59	8-10	>427	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0.40	Horz(TL)	0 07	7	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 106 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except*
T2 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins
BOT CHORD Rigid ceiling directly applied or 7 7 12 oc bracing

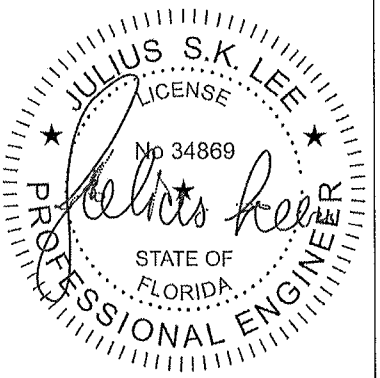
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=827/0-3-8 (min 0-1-8) 2=883/0-3-8 (min 0-1-9)
Max Horz 2=176(LC 9)
Max Uplift7=-234(LC 13) 2=-264(LC 12)
Max Grav 7=922(LC 2), 2=998(LC 2)

FORCES (lb) Max Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-2156/797 3-4=-2021/799 4-5=-1839/740 5-6=-1937/732
BOT CHORD 2-10=-638/1793, 9-10=-299/1059 9-18=-299/1059 18-19=-299/1059 8-19=-299/1059
7-8=-549/1543
WEBS 3-10=-384/258 4-10=-359/968 4-8=-270/712

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) 7=234 2=264
7) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note: Visually graded lumber designation SPp represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee PE Florida P E License No 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1 4=-44 4-7=-44 10-15=-10 10-18=-61(F=-51) 18-19=-91(F=-51) 8-19=-61(F=-51), 8-11=-10



July 15,2013

WARNING *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria, 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	SIMQUE LOT 133 PRESERVE
					I6994098
505437	T04	Hip Truss	1	1	Job Reference (optional)

ID oxitarUmDXIEsiV42934mJzHzoy MHruo69J5R8x2PgCx?dq74e6vEU6YtBeqVPxuNyxIfe

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 3-8=-44 8-10=-44 2-9=-10
Concentrated Loads (lb)
Vert: 3= 70(B) 6=-71(B) 16=-220(B) 5=-70(B) 7=-71(B) 21= 70(B) 22=-70(B) 23=-70(B) 24= 70(B) 25=-71(B) 26=-71(B) 27=-70(B) 28=13(B) 29=-31(B) 30=-22(B) 31= 22(B) 32=-22(B) 33=-22(B) 34=-22(B) 35=-23(B) 36=-23(B) 37=-23(B) 38=-23(B) 39=-22(B) 40=-115(B) 41=-84(B) 42=-165(B)

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE
505437	T06	Hip Truss	1	1	I6994100
					Job Reference (optional)

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ID oxltarUmDXIEsiV42934mJzHzoy-E25PeUCq9feMW0_zArhmHwprWry7UksEl7N928yxIfe

1 8-0	5-11 2	11-0-0	17-4-0	23-8-0	28-8-14	34-8-0	36-4-0
1-8-0	5-11-2	5-0-14	6-4-0	6-4-0	5-0-14	5-11 2	1-8-0

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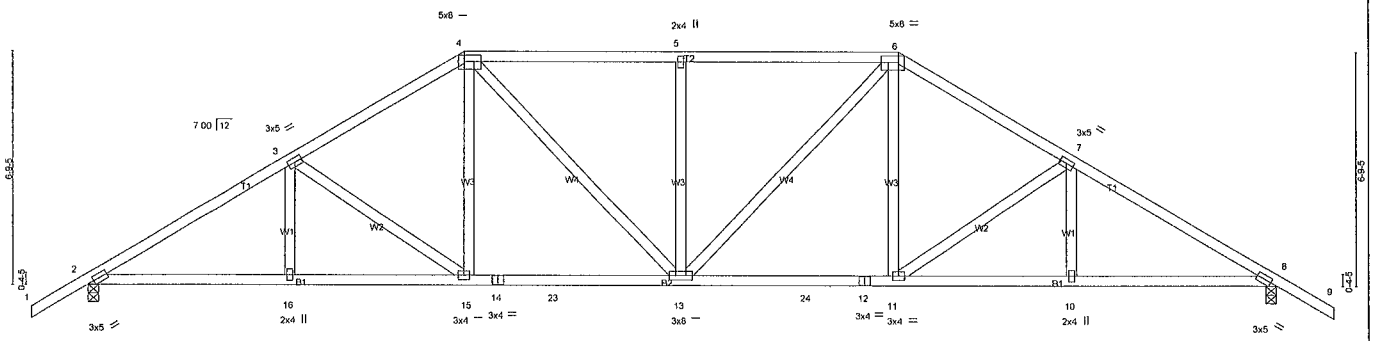


5-11 2	11-0-0	17-4-0	23-8-0	28-8-14	34-8-0
5-11-2	5-0-14	6-4-0	6-4-0	5-0-14	5-11-2

Plate Offsets (X,Y) [2,0-2-3,0-1-8], [4 0-6-0,0-2-4], [6,0-6-0,0-2-4], [8,0-2-3,0-1-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1.25	TC 0.45	Vert(LL) 0 13 13 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.42	Vert(TL) -0.22 13-15 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0 34	Horz(TL) 0 09 8 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight 195 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-6 oc purlins
BOT CHORD Rigid ceiling directly applied or 7-2 7 oc bracing

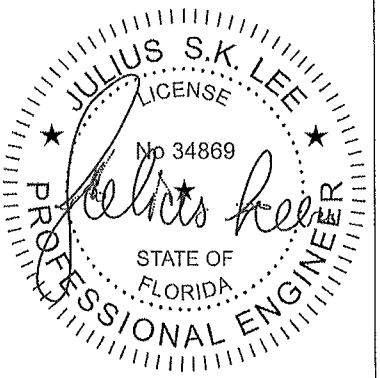
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1085/0-3-8 (min 0-1 12) 8=1085/0-3-8 (min 0-1 12)
Max Horz 2=185(LC 11)
Max Uplift2=-261(LC 12) 8=-261(LC 13)
Max Grav 2=1199(LC 2) 8=1199(LC 2)

FORCES (lb) Max. Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-2279/937 3-4=-1941/870 4-5=-1901/930 5-6=-1901/930 6-7=-1941/870 7-8=-2279/937
BOT CHORD 2 16=-671/1878 15-16=-671/1878 14-15=-472/1505 14-23=-472/1505 13-23=-472/1505, 13-24=-473/1506, 12-24=-473/1506, 11 12=-473/1506 10-11=-675/1884 8-10=-675/1884
WEBS 3-15=-466/247 4-15=-108/391 4-13=-184/412 5-13=-393/295 6-13=-184/412 6-11=-108/390 7 11=-466/247

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) 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 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=261 8=261
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



July 15,2013

WARNING *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage, delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria, 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	SIMQUE LOT 133 PRESERVE	I6994102
505437	T08	Hip Truss	1	1	Job Reference (optional)	

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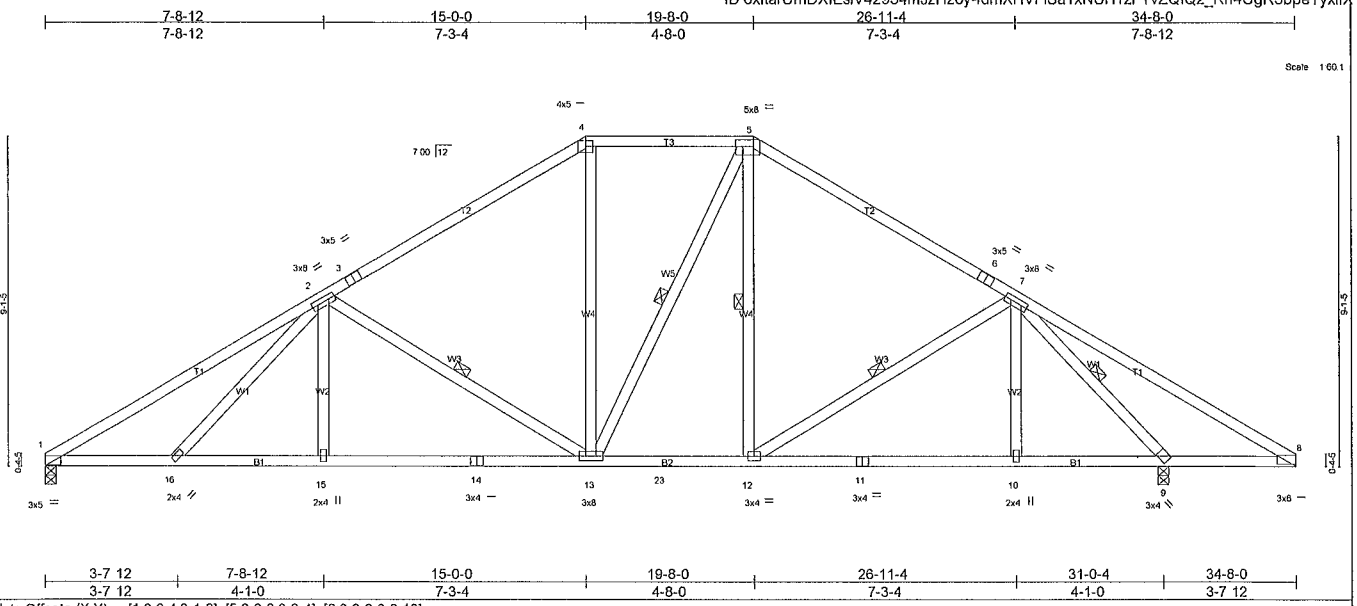


Plate Offsets (X,Y)— [1 0-2-4,0-1-8], [5 0-6-0,0-2-4], [8 0-6-0,0-0-10]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1 25	TC 0 73	Vert(LL) -0 10 13-15 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1 25	BC 0.45	Vert(TL) -0.21 13-15 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.43	Horz(TL) 0 06 9 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight 205 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-5-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing
WEBS 1 Row at midpt 2 13 5-13 5-12 7 12 7-9

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

REACTIONS (lb/size) 1=863/0-3-8 (min 0-1-8) 9=1081/0-3-8 (min 0-1 14)
Max Horz 1=-219(LC 10)
Max Uplift 1=-236(LC 12) 9=-284(LC 13)
Max Grav 1=987(LC 2) 9=1231(LC 2)

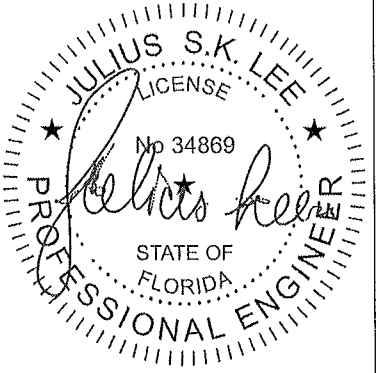
FORCES (lb) Max. Comp./Max Ten All forces 250 (lb) or less except when shown

TOP CHORD 1 2=-1987/741 2-3=-1424/590 3-4=-1334/619 4-5=-1209/609 5-6=-1255/579 6-7=-1346/551 7-8=-409/488
BOT CHORD 1 16=-968/1966 15-16=-524/1568 14-15=-524/1568, 13-14=-524/1568, 13-23=-170/886 12-23=-170/886 11 12= 222/915 10-11=-222/915 9-10=-222/915 8-9=-681/908
WEBS 2-13=-722/376, 4-13=-91/316, 7-9=-1951/895

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 cantilever 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, with BCDL = 5.0psf
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=236, 9=284
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



July 15,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994104
S05437	T10	Common Truss	2	1	Job Reference (optional)	

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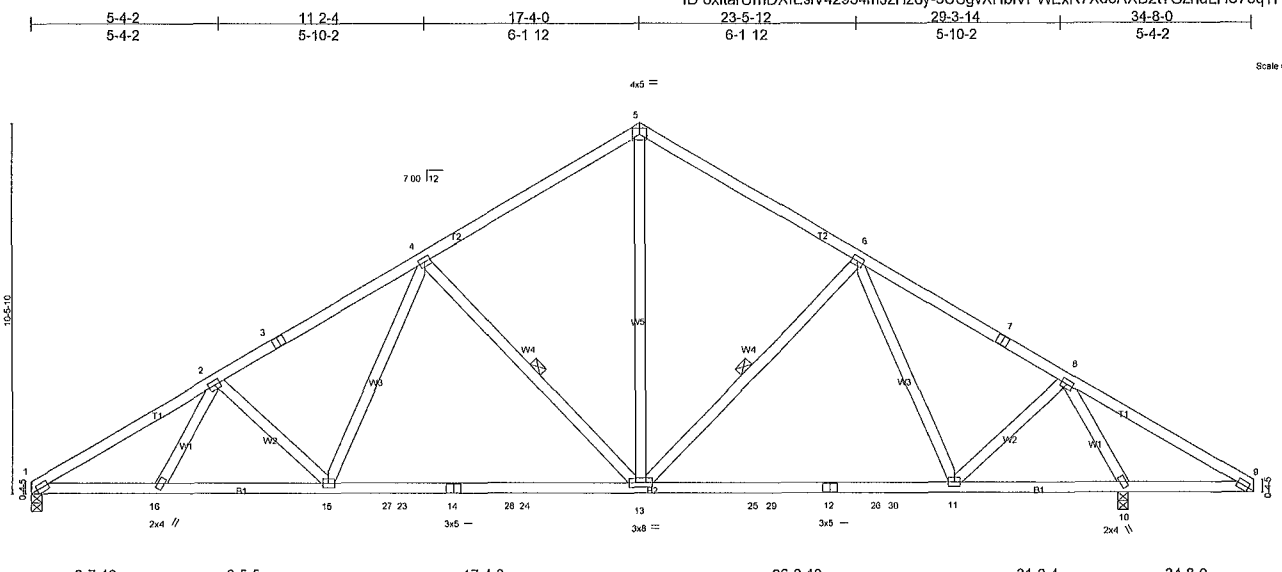


Plate Offsets (X,Y) [1:0-2-3,0-1-8], [9:0-2-3,0-1-8]

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 45	Vert(LL)	-0 16	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.30	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 73	Horz(TL)	0 06	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 195 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing
WEBS 1 Row at midpt 6-13, 4-13

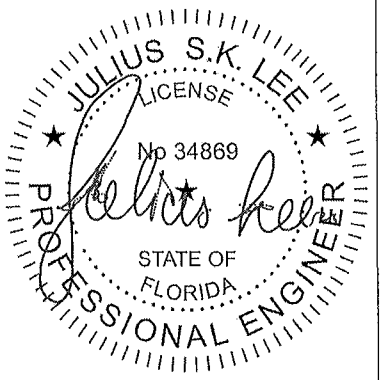
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=924/0-3-8 (min 0-1 10) 10=1158/0-3-8 (min 0-2-0)
Max Horz 1=252(LC 9)
Max Uplift 1=-244(LC 12) 10=-296(LC 13)
Max Grav 1=1016(LC 21) 10=1234(LC 2)

FORCES (lb) Max. Comp./Max Ten. All forces 250 (lb) or less except when shown
TOP CHORD 1-2=-2234/766 2-3=-2071/734 3-4=-1952/751 4-5=-1413/586, 5-6=-1413/585 6-7=-1244/454 7-8= 1362/431 8-9=-312/411
BOT CHORD 1 16=-646/1839 15-16=-594/1862 15-27=-372/1430 23-27=-372/1430 14-23=-372/1430 14-28=-372/1430 24-28=-372/1430 13-24=-372/1430 13-25=-236/1107 25-29=-236/1107 12-29=-236/1107 12-26=-236/1107 26-30=-236/1107 11-30=-236/1107 10-11=-61/544 9-10=-415/591
WEBS 5-13=-369/944 6-13=-283/190 6-11=-307/185, 8-11=-164/618 4-13=-757/390 4-15=-132/448 2 15=-359/238 8-10=-1882/792

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 cantilever right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 3x4 MT20 unless otherwise indicated
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 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=244 10=296
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



July 15,2013

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994108
505437	T12	Special Truss	1	1	Job Reference (optional)	

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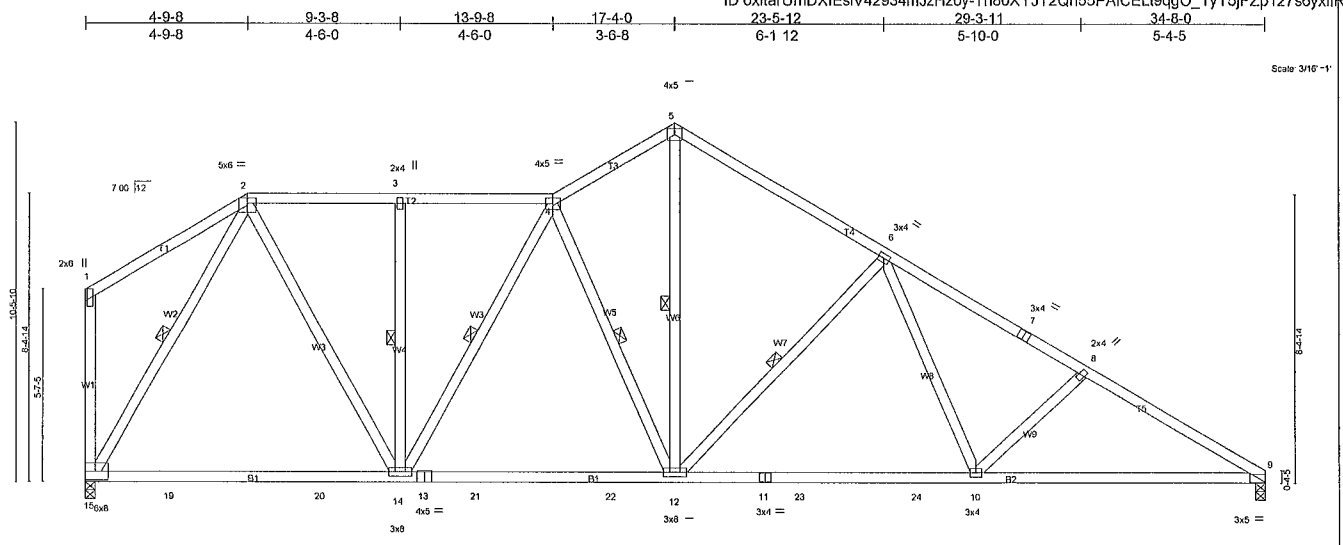


Plate Offsets (X,Y) [2:0-3-0,0-1 12], [9:0-2-8,0-1-4]

LOADING (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20 0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.29	14-15	>999	240	MT20	244/190
TCDL 7 0	Lumber Increase	1.25	BC	0 73	Vert(TL)	-0.45	14-15	>913	180		
BCLL 0 0 *	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0 07	9	n/a	n/a		
BCDL 5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 226 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 7 0-1 oc bracing
WEBS 1 Row at midpt 3-14 4-14 4-12 5-12 6-12 2-15

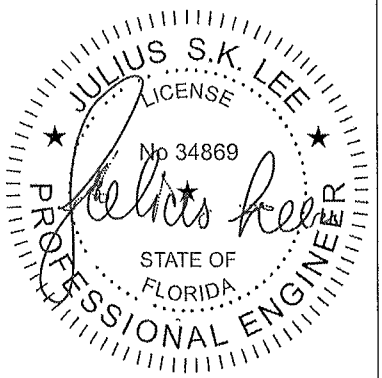
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 15=1155/0-3-8 (min 0-1 13) 9=1069/0-3-8 (min 0-1 13)
Max Horz 15= 246(LC 8)
Max Uplift 15=-277(LC 12) 9=-257(LC 13)
Max Grav 15=1155(LC 1) 9=1166(LC 22)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-1362/602 3-4=-1362/602 4-5=-1669/730 5-6=-1704/713 6-7=-2244/875 7-8=-2362/857
8-9=-2569/916
BOT CHORD 15-19=-115/624 19-20=-115/624 14-20= 115/624 13-14=-343/1402 13-21=-343/1402
21-22=-343/1402 12-22=-343/1402 11 12=-481/1684 11 23=-481/1684 23-24=-481/1684
10-24=-481/1684 9-10=-708/2124
WEBS 2-14=-397/1128 3-14=-271/203, 4-14=-556/231 4-12=-597/324 5-12=-536/1291 6-12=-763/392
6-10= 127/447 8-10=-373/247 2-15=-1426/562

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) 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 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) 15=277 9=257
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



July 15,2013

WARNING *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage, delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria 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	SIMQUE LOT 133 PRESERVE	I6994108
505437	T14	Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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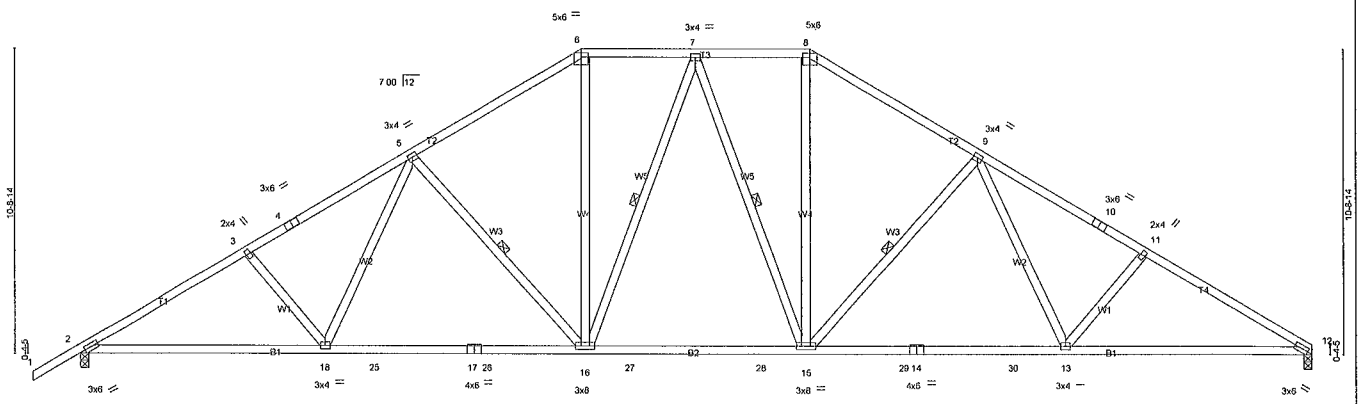
ID oxitarUmDXIEsiV42934mJzHzoy-uMpx9aMMKL9fysuHtMvamSluxgzuI4P?W?HoTRyxlfO

1-8-0	5-11-9	11 10-0	17-9-8	21 10-0	25-10-8	31 10-0	37-8-7	43-8-0
1-8-0	5-11-9	5-10-7	5-11-8	4-0-8	4-0-8	5-11-8	5-10-7	5-11-9

Scale 1 76.7



8-8-8	17-9-8	25-10-8	34-11-8	43-8-0
8-8-8	9-1-0	8-1 0	9-1-0	8-8-8

Plate Offsets (X,Y). [2,0-2-3,0-1-8], [6.0-3-0,0-1 12], [8:0-3-0,0-1 12], [12.0-2-3,0-1 8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0.55	Vert(LL)	-0 32	16-18	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0 81	Vert(TL)	-0 56	16-18	>940	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 69	Horz(TL)	0 15	12	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 265 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 2-11-2 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-0-4 oc bracing
WEBS 1 Row at midpt 5-16 7 16 7 15, 9-15

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

REACTIONS (lb/size) 2=1440/0-3-8 (min 0-2-6) 12=1366/0-3-8 (min. 0-2-4)
Max Horz 2=275(LC 9)
Max Uplift2--346(LC 12) 12=-315(LC 13)
Max Grav 2=1503(LC 21) 12=1419(LC 22)

FORCES (lb) Max. Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-3319/1214 3-4=-3139/1181 4-5=-3020/1200 5-6=-2456/1028 6-7=-2110/952
7-8=-2110/952 8-9=-2456/1028 9-10=-3021/1202 10-11=-3140/1184 11 12= 3320/1217
BOT CHORD 2-18=-952/2756 18-25=-732/2312 17 25=-732/2312 17 26 732/2312 16-26=-732/2312
16-27=-503/1848 27 28=-503/1848 15-28=-503/1848 15-29=-733/2312 14-29= 733/2312
14-30=-733/2312 13-30=-733/2312 12-13=-956/2758
WEBS 3-18=-380/252 5-18=-149/495 5-16=-776/397 6-16=-327/890 7 16=-280/195 7 15=-279/194
8-15=-327/890 9-15=-777/398, 9-13=-152/496, 11 13=-381/254

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) 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 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=346 12=315.
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

July 15,2013

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994110
505437	T16	Half Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Jul 15 17 16:09 2013 Page 1

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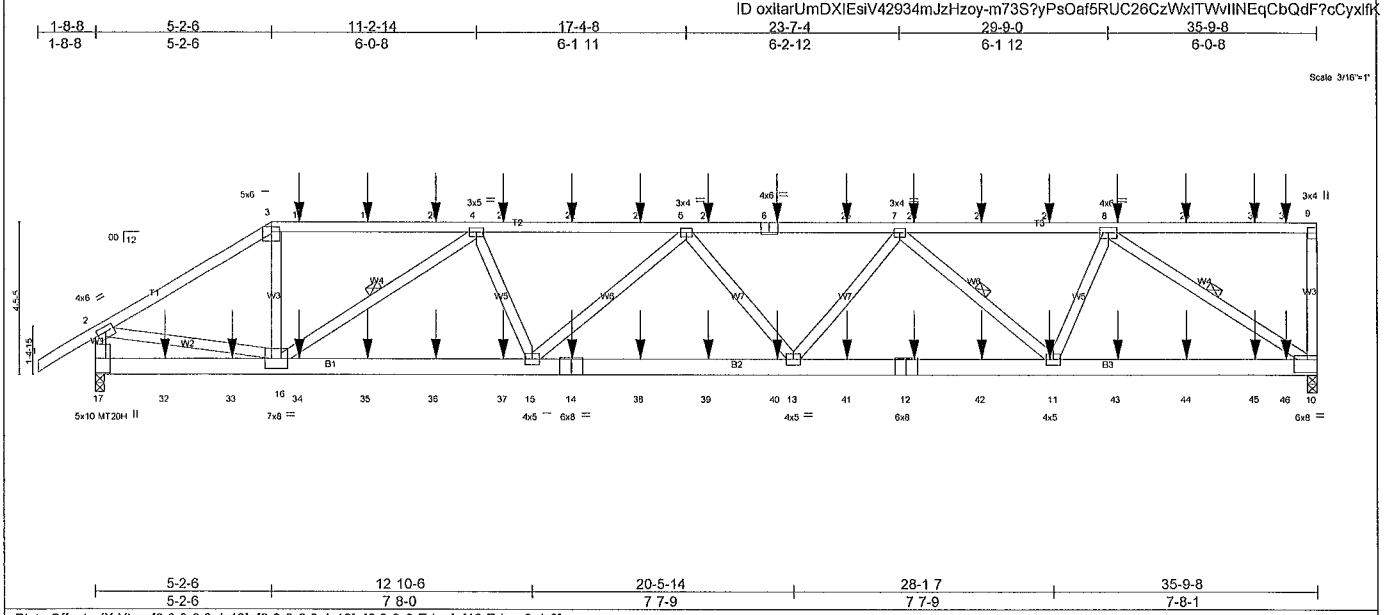


Plate Offsets (X,Y) [2 0-3-0,0-1 12], [3 0-3-0,0-1 12], [6:0-3-0,Edge], [10.Edge,0-4-8]

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 74	Vert(LL) 0 45 13-15 >946 240	MT20 244/190
TCDL 7 0	Lumber Increase 1 25	BC 0 90	Vert(TL) -0.59 13-15 >719 180	MT20H 187/143
BCLL 0 0 *	Rep Stress Incr NO	WB 0 96	Horz(TL) 0 15 10 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight. 225 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* T1 2x4 SP No 2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-13 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 4-1-5 oc bracing
WEBS 1 Row at midpt 4-16 7 11 8-10

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

REACTIONS (lb/size) 10=1842/0-3-8 (min 0-2-9) 17=1930/0-3-0 (min 0-2-11)
Max Horz 17=120(LC 8)
Max Uplift 10=-1514(LC 5) 17=-1257(LC 5)
Max Grav 10=2183(LC 2) 17=2294(LC 2)

FORCES (lb) Max. Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-2833/1743 3-18= 2449/1575 18-19=-2449/1575 19-20=-2449/1575 4-20=-2449/1575 4-21=-4274/2871 21 22=-4274/2871 22-23=-4274/2871 5-23=-4274/2871 5-24=-4505/3051 6-24=-4505/3051 6-25= 4505/3051 7-25=-4505/3051 7-26=-3105/2120 26-27=-3105/2120 27-28=-3105/2120 8-28=-3105/2120 9-10=-293/191 2-17=-2096/1209
BOT CHORD 16-34=-2708/4070, 34 35=-2708/4070 35-36=-2708/4070 36-37=-2708/4070 15-37=-2708/4070 14 15=-3145/4681 14-38=-3145/4681 38-39=-3145/4681 39-40=-3145/4681 13-40=-3145/4681 13-41=-2836/4201 12-41=-2836/4201 12-42=-2836/4201 11-42=-2836/4201 11-43=-1792/2642 43-44=-1792/2642 44-45=-1792/2642 45-46=-1792/2642 10-46=-1792/2642
WEBS 3-16=-690/1044 4-16=-2014/1421 4-15=-451/621 5-15=-565/389 5-13=-288/154 7 13=-354/523 7 11= 1475/964 8-11=-881/1244 8-10=-3161/2142 2-16= 1417/2237

NOTES (13-15)
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) end vertical left exposed Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) All plates are MT20 plates unless otherwise indicated
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 SP No.2 crushing capacity of 565 psi
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 17
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1514 17=1257
10) Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

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

July 15,2013

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

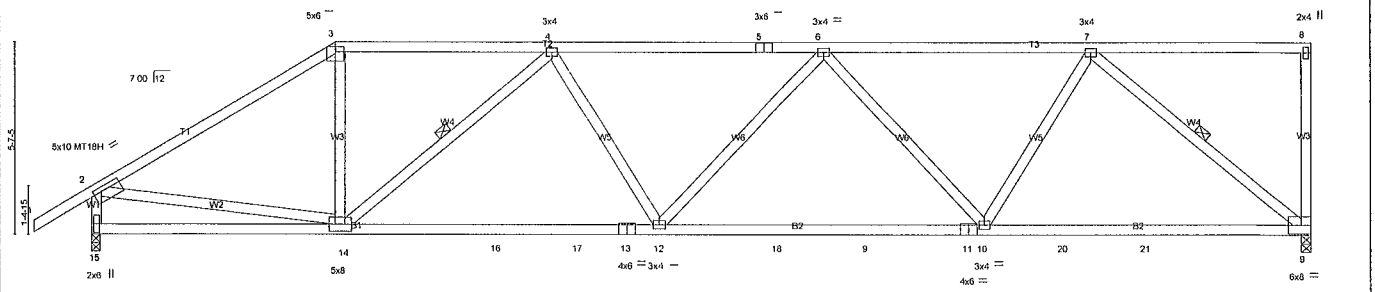
Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994111
505437	T17	Half Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries Inc. Mon Jul 15 17 16:10 2013 Page 1

ID:oxitarUmDXIEsiV42934mJzHzoy-EKdqDIQU9uny3enEgvVITW0eqhgYzL_kfG_Z8fyxIfJ

1-8-8	7-2-6	13-7-4	21 5-14	29-4-9	35-9-8
1-8-8	7-2-6	6-4-14	7 10-11	7 10-11	6-4-15

Scale 3/16"=1'



7-2-6	16-8-11	26-3-2	35-9-8
7-2-6	9-6-5	9-6-7	9-6-6

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

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 92	Vert(LL)	-0.21	9-10	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 78	Vert(TL)	-0 39	9-10	>999	180	MT18H	244/190
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 67	Horz(TL)	0 09	9	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 200 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 2-2-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-6 oc bracing
WEBS 1 Row at midpt 4-14 7-9

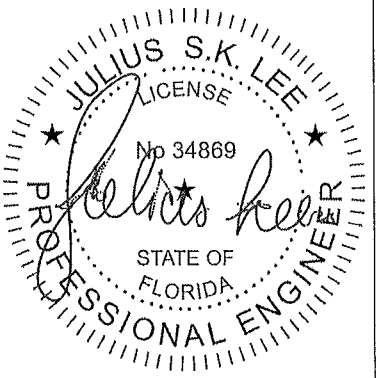
MiTek recommends that Stabilizers and required cross bracing be Installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 9=1088/0-3-8 (min 0-1-9) 15=1130/0-3-0 (min. 0-1 12)
Max Horz 15=159(LC 12)
Max Uplift 9=-348(LC 9) 15=-287(LC 9)
Max Grav 9=1133(LC 2) 15=1239(LC 2)

FORCES (lb) Max Comp./Max. Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-1773/797 3-4=-1530/769 4-5=-2222/1068 5-6=-2222/1068 6-7=-1729/812 2 15=-1442/719
BOT CHORD 14-15=-391/410 14-16=-1086/2145, 16-17=-1086/2145 13-17=-1086/2145 12 13=-1086/2145
12-18=-1090/2176, 18-19=-1090/2176, 11 19= 1090/2176 10-11=-1090/2176 10-20=-668/1324
20-21=-668/1324 9-21=-668/1324
WEBS 3-14=-160/466, 4-14=-815/423, 6-10=-669/416, 7 10=-286/800 7-9=-1711/870 2-14=-413/1125

NOTES (11 13)
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) All plates are MT20 plates unless otherwise indicated
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, with BCDL = 5 0psf
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=348 15=287
10) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
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



July 15,2013

WARNING *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design parameters and proper incorporation of component is responsibility of building designer not truss designer Bracing shown is for lateral support of individual web members only Additional temporary bracing to insure stability during construction is the responsibility of the erector Additional permanent bracing of the overall structure is the responsibility of the building designer For general guidance regarding fabrication, quality control, storage, delivery erection and bracing, consult **ANSI/TPI1 Quality Criteria, 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	SIMQUE LOT 133 PRESERVE
505437	T19	Half Hip Truss	1	1	I6994113
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries Inc. Mon Jul 15 17 16 13 2013 Page 1

ID oxitarUmDXIEsiV42934mJzHzoy fvlzrJSNSpAXw5WpL22S58eG2vj9AizALEDDI_yxlfG

1-8-8	5-7-6	11-2-6	16-4-8	23-6-0	30-7-6	35-9-8
1-8-8	5-7-6	5-7-0	5-2-2	7 1-8	7 1 7	5-2-2

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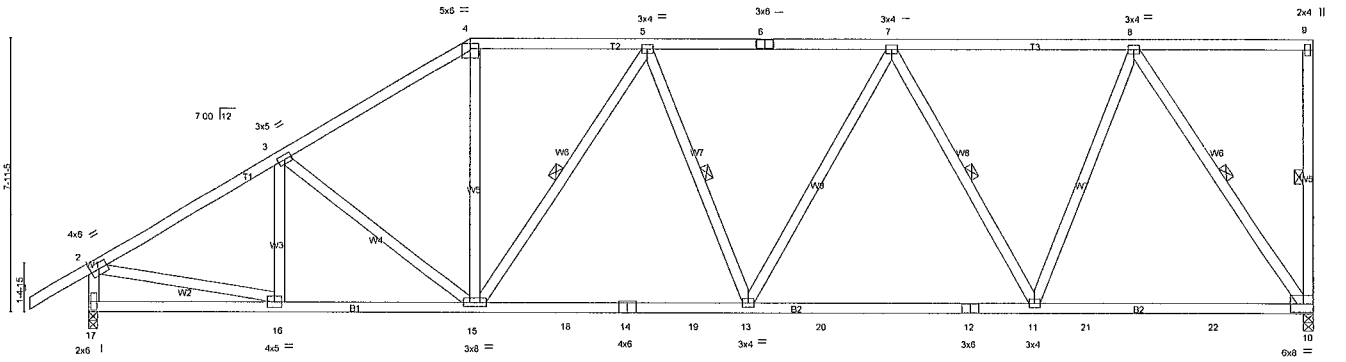

5-7-6	11 2-6	19-3-9	27-8-6	35-9-8
5-7-6	5-7-0	8-1-3	8-4-13	8-1-2

Plate Offsets (X,Y). [2:0-2-14,0-2-0], [4 0-3-0,0-1 12]

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 48	Vert(LL) -0 16 13-15 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.66	Vert(TL) -0.28 13-15 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.65	Horz(TL) 0 07 10 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight 235 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11 1 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-12 oc bracing
WEBS 1 Row at midpt 9-10 5-15 5-13 7 11 8-10

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

REACTIONS (lb/size) 10=1191/0-3-8 (min 0-1 11) 17=1163/0-3-0 (min. 0-1 13)
Max Horz 17=238(LC 12)
Max Uplift 10=-348(LC 9) 17=-248(LC 12)
Max Grav 10=1191(LC 1) 17=1239(LC 2)

FORCES (lb) Max. Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-1839/745 3-4=-1772/774 4-5=-1520/729 5-6=-1700/772 6-7=-1700/772 7-8=-1187/521 2-17=-1509/685
BOT CHORD 16-17=-391/358 15-16=-861/1682 15-18=-820/1718 14-18=-820/1718 14-19=-820/1718, 13-19=-820/1718 13-20=-731/1556, 12-20=-731/1556, 11 12=-731/1556, 11 21=-396/842, 21 22=-396/842 10-22=-396/842
WEBS 3-16=-270/145 3-15=-266/171 4 15=-202/558 5-15=-376/200 7 13=-86/299 7 11=-767/436 8-11=-351/970 8-10=-1516/719 2 16=-513/1415

NOTES (8-10)
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) and C-C Exterior(2) zone, end vertical left exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
2) 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 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) 10=348 17=248
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

July 15,2013

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994115
505437	T21	Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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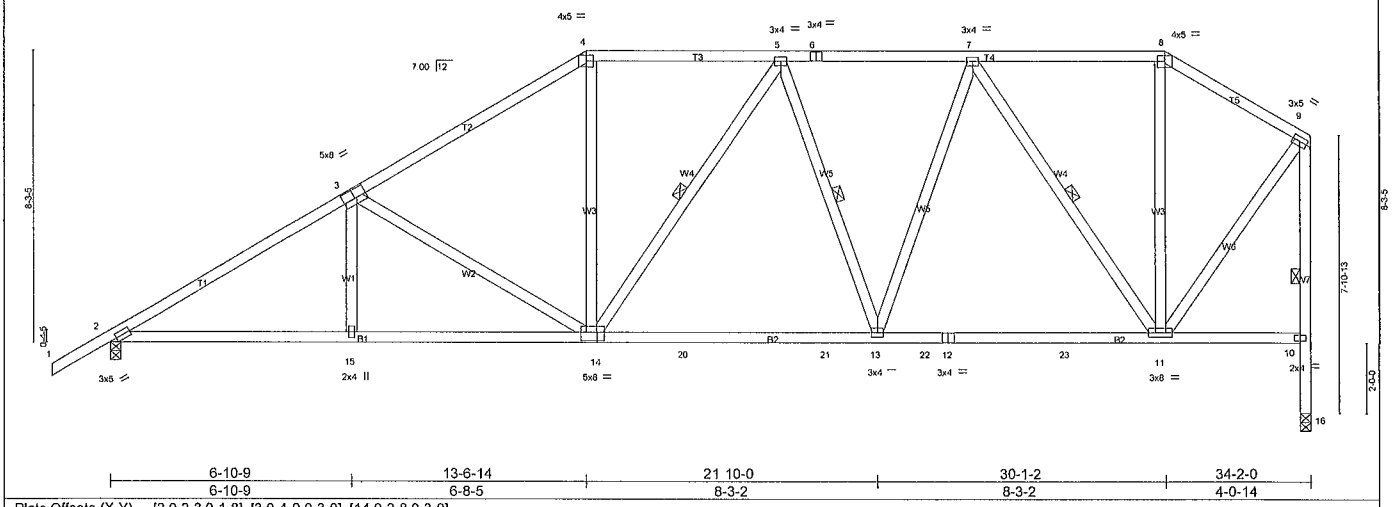


Plate Offsets (X,Y). [2,0-2-3,0-1-8], [3 0-4-0,0-3-0], [14,0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.63	Vert(LL)	-0 16	13-14	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0.63	Vert(TL)	-0 27	13-14	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 75	Horz(TL)	0 09	16	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 222 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-0 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing
WEBS 1 Row at midpt 5-14 5-13, 7 11 9-16

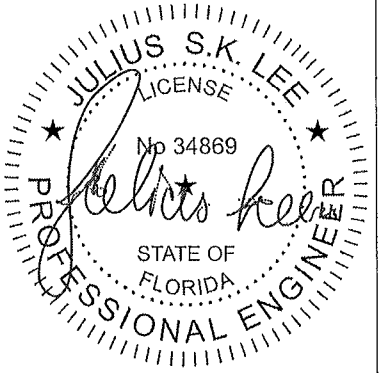
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1085/0-3-8 (min 0-1 12) 16=1067/0-3-8 (min 0-1 10)
Max Horz 2=245(LC 12)
Max Uplift2=-267(LC 12) 16=-195(LC 9)
Max Grav 2=1186(LC 2) 16=1081(LC 2)

FORCES (lb) Max. Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-2226/872 3-4=-1748/757 4-5=-1504/728 5-6= 1430/677 6-7=-1430/677 7 8=-693/363
8-9=-801/363, 10-16= 1378/594 9-10= 1379/597
BOT CHORD 2-15=-905/1967 14-15=-906/1967 14-20=-640/1457 20-21=-640/1457 13-21=-640/1457
13-22=-519/1187 12-22=-519/1187 12-23=-519/1187 11 23=-519/1187
WEBS 3-14=-633/335 4-14=-154/475 5-13= 286/212 7 13=-159/544 7 11=-1005/471 9-11=-431/1059

NOTES (10-12)
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, with BCDL = 5 0psf
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula Building designer should verify capacity of bearing surface
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=267 16=195
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) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB
12) Truss Design Engineer Julius Lee PE. Florida P E License No 34869 Address 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



July 15,2013

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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 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	SIMQUE LOT 133 PRESERVE	I6994117
505437	T23	Hip Truss	1	1	Job Reference (optional)	

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ID oxitarUmDXIEsiV42934mJzHzoy-?s5su1WVGLop0sOn8bedoCL7mwRHr_PvVWw_QByxIfB

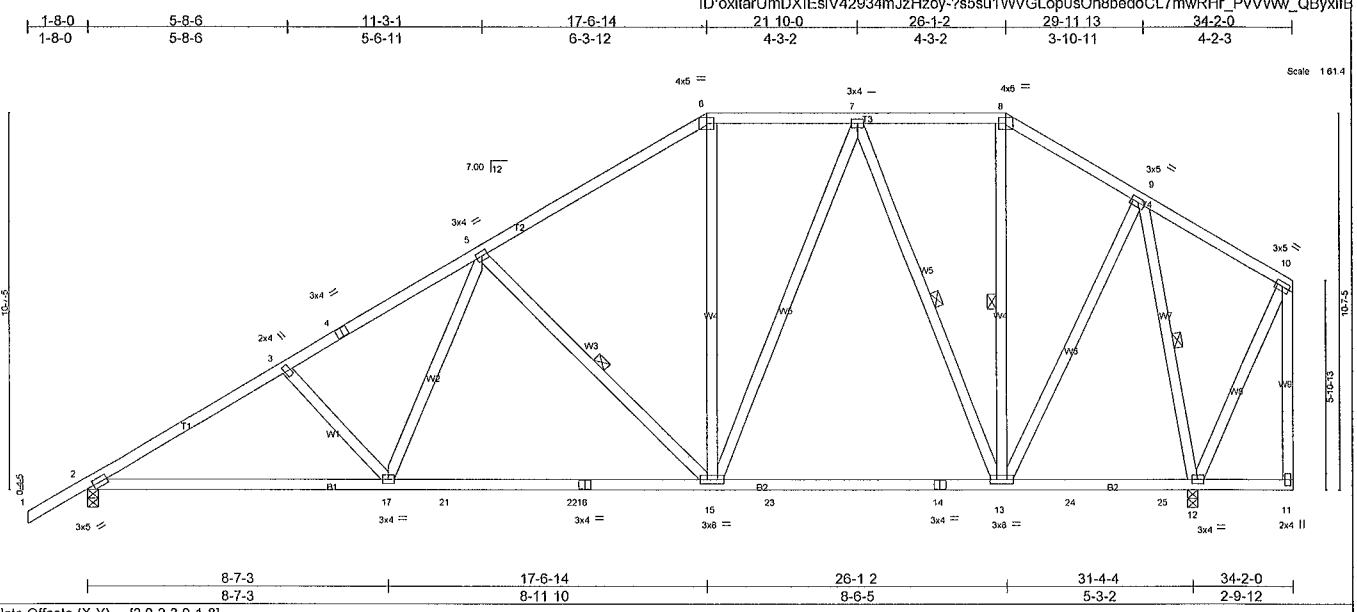


Plate Offsets (X,Y). [2.0-2-3,0-1-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1 25	TC 0.48	Vert(LL) -0 19 15-17 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1 25	BC 0.66	Vert(TL) 0.32 15-17 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.51	Horz(TL) 0 05 12 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight. 244 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-14 oc bracing
WEBS 1 Row at midpt 5-15, 7 13, 8-13 9-12

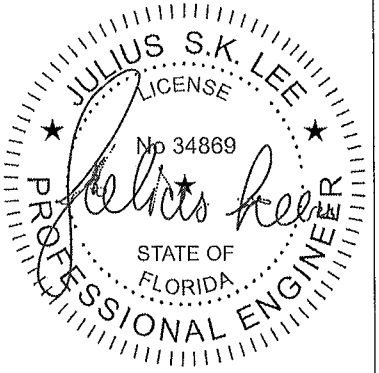
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1036/0-3-8 (min 0-1 12) 12=1206/0-3-8 (min 0-1 15)
Max Horz 2=275(LC 12)
Max Uplift2=-268(LC 12) 12=-220(LC 12)
Max Grav 2=1122(LC 21) 12=1206(LC 1)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-2224/787 3-4=-2035/745, 4-5=-1922/762 5-6=-1358/589 6-7=-1155/575 7-8=-697/394
8-9=-824/411
BOT CHORD 2 17=-847/1980 17-21=-638/1564 21-22=-638/1564 16-22=-638/1564 15-16=-638/1564
15-23=-307/840 14-23= 307/840 13-14=-307/840
WEBS 3-17=-365/238 5-17=-131/458, 5-15=-781/398 6-15=-96/319 7 15=-147/493 7 13=-744/341
9-13=-236/789 9-12=-1465/586

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) 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 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=268 12=220
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



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Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE
505437	T24	Half Hip Truss	1	1	I6994118 Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-44 3-5=-44 6-10=-10
   Concentrated Loads (lb)
      Vert: 3=-70(F) 9=-220(F) 13= 70(F) 14=-70(F) 15=-70(F) 16=-70(F) 17=-70(F) 18=-22(F) 19=-22(F) 20=-22(F) 21=-22(F) 22=-22(F)

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Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE
505437	T26	COMMON TRUSS	2	1	I6994120
					Job Reference (optional)

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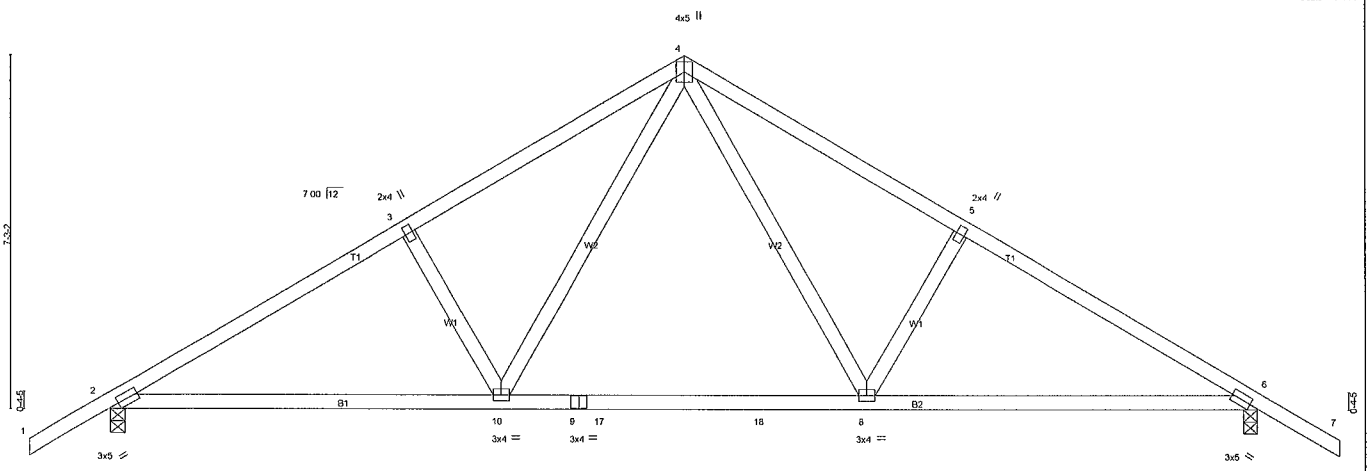
1-8-0	6-1 12	11 10-0	17-6-4	23-8-0	25-4-0
1-8-0	6-1 12	5-8-4	5-8-4	6-1 12	1-8-0

Scale 1 44 7



8-0-13	15-7-3	23-8-0
8-0-13	7-6-5	8-0-13

Plate Offsets (X,Y). [2 0-2-3,0-1-8], [6.0-2-3,0-1-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1.25	TC 0.47	Vert(LL) 0.22 8-10 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1 25	BC 0 45	Vert(TL) -0 21 8-10 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.85	Horz(TL) -0 04 6 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight 116 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins
BOT CHORD Rigid ceiling directly applied or 5-3-4 oc bracing

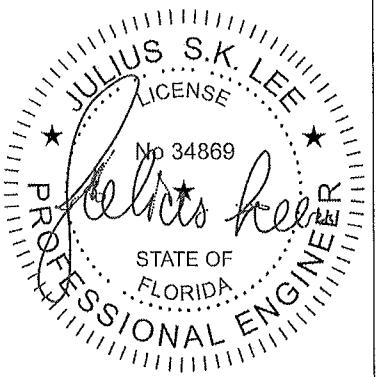
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=761/0-3-8 (min 0-1-8) 6=761/0-3-8 (min 0-1-8)
Max Horz 2=-245(LC 10)
Max Uplift2=-380(LC 12) 6=-380(LC 13)
Max Grav 2=847(LC 2) 6=847(LC 2)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-1491/1410 3-4=-1376/1440 4-5=-1376/1440 5-6=-1491/1409
BOT CHORD 2 10=-1635/1205 9-10=-612/744 9-17=-612/744 17 18=-612/744 8-18=-612/744
6-8=-1658/1240
WEBS 4-8=-708/532 5-8=-430/305 4-10=-708/532 3-10=-430/304

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) 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
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 380 lb uplift at joint 2 and 380 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) 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



July 15,2013

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE
505437	T27	Common Truss	1	1	I6994122
					Job Reference (optional)

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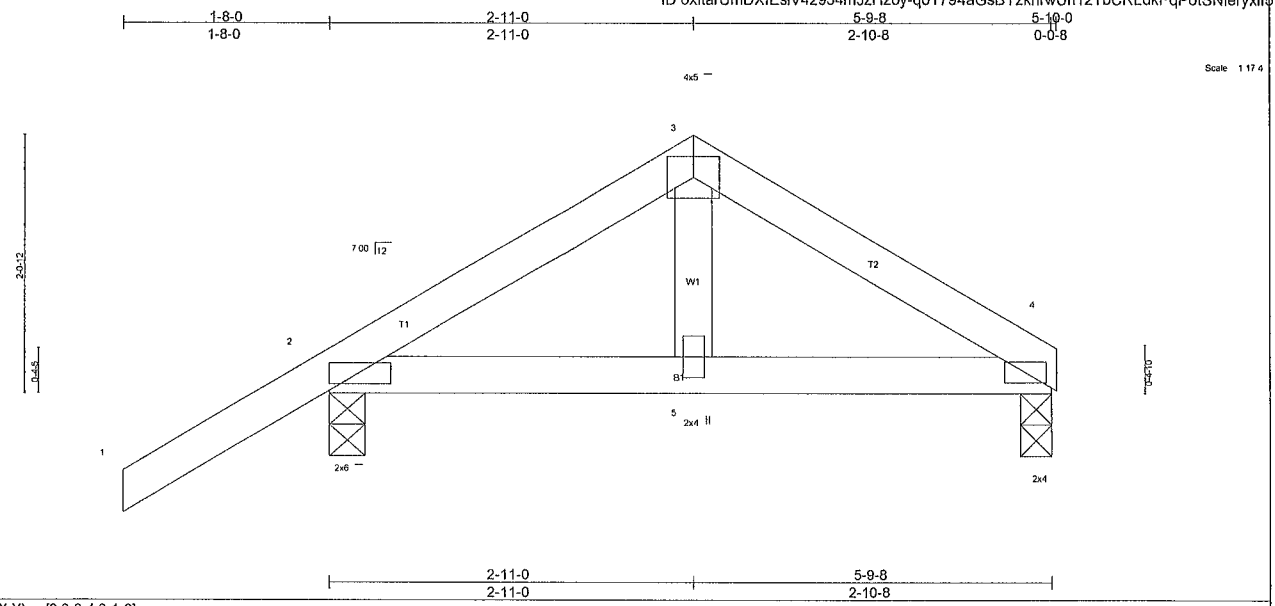

Plate Offsets (X,Y) [2.0-3-4,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.00	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 24 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 5-9-8 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=236/0-3-8 (min 0-1-8), 4=150/0-3-0 (min 0-1-8)
Max Horz 2=77(LC 12)
Max Uplift 2=-142(LC 12) 4=-78(LC 13)
Max Grav 2=283(LC 2) 4=178(LC 2)

FORCES (lb) Max Comp./Max Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-288/102 3-4=-253/100
BOT CHORD 2-5=-32/378 4-5=-181/320

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
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 at joint(s) 4
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=142.
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

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

July 15,2013

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Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE LOT 133 PRESERVE	I6994124
505437	T28	Hip Truss	1	1	Job Reference (optional)	

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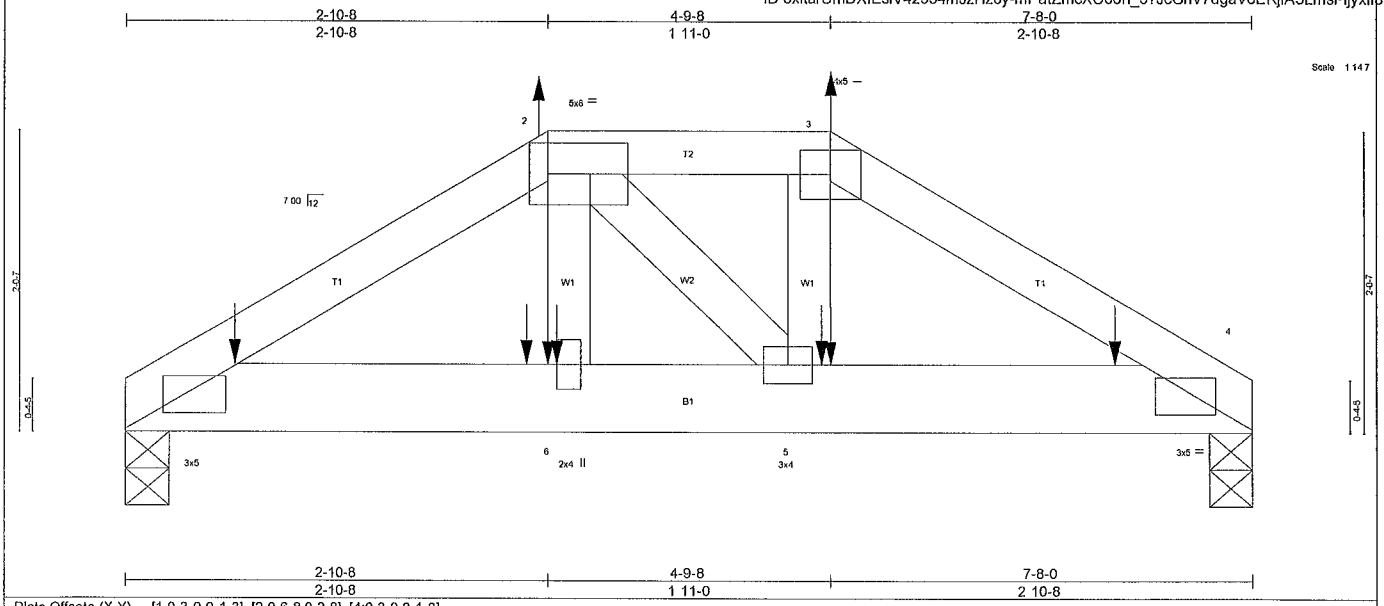

Plate Offsets (X,Y) [1 0-3-0,0-1-3], [2 0-6-8,0-2-8], [4 0-3-0,0-1-3]

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1 25	TC	0 11	Vert(LL)	-0 01	6	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0 33	Vert(TL)	-0 02	6	>999	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 14	Horz(TL)	0 01	4	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight 38 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

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

REACTIONS (lb/size) 1=641/0-3-8 (min 0-1-8) 4=641/0-3-8 (min 0-1-8)
Max Horz 1=42(LC 5)
Max Uplift 1=-206(LC 8) 4=-206(LC 9)
Max Grav 1=763(LC 2) 4=763(LC 2)

FORCES (lb) Max Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD 1 2=-983/290 2-3=-871/273 3-4=-989/289
BOT CHORD 1-6=-231/833, 5-6=-238/865 4-5=-217/838
WEBS 2-6=-75/371 3-5=-74/378

NOTES (11 13)
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) 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=206 4=206.
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) 3 lb down and 61 lb up at 2-10-8, and 3 lb down and 61 lb up at 4-9-8 on top chord and 258 lb down and 59 lb up at 0-8-12 258 lb down and 59 lb up at 2-8-12 8 lb down and 8 lb up at 2-10-8 8 lb down and 8 lb up at 4-8-12 and 258 lb down and 59 lb up at 4-8-12 and 258 lb down and 59 lb up at 6-8-12 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) 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

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LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25 Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-44 2-3=-44 3-4=-44 1-4=-10

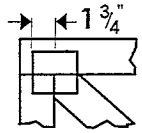
Continued on page 2

July 15,2013

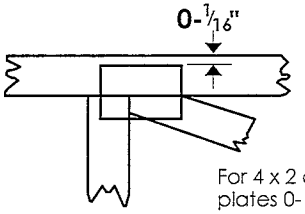
Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

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



For 4 x 2 orientation locate plates 0-1/16 from outside edge of truss

This symbol indicates the required direction of slots in connector plates

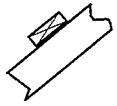
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

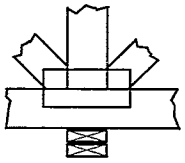
The first dimension is the plate width measured perpendicular to slots Second dimension is the length parallel to slots

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output Use T 1 or Eliminator bracing if indicated

BEARING

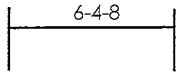


Indicates location where bearings (supports) occur Icons vary but reaction section indicates joint number where bearings occur

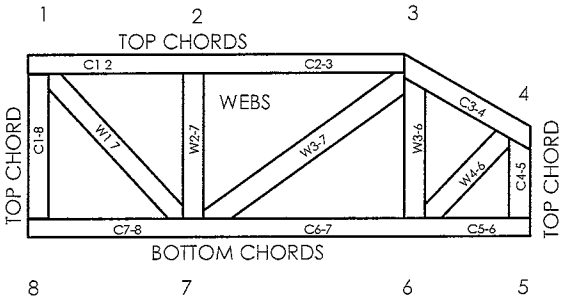
Industry Standards:

ANSI/TPI1 National Design Specification for Metal Plate Connected Wood Truss Construction
DSB-89 Design Standard for Bracing
BCSI1 Building Component Safety Information Guide to Good Practice for Handling Installing & Bracing of Metal Plate Connected Wood Trusses

Numbering System



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



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

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS

PRODUCT CODE APPROVALS

ICC ES Reports

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

Julius Lee PE
1109 Coastal Bay ,
Boynton Beach ,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 BCSI1

2 Truss bracing must be designed by an engineer For wide truss spacing individual lateral braces themselves may require bracing or alternative T 1, 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 wane at joint locations are regulated by ANSI/TPI 1

7 Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 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/TPI 1 Quality Criteria

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.

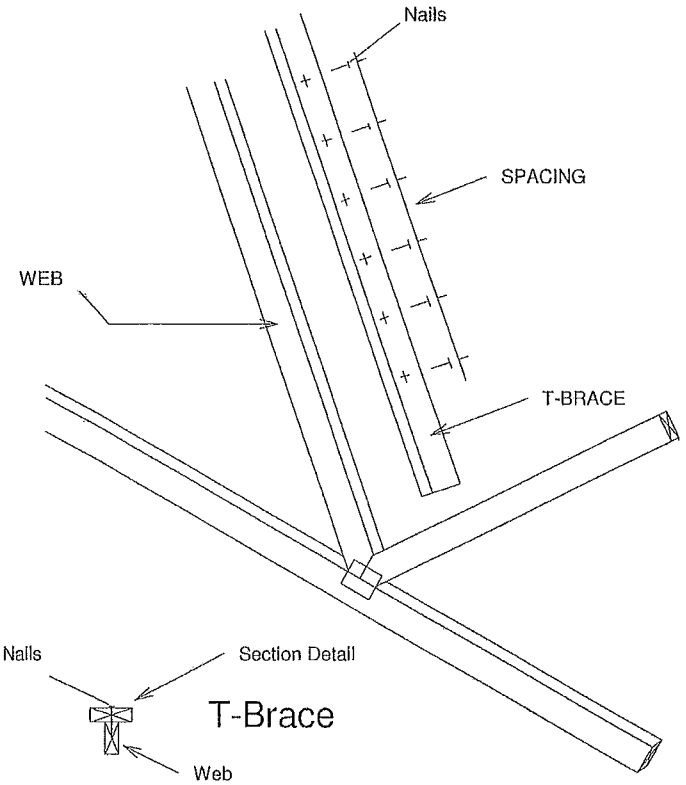
Note. This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs

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)		

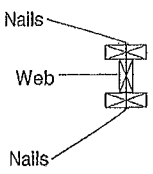
	Brace Size for One Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

	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

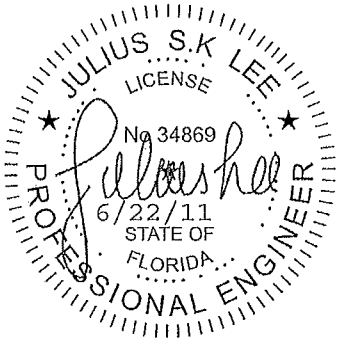
T-Brace / I-Brace must be same species and grade (or better) as web member.



T-Brace



I-Brace



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

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.

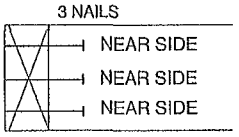
	TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)					
	DIAM	SYP	DF	HF	SPF	SPF-S
3.5" LONG	131	88 0	80 6	69 9	68 4	59 7
	135	93 5	85 6	74 2	72.6	63 4
	162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	128	74 2	67.9	58.9	57.6	50 3
	131	75.9	69 5	60.3	59 0	51 1
	148	81 4	74 5	64 6	63 2	52.5

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

SIDE VIEW

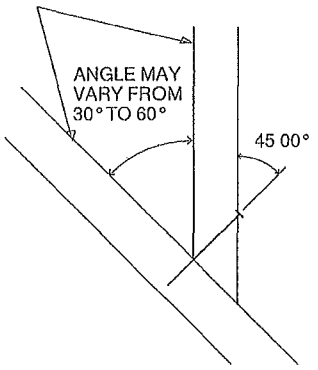
3 NAILS

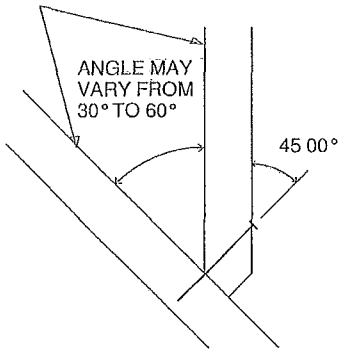


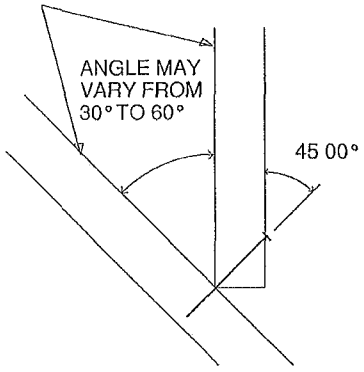
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED

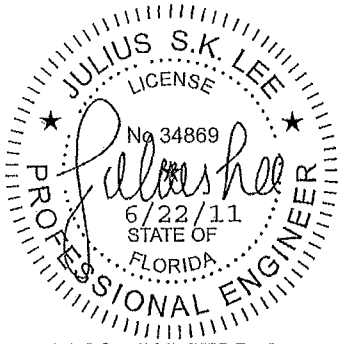
EXAMPLE
(3) 16d NAILS (162 diam x 3 5") WITH SPF SPECIES BOTTOM CHORD

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









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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

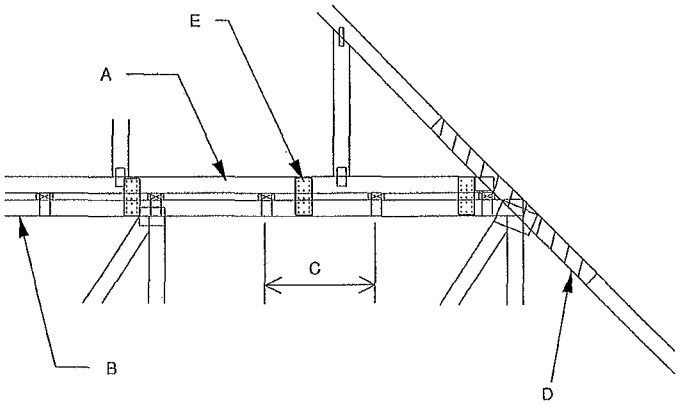
A PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5' TOE NAILED

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

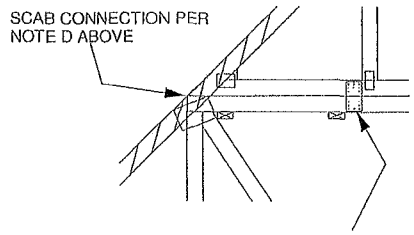
D 2 X __ X 4'-0' SCAB, SIZE AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF 0.131 X 3 NAILS @ 4 O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT IN BOTH DIRECTIONS AND
1. WIND SPEED 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)

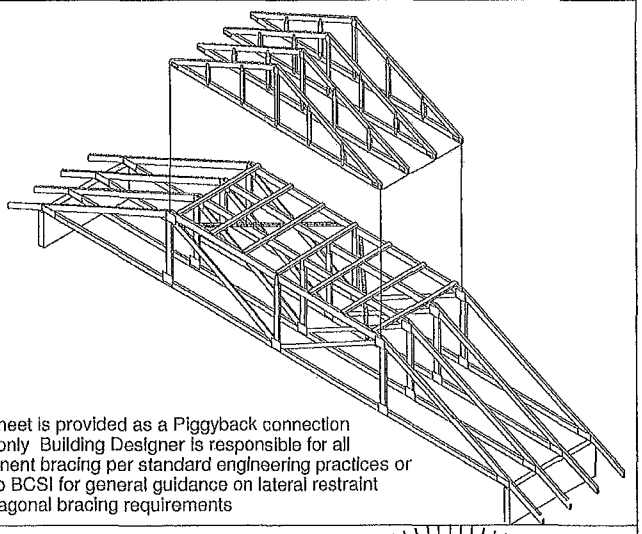


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS

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

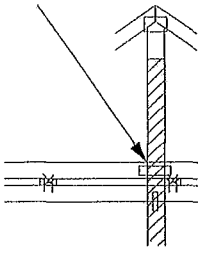


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O C W/ (4) 0 131 X 1 5' PER MEMBER STAGGER NAILS FROM OPPOSING FACES ENSURE 0 5 EDGE DISTANCE



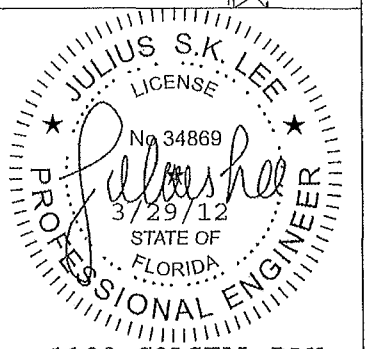
This sheet is provided as a Piggyback connection detail only Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements

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



1109 COASTAL BAY
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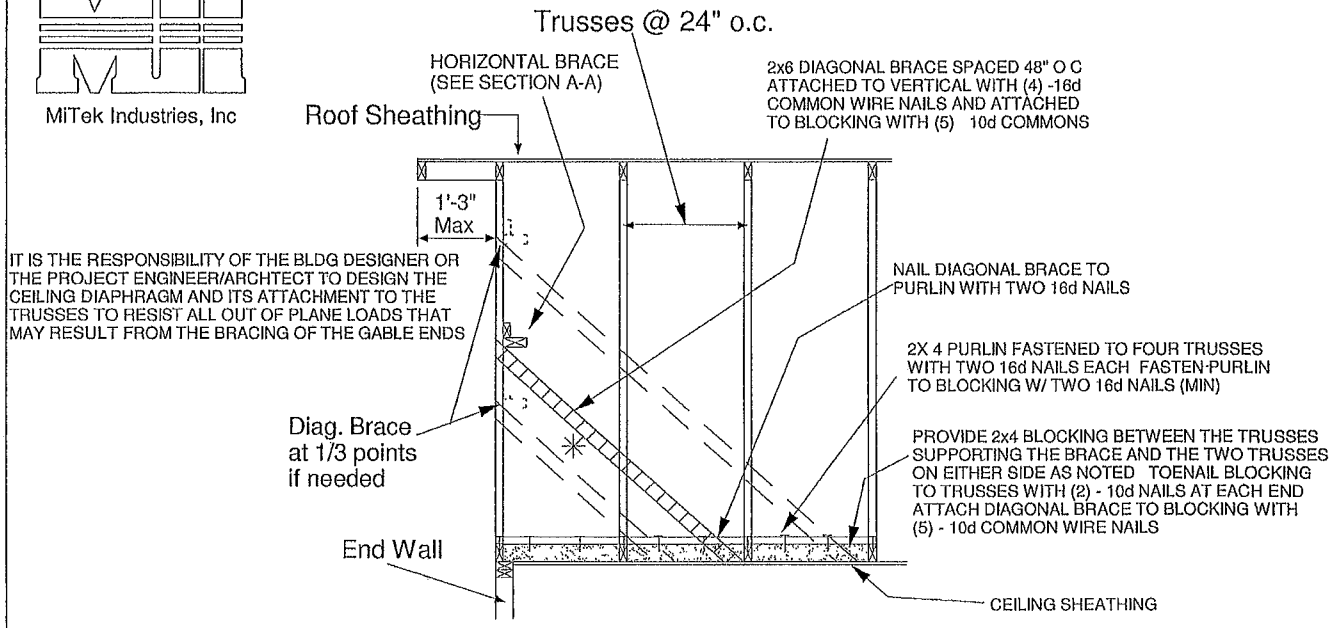
FEBRUARY 14, 2012	Standard Gable End Detail	SHEET 2

MiTek Industries, Inc

ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED

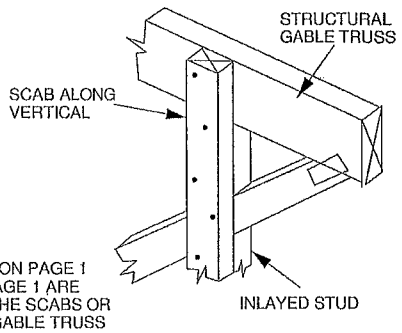
METHOD 1 ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE

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

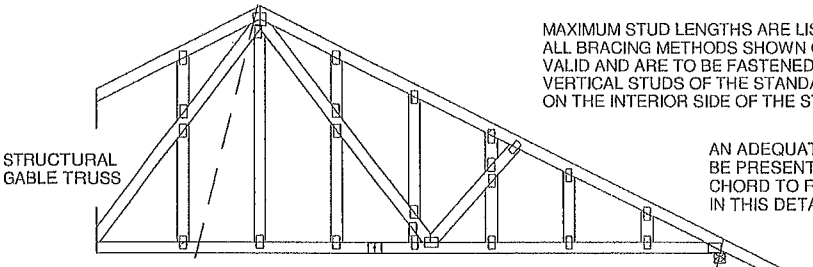
NAILING SCHEDULE

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)

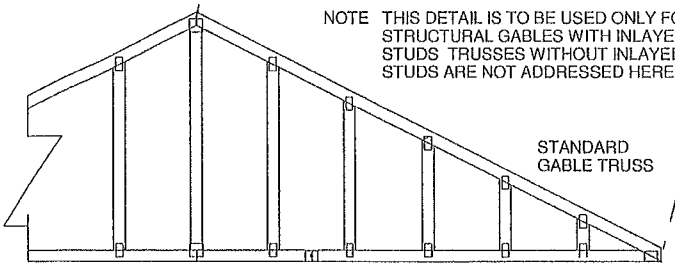


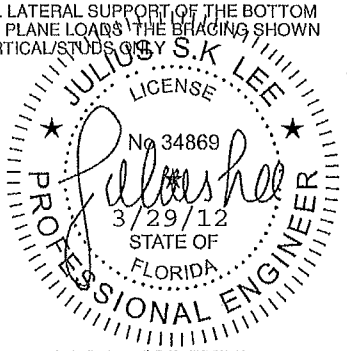
MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1 ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE



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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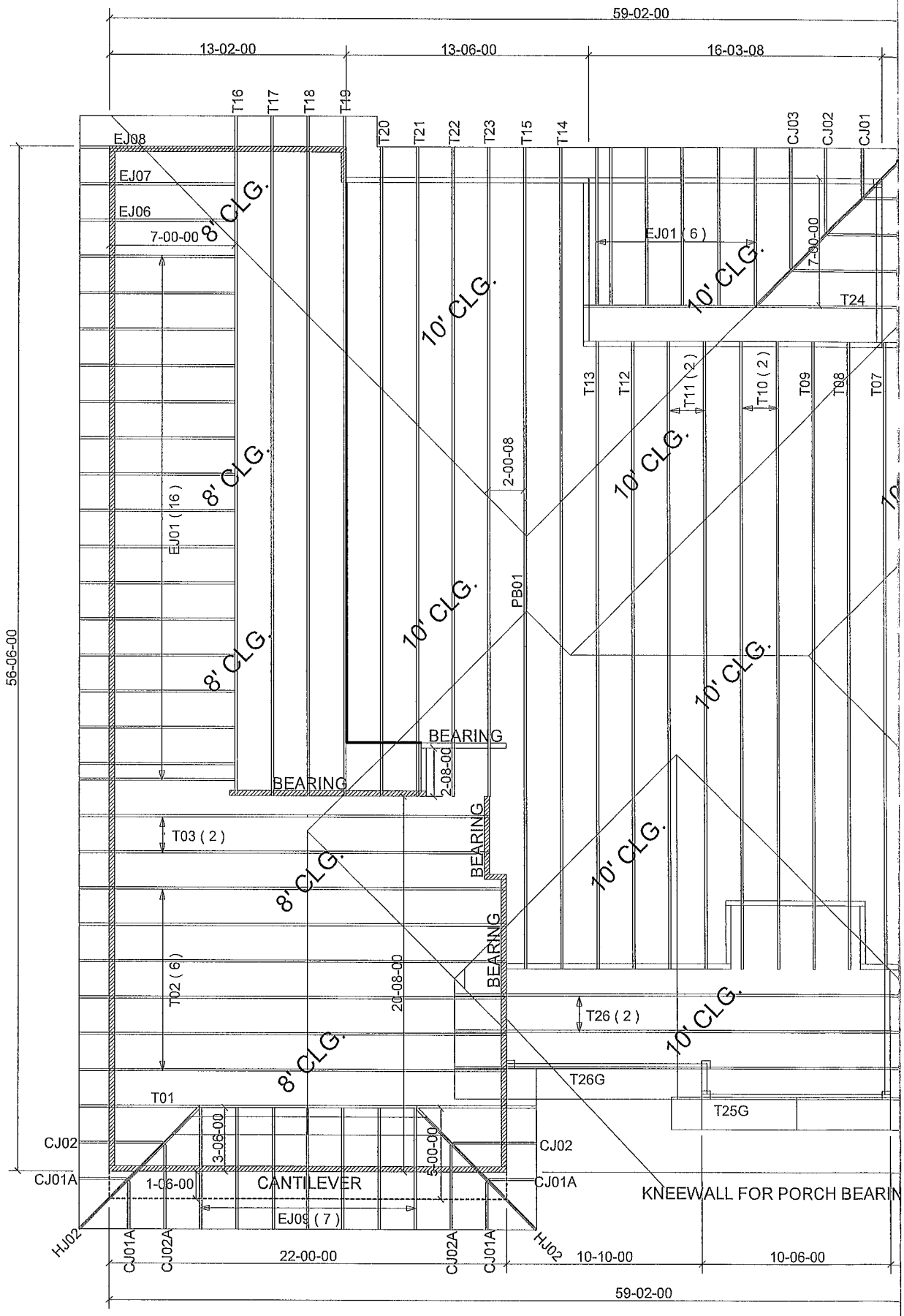

MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYERH