73

JULIUS LEE PE.

#31091

RE: 491346 - WOODMAN PARK - MONTIQUE CT.

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

Site Information:
Project Customer: WOODMAN PARK Project Name: 491346 491348 Model: Custom
Lot/Block: Subdivision:
Address: 284 Montique Court
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: MARK E. HADDOX License #: CRC1329442
Address: 4816 W US HWY 90 STE 100
City: LAKE CITY, State: FL

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
FBC 2010/TPI 2007 Design Program: MiTek 20/20 7.3
ASCE 7-10 Wind Speed: 130 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 2 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
1	I7243586	T07	9/13/013
2	I7243587	T13	9/13/013

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.

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

September 13,2013

Julius Lee

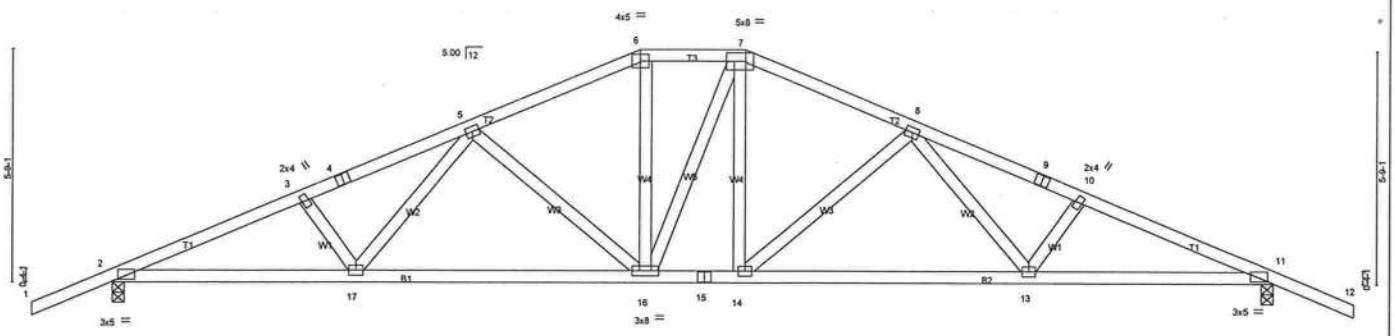
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I7243586
491346	T07	HIP TRUSS	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Sep 12 15:49:18 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-u8YapRYjdH0QxWfTyNJbbCJgzET_37ihULiM86yeKO

-2-0-0	4-9-3	8-10-9	13-0-0	15-7-6	19-8-13	23-10-3	28-7-6	30-7-6
2-0-0	4-9-3	4-1-7	4-1-7	2-7-6	4-1-7	4-1-7	4-9-3	2-0-0

Scale = 1:54.8



6-0-0	13-0-0	15-7-6	22-7-6	28-7-6
6-0-0	7-0-0	2-7-6	7-0-0	6-0-0

Plate Offsets (X,Y): [2:0-1-10,0-0-8], [7:0-5-12,0-2-8], [11:0-1-10,0-0-8]

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)	0.17	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.27	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(TL)	0.08	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 154 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 4-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-4 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=861/0-3-8 (min. 0-1-8), 11=861/0-3-8 (min. 0-1-8)
Max Horz 2=83(LC 12)
Max Uplift 2=-287(LC 12), 11=-287(LC 13)
Max Grav 2=1024(LC 2), 11=1024(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2009/1226, 3-4=-1903/1190, 4-5=-1872/1201, 5-6=-1400/931, 6-7=-1275/901, 7-8=-1399/930, 8-9=-1872/1200, 9-10=-1903/1190, 10-11=-2009/1225
BOT CHORD 2-17=-1001/1800, 16-17=-813/1529, 15-16=-549/1200, 14-15=-549/1200, 13-14=-816/1530, 11-13=-1015/1806
WEBS 5-17=-143/275, 5-16=-449/361, 6-16=-213/347, 7-14=-213/346, 8-14=-451/362, 8-13=-143/276

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=24ft; 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) All plates are 3x4 MT20 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 capable of withstanding 287 lb uplift at joint 2 and 287 lb uplift at joint 11.
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

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

September 13,2013

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

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I7243587
491346	T13	COMMON TRUSS	1	1	Job Reference (optional)	

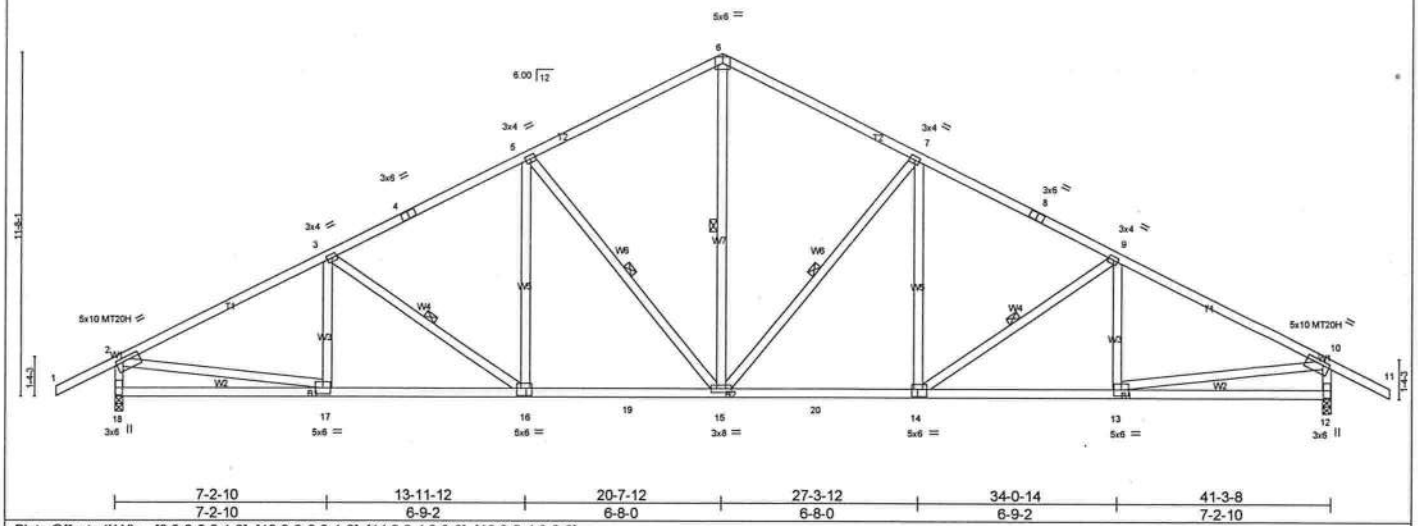
Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Sep 12 15:49:20 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-qXgLE7Zz9uG8Aqos3oL3gdOym28uXtU_xfBTC?yeKOj

-2-0-0	7-2-10	13-11-12	20-7-12	27-3-12	34-0-14	41-3-8	43-3-8
2-0-0	7-2-10	6-9-2	6-8-0	6-8-0	6-9-2	7-2-10	2-0-0

Scale = 1:75.4



7-2-10	13-11-12	20-7-12	27-3-12	34-0-14	41-3-8
7-2-10	6-9-2	6-8-0	6-8-0	6-9-2	7-2-10

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [10:0-3-0,0-1-8], [14:0-2-4,0-3-0], [16:0-2-4,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	0.20	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.30	15-16	>999	180	MT20H	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.09	12	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 266 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 3-6-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-11-8 oc bracing.
WEBS	1 Row at midpt 6-15, 7-15, 9-14, 5-15, 3-16

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

REACTIONS (lb/size) 18=1305/0-3-8 (min. 0-1-15), 12=1305/0-3-8 (min. 0-1-15)
Max Horz 18=206(LC 11)
Max Uplift 18=-398(LC 12), 12=-398(LC 13)
Max Grav 18=1428(LC 2), 12=1428(LC 2)

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

TOP CHORD	2-3=-2277/1307, 3-4=-2135/1270, 4-5=-2015/1293, 5-6=-1735/1157, 6-7=-1735/1157, 7-8=-2015/1293, 8-9=-2135/1270, 9-10=-2277/1307, 2-18=-1590/1070, 10-12=-1590/1070
BOT CHORD	17-18=-204/279, 16-17=-981/1977, 16-19=-774/1805, 15-19=-774/1805, 15-20=-770/1805, 14-20=-770/1805, 13-14=-965/1978
WEBS	6-15=-730/1130, 7-15=-651/504, 7-14=-104/279, 9-14=-242/251, 5-15=-651/504, 5-16=-104/279, 3-16=-242/251, 2-17=-926/1777, 10-13=-927/1779

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=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates 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 398 lb uplift at joint 18 and 398 lb uplift at joint 12.
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

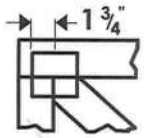
September 13,2013

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

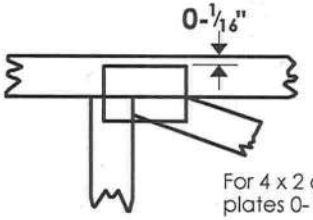
Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

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

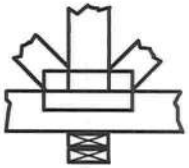
4 x 4

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, I or Eliminator bracing if indicated.

BEARING

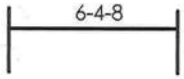


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

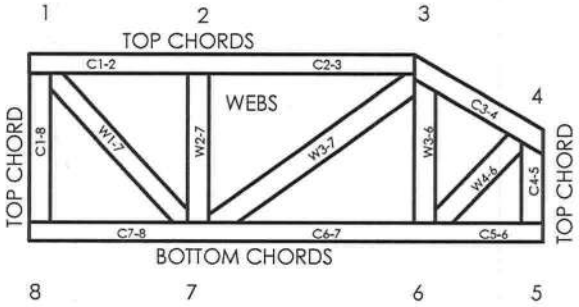
Industry Standards:

ANSI/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

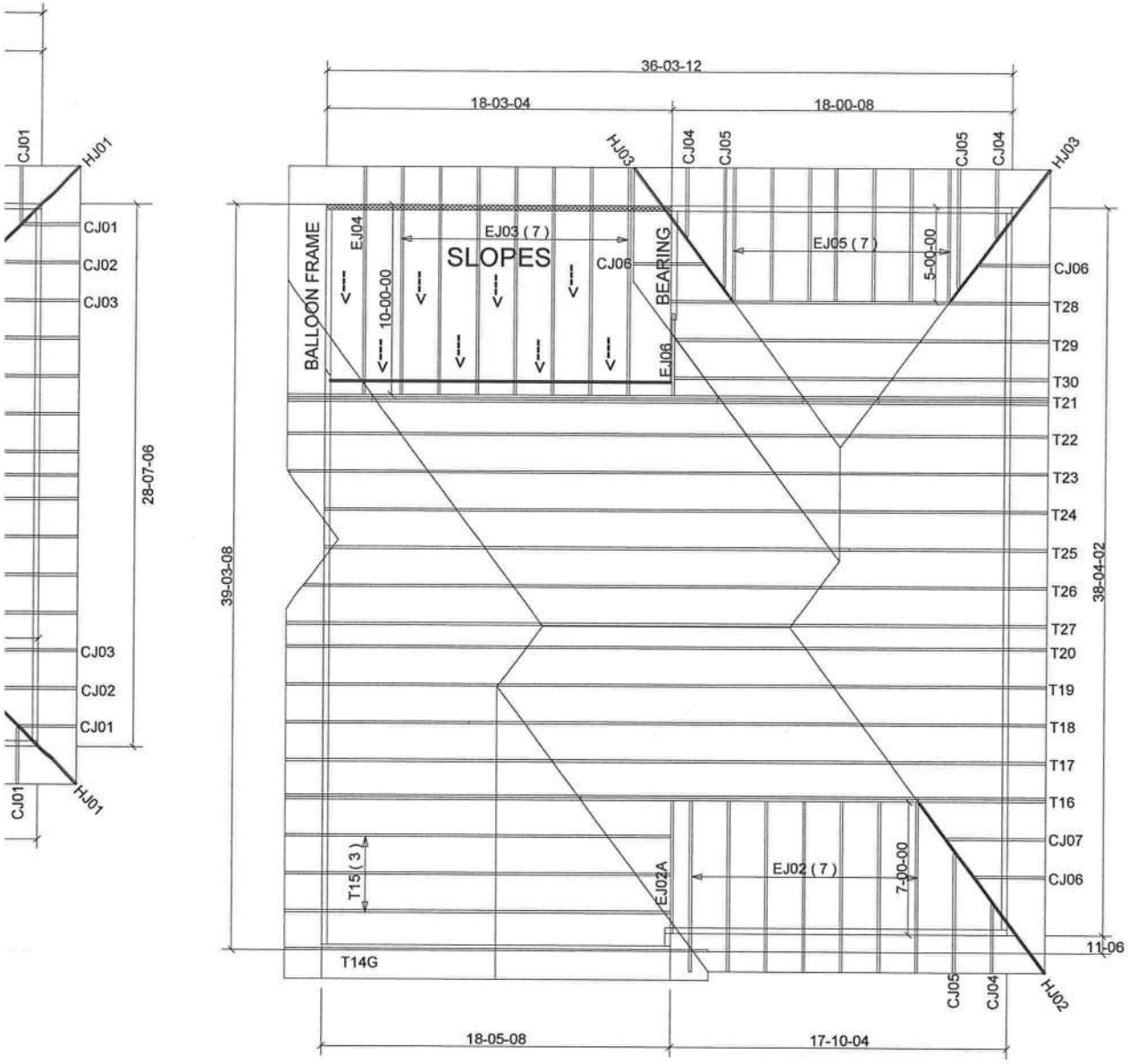
Julius Lee PE
1109 Coastal Bay ,
Boynton Beach ,FL 33435

⚠ 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, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and 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.

PITCHES - 24" O/H



BEARING HEIGHT SCHEDULE

	8' 1-1/8"
	9' 1-1/8"
	15' 7"

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

Builders FirstSource

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Tampa
PHONE: 813-621-9831 FAX: 813-628-8956

Freeport
PHONE: 850-835-4541 FAX: 850-835-6835

BUILDER: WOODMAN PARK BLDRS

LEGAL ADDRESS:

MODEL:	Revision:
CUSTOM	Rev. By:

DATE:	DRAWN BY:	Original Reference #:
5-12-13	KLH	491346

1st Level Job#:	2nd Level Job #:	Roof Job#:
491348		491346

USER PRODUCT #'s 1630.2 - 1630.10

JULIUS LEE PE.

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

RE: 491346 - WOODMAN PARK - MONTIQUE CT.

Site Information:
Project Customer: WOODMAN PARK Project Name: 491346 491348 Model: Custom
Lot/Block: Subdivision:
Address: 284 Montique Court
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: MARK E. HADDOX License #: CRC1329442
Address: 4816 W US HWY 90 STE 100
City: LAKE CITY, State: FL

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
FBC 2010/TPI 2007 Design Program: MiTek 20/20 7.3
ASCE 7-10 Wind Speed: 130 mph Floor Load: 55.0 psf
Roof Load: 32.0 psf

This package includes 57 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.
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No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I6728926	CJ01	5/13/013	18	I6728943	F04	5/13/013
2	I6728927	CJ02	5/13/013	19	I6728944	F05	5/13/013
3	I6728928	CJ03	5/13/013	20	I6728945	F06	5/13/013
4	I6728929	CJ04	5/13/013	21	I6728946	HJ01	5/13/013
5	I6728930	CJ05	5/13/013	22	I6728947	HJ02	5/13/013
6	I6728931	CJ06	5/13/013	23	I6728948	HJ03	5/13/013
7	I6728932	CJ07	5/13/013	24	I6728949	KW1	5/13/013
8	I6728933	EJ01	5/13/013	25	I6728950	KW2	5/13/013
9	I6728934	EJ02	5/13/013	26	I6728951	T01G	5/13/013
10	I6728935	EJ02A	5/13/013	27	I6728952	T02	5/13/013
11	I6728936	EJ03	5/13/013	28	I6728953	T02G	5/13/013
12	I6728937	EJ04	5/13/013	29	I6728954	T03	5/13/013
13	I6728938	EJ05	5/13/013	30	I6728955	T03G	5/13/013
14	I6728939	EJ06	5/13/013	31	I6728956	T04	5/13/013
15	I6728940	F01	5/13/013	32	I6728957	T05	5/13/013
16	I6728941	F02	5/13/013	33	I6728958	T06	5/13/013
17	I6728942	F03	5/13/013	34	I6728959	T07	5/13/013

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.

May 13,2013

Julius Lee

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	CJ01	Jack-Open Truss	4	1	I6728926
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:57:27 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-qZ7gLP9B1SbvpbOALNeS?q5GGZ_xqc9Nyt3CdDzGxCM

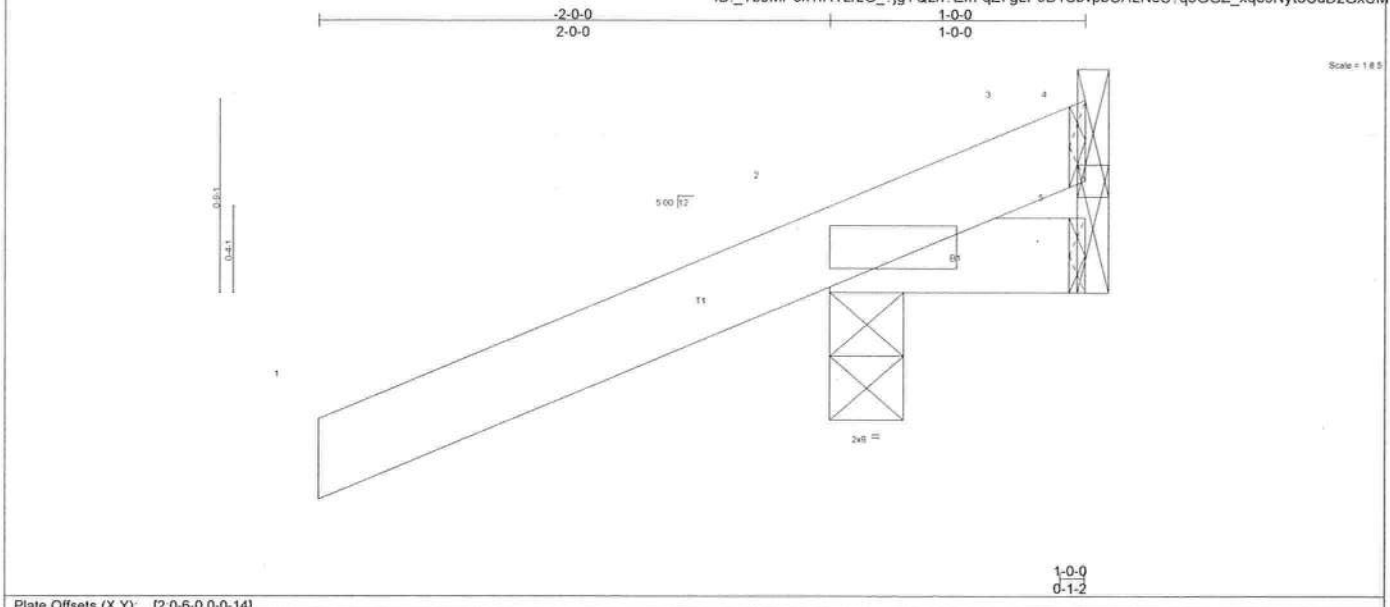

Plate Offsets (X,Y): [2:0-6-0,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 7 lb	FT = 20%

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

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=186/0-3-8 (min. 0-1-8), 5=-22/Mechanical, 3=-24/Mechanical
Max Horz 2=61(LC 8)
Max Uplift2=-183(LC 8), 5=-28(LC 2), 3=-31(LC 2)
Max Grav 2=228(LC 2), 5=32(LC 8), 3=35(LC 8)

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=24ft; 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 183 lb uplift at joint 2, 28 lb uplift at joint 5 and 31 lb uplift at joint 3.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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

May 13,2013

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

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728928
491346	CJ03	Jack-Open Truss	4	1	Job Reference (optional)	

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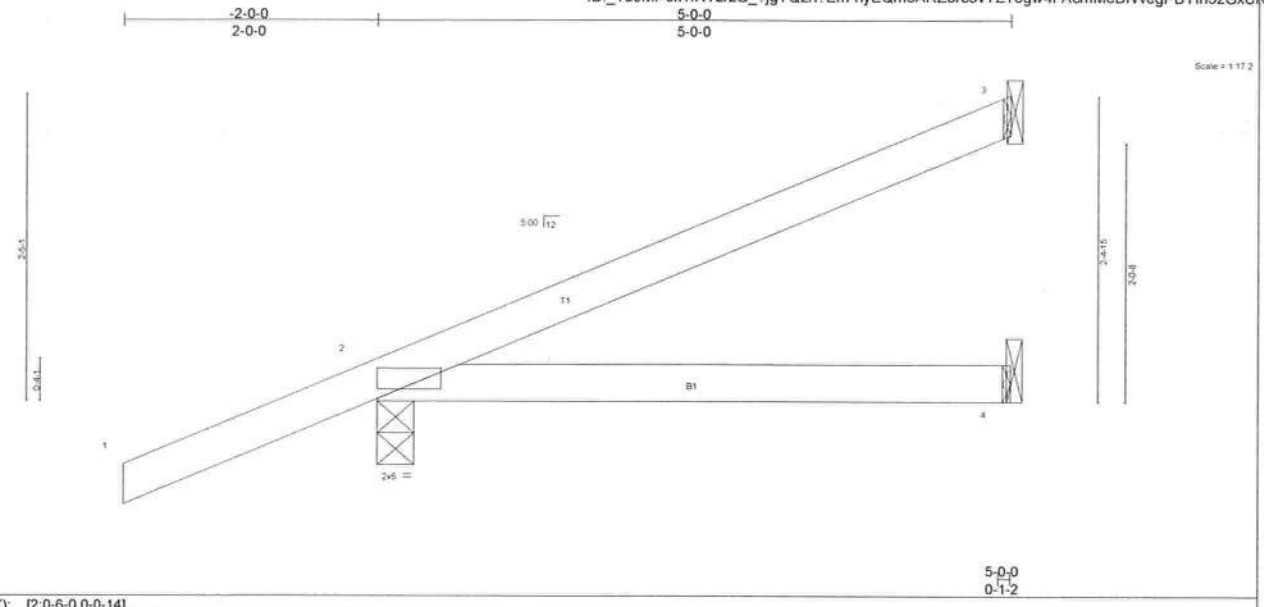

Plate Offsets (X,Y): [2:0-6-0,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.03	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: 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=79/Mechanical, 2=253/0-3-8 (min. 0-1-8), 4=23/Mechanical
Max Horz 2=143(LC 12)
Max Uplift3=-91(LC 12), 2=-168(LC 12)
Max Grav 3=96(LC 2), 2=303(LC 2), 4=56(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-429/130
BOT CHORD 2-4=-307/561

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; 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 91 lb uplift at joint 3 and 168 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

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

May 13,2013

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	WOODMAN PARK - MONTIQUE CT.
491346	CJ05	Jack-Open Truss	3	1	I6728930
					Job Reference (optional)

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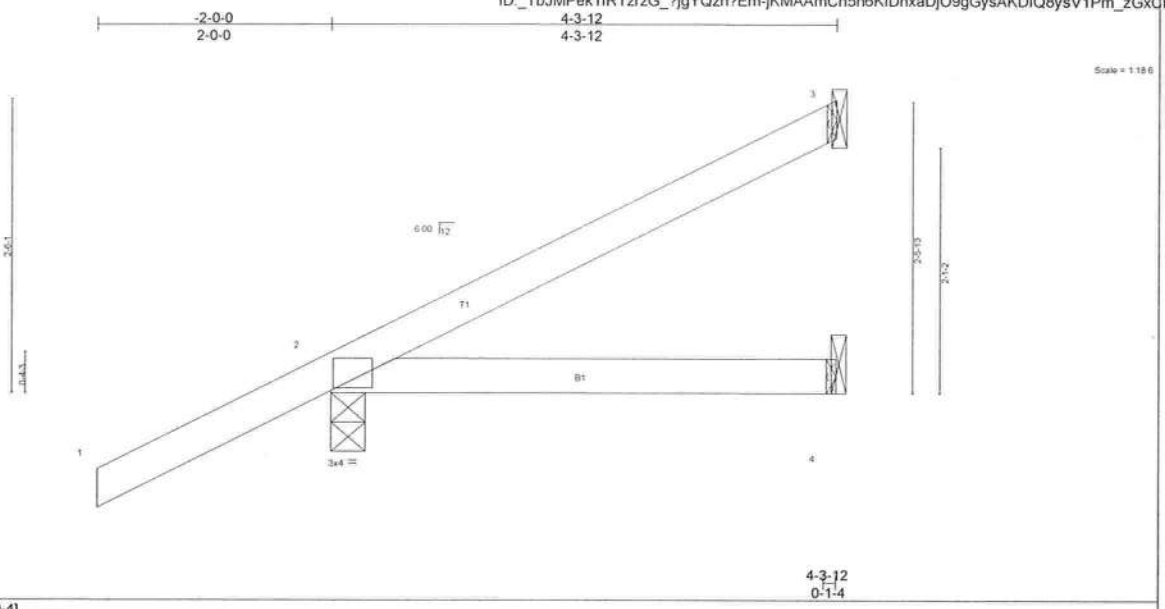

Plate Offsets (X,Y): [2:0-4-4,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	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: 17 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 4-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 3=67/Mechanical, 2=231/0-3-8 (min. 0-1-8), 4=19/Mechanical
Max Horz 2=154(LC 12)
Max Uplift 3=-84(LC 12), 2=-149(LC 12)
Max Grav 3=82(LC 2), 2=278(LC 2), 4=48(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-331/6
BOT CHORD 2-4=-173/484

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; 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 84 lb uplift at joint 3 and 149 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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	CJ07	Jack-Open Truss	1	1	I6728932
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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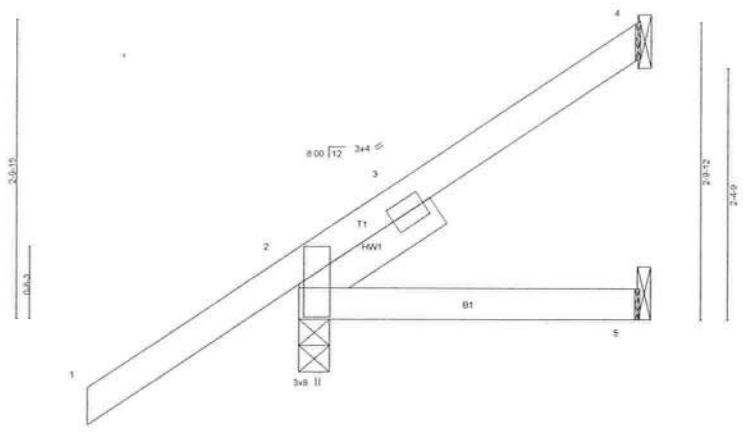

3-2-10
0-1-1

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.02	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.02	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 17 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-10 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=45/Mechanical, 2=201/0-3-8 (min. 0-1-8), 5=13/Mechanical
Max Horz 2=168(LC 12)
Max Uplift 4=-76(LC 12), 2=-110(LC 12), 5=-3(LC 12)
Max Grav 4=69(LC 21), 2=243(LC 2), 5=39(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-279/204

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 4, 110 lb uplift at joint 2 and 3 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	EJ02	Jack-Partial Truss	7	1	I6728934
					Job Reference (optional)

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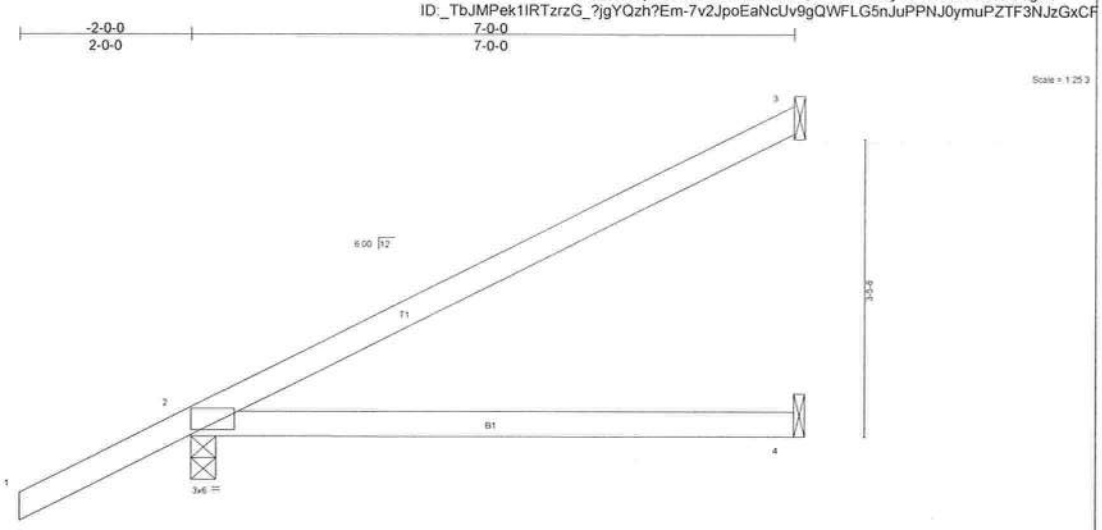

Plate Offsets (X,Y): [2:0-6-0,0-0-10]

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	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.11	4-7	>740	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 26 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 5-11-10 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=113/Mechanical, 2=318/0-3-8 (min. 0-1-8), 4=32/Mechanical
Max Horz 2=153(LC 12)
Max Uplift3=-93(LC 12), 2=-107(LC 12)
Max Grav 3=139(LC 2), 2=380(LC 2), 4=79(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-891/580
BOT CHORD 2-4=-1133/1352

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; 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 93 lb uplift at joint 3 and 107 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

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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728936
491346	EJ03	Jack-Closed Truss	7	1	Job Reference (optional)	

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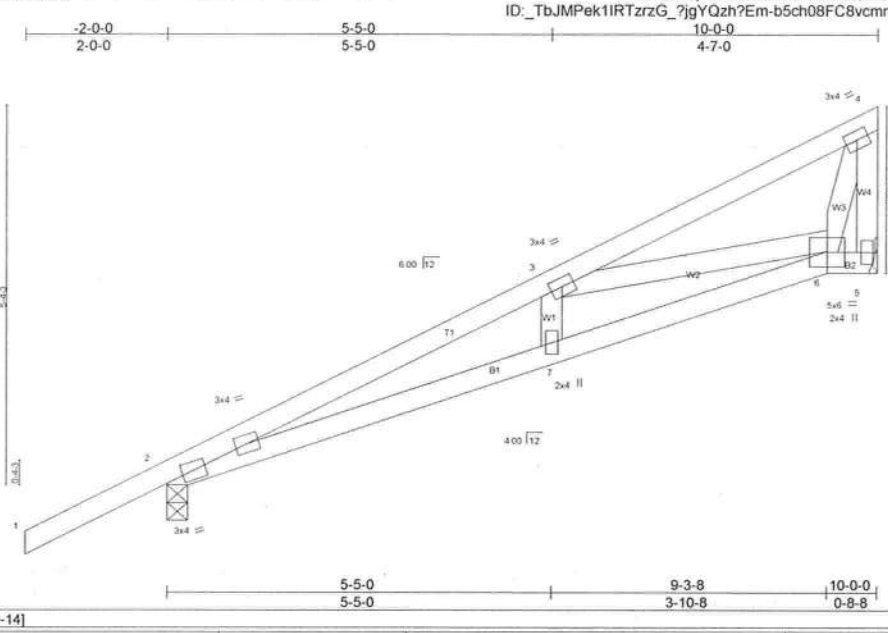

Plate Offsets (X,Y): [2:0-2-15,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.08	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.07	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	-0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 48 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 5-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-14 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=257/Mechanical, 2=364/0-3-8 (min. 0-1-8)
Max Horz 2=206(LC 12)
Max Uplift 5=-148(LC 12), 2=-105(LC 12)
Max Grav 5=304(LC 2), 2=435(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1048/723, 4-5=-340/297
BOT CHORD 2-7=-919/1027, 6-7=-919/1025
WEBS 3-6=-858/776, 4-6=-201/273

NOTES (8-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 5 and 105 lb uplift at joint 2.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869. Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

May 13,2013

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	EJ05	Jack-Open Truss	7	1	I6728938
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:57:37 2013 Page 1

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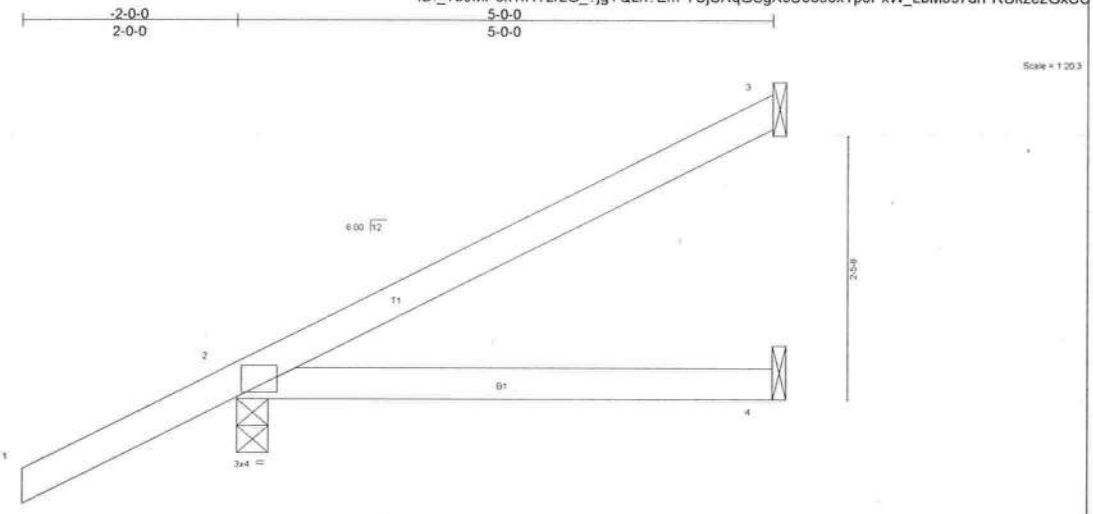

Plate Offsets (X,Y): [2:0-4-8,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.03	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 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=79/Mechanical, 2=253/0-3-8 (min. 0-1-8), 4=23/Mechanical
Max Horz 2=172(LC 12)
Max Uplift3=-99(LC 12), 2=-160(LC 12)
Max Grav 3=97(LC 2), 2=303(LC 2), 4=56(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-438/115
BOT CHORD 2-4=-382/645

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; 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 99 lb uplift at joint 3 and 160 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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	F01	Floor Truss	6	1	I6728940
					Job Reference (optional)

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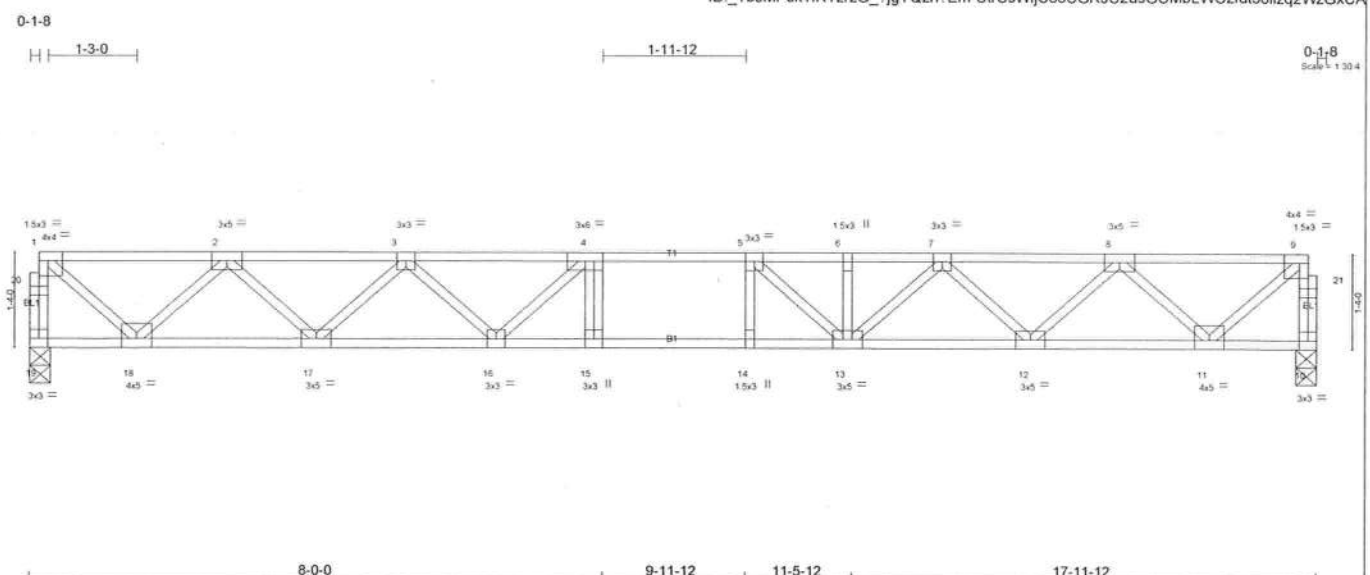

Plate Offsets (X,Y): [1:Edge,0-1-8], [9:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.25	Vert(LL)	-0.19	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.51	Vert(TL)	-0.30	14-15	>716	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.06	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 95 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SYP M 31(flat)
BOT CHORD 2x4 SYP M 31(flat)
WEBS 2x4 SP No.3(flat)

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.

REACTIONS (lb/size) 19=969/0-3-8 (min. 0-1-8), 10=969/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 19-20=-964/0, 1-20=-962/0, 10-21=-963/0, 9-21=-962/0, 1-2=-982/0, 2-3=-2423/0, 3-4=-3257/0, 4-5=-3545/0, 5-6=-3303/0, 6-7=-3303/0, 7-8=-2418/0, 8-9=-984/0
BOT CHORD 17-18=0/1849, 16-17=0/2971, 15-16=0/3545, 14-15=0/3545, 13-14=0/3545, 12-13=0/2954, 11-12=0/1853
WEBS 9-11=0/1270, 1-18=0/1267, 8-11=-1209/0, 2-18=-1206/0, 8-12=0/785, 2-17=0/798, 7-12=-746/0, 3-17=-761/0, 7-13=0/474, 3-16=0/487, 5-13=-663/98, 4-16=-606/0

NOTES (5-7)
1) Unbalanced floor live loads have been considered for this design.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) 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.
6) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
7) 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

May 13,2013

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	WOODMAN PARK - MONTIQUE CT.
491346	F03	Floor Truss	1	1	I6728942
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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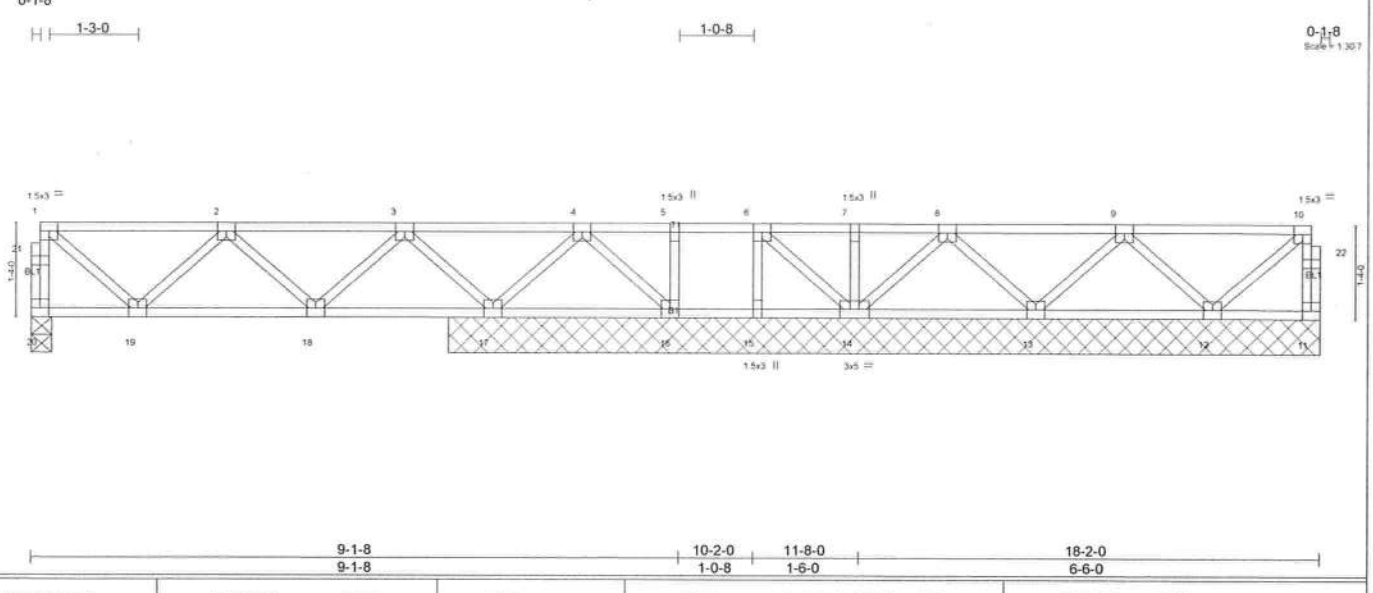

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.15	Vert(LL)	-0.00	18	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.06	Vert(TL)	-0.01	18-19	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.00	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 96 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SYP M 31(flat)
BOT CHORD 2x4 SYP M 31(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS All bearings 12-3-8 except (jt=length) 20=0-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 11, 12, 14, 15, 16 except 20=303(LC 1), 13=282(LC 1), 17=607(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 20-21=-299/0, 1-21=-298/0, 2-3=-294/0
BOT CHORD 18-19=0/408
WEBS 1-19=0/289, 2-19=-251/0, 3-17=-549/0, 4-17=-283/0

NOTES (6-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) 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.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) 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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728944
491346	F05	Floor Truss	3	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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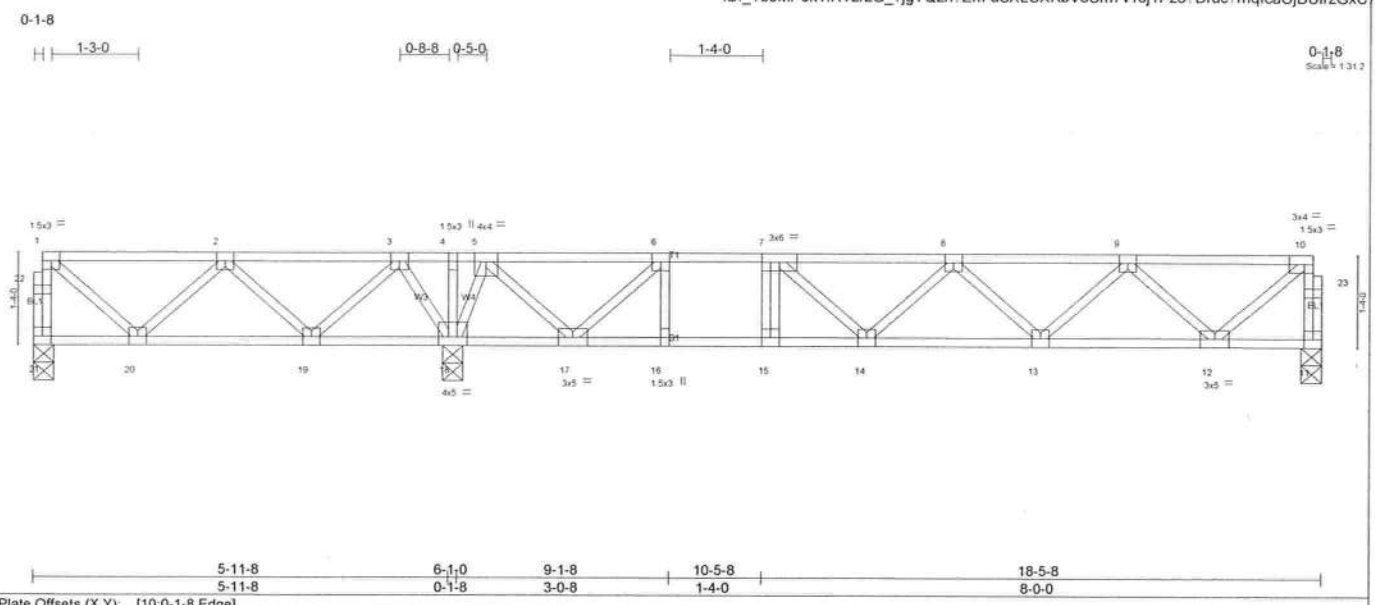

Plate Offsets (X,Y): [10:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.31	Vert(LL)	-0.11	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.48	Vert(TL)	-0.17	14-15	>870	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 100 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SYP M 31(flat)
BOT CHORD 2x4 SYP M 31(flat)
WEBS 2x4 SP No.3(flat)

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, Except:
6-0-0 oc bracing: 19-20,18-19,17-18.

REACTIONS (lb/size) 21=240/0-3-8 (min. 0-1-8), 11=634/0-3-8 (min. 0-1-8), 18=1117/0-3-8 (min. 0-1-8)
Max Grav 21=284(LC 8), 11=640(LC 4), 18=1117(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 21-22=-280/0, 1-22=-280/0, 11-23=-637/0, 10-23=-636/0, 3-4=0/436, 4-5=0/436, 5-6=-530/0, 6-7=-1261/0, 7-8=-1522/0, 8-9=-1376/0, 9-10=-609/0
BOT CHORD 19-20=-24/370, 16-17=0/1261, 15-16=0/1261, 14-15=0/1261, 13-14=0/1610, 12-13=0/1131
WEBS 6-16=0/348, 7-15=-309/0, 1-20=-0/265, 2-19=-283/0, 3-19=0/309, 3-18=-476/0, 6-17=-1011/0, 5-17=0/789, 5-18=-715/0, 10-12=0/783, 9-12=-726/0, 9-13=0/340, 8-13=-326/0, 7-14=0/397

NOTES (7-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.
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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728946
491346	HJ01	Diagonal Hip Girder	2	1	Job Reference (optional)	

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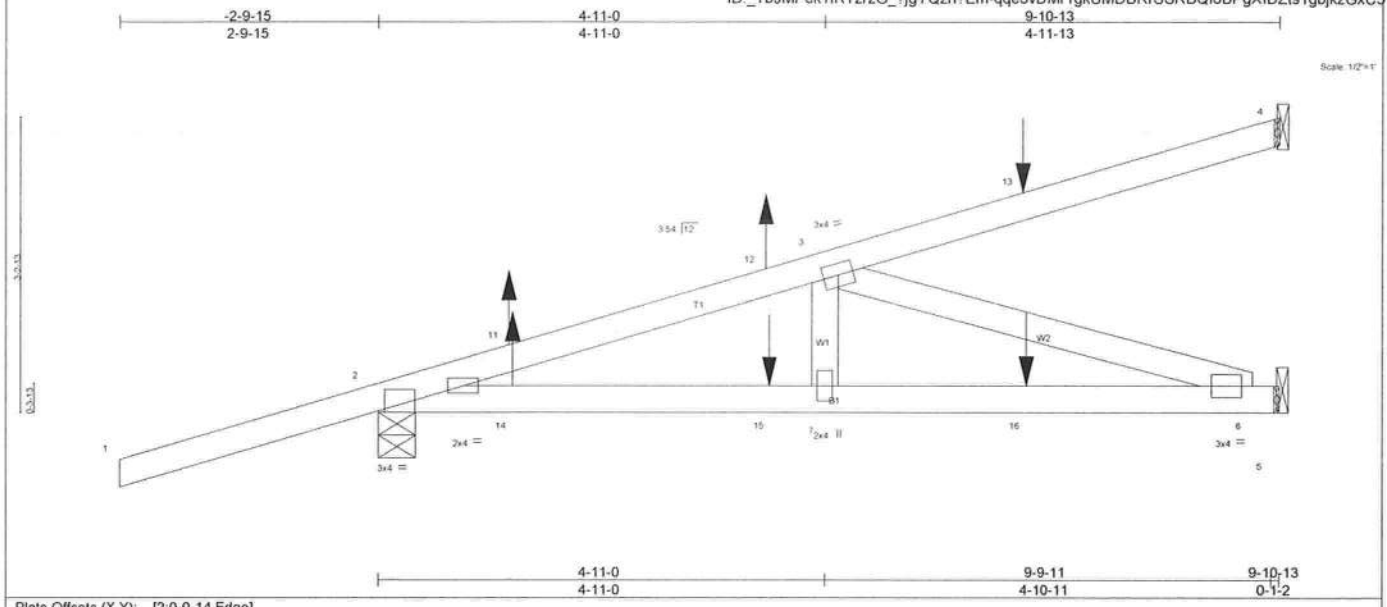

Plate Offsets (X,Y): [2:0-0-14,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.10	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 43 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 8-9-13 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=117/Mechanical, 2=370/0-4-15 (min. 0-1-8), 5=195/Mechanical
Max Horz 2=207(LC 4)
Max Uplift4=-133(LC 4), 2=-290(LC 4), 5=-117(LC 8)
Max Grav 4=142(LC 2), 2=455(LC 2), 5=226(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-684/305, 11-12=-643/339, 3-12=-642/338
BOT CHORD 2-14=-432/641, 14-15=-432/641, 7-15=-432/641, 7-16=-432/641, 6-16=-432/641
WEBS 3-6=-672/453

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 4, 290 lb uplift at joint 2 and 117 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 49 lb down and 45 lb up at 1-5-12, 49 lb down and 45 lb up at 1-5-12, 4 lb down and 48 lb up at 4-3-11, 4 lb down and 48 lb up at 4-3-11, and 42 lb down and 91 lb up at 7-1-10, and 42 lb down and 91 lb up at 7-1-10 on top chord, and 30 lb up at 1-5-12, 30 lb up at 1-5-12, 2 lb down and 3 lb up at 4-3-11, 2 lb down and 3 lb up at 4-3-11, and 26 lb down at 7-1-10, and 26 lb down at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) 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=37(F=18, B=18) 12=5(F=3, B=3) 13=-69(F=-35, B=-35) 14=30(F=15, B=15) 15=-3(F=-1, B=-1) 16=-27(F=-13, B=-13)

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

May 13,2013

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	WOODMAN PARK - MONTIQUE CT.
491346	HJ03	Diagonal Hip Girder	2	1	I6728948
					Job Reference (optional)

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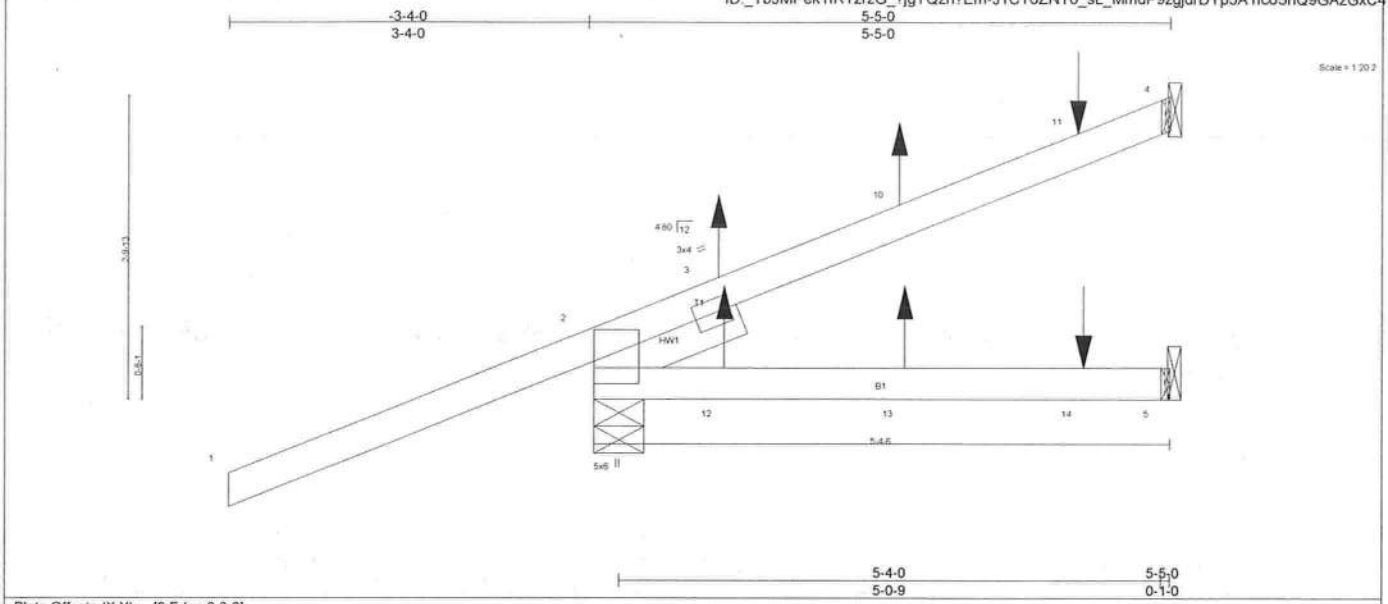

Plate Offsets (X,Y): [2:Edge,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0.03	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.04	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.01	2	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
SLIDER Left 2x4 SP No.3 1-5-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-0 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=72/Mechanical, 2=290/0-5-9 (min. 0-1-8), 5=15/Mechanical
Max Horz 2=170(LC 8)
Max Uplift4=-117(LC 8), 2=-275(LC 4)
Max Grav 4=87(LC 2), 2=351(LC 2), 5=73(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-579/475

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 4 and 275 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 22 lb down and 45 lb up at 1-3-4, and 17 lb down and 54 lb up at 2-11-6, and 28 lb down and 84 lb up at 4-7-4 on top chord, and 12 lb up at 1-3-4, and 2 lb down and 11 lb up at 2-11-6, and 18 lb down at 4-7-4 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, 5-6=-10
Concentrated Loads (lb)
Vert: 3=34(F) 10=42(B) 11=-23(F) 12=7(F) 13=7(B) 14=-9(F)

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	KW2	GABLE	1	1	I6728950
					Job Reference (optional)

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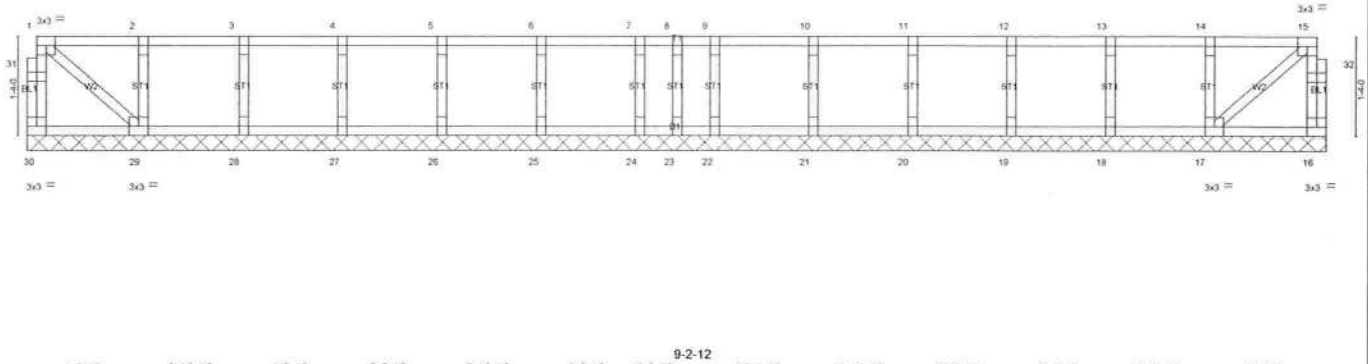

1-6-12	2-10-12	4-2-12	5-6-12	6-10-12	8-2-12	8-8-12	9-2-12	10-6-12	11-10-12	13-2-12	14-6-12	15-10-12	17-5-8
1-6-12	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-6-0	0-6-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-6-12

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	-0.00	17	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 83 lb	FT = 2%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 29-30,16-17.

REACTIONS All bearings 17-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 23, 17, 18, 19, 20, 21, 22, 29, 28, 27, 26, 25, 24

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

NOTES (8-10)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728952
491346	T02	Common Truss	7	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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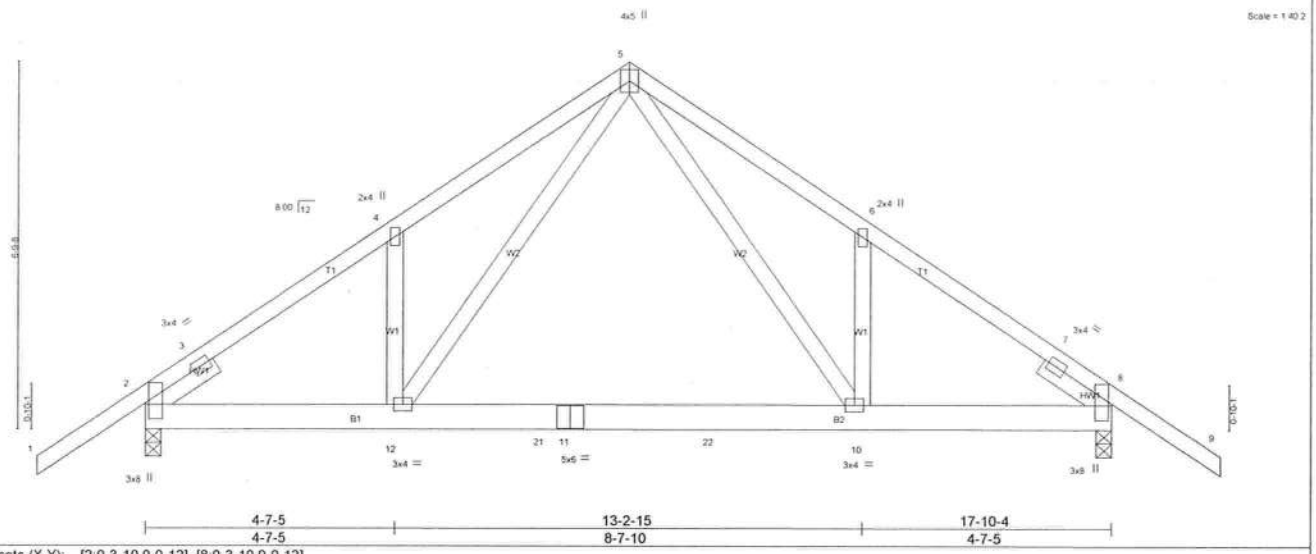
ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-f_0MAGRccWVe48ebBiYrQhYA8qiaiutlEy7wxOzGxC?

-2-0-0	4-7-5	8-11-2	13-2-15	17-10-4	19-10-4
2-0-0	4-7-5	4-3-13	4-3-13	4-7-5	2-0-0



4-7-5	13-2-15	17-10-4
4-7-5	8-7-10	4-7-5

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

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)	0.14	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.25	10-12	>862	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 117 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SYP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-1 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) 2=835/0-3-8 (min. 0-1-8), 8=835/0-3-8 (min. 0-1-8)
Max Horz 2=208(LC 9)
Max Uplift2=-483(LC 12), 8=-483(LC 13)
Max Grav 2=938(LC 2), 8=938(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-676/179, 3-4=-1716/641, 4-5=-1801/799, 5-6=-1801/799, 6-7=-1716/641, 7-8=-676/178
BOT CHORD 2-12=-491/1331, 12-21=-221/806, 11-21=-221/806, 11-22=-221/806, 10-22=-221/806, 8-10=-382/1355
WEBS 5-10=-483/980, 6-10=-311/275, 5-12=-482/980, 4-12=-311/275

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=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=483, 8=483.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728954
491346	T03	Common Truss	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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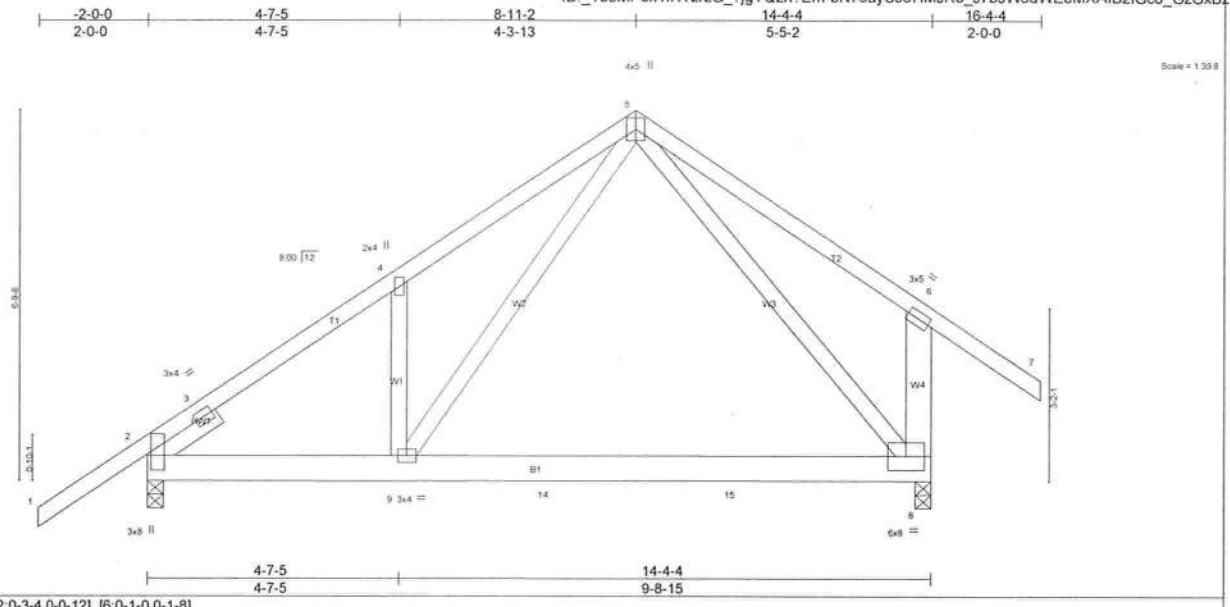

Plate Offsets (X,Y): [2:0-3-4,0-0-12], [6:0-1-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.16	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.29	8-9	>591	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 103 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SYP No.2
WEBS 2x4 SP No.3 *Except*
W4: 2x6 SYP No.2
SLIDER Left 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=667/0-3-8 (min. 0-1-8), 8=867/0-3-8 (min. 0-1-9)
Max Horz 2=265(LC 11)
Max Uplift2=-401(LC 12), 8=-483(LC 13)
Max Grav 2=750(LC 2), 8=982(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-404/69, 3-4=-1385/517, 4-5=-1476/678, 5-6=-436/348, 6-8=-578/401
BOT CHORD 2-9=-413/1198, 9-14=-137/563, 14-15=-137/563, 8-15=-137/563
WEBS 4-9=-321/278, 5-9=-528/1148, 5-8=-483/163

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=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=401, 8=483.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-44, 5-6=-44, 6-7=-44, 9-10=-10, 9-14=-61(F=-51), 14-15=-91(F=-51), 8-15=-61(F=-51)

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

May 13,2013

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	WOODMAN PARK - MONTIQUE CT.	I6728956
491346	T04	Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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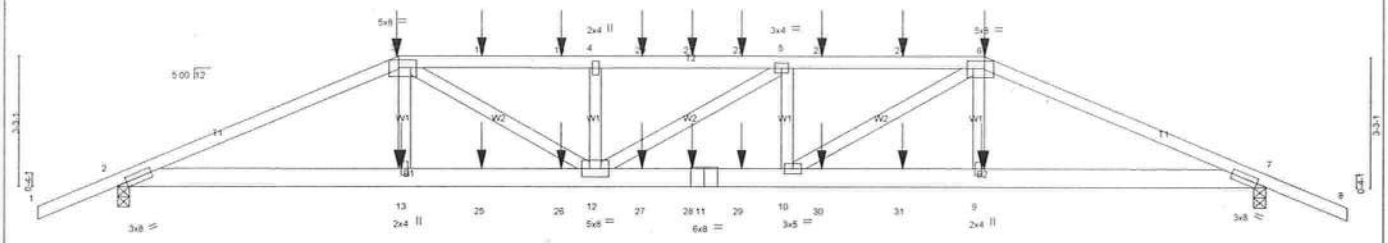
ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-YIFt?eU7gI?3ZlyMQYdnbXjonR0xehSL9a5739zGxBx

-2-0-0	7-0-0	11-11-1	16-8-5	21-7-6	28-7-6	30-7-6
2-0-0	7-0-0	4-11-1	4-9-5	4-11-1	7-0-0	2-0-0

Scale = 1:54.2



7-0-0	11-11-1	16-8-5	21-7-6	28-7-6
7-0-0	4-11-1	4-9-5	4-11-1	7-0-0

Plate Offsets (X,Y): [3:0-5-4,0-2-4], [6:0-5-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.29	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.56	10-12	>613	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.12	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 156 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SYP No.1
BOT CHORD 2x6 SYP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-13 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=1472/0-3-8 (min. 0-2-1), 7=1509/0-3-8 (min. 0-2-2)
Max Horz 2=-50(LC 9)
Max Uplift2=-672(LC 4), 7=-726(LC 5)
Max Grav 2=1746(LC 2), 7=1792(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3805/1485, 3-18=-4521/1841, 18-19=-4521/1841, 4-19=-4521/1841, 4-20=-4521/1841, 20-21=-4521/1841, 21-22=-4521/1841, 5-22=-4521/1841, 5-23=-4573/1891, 23-24=-4573/1891, 6-24=-4573/1891, 6-7=-3919/1623
BOT CHORD 2-13=-1301/3453, 13-25=-1307/3474, 25-26=-1307/3474, 12-26=-1307/3474, 12-27=-1797/4573, 27-28=-1797/4573, 11-28=-1797/4573, 11-29=-1797/4573, 10-29=-1797/4573, 10-30=-1432/3579, 30-31=-1432/3579, 9-31=-1432/3579, 7-9=-1427/3559
WEBS 3-13=-116/509, 3-12=-529/1322, 4-12=-524/307, 5-10=-525/281, 6-10=-441/1260, 6-9=-110/503

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=24ft; 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) 2=672, 7=726.
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) 84 lb down and 91 lb up at 7-0-0, 84 lb down and 91 lb up at 9-0-12, 84 lb down and 91 lb up at 11-0-12, 84 lb down and 91 lb up at 13-0-12, 84 lb down and 91 lb up at 14-3-11, 84 lb down and 91 lb up at 15-6-10, 84 lb down and 91 lb up at 17-6-10, and 84 lb down and 91 lb up at 19-6-10, and 172 lb down and 230 lb up at 21-7-6 on top chord, and 240 lb down and 121 lb up at 7-0-0, 49 lb down at 9-0-12, 49 lb down at 11-0-12, 49 lb down at 13-0-12, 49 lb down at 14-3-11, 49 lb down at 15-6-10 , 49 lb down at 17-6-10, and 49 lb down at 19-6-10, and 240 lb down and 121 lb up at 21-6-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

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

May 13,2013

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	WOODMAN PARK - MONTIQUE CT.
491346	T05	Hip Truss	1	1	I6728957
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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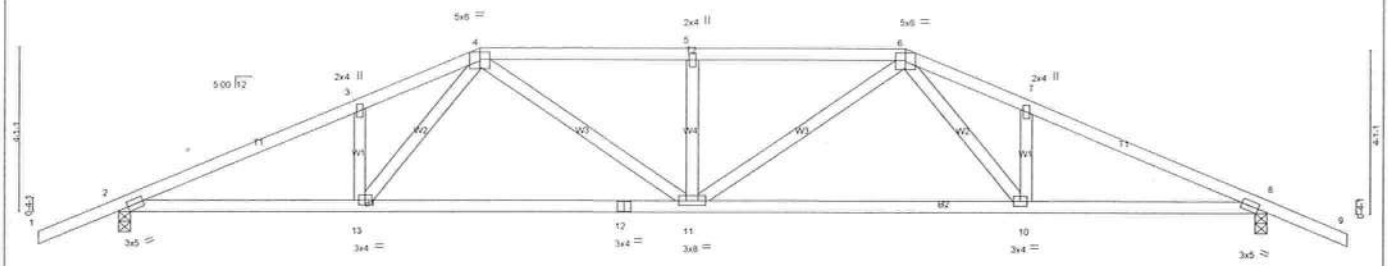
-2-0-0	6-0-0	9-0-0	14-3-11	19-7-6	22-7-6	28-7-6	30-7-6
2-0-0	6-0-0	3-0-0	5-3-11	5-3-11	3-0-0	6-0-0	2-0-0

Scale = 1:54.2



6-0-0	14-3-11	22-7-6	28-7-6
6-0-0	8-3-11	8-3-11	6-0-0

Plate Offsets (X,Y): [2:0-2-15,0-1-8], [4:0-3-0,0-2-4], [6:0-3-0,0-2-4], [8:0-2-15,0-1-8]

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)	0.18	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.31	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 138 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 4-0-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-8 oc bracing.

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

REACTIONS (lb/size) 2=861/0-3-8 (min. 0-1-8), 8=861/0-3-8 (min. 0-1-8)
Max Horz 2=61(LC 12)
Max Uplift 2=-293(LC 8), 8=-293(LC 9)
Max Grav 2=1024(LC 2), 8=1024(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1911/1116, 3-4=-1916/1221, 4-5=-1808/1147, 5-6=-1808/1147, 6-7=-1916/1221, 7-8=-1911/1115
BOT CHORD 2-13=-886/1697, 12-13=-735/1458, 11-12=-735/1458, 10-11=-738/1459, 8-10=-896/1701
WEBS 4-13=-255/391, 4-11=-192/451, 5-11=-336/270, 6-11=-192/451, 6-10=-255/390

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=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=293, 8=293.
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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T07	Hip Truss	1	2	I6728959

Job Reference (optional)

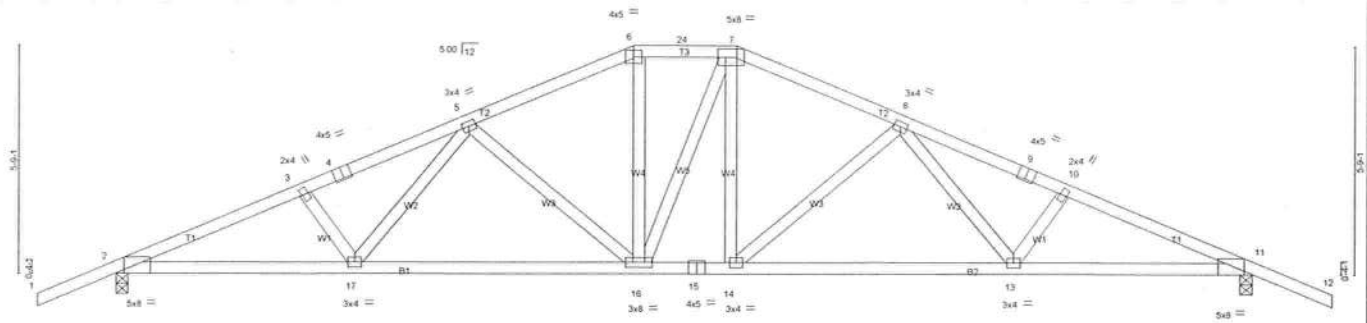
Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:57:58 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-QXVOr?XdkzVV1MF7fOijINtRo3OvaXdx4C3LCwzGxBt

-2-0-0	4-9-3	8-10-9	13-0-0	15-7-6	19-8-13	23-10-3	28-7-6	30-7-6
2-0-0	4-9-3	4-1-7	4-1-7	2-7-6	4-1-7	4-1-7	4-9-3	2-0-0

Scale = 1:54.8



6-0-0	13-0-0	15-7-6	22-7-6	28-7-6
6-0-0	7-0-0	2-7-6	7-0-0	6-0-0

Plate Offsets (X,Y): [2:0-2-4,Edge], [4:0-2-8,Edge], [7:0-5-12,0-2-8], [9:0-2-8,Edge], [11:0-2-4,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.89	Vert(LL)	0.36	13-14	>945	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.50	13-14	>685	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(TL)	0.16	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 309 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SYP No.1
BOT CHORD 2x4 SYP No.1
WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-13 oc bracing.

REACTIONS (lb/size) 2=4120/0-3-8 (min. 0-3-2), 11=4120/0-3-8 (min. 0-3-2)
Max Horz 2=83(LC 16)
Max Uplift2=-1590(LC 12), 11=-1590(LC 13)
Max Grav 2=4887(LC 2), 11=4887(LC 2)

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

TOP CHORD 2-3=-10421/6404, 3-4=-9531/5894, 4-5=-9259/5753, 5-6=-6640/4159, 6-24=-5935/3783, 7-24=-5935/3783, 7-8=-6633/4154, 8-9=-9262/5755, 9-10=-9532/5895, 10-11=-10422/6405
BOT CHORD 2-17=-5620/9316, 16-17=-4563/7641, 15-16=-3427/5902, 14-15=-3427/5902, 13-14=-4567/7648, 11-13=-5638/9349
WEBS 3-17=-1416/948, 5-17=-890/1495, 5-16=-2369/1545, 6-16=-1003/1626, 7-14=-1000/1621, 8-14=-2379/1551, 8-13=-893/1500, 10-13=-1412/946

NOTES (11-13)

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; 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
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1590, 11=1590.
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

Continued on page 2

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

May 13,2013

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

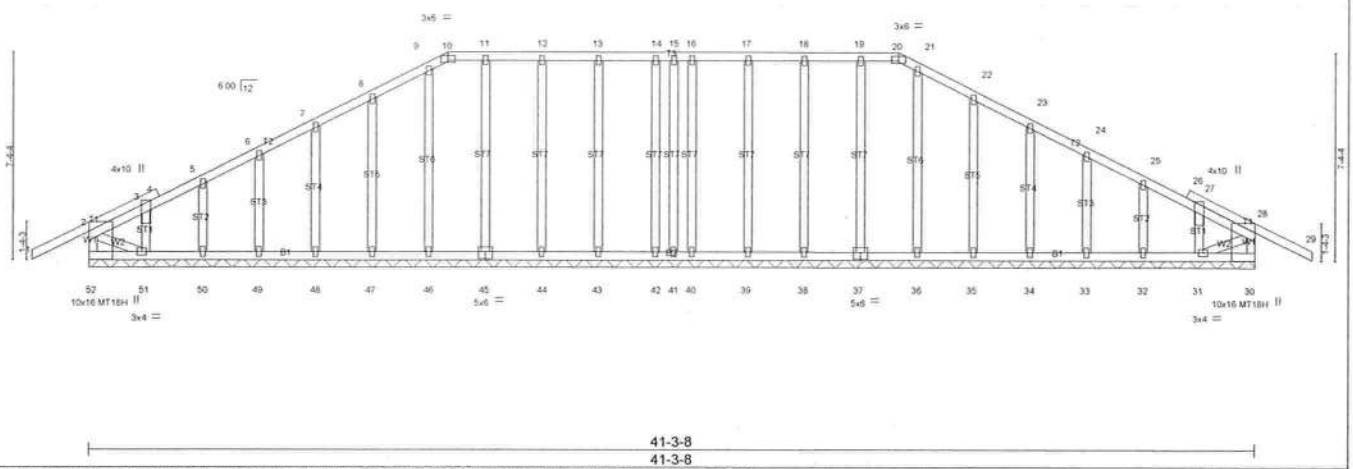
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728960
491346	T08G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:58:03 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-nUlHujbmYW8o8885SxHuSQaPH4GfFtCgDUn6t7zGxBo

-2-0-0	12-8-0	28-7-8	41-3-8	43-3-8
2-0-0	12-8-0	15-11-8	12-8-0	2-0-0

Scale = 1:76.9



41-3-8

41-3-8

Plate Offsets (X,Y): [10:0-3-0,0-2-0], [20:0-3-0,0-2-0], [30:Edge,0-3-8], [37:0-3-0,0-3-0], [45:0-3-0,0-3-0], [52:Edge,0-3-8]

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)	-0.03	29	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.05	29	n/r	120	MT18H	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.01	30	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 311 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, Except: 6-0-0 oc bracing: 51-52,30-31.

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

REACTIONS All bearings 41-3-8.

(lb) - Max Horz 52=-157(LC 17)

Max Uplift All uplift 100 lb or less at joint(s) 52, 30, 41, 32, 34, 36, 37, 38, 39, 40, 50, 48, 46, 45, 44, 43, 42 except 31=-131(LC 13), 33=-101(LC 13), 35=-116(LC 13), 51=-160(LC 12), 49=-102(LC 12), 47=-112(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 52, 30, 41, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42

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

NOTES (15-17)

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=24ft; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 52, 30, 41, 32, 34, 36, 37, 38, 39, 40, 50, 48, 46, 45, 44, 43, 42 except (jt=lb) 31=131, 33=101, 35=116, 51=160, 49=102, 47=112.
14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
15) 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.
16) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
17) 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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T10	Hip Truss	1	1	I6728962
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:58:08 2013 Page 1

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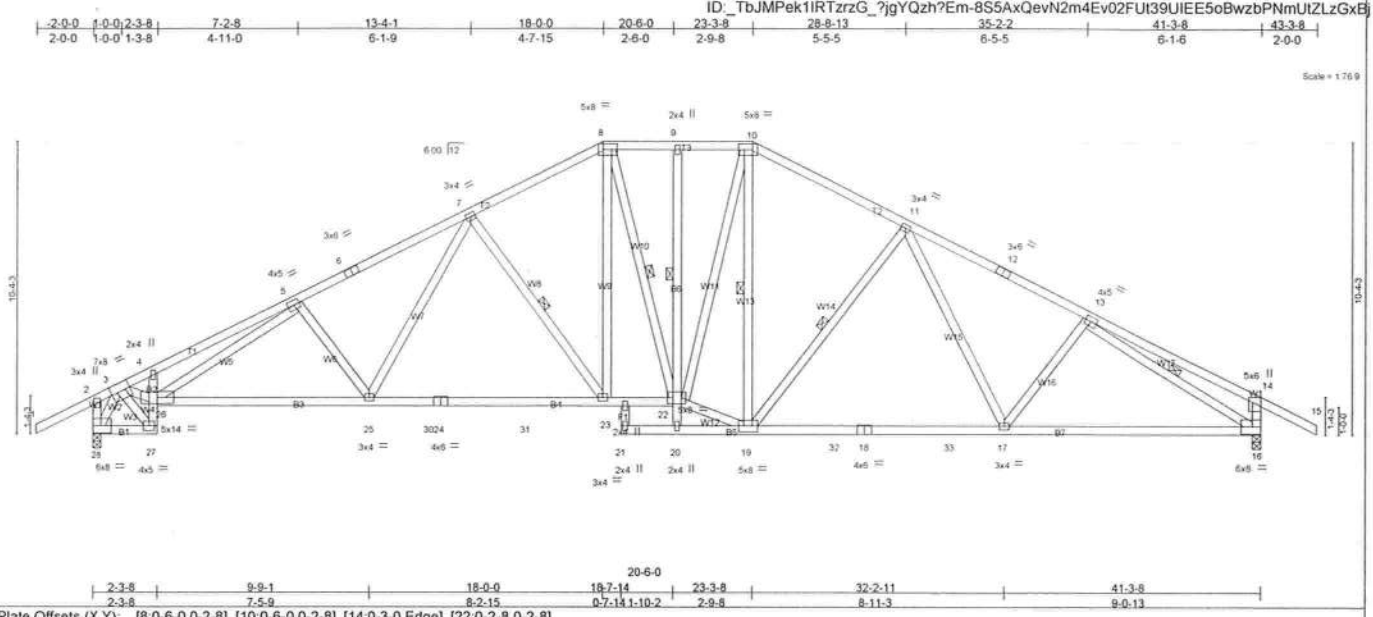

Plate Offsets (X,Y): [8:0-6-0,0-2-8], [10:0-6-0,0-2-8], [14:0-3-0,Edge], [22:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.30	17-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.50	17-19	>976	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.22	16	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 304 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2,B6: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-13 oc bracing. Except:
1 Row at midpt 9-22
6-0-0 oc bracing: 20-22
WEBS 1 Row at midpt 7-23, 8-22, 10-19, 11-19, 13-16

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

REACTIONS (lb/size) 28=1319/0-3-8 (min. 0-1-15), 16=1329/0-3-8 (min. 0-1-15)
Max Horz 28=-217(LC 10)
Max Uplift 28=-664(LC 12), 16=-664(LC 13)
Max Grav 28=1438(LC 2), 16=1437(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2659/1442, 4-5=-2903/1642, 5-6=-2694/1527, 6-7=-2632/1543, 7-8=-2063/1263, 8-9=-1823/1193, 9-10=-1821/1192, 10-11=-1887/1190, 11-12=-2216/1333, 12-13=-2279/1320, 2-28=-434/531, 14-16=-372/394
BOT CHORD 27-28=-369/677, 26-27=-321/601, 4-26=-277/263, 25-26=-1220/2523, 25-30=-881/2074, 24-30=-881/2074, 24-31=-881/2074, 23-31=-881/2074, 22-23=-597/1717, 19-32=-799/1855, 18-32=-799/1855, 18-33=-799/1855, 17-33=-799/1855, 16-17=-945/1966
WEBS 3-27=-743/408, 3-26=-1171/2374, 5-25=-358/357, 7-25=-268/501, 7-23=-632/498, 8-23=-362/687, 19-22=-544/1625, 10-22=-260/627, 11-19=-511/441, 3-28=-1433/687, 13-16=-2197/1170

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=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 28=664, 16=664.
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

May 13,2013

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

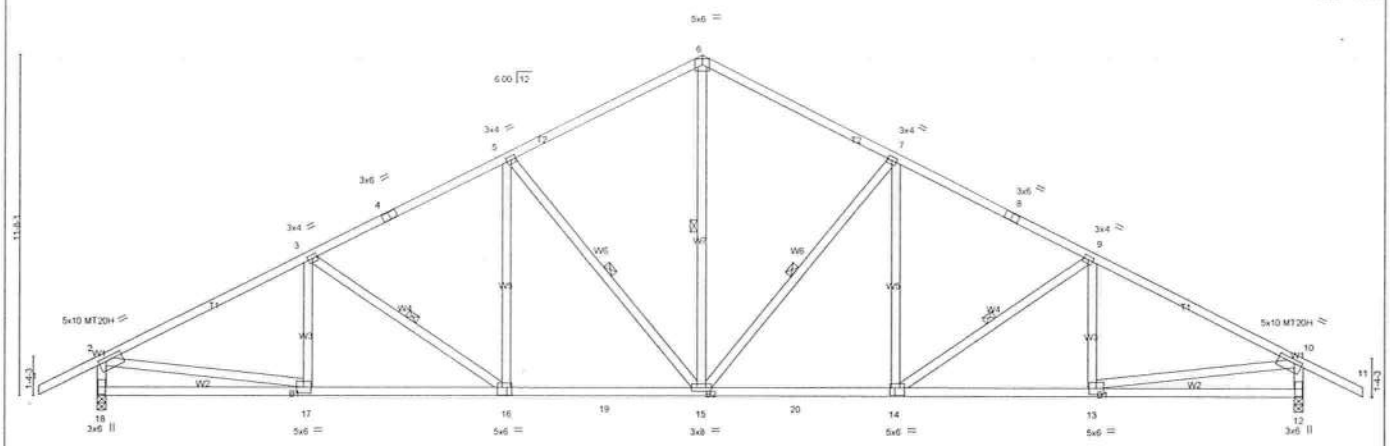
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T12	Common Truss	1	1	I6728964
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:58:12 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-0DLgnoiPRHGWjWKqUKy?JKSt_iDEsjA?INS4i6zGxBf

-2-0-0	7-2-10	13-11-12	20-7-12	27-3-12	34-0-14	41-3-8	43-3-8
2-0-0	7-2-10	6-9-2	6-8-0	6-8-0	6-9-2	7-2-10	2-0-0

Scale = 1:74.5



7-2-10	13-11-12	20-7-12	27-3-12	34-0-14	41-3-8
7-2-10	6-9-2	6-8-0	6-8-0	6-9-2	7-2-10

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [10:0-3-0,0-1-8], [14:0-2-0,0-3-4], [16:0-2-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.20	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.30	14-15	>999	180	MT20H	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.09	12	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 266 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 3-5-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-3 oc bracing.
WEBS 1 Row at midpt 6-15, 7-15, 9-14, 5-15, 3-16

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

REACTIONS (lb/size) 18=1303/0-3-8 (min. 0-1-15), 12=1303/0-3-8 (min. 0-1-15)
Max Horz 18=206(LC 11)
Max Uplift 18=-398(LC 12), 12=-398(LC 13)
Max Grav 18=1428(LC 2), 12=1428(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2273/1306, 3-4=-2130/1270, 4-5=-2010/1293, 5-6=-1731/1157, 6-7=-1731/1157, 7-8=-2010/1293, 8-9=-2130/1270, 9-10=-2273/1306, 2-18=-1587/1070, 10-12=-1587/1070
BOT CHORD 17-18=-203/280, 16-17=-981/1974, 16-19=-775/1801, 15-19=-775/1801, 15-20=-770/1801, 14-20=-770/1801, 13-14=-965/1975
WEBS 6-15=-730/1126, 7-15=-650/504, 7-14=-104/279, 9-14=-242/251, 5-15=-650/504, 5-16=-104/279, 3-16=-242/251, 2-17=-924/1773, 10-13=-925/1774

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=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates 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) 18=398, 12=398.
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

May 13,2013

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	WOODMAN PARK - MONTIQUE CT.
491346	T13	Common Truss	1	2	I6728965 Job Reference (optional)

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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, 2-19=-44, 6-20=-44, 6-21=-44, 10-11=-44, 16-18=-10, 16-22=-40, 22-23=-10, 14-23=-40, 12-14=-10

Trapezoidal Loads (plf)

Vert: 19=-209-to-20=-44, 21=-44-to-10=-347

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Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T15	Common Truss	3	1	I6728967
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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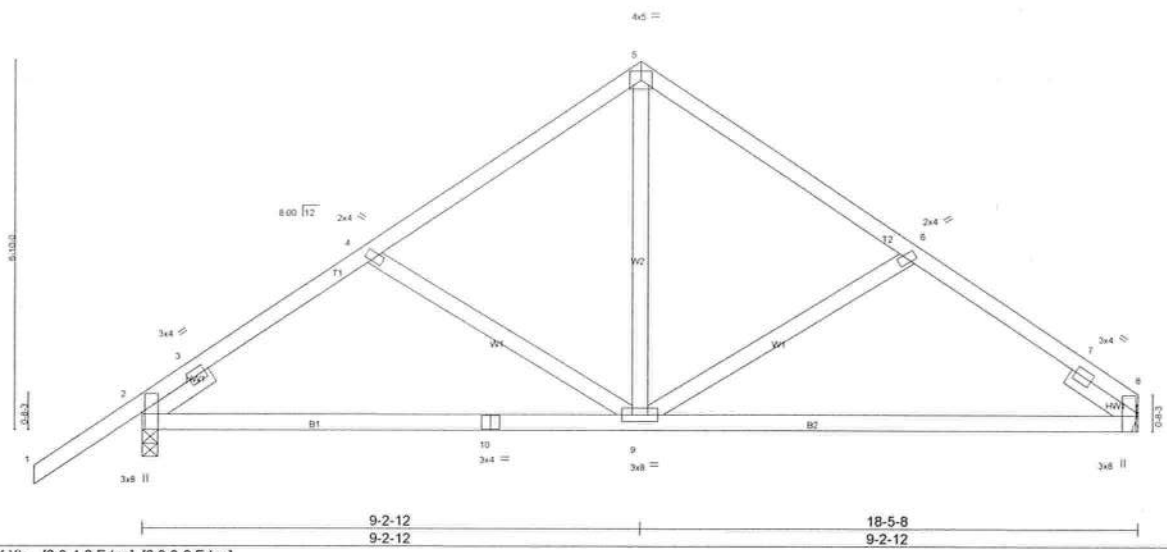

Plate Offsets (X,Y): [2:0-4-0,Edge], [8:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.10	9-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.17	9-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 95 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-10 oc bracing.

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

REACTIONS (lb/size) 8=494/Mechanical, 2=591/0-3-8 (min. 0-1-8)
Max Horz 2=233(LC 9)
Max Uplift 8=-265(LC 13), 2=-344(LC 12)
Max Grav 8=585(LC 2), 2=705(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-560/0, 3-4=-1016/449, 4-5=-814/373, 5-6=-815/374, 6-7=-977/459, 7-8=-600/126
BOT CHORD 2-10=-349/796, 9-10=-349/796, 8-9=-302/801
WEBS 5-9=-201/467, 6-9=-370/293, 4-9=-363/273

NOTES (8-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; 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 capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=265, 2=344.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869. Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T16	Special Truss	1	2	I6728968
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:58:20 2013 Page 2

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NOTES (12-14)

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 99 lb up at 4-9-0, 125 lb down and 99 lb up at 6-9-12, 125 lb down and 99 lb up at 8-9-12, 125 lb down and 99 lb up at 10-9-12, 125 lb down and 99 lb up at 12-9-12, and 125 lb down and 99 lb up at 14-9-12, and 125 lb down and 99 lb up at 16-9-12 on top chord, and 169 lb down and 94 lb up at 4-9-0, 49 lb down at 6-9-12, 49 lb down at 8-9-12, 49 lb down at 10-9-12, 49 lb down at 12-9-12, 49 lb down at 14-9-12, and 49 lb down at 16-9-12, and 973 lb down and 325 lb up at 17-9-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-44, 3-8=-44, 8-9=-44, 9-12=-44, 20-23=-10
   Concentrated Loads (lb)
   Vert: 3=-69(B) 6=-69(B) 19=-101(B) 4=-69(B) 18=-22(B) 16=-22(B) 26=-69(B) 27=-69(B) 28=-69(B) 29=-69(B) 30=-22(B) 31=-22(B) 32=-22(B) 33=-22(B) 34=-817(B)

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Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T18	Hip Truss	1	1	Job Reference (optional)

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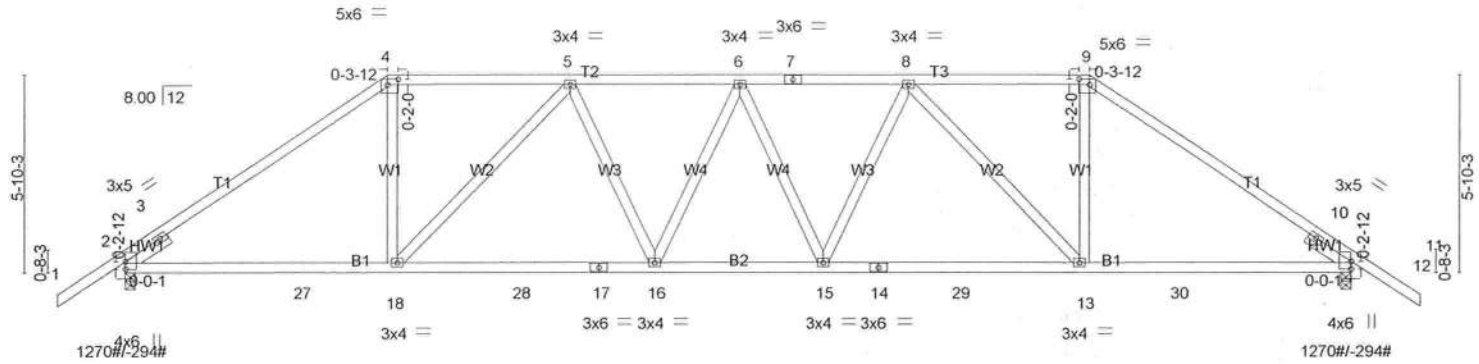
-2-0-0	7-9-0	13-1-10	18-1-14	23-2-2	28-6-12	36-3-12	38-3-12
2-0-0	7-9-0	5-4-10	5-0-4	5-0-4	5-4-10	7-9-0	2-0-0

Scale: 3/16"=1'



7-9-0	15-7-13	20-7-15	28-6-12	36-3-12
7-9-0	7-10-13	5-0-2	7-10-13	7-9-0

Plate Offsets (X,Y): [2:0-2-12,0-0-1], [4:0-3-12,0-2-0], [9:0-3-12,0-2-0], [11:0-2-12,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.19	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.35	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.11	11	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 197 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SYP M 31 *Except* T2,T3: 2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-8-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-15 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=1221/0-3-8 (min. 0-1-15), 11=1221/0-3-8 (min. 0-1-15)
Max Horz 2=-173(LC 10)
Max Uplift 2=-294(LC 9), 11=-294(LC 8)
Max Grav 2=1270(LC 2), 11=1270(LC 2)

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

TOP CHORD	2-3=-702/148, 3-4=-2091/948, 4-5=-1749/888, 5-6=-2342/1198, 6-7=-2342/1198, 7-8=-2342/1198, 8-9=-1749/888, 9-10=-2091/948, 10-11=-702/147
BOT CHORD	2-27=-561/1588, 18-27=-561/1588, 18-28=-855/2105, 17-28=-855/2105, 16-17=-855/2105, 15-16=-939/2279, 14-15=-859/2111, 14-29=-859/2111, 13-29=-859/2111, 13-30=-572/1605, 11-30=-572/1605
WEBS	4-18=-266/721, 5-18=-738/419, 5-16=-80/266, 8-15=-80/266, 8-13=-738/419, 9-13=-266/721

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=24ft; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 2 and 294 lb uplift at joint 11.
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)

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

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

May 13,2013

Continued on page 2

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1109 Coastal Bay
Boynton Beach,FL 33435

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-2=-69, 2-4=-74, 4-9=-56, 9-11=-74, 11-12=-19, 19-27=-10, 18-27=-40, 18-28=-10, 17-28=-40, 14-17=-10, 14-29=-40, 13-29=-10, 13-30=-40, 23-30=-10
Horz: 1-2=25, 2-4=30, 9-11=-30, 11-12=25

21) MWFRS Wind Left Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-51, 2-4=-56, 4-9=-28, 9-11=-36, 11-12=-31, 19-27=-10, 18-27=-40, 18-28=-10, 17-28=-40, 14-17=-10, 14-29=-40, 13-29=-10, 13-30=-40, 23-30=-10
Horz: 1-2=7, 2-4=12, 9-11=8, 11-12=13

22) MWFRS Wind Right Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-31, 2-4=-36, 4-9=-28, 9-11=-56, 11-12=-51, 19-27=-10, 18-27=-40, 18-28=-10, 17-28=-40, 14-17=-10, 14-29=-40, 13-29=-10, 13-30=-40, 23-30=-10
Horz: 1-2=-13, 2-4=-8, 9-11=-12, 11-12=-7

23) MWFRS 1st Wind Parallel Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-23, 2-4=-28, 4-9=-38, 9-11=-38, 11-12=-33, 19-27=-10, 18-27=-40, 18-28=-10, 17-28=-40, 14-17=-10, 14-29=-40, 13-29=-10, 13-30=-40, 23-30=-10
Horz: 1-2=-21, 2-4=-16, 9-11=6, 11-12=11

24) MWFRS 2nd Wind Parallel Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-33, 2-4=-38, 4-9=-38, 9-11=-28, 11-12=-23, 19-27=-10, 18-27=-40, 18-28=-10, 17-28=-40, 14-17=-10, 14-29=-40, 13-29=-10, 13-30=-40, 23-30=-10
Horz: 1-2=-11, 2-4=-6, 9-11=16, 11-12=21

25) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 4-9=-44, 9-12=-14, 19-27=-10, 18-27=-40, 18-28=-10, 17-28=-40, 14-17=-10, 14-29=-40, 13-29=-10, 13-30=-40, 23-30=-10

26) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-9=-44, 9-12=-44, 19-27=-10, 18-27=-40, 18-28=-10, 17-28=-40, 14-17=-10, 14-29=-40, 13-29=-10, 13-30=-40, 23-30=-10

27) 3rd unbalanced Regular Only: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-9=-54, 9-12=-14, 19-23=-10

28) 4th unbalanced Regular Only: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-9=-54, 9-12=-54, 19-23=-10

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728972
491346	T20	Hip Truss	1	1	Job Reference (optional)	

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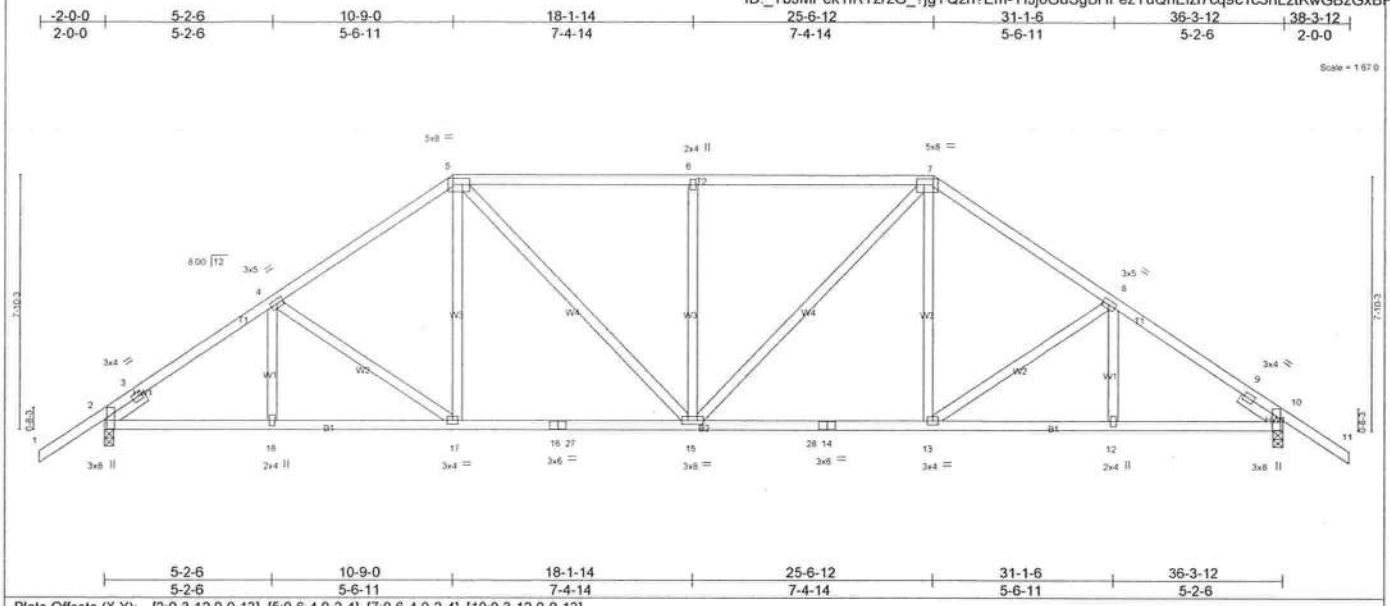

Plate Offsets (X,Y): [2:0-3-12,0-0-13], [5:0-6-4,0-2-4], [7:0-6-4,0-2-4], [10:0-3-12,0-0-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	-0.14	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.26	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.10	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 219 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-12 oc bracing.

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

REACTIONS (lb/size) 2=1175/0-3-8 (min. 0-1-15), 10=1175/0-3-8 (min. 0-1-15)
Max Horz 2=-226(LC 10)
Max Uplift 2=-304(LC 12), 10=-304(LC 13)
Max Grav 2=1270(LC 2), 10=1270(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-996/274, 3-4=-2184/957, 4-5=-1957/928, 5-6=-1911/1005, 6-7=-1911/1005, 7-8=-1957/928, 8-9=-2184/957, 9-10=-996/273
BOT CHORD 2-18=-615/1712, 17-18=-615/1712, 16-17=-440/1439, 16-27=-440/1439, 15-27=-440/1439, 15-28=-444/1444, 14-28=-444/1444, 13-14=-444/1444, 12-13=-635/1742, 10-12=-635/1742
WEBS 4-17=-377/232, 5-17=-99/378, 5-15=-226/458, 6-15=-459/369, 7-15=-226/458, 7-13=-99/378, 8-13=-377/232

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=24ft; 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=304, 10=304.
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

May 13,2013

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1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T21	HIP TRUSS	1	3	I6728973 Job Reference (optional)

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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
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-44, 3-4=-44, 4-5=-44, 5-10=-44, 10-12=-44, 21-24=-10
Concentrated Loads (lb)
Vert: 15=-247(F) 27=-611(F) 28=-247(F) 29=-247(F) 30=-247(F) 31=-247(F) 32=-247(F) 33=-247(F) 34=-247(F)

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728975
491346	T23	SPECIAL TRUSS	1	1	Job Reference (optional)	

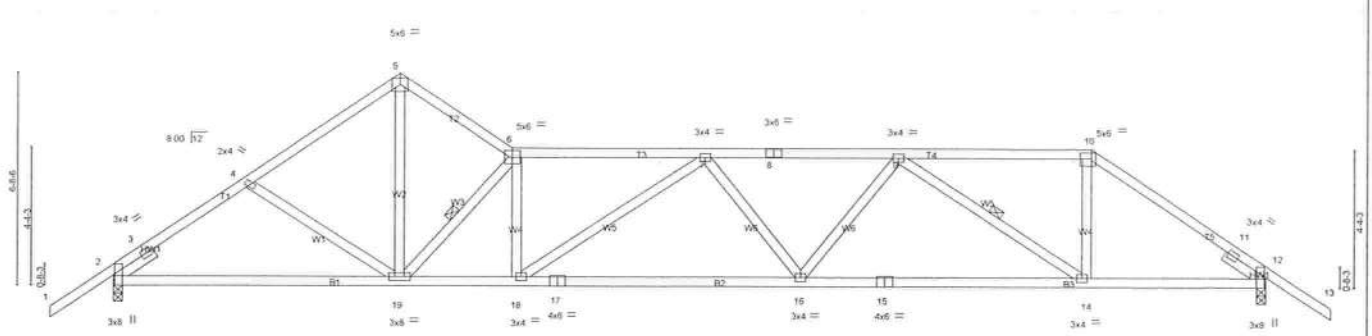
Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:58:35 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-reENcfzr0LAF_2aEKfsOlAvoGz_xlBpNaSXo0HzGxEI

-2-0-0	4-3-4	9-0-4	12-6-8	18-7-9	24-8-11	30-9-12	36-3-12	38-3-12
2-0-0	4-3-4	4-9-0	3-6-4	6-1-1	6-1-1	6-1-1	5-6-0	2-0-0

Scale = 1:68.5



9-0-4	12-6-8	21-8-2	30-9-12	36-3-12
9-0-4	3-6-4	9-1-10	9-1-10	5-6-0

Plate Offsets (X,Y): [2:0-4-0,Edge], [10:0-4-4,0-2-4], [12:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	0.31	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.54	16-18	>809	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.14	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 197 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-11-10 oc bracing.
WEBS 1 Row at midpt 6-19, 9-14

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

REACTIONS (lb/size) 2=1068/0-3-8 (min. 0-1-13), 12=1068/0-3-8 (min. 0-1-12)
Max Horz 2=-194(LC 10)
Max Uplift 2=-308(LC 13), 12=-411(LC 13)
Max Grav 2=1270(LC 2), 12=1270(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-868/140, 3-4=-2036/989, 4-5=-1848/935, 5-6=-1836/953, 6-7=-2749/1437, 7-8=-2799/1507, 8-9=-2799/1507, 9-10=-1589/873, 10-11=-1897/966, 11-12=-689/189
BOT CHORD 2-19=-641/1593, 18-19=-1192/2654, 17-18=-1389/2879, 16-17=-1389/2879, 15-16=-1198/2485, 14-15=-1198/2485, 12-14=-626/1483
WEBS 4-19=-279/193, 5-19=-855/1652, 6-19=-1945/1067, 6-18=-106/280, 7-18=-383/234, 7-16=-273/200, 9-16=-130/400, 9-14=-1200/691, 10-14=-329/725

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=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=308, 12=411.
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

May 13,2013

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	WOODMAN PARK - MONTIQUE CT.
491346	T25	Hip Truss	1	1	I6728977

Builders FirstSource, Lake City, FL 32055

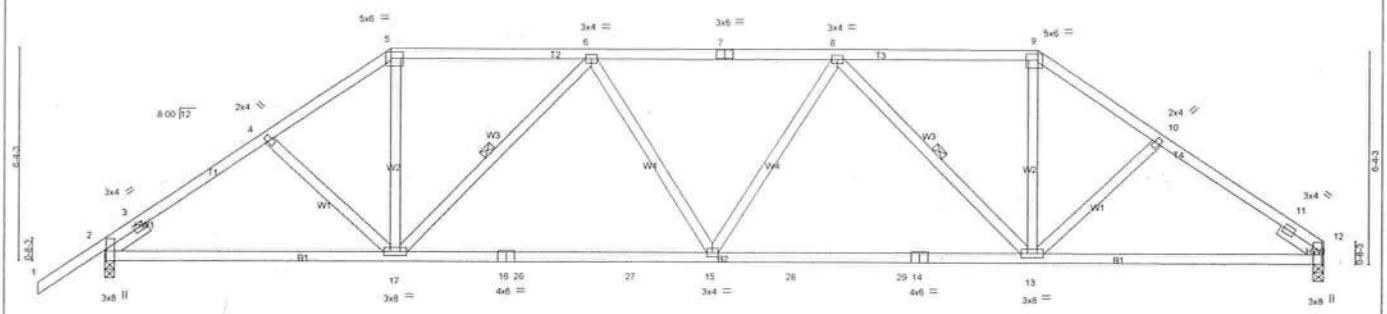
Job Reference (optional)

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:58:39 2013 Page 1

ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-jPTuS10L4aghSgu0ZVxKv04VjaM4h6IzV4V092zGxBE

-2-0-0	4-11-0	8-6-0	14-5-14	21-9-14	27-9-12	31-4-12	36-3-12
2-0-0	4-11-0	3-7-0	5-11-14	7-4-0	5-11-14	3-7-0	4-11-0

Scale = 1:64.9



8-6-0	18-1-14	27-9-12	36-3-12
8-6-0	9-7-14	9-7-14	8-6-0

Plate Offsets (X,Y): [2:0-4-0,Edge], [5:0-4-4,0-2-4], [9:0-4-4,0-2-4], [12:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.26	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.46	15-17	>943	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.11	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 198 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-15 oc bracing.
WEBS 1 Row at midpt 6-17, 8-13

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

REACTIONS (lb/size) 12=1077/0-3-8 (min. 0-1-11), 2=1170/0-3-8 (min. 0-1-14)
Max Horz 2=174(LC 9)
Max Uplift 12=-260(LC 8), 2=-286(LC 12)
Max Grav 12=1159(LC 2), 2=1273(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-783/150, 3-4=-2123/994, 4-5=-1976/972, 5-6=-1663/870, 6-7=-2235/1138, 7-8=-2235/1138, 8-9=-1666/878, 9-10=-1980/983, 10-11=-2128/1010, 11-12=-837/283
BOT CHORD 2-17=-712/1645, 16-17=-875/1989, 16-26=-875/1989, 26-27=-875/1989, 15-27=-875/1989, 15-28=-878/1990, 28-29=-878/1990, 14-29=-878/1990, 13-14=-878/1990, 12-13=-731/1651
WEBS 4-17=-250/174, 5-17=-348/792, 6-17=-724/411, 8-13=-716/401, 9-13=-358/795

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=24ft; 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) 12=260, 2=286.
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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T27	Hip Truss	1	1	I6728979

Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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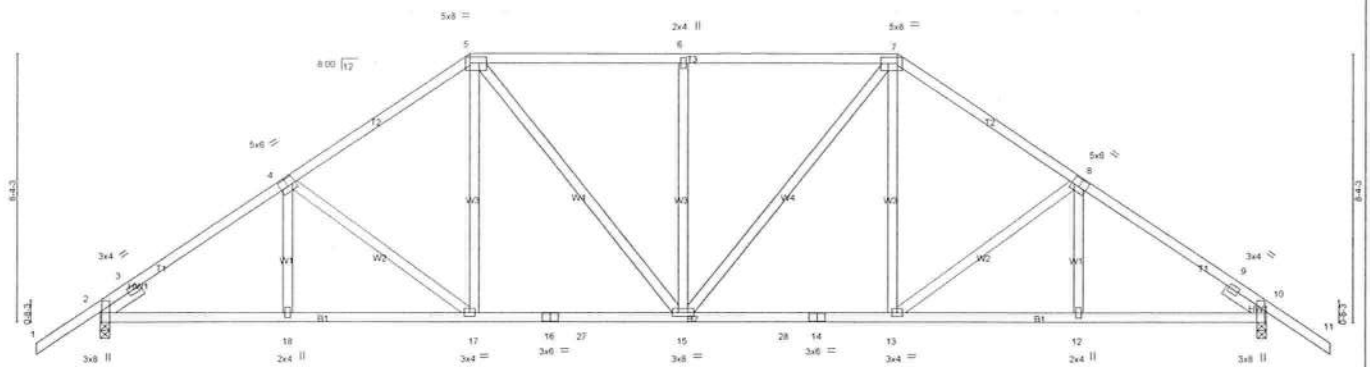
ID:_TbJMPek1IRTzrzG_?jgYQzh?Em-cBjOIO4s7oA6xHCnoL?G4sEAeCIsdsIZQiTDIpzGxBA

-2-0-0	5-10-0	11-6-0	18-1-14	24-9-12	30-5-12	36-3-12	38-3-12
2-0-0	5-10-0	5-8-1	6-7-14	6-7-14	5-8-1	5-10-0	2-0-0

Scale = 1:67.7



5-10-0	11-6-0	18-1-14	24-9-12	30-5-12	36-3-12
5-10-0	5-8-1	6-7-14	6-7-14	5-8-1	5-10-0

Plate Offsets (X,Y): [2:0-4-0,Edge], [4:0-3-0,0-3-0], [5:0-6-4,0-2-4], [7:0-6-4,0-2-4], [8:0-3-0,0-3-0], [10:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	0.13	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.23	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.10	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 224 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-6 oc bracing.

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

REACTIONS (lb/size) 2=1170/0-3-8 (min. 0-1-15), 10=1170/0-3-8 (min. 0-1-15)
Max Horz 2=-239(LC 10)
Max Uplift2=-309(LC 12), 10=-309(LC 13)
Max Grav 2=1270(LC 2), 10=1270(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-945/220, 3-4=-2196/953, 4-5=-1931/917, 5-6=-1816/956, 6-7=-1816/956, 7-8=-1931/917, 8-9=-2195/953, 9-10=-944/219
BOT CHORD 2-18=-605/1716, 17-18=-604/1716, 16-17=-407/1399, 16-27=-407/1399, 15-27=-407/1399, 15-28=-410/1404, 14-28=-410/1404, 13-14=-410/1404, 12-13=-622/1743, 10-12=-623/1743
WEBS 4-17=-426/263, 5-17=-123/406, 5-15=-207/398, 6-15=-409/326, 7-15=-207/398, 7-13=-123/406, 8-13=-425/263

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=24ft; 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=309, 10=309.
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

May 13,2013

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.
491346	T28	Hip Truss	1	1	I6728980
					Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 4-7=-44, 7-9=-44, 14-18=-10
Concentrated Loads (lb)
Vert: 4=-35(F) 7=-65(F) 13=-21(F) 11=-13(F) 10=-21(F) 22=-35(F) 23=-35(F) 24=-35(F) 25=-35(F) 26=-35(F) 27=-13(F) 28=-13(F) 29=-13(F) 30=-13(F)

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

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - MONTIQUE CT.	I6728982
491346	T30	Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon May 13 10:58:47 2013 Page 1

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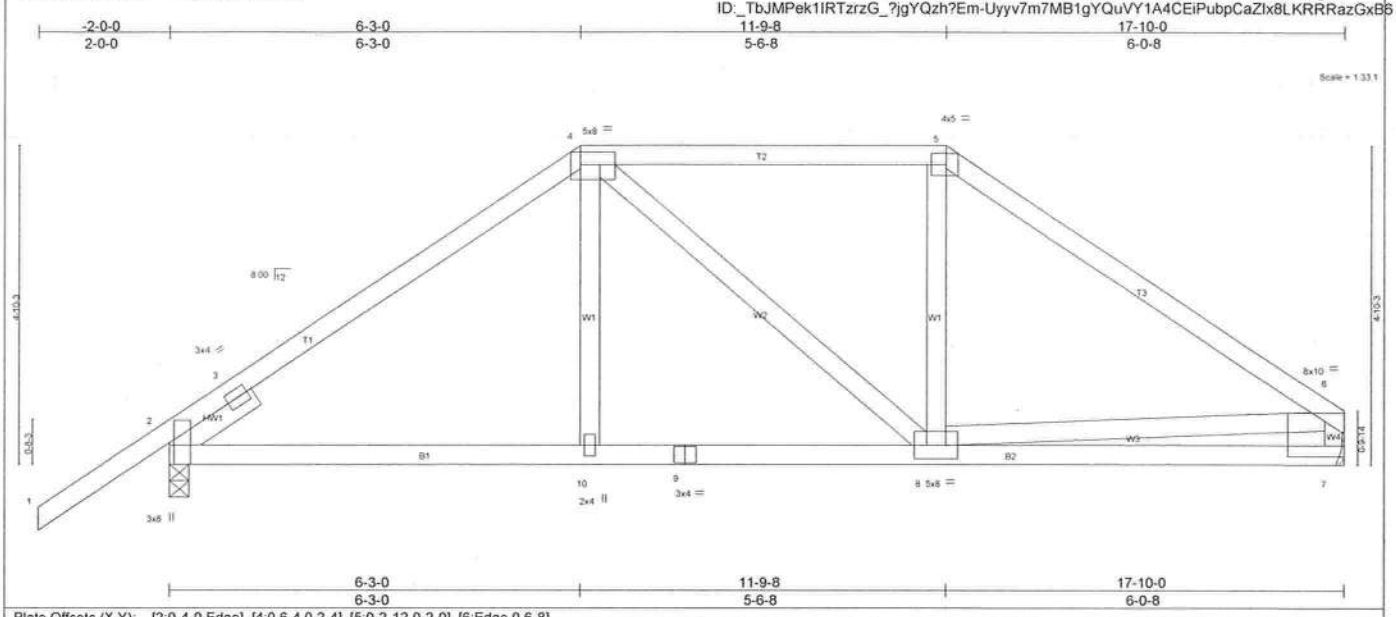

	6-3-0	11-9-8	17-10-0
	6-3-0	5-6-8	6-0-8

Plate Offsets (X,Y): [2:0-4-0,Edge], [4:0-6-4,0-2-4], [5:0-2-12,0-2-0], [6:Edge,0-6-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.08	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.10	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.03	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 95 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=571/0-3-8 (min. 0-1-8), 7=473/Mechanical
Max Horz 2=134(LC 9)
Max Uplift2=-177(LC 12), 7=-130(LC 13)
Max Grav 2=680(LC 2), 7=560(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-319/112, 3-4=-836/396, 4-5=-676/396, 5-6=-814/378, 6-7=-660/327
BOT CHORD 2-10=-212/578, 9-10=-212/581, 8-9=-212/581, 7-8=-177/317
WEBS 6-8=-122/320

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=177, 7=130.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

May 13,2013

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

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

MiTek Industries, Inc.

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

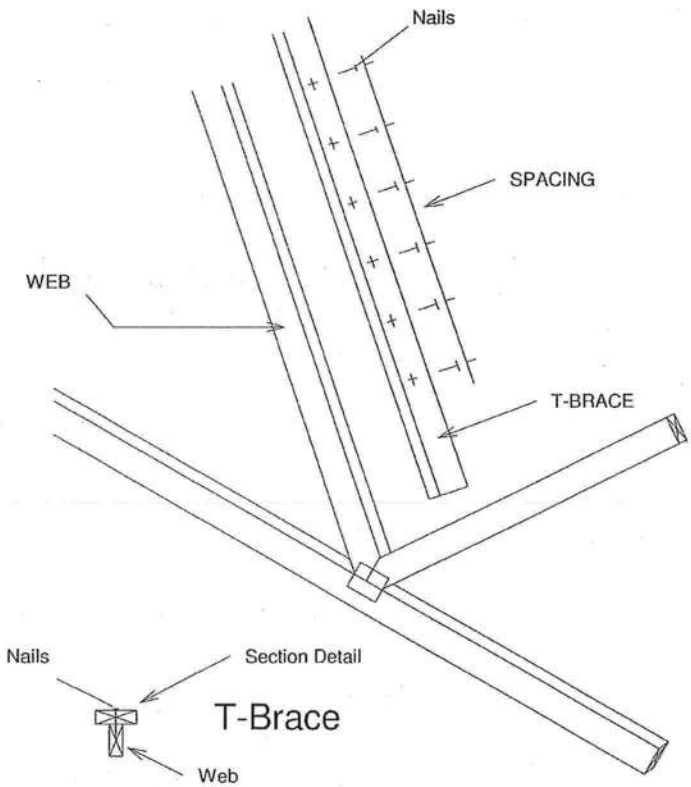
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

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

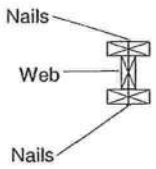
	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

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

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



T-Brace



I-Brace

1109 COASTAL BAY
BOYNTON BC, FL 33435

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

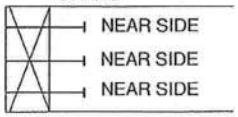
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

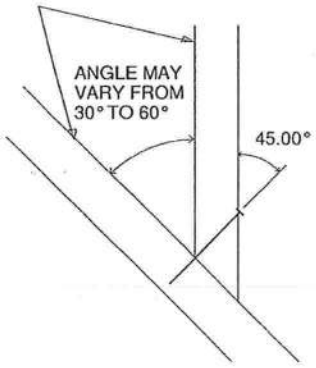
SIDE VIEW

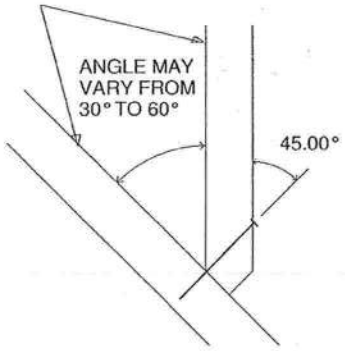
3 NAILS

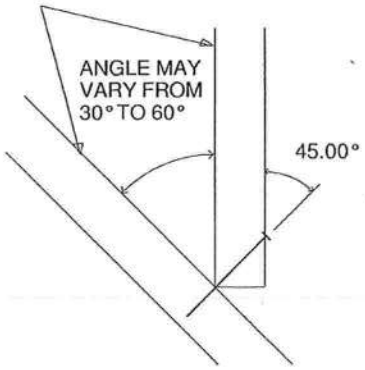


EXAMPLE:
(3) - 16d NAILS (.162" diam. x 3.5") WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity







JULIUS S.K. LEE LICENSE No 34869 6/22/11 STATE OF FLORIDA PROFESSIONAL ENGINEER

1109 COASTAL BAY
BOYNTON BC, FL 33435

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

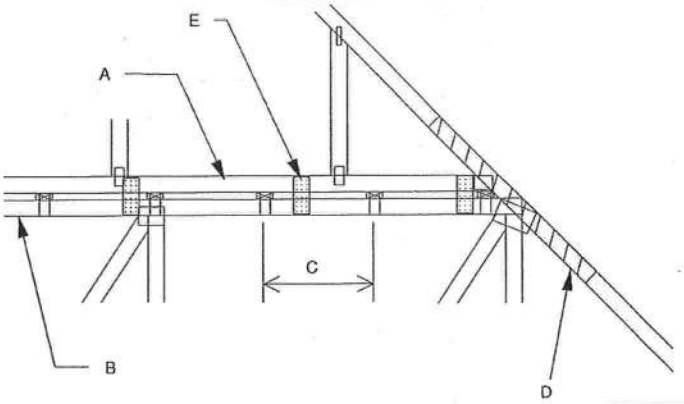
MiTek Industries, Chesterfield, MO

MiTek Industries, Inc.

MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E MAX MEAN ROOF HEIGHT = 30 FEET MAX TRUSS SPACING = 24 " O.C. CATEGORY II BUILDING EXPOSURE B or C ASCE 7-10 DURATION OF LOAD INCREASE : 1.60
DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED.

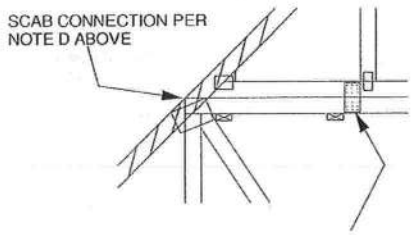
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5" TOE NAILED.
B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) 0.131" X 3.5" NAILS EACH.
D - 2 X___ X 4'-0" SCAB, SIZE AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF 0.131" X 3" NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)

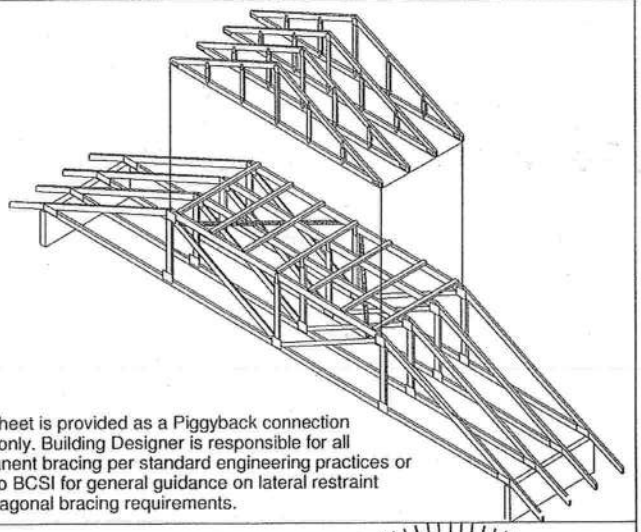


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

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

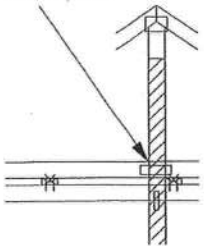


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



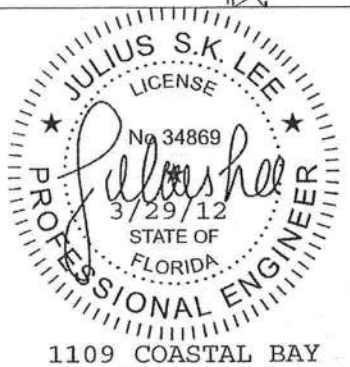
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

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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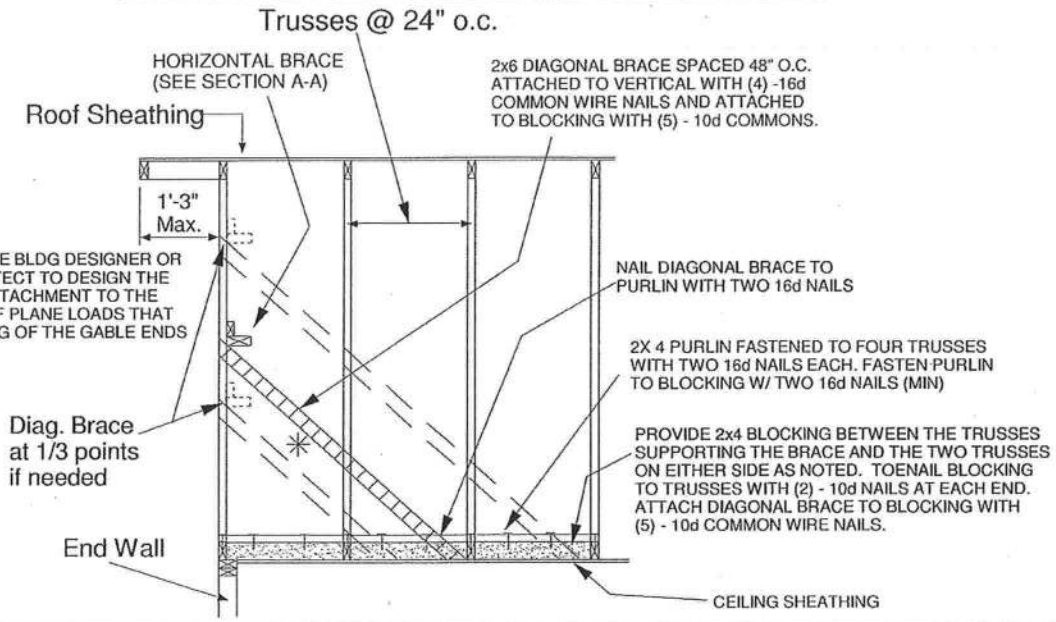
FEBRUARY 14, 2012	Standard Gable End Detail	SHEET 2

MiTek Industries, Inc.

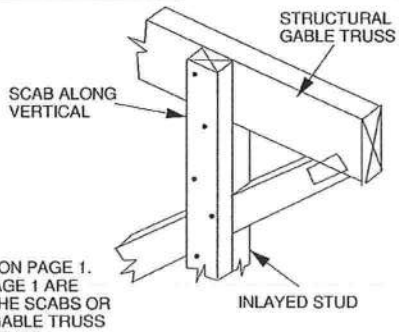
ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



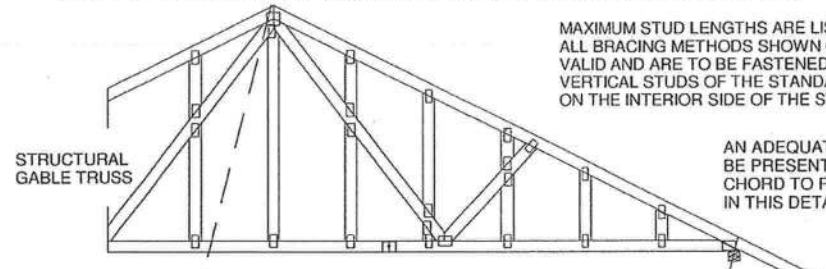
BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

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)

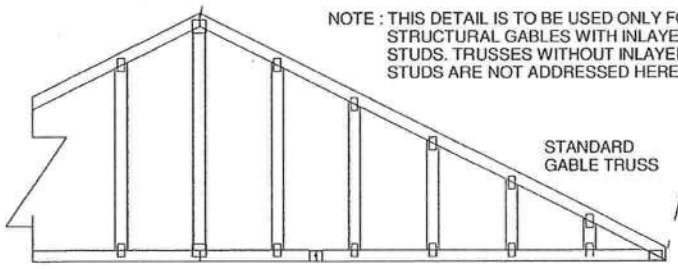


MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1. ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



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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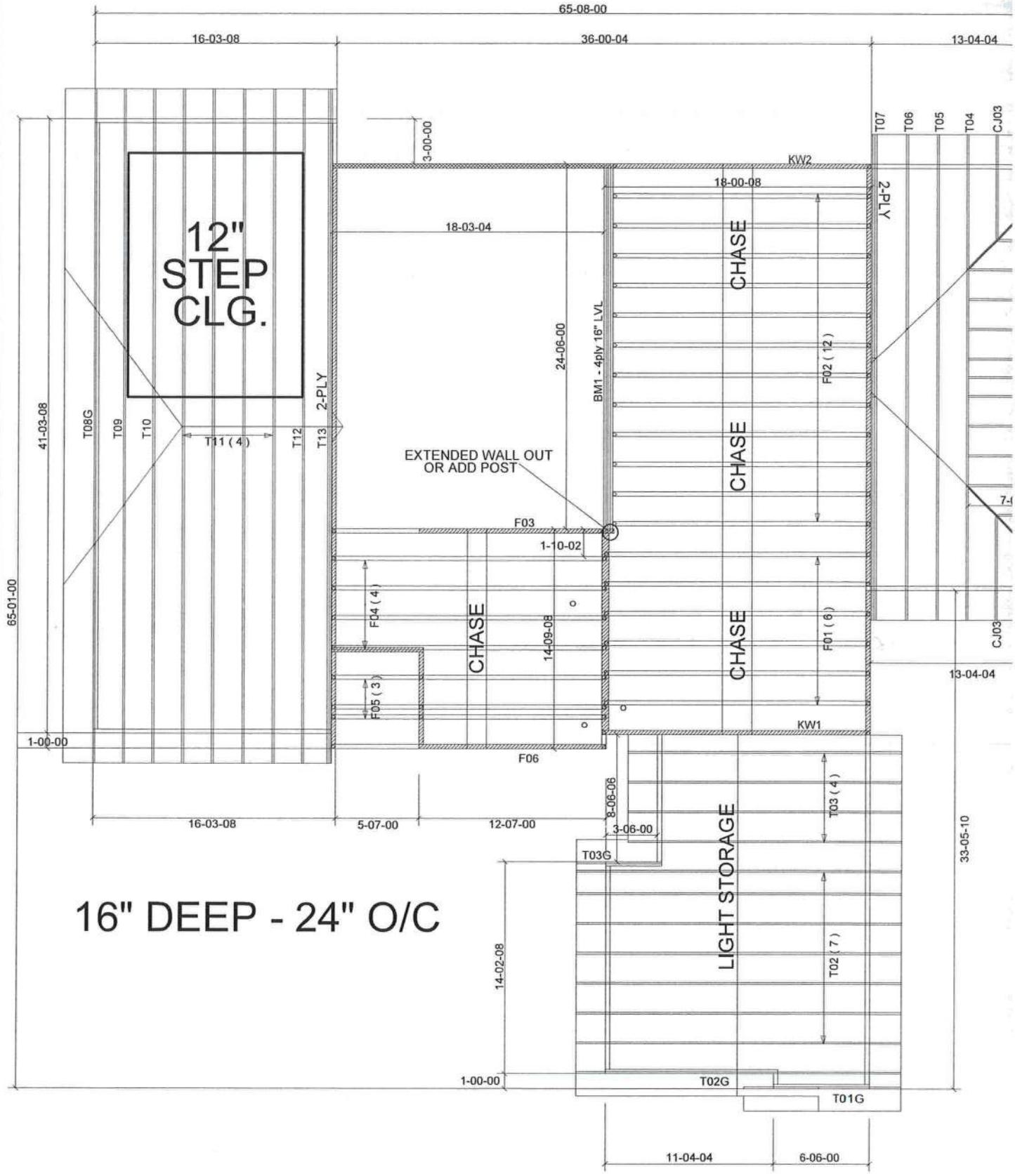
5/12 - 6/12 - 8/12



MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYER