COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

JULIUS LEE PE.

RE: 567855 - McCarty Res.

1109 COASTAL BAY BLVD, BOYNTON BEACH, FL 33435

Site Information:
Project Customer MCCARTY RES Project Name 567855 Model Custom
Lot/Block: Subdivision:
Address: TBD
City Columbia Cty State FL

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

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

Design Code: FBC2010/TPI2007 Design Program: MiTek 20/20 7.3
Wind Code: ASCE 7-10 Wind Speed: 130 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 55 individual, dated Truss Design Drawings and 0 Additional Drawings
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31 003, section 5 of the Florida Board of Professional Engineers Rules
This document processed per section 16G15-23 003 of the Florida Board of Professionals Rules

In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.

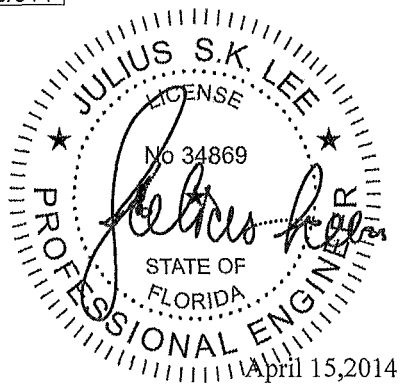
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I8079208	CJ01	4/15/014	18	I8079225	HJ01	4/15/014
2	I8079209	CJ02	4/15/014	19	I8079226	HJ02	4/15/014
3	I8079210	CJ03	4/15/014	20	I8079227	HJ03	4/15/014
4	I8079211	CJ04	4/15/014	21	I8079228	HJ04	4/15/014
5	I8079212	CJ05	4/15/014	22	I8079229	HJ05	4/15/014
6	I8079213	CJ06	4/15/014	23	I8079230	HJ06	4/15/014
7	I8079214	CJ07	4/15/014	24	I8079231	T01	4/15/014
8	I8079215	CJ08	4/15/014	25	I8079232	T01G	4/15/014
9	I8079216	CJ09	4/15/014	26	I8079233	T02	4/15/014
10	I8079217	CJ10	4/15/014	27	I8079234	T02G	4/15/014
11	I8079218	CJ11	4/15/014	28	I8079235	T03	4/15/014
12	I8079219	CJ12	4/15/014	29	I8079236	T04	4/15/014
13	I8079220	CJ13	4/15/014	30	I8079237	T05	4/15/014
14	I8079221	EJ01	4/15/014	31	I8079238	T06	4/15/014
15	I8079222	EJ02	4/15/014	32	I8079239	T07	4/15/014
16	I8079223	EJ03	4/15/014	33	I8079240	T08	4/15/014
17	I8079224	EJ04	4/15/014	34	I8079241	T09	4/15/014

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.



April 15,2014
Julius Lee

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	CJ01	Jack-Open Truss	4	1	I8079208
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:48:47 2014 Page 1

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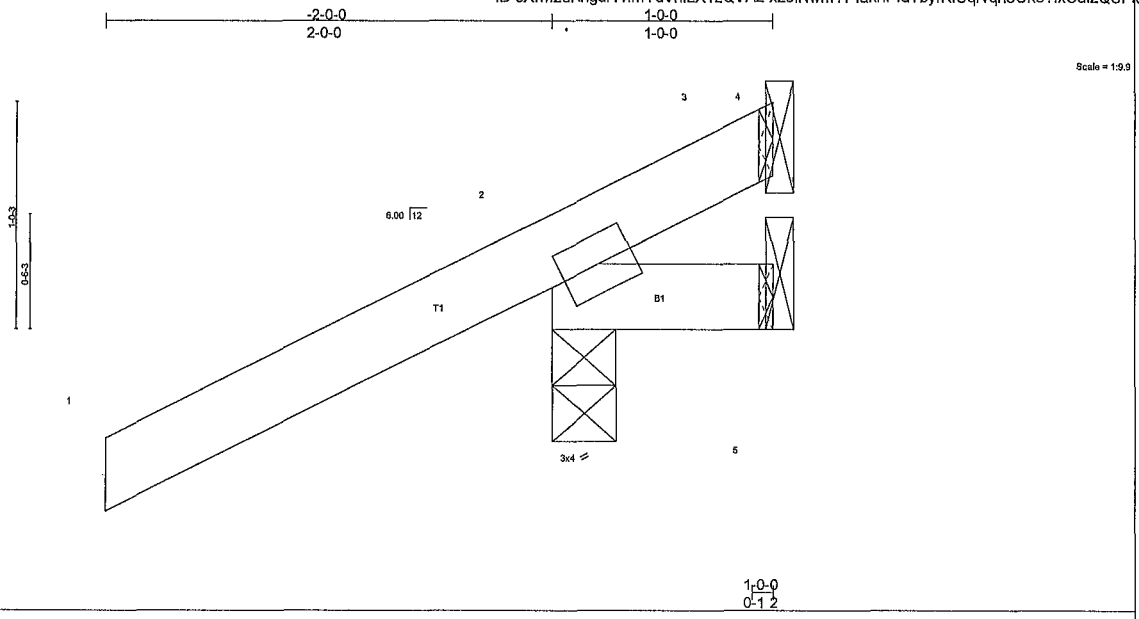


Plate Offsets (X,Y), [2:0-0-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.00	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.00	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 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

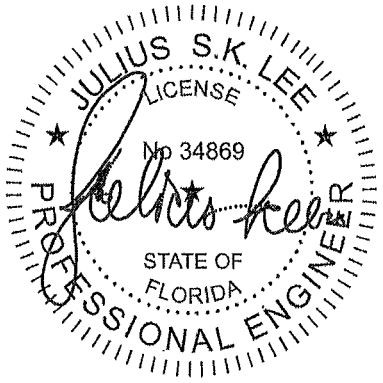
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=206/0-3-8 (min. 0-1-8) 5=-36/Mechanical 3=-30/Mechanical
Max Horz 2=67(LC 12)
Max Uplift 2=-153(LC 12) 5=-45(LC 2) 3=-38(LC 2)
Max Grav 2=252(LC 2) 5=35(LC 12) 3=24(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-288/199

NOTES (7-9)
1) Wind. ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C, Encl GCpl=0.18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2, 45 lb uplift at joint 5 and 38 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



April 15,2014

⚠ *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	McCarty Res.
567855	CJ03	Jack-Open Truss	4	1	I8079210
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13.48 50 2014 Page 1

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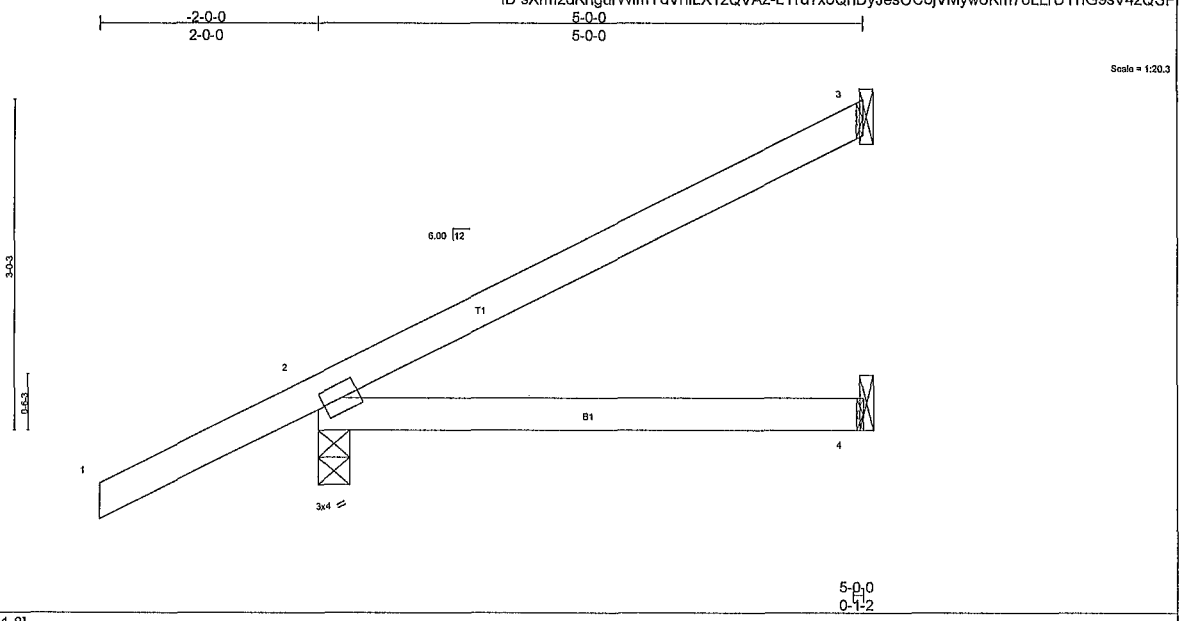


Plate Offsets (X,Y) [2:0-0-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0 12	4-7	>508	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.35	Vert(TL)	0 10	4-7	>578	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 00	Horz(TL)	-0 02	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

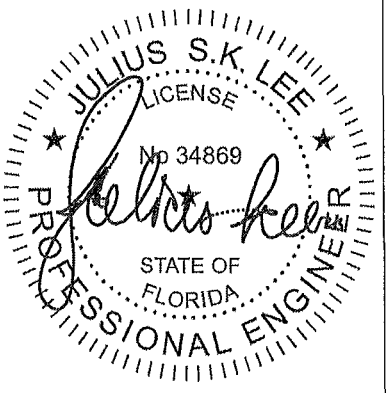
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=88/Mechanical 2=239/0-3-8 (min. 0-1-8) 4=28/Mechanical
Max Horz 2=162(LC 12)
Max Uplift3=-104(LC 12) 2=-132(LC 12) 4=-45(LC 9)
Max Grav 3=107(LC 2) 2=288(LC 2) 4=66(LC 3)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-356/323

NOTES (7 9)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf· h=18ft; Cat. II Exp C, Encl GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone· porch left and right exposed·C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 3, 132 lb uplift at joint 2 and 45 lb uplift at joint 4.
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer· Julius Lee PE: Florida P E License No 34869· Address 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 15,2014

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	McCarty Res.
567855	CJ05	Jack-Open Truss	1	1	I8079212
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13.48.52 2014 Page 1

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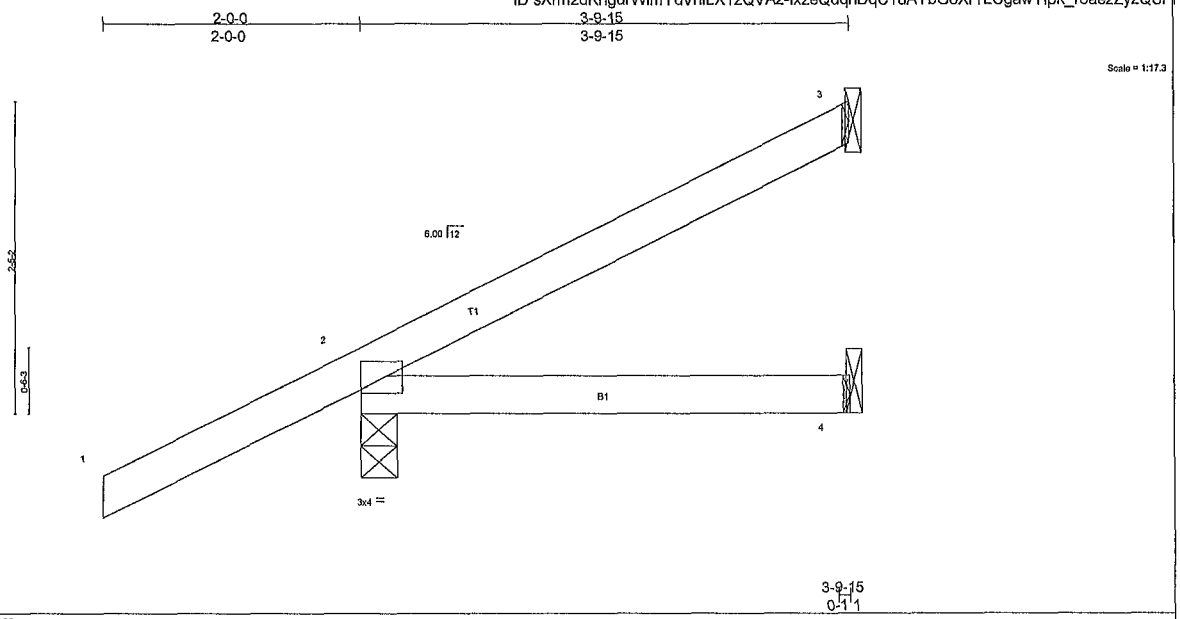

Plate Offsets (X,Y). [2:0-0-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.32	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	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 16 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

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

REACTIONS (lb/size) 3=62/Mechanical 2=213/0-3-8 (min. 0-1-8) 4=16/Mechanical
Max Horz 2=133(LC 12)
Max Uplift3=-75(LC 12) 2=-124(LC 12)
Max Grav 3=75(LC 2) 2=257(LC 2) 4=49(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-416/259

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl GCpl=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 75 lb uplift at joint 3 and 124 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

April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	CJ07	Jack-Open Truss	1	1	I8079214
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13.48.54 2014 Page 1

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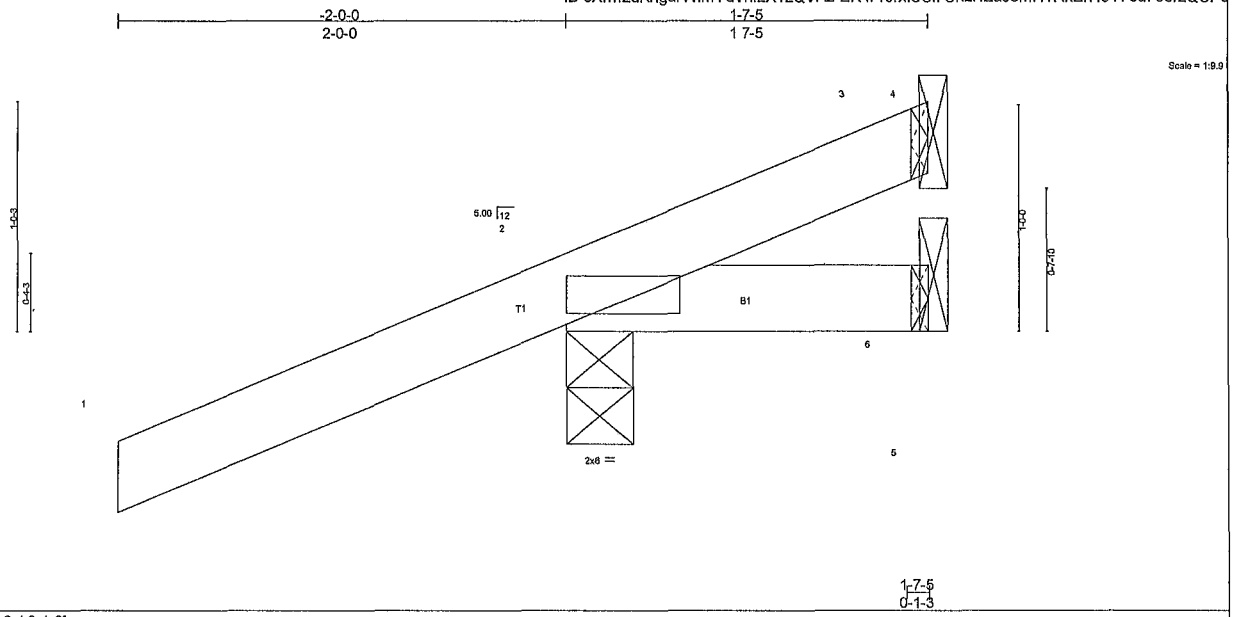


Plate Offsets (X,Y) [2.0-2-4,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.00	9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.06	Vert(TL)	0 00	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0 00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 8 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 7-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

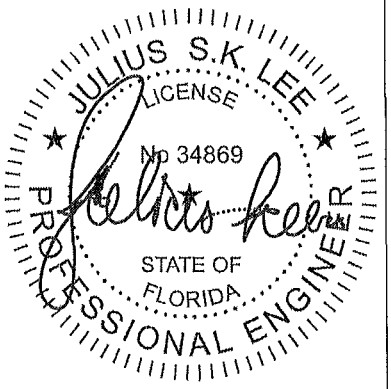
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=172/0-3-8 (min. 0-1-8) 3=8/Mechanical 6=-7/Mechanical
Max Horz 2=68(LC 12)
Max Uplift2=-141(LC 8) 3=-15(LC 12) 6=-10(LC 2)
Max Grav 2=210(LC 2), 3=8(LC 2) 6=22(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=18ft; Cat. II Exp C Encl GCpi=0 18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 2 15 lb uplift at joint 3 and 10 lb uplift at joint 6.
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee PE. Florida P E. License No. 34869; Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 15,2014

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	CJ09	Jack-Open Truss	1	1	I8079216
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:48:57 2014 Page 1

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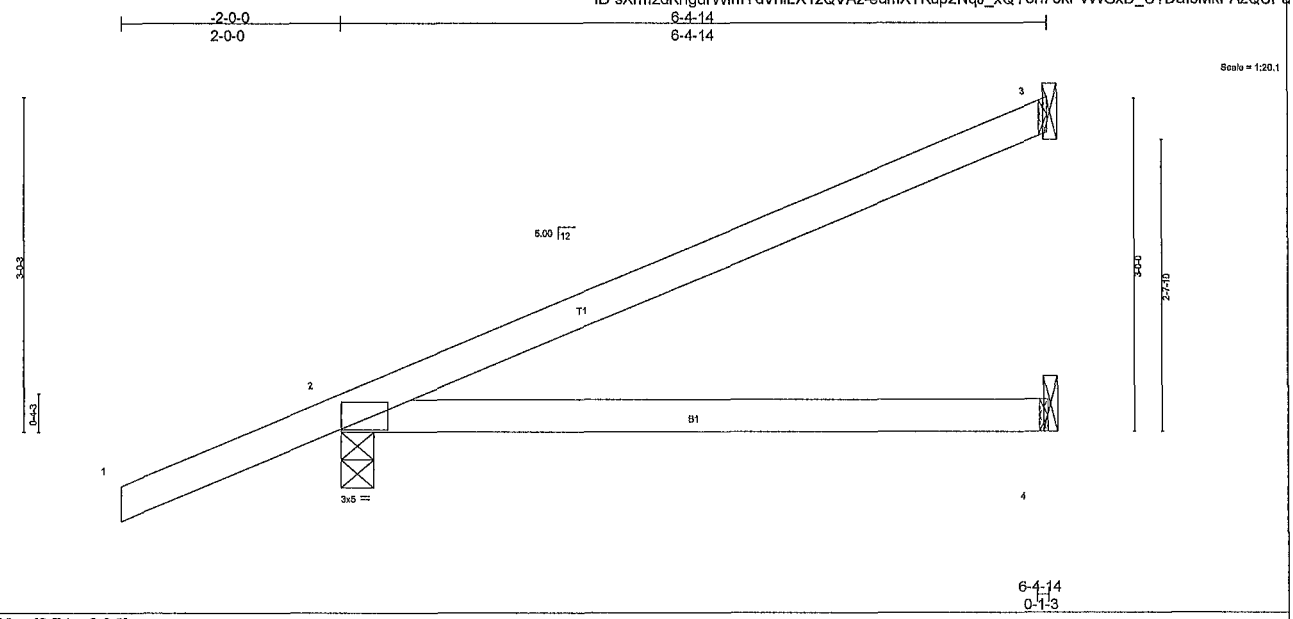


Plate Offsets (X,Y). [2.Edge,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0 08	4-7	>943	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: 23 lb	FT = 20%

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

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

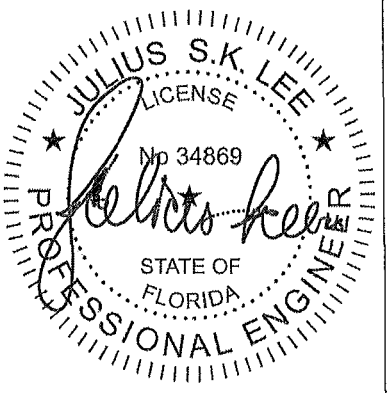
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=103/Mechanical 2=297/0-3-8 (min 0-1-8) 4=30/Mechanical
Max Horz 2=163(LC 12)
Max Uplift3=-112(LC 12) 2=-178(LC 12)
Max Grav 3=126(LC 2) 2=356(LC 2) 4=73(LC 3)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-733/414
BOT CHORD 2-4=-712/984

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C, Encl GCpi=0 18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 3 and 178 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



April 15,2014

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	McCarty Res. I8079218
567855	CJ11	Jack-Open Truss	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries Inc. Tue Apr 15 13:49:00 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-3TRg6MwiLIDurP97kqgjM1X1E8ChhMy0_paOsVzQSPX

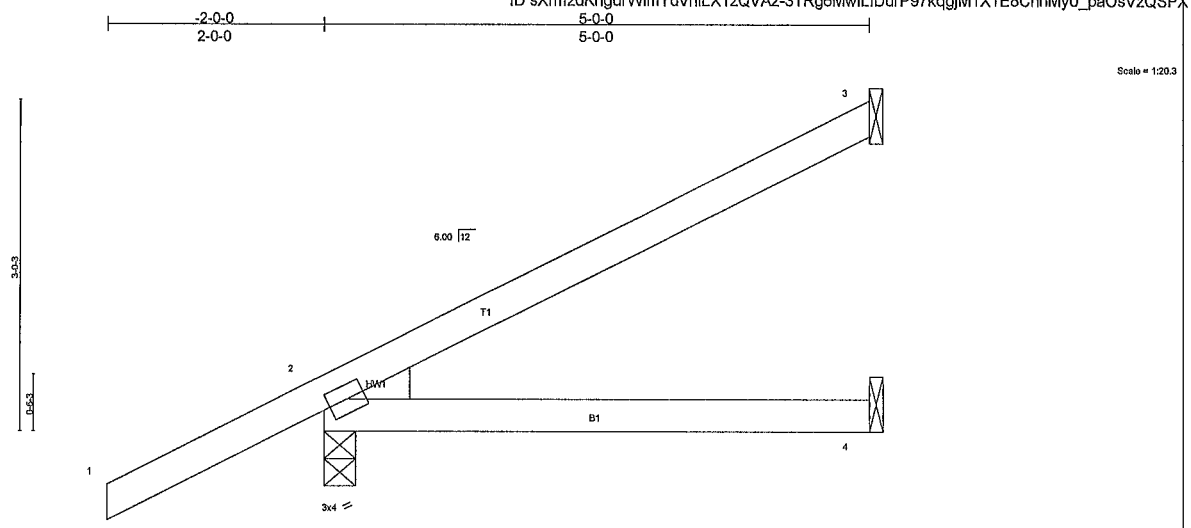


Plate Offsets (X,Y). [2,0-0-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.12	4-7	>507	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 35	Vert(TL)	0.10	4-7	>577	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0 02	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 20 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SYP No.3

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

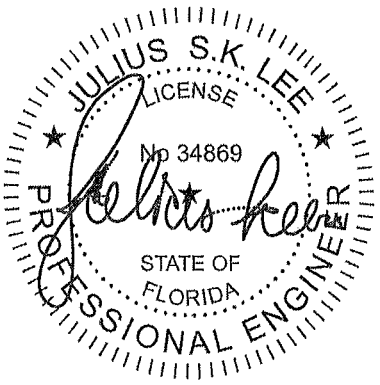
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=88/Mechanical 2=239/0-3-8 (min. 0-1-8) 4=28/Mechanical
Max Horz 2=162(LC 12)
Max Uplift3=-104(LC 12) 2=-132(LC 12) 4=-45(LC 9)
Max Grav 3=107(LC 2) 2=288(LC 2), 4=67(LC 3)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-357/325

NOTES (7-9)
1) Wind: ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf· BCDL=3.0psf· h=18ft; Cat. II Exp C, Encl GCpi=0 18· MWFRS (envelope) gable end zone and C-C Exterior(2) zone, porch left and right exposed·C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 3, 132 lb uplift at joint 2 and 45 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note· Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer· Julius Lee PE. Florida P E. License No 34869· Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



April 15,2014

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Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component Applicability of design 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	McCarty Res.
567855	CJ13	Jack-Open Truss	11	1	I8079220
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49:02 2014 Page 1

ID:sXrmzdKhgurWlmYdVniLX1zQVAz-?sZQX2yytvTc4ilWrEjBRScO3yyO9GSJR73VwNzQSPV

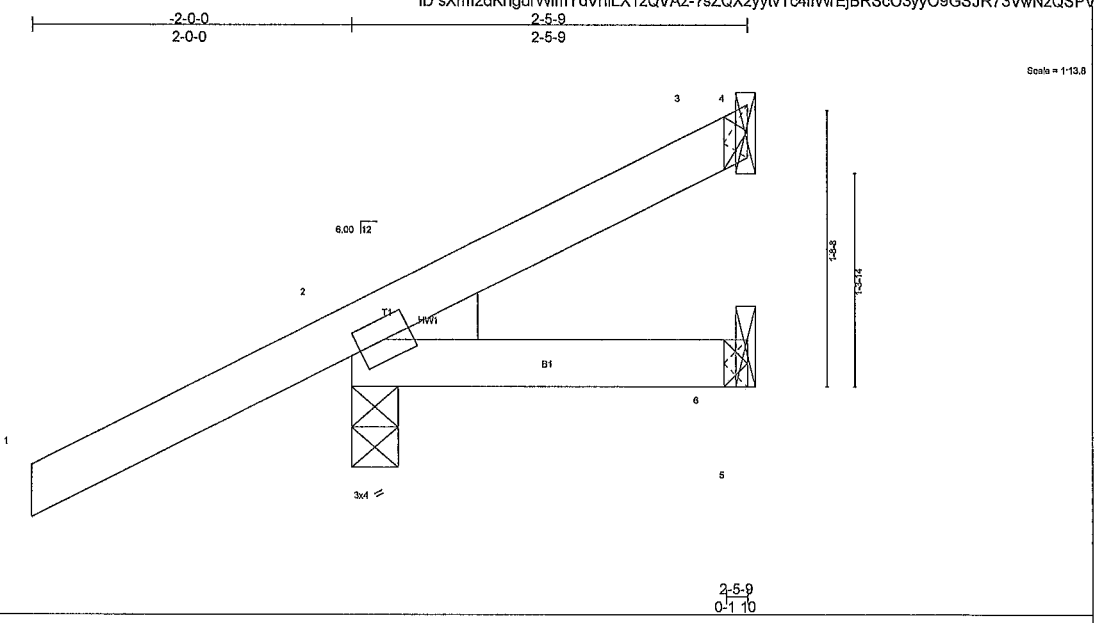


Plate Offsets (X,Y) [2:0-0-12,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20 0	Plates Increase 1.25	TC 0.32	Vert(LL)	0 00	6-9	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0 08	Vert(TL)	0 00	6-9	>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: 12 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-9 oc purlins
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

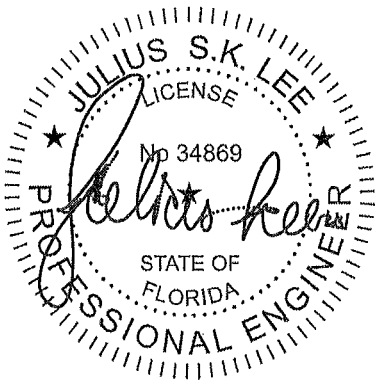
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=189/0-3-8 (min. 0-1-8) 3=29/Mechanical 6=-0/Mechanical
Max Horz 2=101(LC 12)
Max Uplift 2=-119(LC 12), 3=-44(LC 12), 6=-15(LC 9)
Max Grav 2=229(LC 2) 3=35(LC 2) 6=31(LC 3)

FORCES (lb) Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-312/227

NOTES (7-9)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C, Encl GCpi=0 18 MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 2, 44 lb uplift at joint 3 and 15 lb uplift at joint 6.
6) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee PE: Florida P E License No 34869: Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 15,2014

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	EJ02	Jack-Partial Truss	1	1	I8079222
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49:05 2014 Page 1

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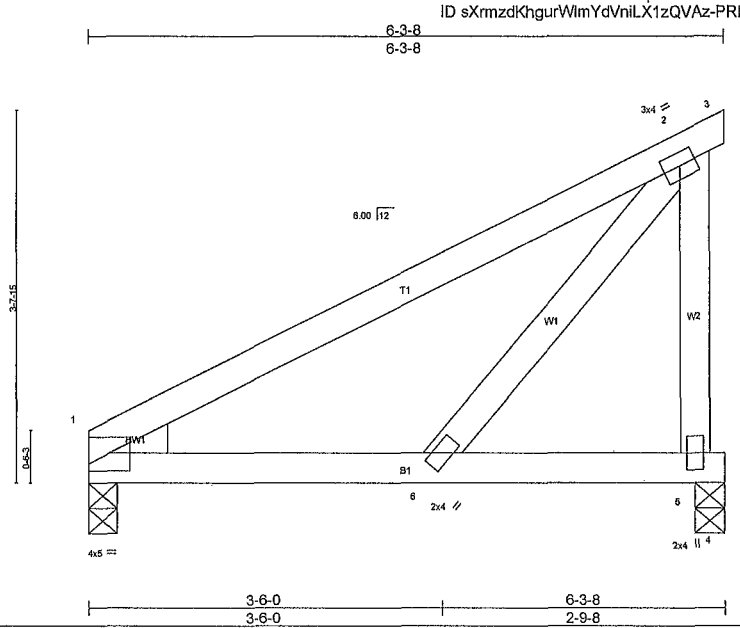


Plate Offsets (X,Y). [1 0-0-0,0-0-14]

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 50	Vert(LL)	0.05	6-9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 44	Vert(TL)	0.04	6-9	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 14	Horz(TL)	-0 01	1	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 31 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SYP No 3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-2-1 oc bracing.

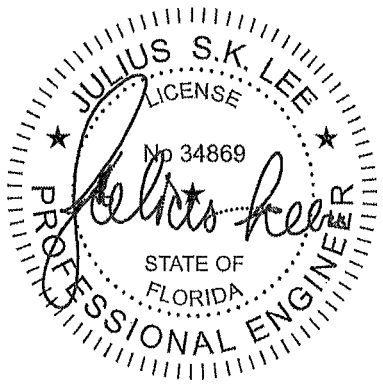
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=162/0-3-8 (min 0-1-8) 5=169/0-3-8 (min 0-1-8)
Max Horz 1=152(LC 12)
Max Uplift 1=-88(LC 9) 5=-156(LC 12)
Max Grav 1=192(LC 2) 5=199(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-281/277
BOT CHORD 1-6=-452/292
WEBS 2-5=-245/424, 2-6=-451/159

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl GCpi=0.18 MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 1 and 156 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



April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	EJ04	Special Truss	1	1	I8079224
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49 09 2014 Page 1

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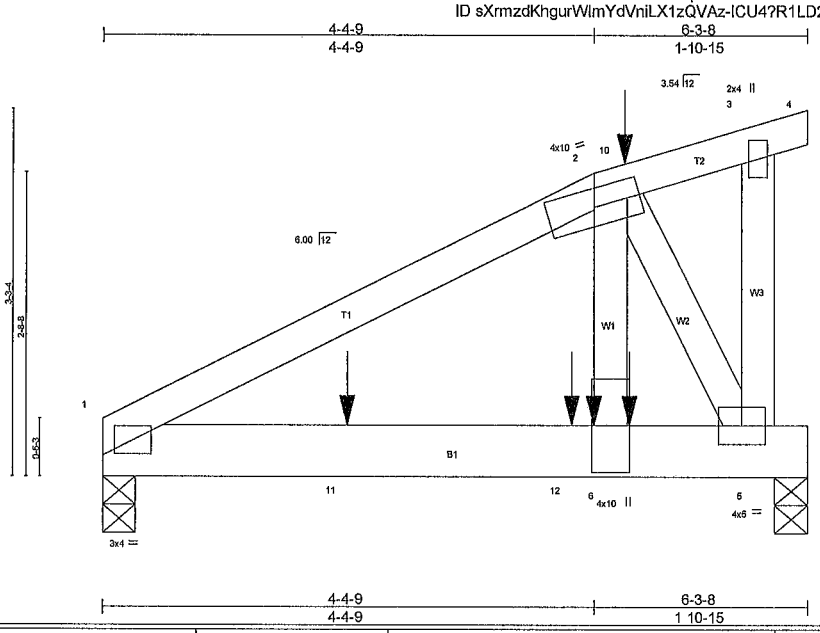

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20 0	Plates Increase 1.25	TC 0.25	Vert(LL)	0.03	6-9	>999	240	MT20	244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.44	Vert(TL)	-0 04	6-9	>999	180		
BCLL 0 0 *	Rep Stress Incr NO	WB 0.29	Horz(TL)	0.00	1	n/a	n/a		
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)						Weight: 35 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 1=433/0-3-8 (min. 0-1-8) 5=541/0-3-8 (min. 0-1-8)
Max Horz 1=134(LC 8)
Max Uplift 1=-252(LC 8) 5=-445(LC 8)
Max Grav 1=515(LC 2) 5=642(LC 2)

FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-520/238
BOT CHORD 1 11=-436/631 11-12=-277/420 6-12=-277/420 5-6=-305/468
WEBS 2-6=-447/770, 2-5=-876/569

NOTES (9-11)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft, Cat. II Exp C, Encl GCpi=0 18 MWFRS (envelope) gable end zone porch left and right exposed Lumber DOL=1 60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 252 lb uplift at joint 1 and 445 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) 61 lb down and 103 lb up at 4-8-5 on top chord and 331 lb down and 164 lb up at 2-2-4, 331 lb down and 164 lb up at 4-2-4, and 41 lb down and 57 lb up at 4-4-9 and 37 lb down and 52 lb up at 4-8-5 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

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

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25 Plate Increase=1.25
Uniform Loads (plf)
Vert. 1-2=-44 2-3=-44 3-4=-44, 5-7=-10
Concentrated Loads (lb)
Vert. 6=-18(F) 10=-50(F) 11=-278(B) 12=-292(F=-14 B=-278)

April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	HJ01	Diagonal Hip Girder	2	1	I8079225
					Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 11=43(F=21 B=21) 12=3(F=2 B=2) 13=-87(F=-44, B=-44) 14=37(F=19, B=19) 15=4(F=2, B=2) 16=-36(F=-18, B=-18)

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1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	HJ02	Diagonal Hip Girder	1	1	I8079226
					Job Reference (optional)

ID sXrmzdKhgurWlmYdVniLX1zQVAz-Azkbqp4sHHr2vPed?2PmNnZ9gOZ5E8MwzLEapFzQSPK

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 11=36(F) 12=24(B) 13=-17(F) 14=-18(B) 15=-59(F) 16=-54(B) 17=7(F) 18=6(B) 19=-8(F) 20=-6(B) 21=-20(F) 22=-22(B)

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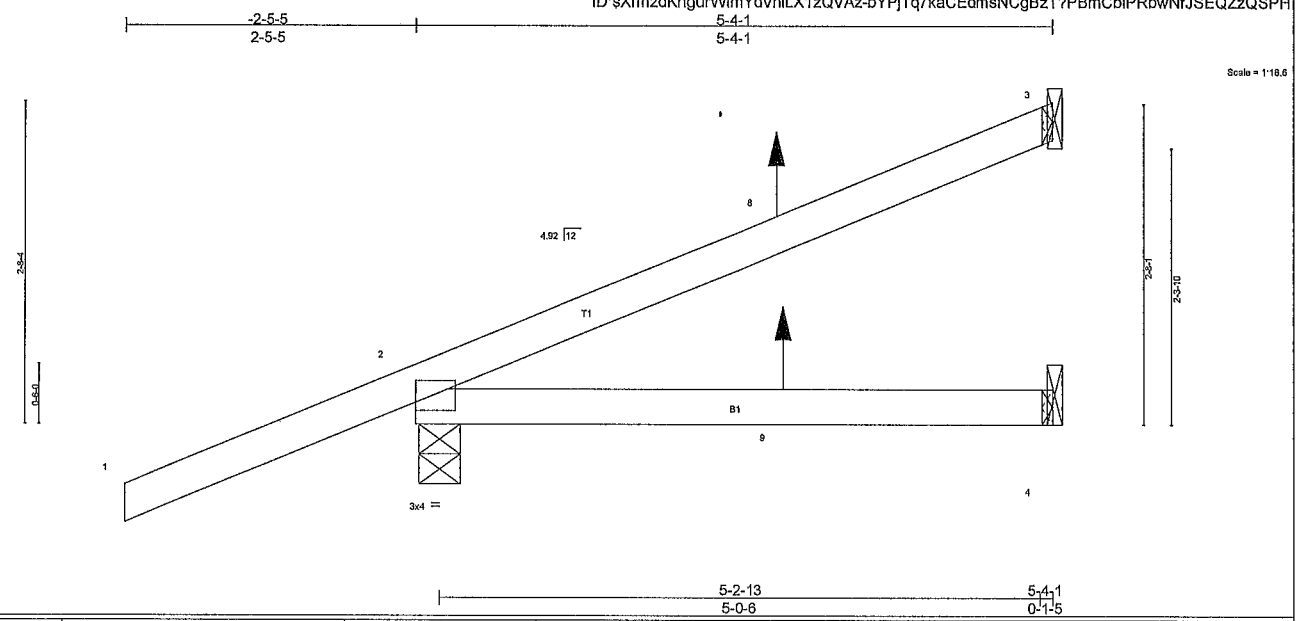
Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	HJ04	Diagonal Hip Girder	1	1	I8079228
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49:16 2014 Page 1

ID:sXrmzdKhgurWlmYdVniLX1zQVAz-bYPjTq7kaCEdmsNCgBzT?PBmCbiPRbwNfJSEQZzQSPH



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.41	Vert(LL) 0 06 4-7 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.23	Vert(TL) -0.06 4-7 >999 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.01 3 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight. 21 lb FT = 20%

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

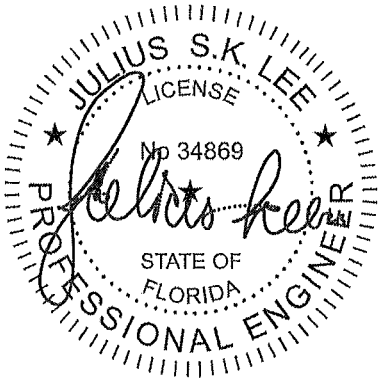
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

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

REACTIONS (lb/size) 3=83/Mechanical, 2=268/0-4-2 (min. 0-1-8) 4=24/Mechanical
Max Horz 2=147(LC 8)
Max Uplift3=-102(LC 8) 2=-243(LC 4) 4=-47(LC 5)
Max Grav 3=101(LC 2), 2=322(LC 2), 4=71(LC 3)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-296/327

NOTES (9-11)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl GCpi=0.18, MWFRS (envelope) gable end zone porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 3, 243 lb uplift at joint 2 and 47 lb uplift at joint 4.
6) Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1 lb down and 44 lb up at 3-0-14 on top chord, and 2 lb down and 26 lb up at 3-0-14 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: 1-3=-44 4-5=-10
Concentrated Loads (lb)
Vert. 8=15(B) 9=2(B)

April 15,2014

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	McCarty Res.
667855	HJ06	Diagonal Hip Girder	2	1	I8079230
					Job Reference (optional)

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ID:sXrmzdKhgurWlmYdVniLX1zQVAz-775s5s9ds7cCdK6nLJWAd2pJrpkkeyfpMHhu1uzQSPE

-2-2-0 2-2-0 | 4-10-12 4-10-12

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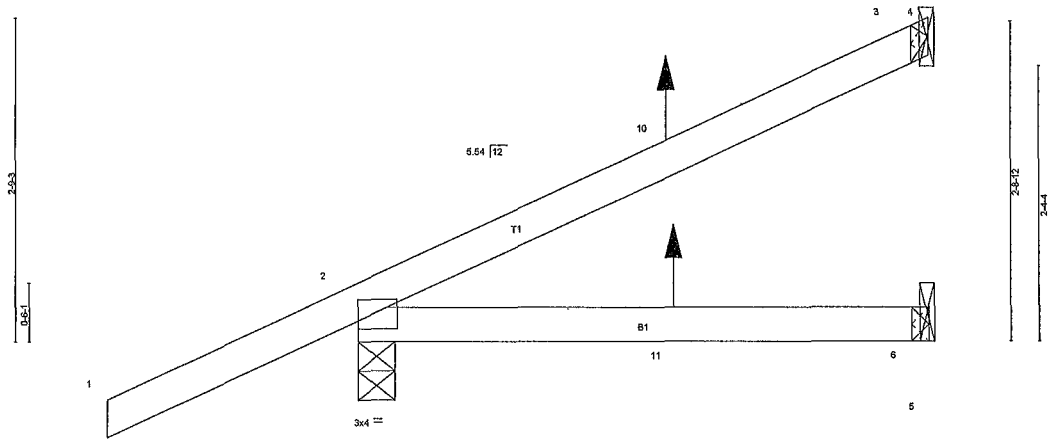

4-10-12
0-1-10

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.04	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0 19	Vert(TL)	-0.04	6-9	>999	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 00	Horz(TL)	-0 01	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 4-10-12 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) 2=231/0-3-13 (min 0-1-8), 6=21/Mechanical 3=70/Mechanical
Max Horz 2=152(LC 8)
Max Uplift2=-171(LC 4) 6=-44(LC 5), 3=-108(LC 8)
Max Grav 2=277(LC 2), 6=70(LC 3) 3=84(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-10=-236/254

NOTES (9-11)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C, Encl GCpi=0 18; MWFRS (envelope) gable end zone porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 2 44 lb uplift at joint 6 and 108 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1 lb down and 48 lb up at 2-8-5, and 1 lb down and 48 lb up at 2-8-5 on top chord, and 2 lb down and 26 lb up at 2-8-5, and 2 lb down and 26 lb up at 2-8-5 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

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

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25 Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-44 3-4=-14 5-7=-10
Concentrated Loads (lb)
Vert: 10=30(F=15, B=15) 11=4(F=2, B=2)

April 15,2014

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	McCarty Res.
567855	T01G	Common Truss	1	1	I8079232
					Job Reference (optional)

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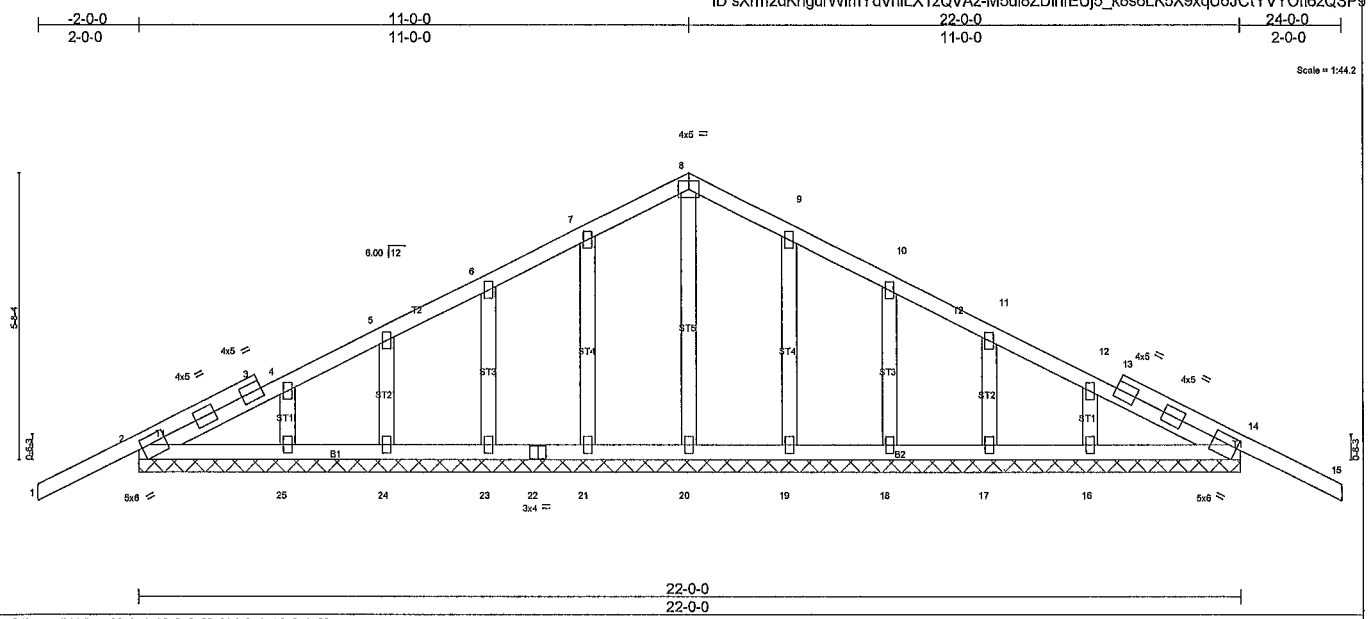

Plate Offsets (X,Y). [2:0-1 13,0-2-0], [14.0-1 13,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0 02	15	n/r	120	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0 04	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0 00	14	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 122 lb	FT = 20%

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

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

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

REACTIONS All bearings 22-0-0.
(lb) Max Horz 2=130(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 21 23, 24, 25, 19 18, 17 16 except 14=-115(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2 14, 20, 21 23 24, 25, 19 18 17 16

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

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl. GCpi=0.18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All plates are 2x4 MT20 unless otherwise indicated
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 21 23, 24, 25 19, 18, 17 16 except (jt=lb) 14=115.
11) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P E. License No. 34869: Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard

April 15,2014

⚠ *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	McCarty Res.
567855	T02G	GABLE	1	1	I8079234
					Job Reference (optional)

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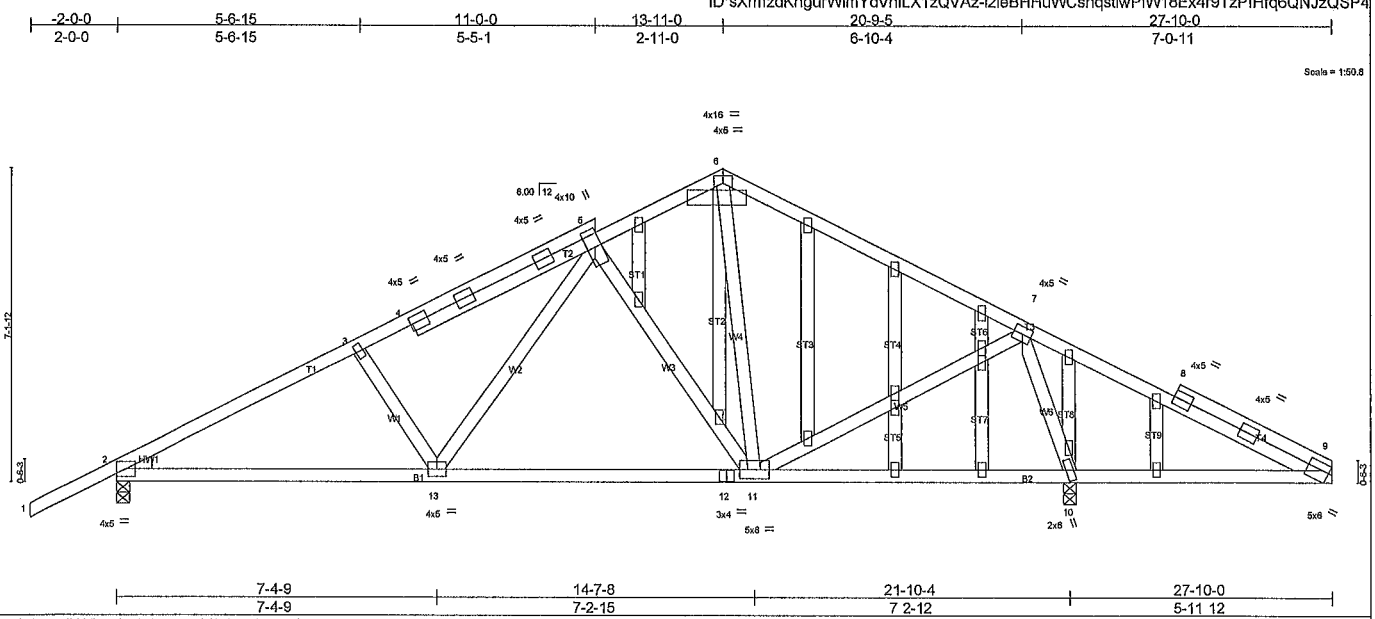

7-4-9	14-7-8	21-10-4	27-10-0
7-4-9	7-2-15	7 2-12	5-11 12

Plate Offsets (X,Y) [2:0-0-0,0-0-14], [5:0-5-0,0-1 12], [6.0-8-0,0-1-2], [9 Edge,0-2-0], [21:0-1 15,0-1-0], [24:0-1 15,0-1 0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0 59	Vert(LL) 0 06 11 13 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0 16	Vert(TL) -0.09 11-13 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0 31	Horz(TL) 0 01 10 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 189 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No 2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-5 oc purlins
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing

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

REACTIONS (lb/size) 2=640/0-3-8 (min 0-1-8), 10=951/0-3-8 (min 0-1-8)
Max Horz 2=181(LC 16)
Max Uplift2=-382(LC 12) 10=-489(LC 13)
Max Grav 2=763(LC 2) 10=1127(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1134/563, 3-4=-1001/539, 4-5=-941/551 5-6=-531/323 6-7=-606/304, 7 8=-557/477 8-9=-558/370
BOT CHORD 2-13=-496/944, 12-13=-263/598, 11 12=-263/598, 10-11=-64/274 9-10=-350/565
WEBS 3-13=-276/273, 5-13=-226/361 5-11=-390/310, 7 11=-288/473 7 10=-1123/926

NOTES (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind. ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl GCpi=0 18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All plates are 2x4 MT20 unless otherwise indicated
5) Gable studs spaced at 2-0-0 oc.
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=382, 10=489
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

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

April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res
567855	T04	Special Truss	1	1	I8079236
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

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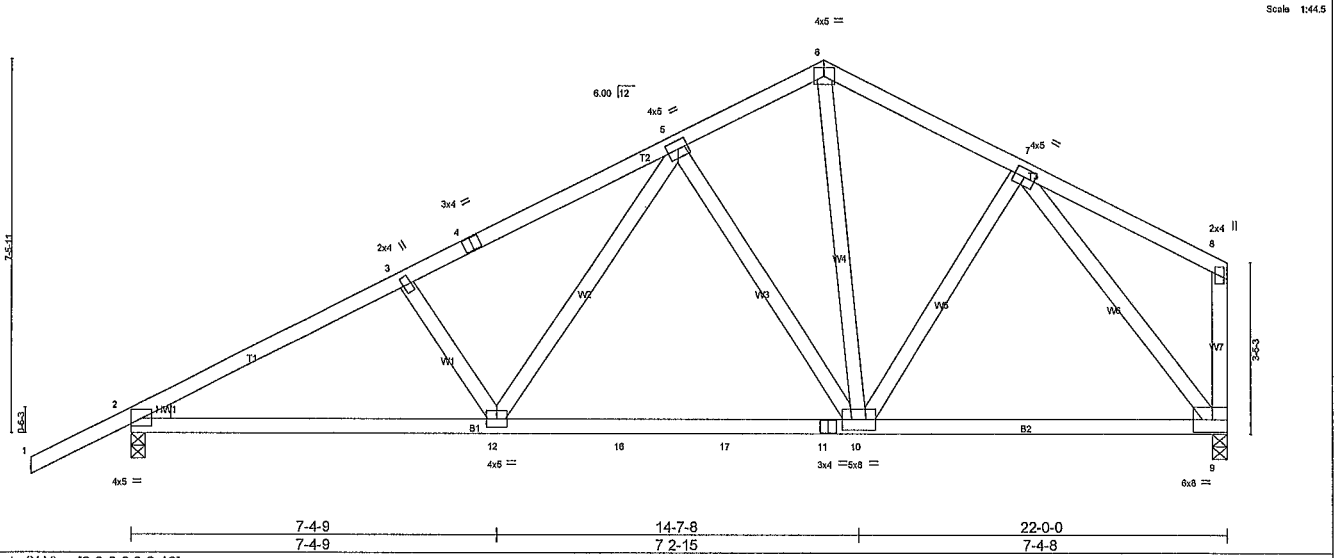


Plate Offsets (X,Y): [2 0-0-0,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	0.29	10-12	>892	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0 82	Vert(TL)	-0 42	10-12	>620	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0.91	Horz(TL)	0 04	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 130 lb	FT = 20%

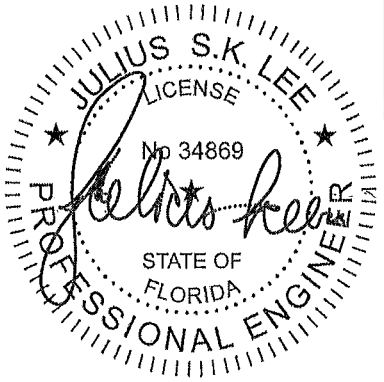
LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-10 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 6-3-6 oc bracing

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

REACTIONS (lb/size) 2=896/0-3-8 (min. 0-1-8) 9=804/0-3-8 (min 0-1-8)
Max Horz 2=178(LC 12)
Max Uplift2=-280(LC 12), 9=-217(LC 13)
Max Grav 2=1028(LC 2), 9=914(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1866/991 3-4=-1733/969 4-5=-1680/984, 5-6=-948/623, 6-7=-1025/653
BOT CHORD 2-12=-954/1637 12-16=-607/1104 16-17=-607/1104 11 17=-607/1104, 10-11=-607/1104, 9-10=-389/698
WEBS 3-12=-279/267 5-12=-380/713, 5-10=-632/448, 6-10=-450/694, 7 10=-43/293, 7-9=-1143/642



NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C, Encl GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=280 9=217
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. 1-6=-44 6-8=-44 12-13=-10, 12-16=-61(F=-51) 16-17=-91(F=-51), 10-17=-61(F=-51) 9-10=-10

April 15,2014

⚠ *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	McCarty Res.
567855	T05	Hip Truss	1	1	I8079237
					Job Reference (optional)

ID:sXrmzdKhgurWlmYdVniLX1zQVAz-?PdHfgMHsLln9xv2rNK9pd04zfRo6XyJGQII6PzQSOz

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-44, 3-5=-44, 5-7=-44 12-15=-10

Concentrated Loads (lb)

Vert: 3=-85(B) 5=-172(B) 11=-216(B) 9=-35(B) 4=-85(B) 8=-216(B) 18=-85(B) 19=-85(B) 20=-85(B) 21=-85(B) 22=-35(B) 23=-35(B) 24=-35(B) 25=-35(B)

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

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T07	Hip Truss	1	1	I8079239
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49:40 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-uAsoV1PowaFDeYCp4DO5zTBppGrv2O6vB2GVFAzQSOv

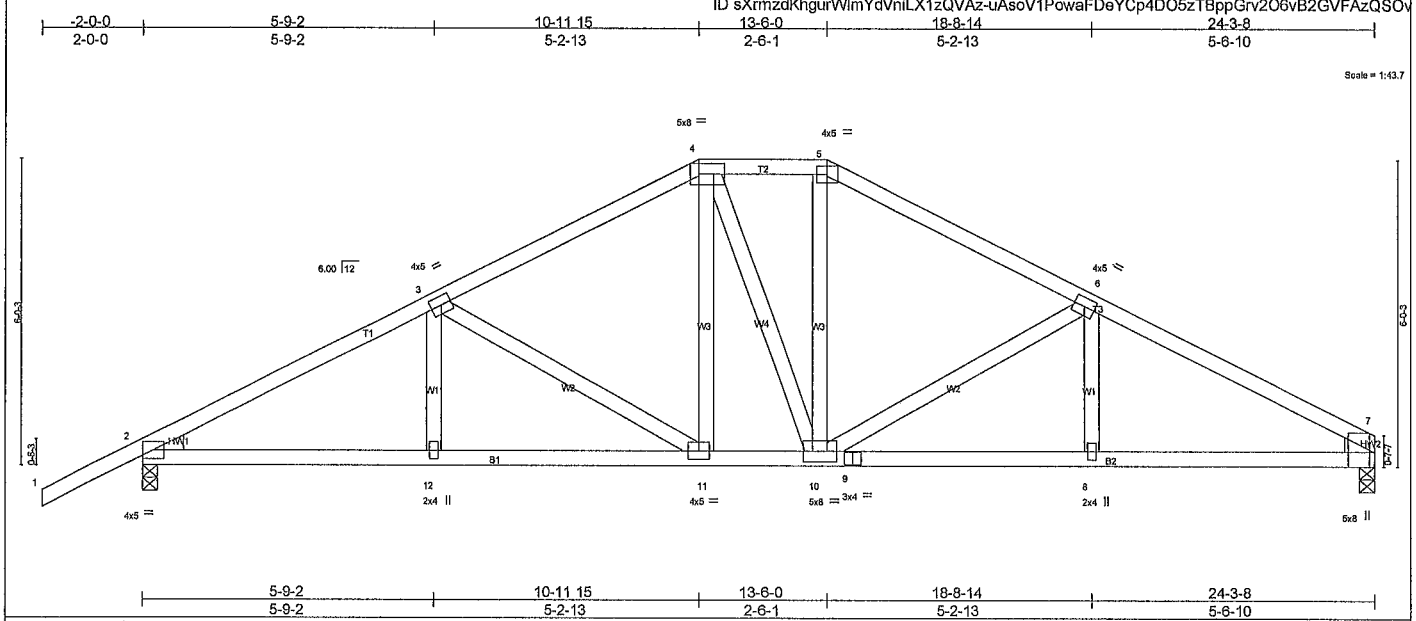

Plate Offsets (X,Y). [2.0-0-0,0-0-14], [4.0-6-0,0-2-8], [7:0-3-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.62	Vert(LL) 0.22 11-12 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.43	Vert(TL) 0.17 11-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.30	Horz(TL) -0.07 7 n/a n/a		
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 132 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SYP No 3, Right: 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-5-6 oc bracing

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

REACTIONS (lb/size) 7=852/0-3-8 (min. 0-1-8) 2=747/0-3-8 (min 0-1-8)
Max Horz 2=98(LC 12)
Max Uplift 7=-370(LC 8) 2=-392(LC 9)
Max Grav 7=773(LC 2), 2=890(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1319/1877 3-4=-982/1439 4-5=-833/1355, 5-6=-981/1439 6-7=-1297/1844
BOT CHORD 2-12=-1591/1114 11-12=-1591/1114, 10-11=-1063/821 9-10=-1556/1103, 8-9=-1556/1103, 7-8=-1556/1103
WEBS 3-12=-253/160 3-11=-374/623, 4-11=-483/231 5-10=-478/229 6-10=-350/582

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf BCDL=3.0psf h=18ft; Cat. II Exp C Encl GCpi=0.18 MWFRS (envelope) and C-C Exterior(2) zone porch left and right exposed C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 7=370, 2=392
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

April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T09	Monopitch Truss	1	1	I8079241
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

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ID sXrmzdKhgurWlmYdVniLX1zQVAz-qZ_YwjR2SBVxusMCBeRZ3uG8u4VVWLUCeMlcK3zQSO

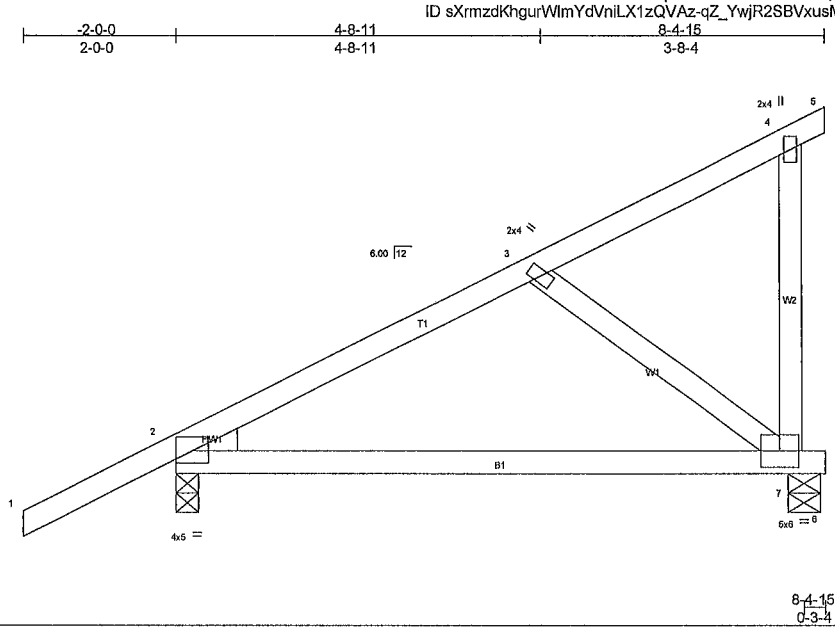


Plate Offsets (X,Y). [2:0-0-0,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.34	7-10	>279	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.55	Vert(TL)	0.30	7-10	>321	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 12	Horz(TL)	-0 02	2	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
WEDGE
Left: 2x4 SYP No 3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing

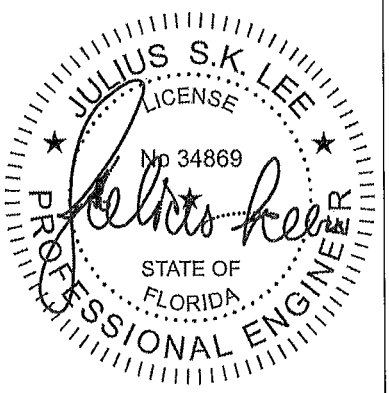
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=314/0-3-8 (min 0-1-8) 7=229/0-4-15 (min 0-1-8)
Max Horz 2=245(LC 12)
Max Uplift2=-154(LC 12), 7=-202(LC 9)
Max Grav 2=376(LC 2) 7=270(LC 2)

FORCES (lb) Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-271/177
BOT CHORD 2-7=-378/240
WEBS 3-7=-290/406

NOTES (7-9)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft, Cat. II Exp C, Encl GCpi=0 18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=154, 7=202.
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



April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

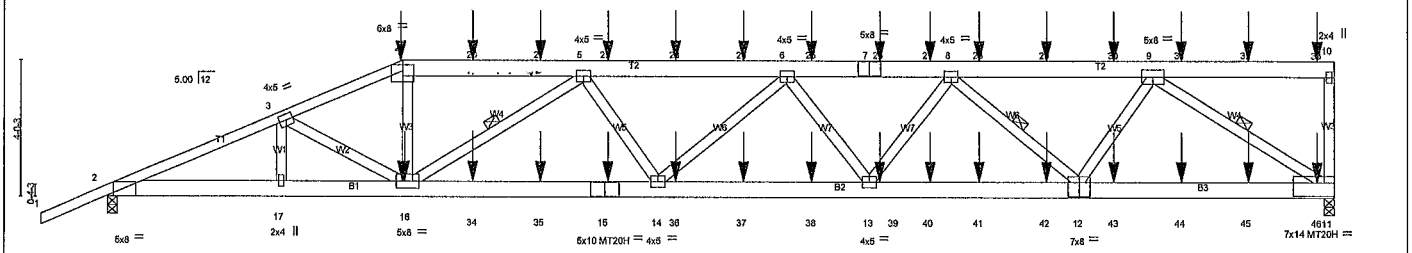
Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T11	Half Hip Truss	1	1	I8079243
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49:46 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-iKD3m5UYVQ?MMTgzQUVVDkRqLhqRSw?nZ_jqTqzQSOp

-2-0-0	5-2-0	8-9-10	14-1-10	20-1-13	24-11-7	30-11-8	36-3-8
2-0-0	5-2-0	3-7-10	5-4-0	6-0-2	4-9-10	6-0-1	5-4-0

Scale = 1:65.5



5-2-0	8-9-10	16-3-15	22-6-10	28-9-4	36-3-8
5-2-0	3-7-10	7-6-6	6-2-10	6-2-10	7-6-4

Plate Offsets (X,Y): [2:0-4-0,0-2-14], [4:0-4-0,0-2-2], [11:Edge,0-4-12], [12:0-4-0,0-5-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	0.57	13-14	>760	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.78	13-14	>554	180	MT20H	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.19	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 239 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2 *Except*
T1 2x4 SP No.2
BOT CHORD 2x6 SP SS *Except*
B3 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-9 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 4-1-15 oc bracing
WEBS 1 Row at midpt 5-16, 8-12, 9-11

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

REACTIONS (lb/size) 11=2153/0-3-8 (min 0-3-0), 2=1932/0-3-8 (min 0-2-11)
Max Horz 2=145(LC 8)
Max Uplift 11=-1689(LC 5) 2=-1269(LC 4)
Max Grav 11=2545(LC 2) 2=2286(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5216/3037, 3-4=-5019/3100, 4-20=-4665/2919, 20-21=-4666/2919, 5-21=-4670/2920, 5-22=-6234/4030, 22-23=-6234/4030, 23-24=-6234/4030, 6-24=-6234/4030, 6-25=-5969/3909, 7-25=-5969/3909, 7-26=-5969/3909, 26-27=-5969/3909, 8-27=-5969/3909, 8-28=-4113/2718, 28-29=-4113/2718, 29-30=-4113/2718, 9-30=-4113/2718, 10-11=-271/163
BOT CHORD 2-17=-2855/4775, 16-17=-2855/4775, 16-34=-3876/6072, 34-35=-3876/6072, 15-35=-3876/6072, 14-15=-3876/6072, 14-36=-4093/6308, 36-37=-4093/6308, 37-38=-4093/6308, 13-38=-4093/6308, 13-39=-3599/5506, 39-40=-3599/5506, 40-41=-3599/5506, 41-42=-3599/5506, 12-42=-3599/5506, 12-43=-2078/3181, 43-44=-2078/3181, 44-45=-2078/3181, 45-46=-2078/3181, 11-46=-2078/3181
WEBS 3-16=-293/34, 4-16=-1011/1572, 5-16=-1778/1165, 5-14=-294/433, 8-13=-605/328, 8-13=-555/827, 8-12=-1904/1204, 9-12=-1221/1779, 9-11=-3815/2490

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl GCpi=0.18, MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) All plates are MT20 plates unless otherwise indicated
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=1689, 2=1269
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss

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

Continued on page 2

April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

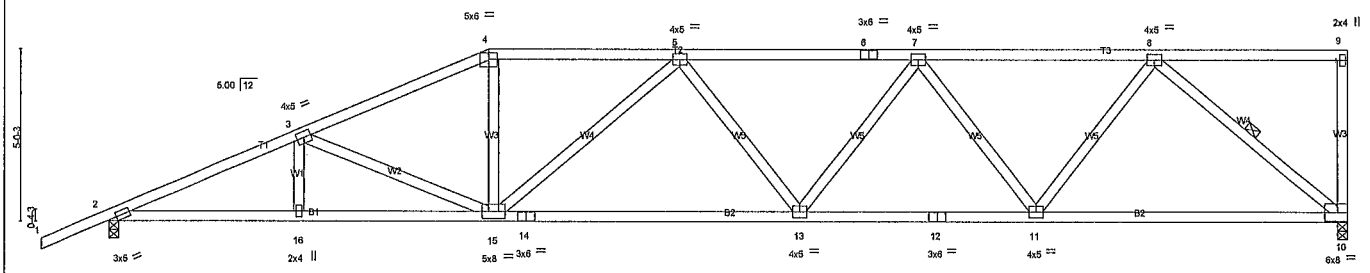
Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T12	Half Hip Truss	1	1	I8079244
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49:48 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-fiLpAnVp11G4cnqMYvYzI9WD_VVLwyV40HCwXjzQSOn

-2-0-0	5-7-10	11-2-6	16-9-10	23-8-15	30-8-4	36-3-8
2-0-0	5-7-10	5-6-13	5-7-3	6-11-5	6-11-5	5-7-4

Scale = 1:64.9



5-7-10	11-2-6	20-3-5	27-2-9	36-3-8
5-7-10	5-6-13	9-0-14	6-11-4	9-0-15

Plate Offsets (X,Y) [2.0-2-13,0-1-8], [4.0-3-0,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	0.25	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.49	13-15	>888	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.13	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 192 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 3-5-4 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 4-10-8 oc bracing
WEBS 1 Row at midpt 8-10

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

REACTIONS (lb/size) 10=969/0-3-8 (min 0-1-8) 2=1071/0-3-8 (min. 0-1-9)
Max Horz 2=181(LC 12)
Max Uplift 10=-342(LC 9) 2=-325(LC 8)
Max Grav 10=1148(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=-2537/1378, 3-4=-2151/1187 4-5=-1971/1153, 5-6=-2203/1238, 6-7=-2203/1238, 7-8=-1663/917
BOT CHORD 2-16=-1445/2347 15-16=-1445/2347 14-15=-1326/2273, 13-14=-1326/2273, 12-13=-1186/2077 11 12=-1186/2077 10-11=-686/1187
WEBS 3-15=-425/325, 4-15=-234/520, 5-15=-408/229, 7 11=-699/454, 8-11=-390/804 8-10=-1549/903

NOTES (8-10)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl GCpi=0.18 MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=342 2=325.
7) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note; Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer; Julius Lee PE; Florida P.E. License No. 34869; Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T14	Half Hip Truss	1	1	I8079246
					Job Reference (optional)

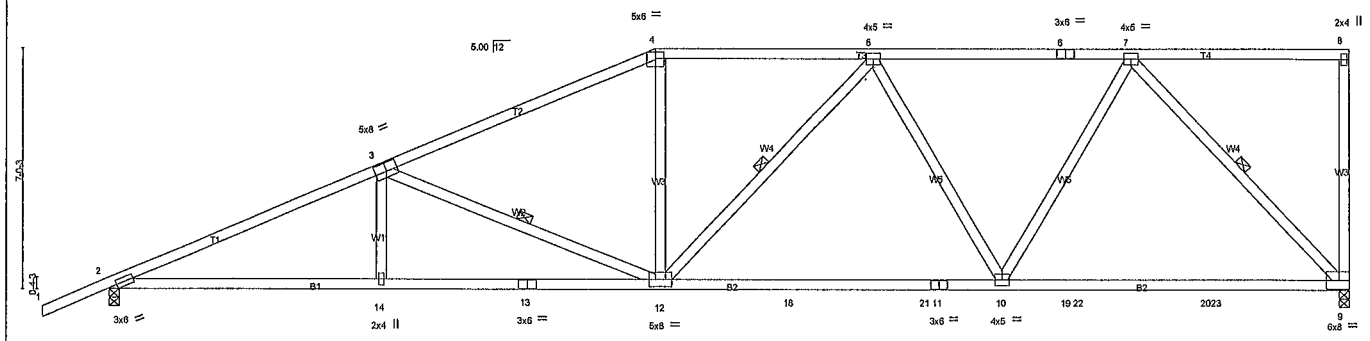
Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49 53 2014 Page 1

ID:sXrmzdKhgurWlmYdVniLX1zQVAz-?g8iEUZxsauNiYlJKS78?CD_pW9TbAcpAZwhCwzQSOi

-2-0-0	8-0-0	16-0-0	22-4-3	29-11-6	36-3-8
2-0-0	8-0-0	8-0-0	6-4-3	7-7-3	6-4-3

Scale = 1:64.9



8-0-0	16-0-0	26-1 12	36-3-8
8-0-0	8-0-0	10-1 12	10-1 12

Plate Offsets (X,Y). [2:0-2-13,0-1-8], [3:0-4-0,0-3-0], [4:0-3-0,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0 28	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0 91	Vert(TL)	-0.51	9-10	>858	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0 11	9	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

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

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

REACTIONS (lb/size) 9=1143/0-3-8 (min 0-1-10), 2=1139/0-3-8 (min 0-1 10)
Max Horz 2=249(LC 12)
Max Uplift 9=-335(LC 9) 2=-301(LC 12)
Max Grav 9=1147(LC 2), 2=1275(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2624/1308, 3-4=-1976/986, 4-5=-1783/980, 5-6=-1481/722, 6-7=-1481/722
BOT CHORD 2-14=-1461/2436 13-14=-1463/2434, 12-13=-1463/2434, 12-18=-923/1735, 18-21=-923/1735, 11-21=-923/1735 10-11=-923/1735, 10-19=-560/1071 19-22=-560/1071 20-22=-560/1071 20-23=-560/1071 9-23=-560/1071
WEBS 3-12=-716/527 4-12=-94/368 5-10=-519/409 7 10=-330/833, 7-9=-1554/822

NOTES (8-10)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft, Cat. II Exp C, Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) Provide adequate drainage to prevent water ponding
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
5) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=335, 2=301
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P E License No. 34869: Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard

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

April 15,2014

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	McCarty Res.
567855	T16	Hip Truss	1	1	I8079248
					Job Reference (optional)

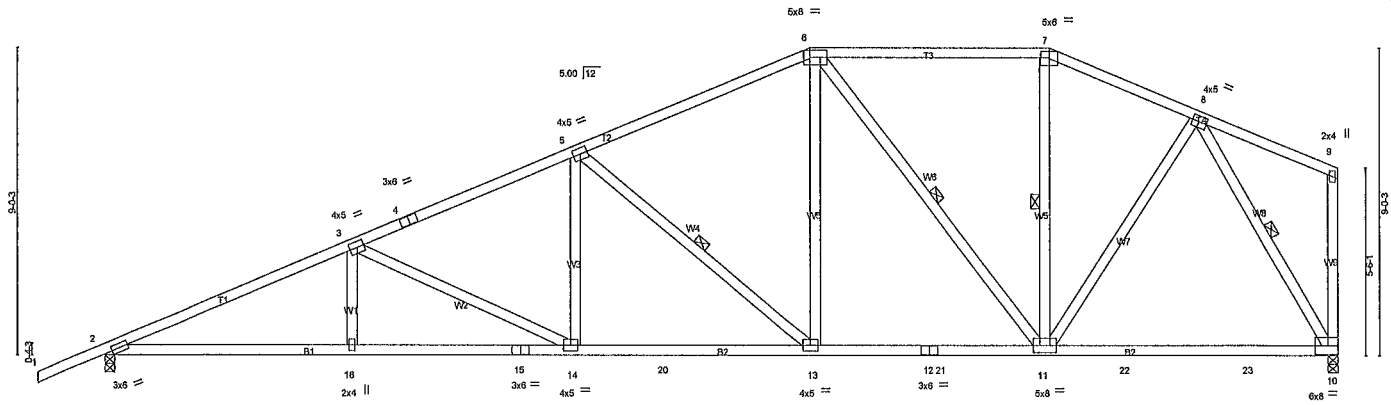
Builders FirstSource, Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:49.57 2014 Page 1

ID:sXrmzdKhgurWlmYdVniLX1zQVAz-uROD3rcSwoOpB904ZIC492Oiv7bPX0oP5BuvLhzQSOe

-2-0-0	7-4-2	13-11-3	20-9-10	27-10-6	32-2-0	36-3-8
2-0-0	7-4-2	6-7-1	6-10-7	7-0-13	4-3-10	4-1-8

Scale = 1:65.3



7-4-2	13-11-3	20-9-10	27 10-6	36-3-8
7-4-2	6-7-1	6-10-7	7-0-13	8-5-2

Plate Offsets (X,Y): [2,0-2-13,0-1-8], [6,0-5-12,0-2-8], [7:0-3-0,0-2-4]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.66	Vert(LL) 0 22 14-16 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.59	Vert(TL) -0.33 10-11 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.53	Horz(TL) 0 11 10 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 222 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 4-10-15 oc bracing
WEBS 1 Row at midpt 5-13 6-11 7 11 8-10

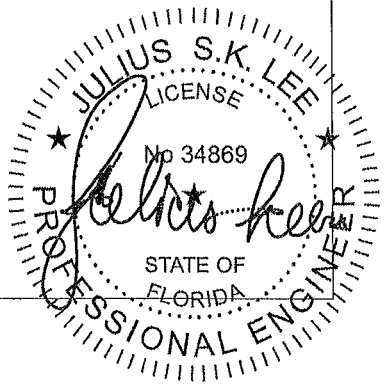
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1171/0-3-8 (min. 0-1 11) 10=1167/0-3-8 (min. 0-1 11)
Max Horz 2=242(LC 12)
Max Uplift 2=-330(LC 12) 10=-241(LC 9)
Max Grav 2=1274(LC 2), 10=1167(LC 1)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2752/1374, 3-4=-2264/1138, 4-5=-2164/1157 5-6=-1625/884, 6-7=-1100/674, 7-8=-1211/684
BOT CHORD 2-16=-1447/2534, 15-16=-1447/2534 14-15=-1447/2534, 14-20=-1103/2053, 13-20=-1103/2053, 12-13=-696/1423 12-21=-696/1423, 11-21=-696/1423 11-22=-363/705, 22-23=-363/705, 10-23=-363/705
WEBS 3-14=-532/380 5-14=-123/367 5-13=-835/538, 6-13=-306/687 6-11=-597/334 8-11=-227/627 8-10=-1394/733

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design
2) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1 60 plate grip DOL=1 60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5.0psf
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=330, 10=241
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



April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

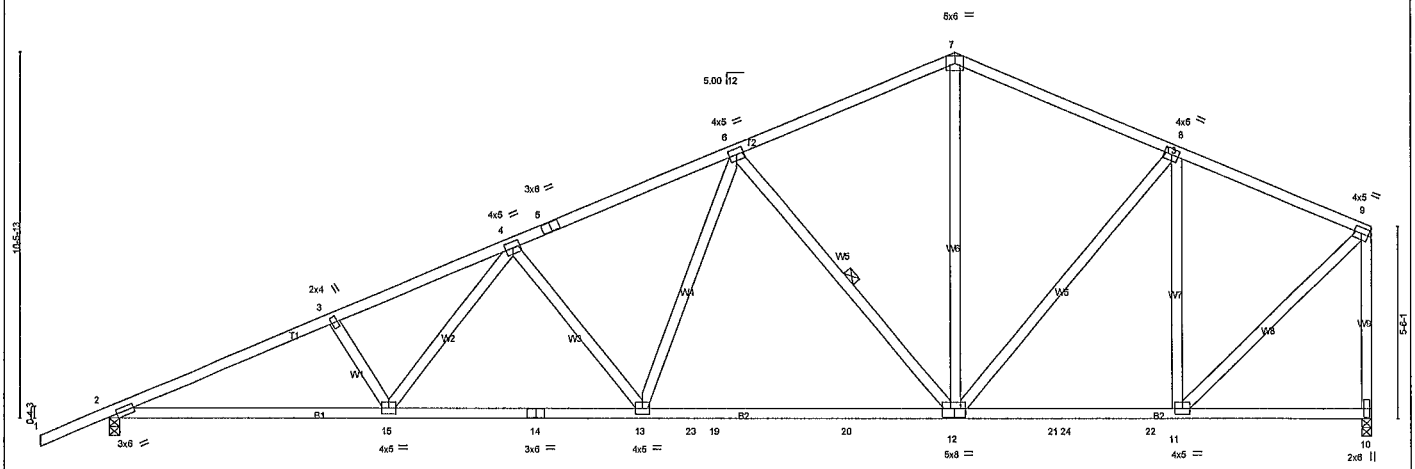
Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T18	Common Truss	1	1	I8079250
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13.50:02 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-EPB66ZgbkL05Hwu2MroFs65Xj8HaCDv8ETcg1vzQSOZ

-2-0-0	6-6-3	11-7-12	18-0-13	24-4-0	30-8-14	36-3-8
2-0-0	6-6-3	5-1-9	6-5-1	6-3-3	6-4-14	5-6-10

Scale: 3/16"=1"



8-0-9	15-4-8	24-4-0	30-8-14	36-3-8
8-0-9	7-3-15	8-11-8	6-4-14	5-6-10

Plate Offsets (X,Y). [2,0-2-13,0-1-8], [12:0-4-0,0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.78	Vert(LL) -0.28 12-13 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.71	Vert(TL) -0.48 12-13 >901 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.79	Horz(TL) 0 09 10 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 221 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 3-4-5 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 4-9-11 oc bracing
WEBS 1 Row at midpt 6-12

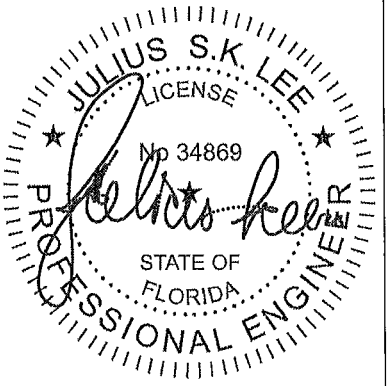
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1153/0-3-8 (min 0-1 11) 10=1114/0-3-8 (min. 0-1-10)
Max Horz 2=260(LC 12)
Max Uplift 2=-342(LC 12), 10=-252(LC 12)
Max Grav 2=1274(LC 2) 10=1148(LC 2)

FORCES (lb) Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2747/1433, 3-4=-2610/1413, 4-5=-2090/1122 5-6=-2039/1141 6-7=-1299/786 7-8=-1297/783, 8-9=-1008/551 9-10=-1348/737
BOT CHORD 2-15=-1511/2537 14-15=-1249/2186, 13-14=-1249/2186, 13-23=-893/1657 19-23=-893/1657 19-20=-893/1657 12-20=-893/1657 12-21=-452/884 21 24=-452/884 22-24=-452/884 11-22=-452/884
WEBS 3-15=-282/261 4-15=-218/349 4-13=-524/419 6-13=-303/634 6-12=-888/594, 7 12=-338/620, 8-12=-97/334, 8-11=-735/471 9-11=-621/1220

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design
2) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf BCDL=3.0psf h=18ft; Cat. II Exp C Encl GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone 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=342 10=252.
7) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P E. License No. 34869 Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



April 15,2014

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

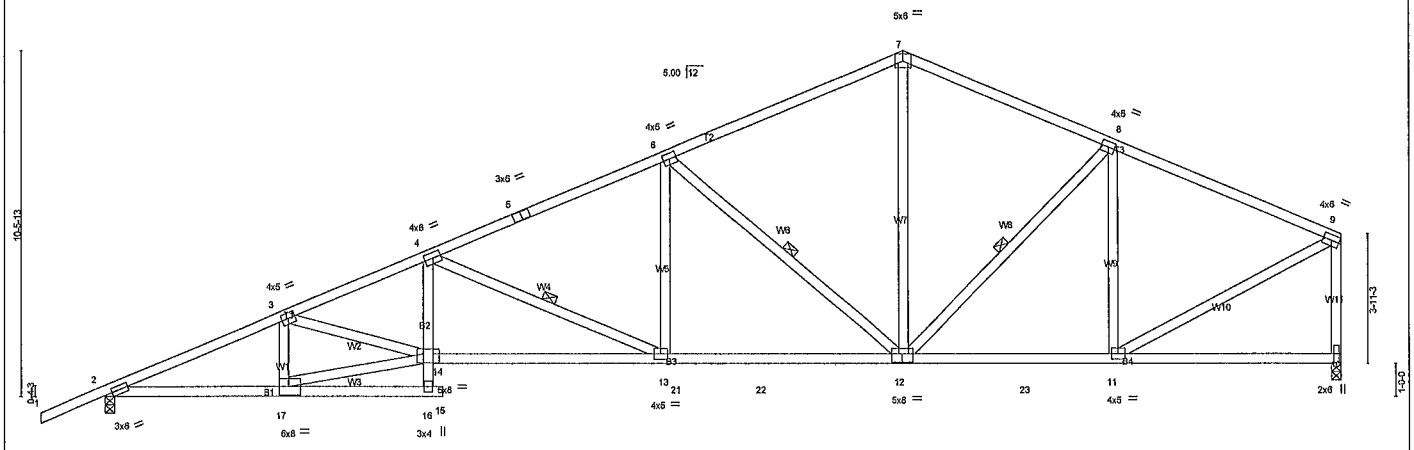
Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T20	Special Truss	1	1	I8079252
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13.50.07 2014 Page 1

ID sXrmzdKhgurWimYdVniLX1zQVAz-bM??AGkkZtfONim?9ONQZ9pRr9_7tTmtOIJRi6zQSOU

-2-0-0	5-5-8	10-3-8	17-0-15	24-4-0	30-8-14	37-8-0
2-0-0	5-5-8	4-10-0	6-9-7	7-3-1	6-4-14	6-11-2

Scale = 1:67.5



5-5-8	10-3-8	17-0-15	24-4-0	30-8-14	37-8-0
5-5-8	4-10-0	6-9-7	7-3-1	6-4-14	6-11-2

Plate Offsets (X,Y). [2:0-2-13,0-1-8], [12.0-4-0,0-3-0], [14.0-5-12,0-3-4], [17:0-3-8,0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.63	Vert(LL) 0.33 13-14 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0 75	Vert(TL) -0 48 13-14 >933 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0 82	Horz(TL) 0.15 10 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 227 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-3 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-4-7 oc bracing Except:
10-0-0 oc bracing: 14-16
WEBS 1 Row at midpt 4-13 6-12, 8-12

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 11) 10=1112/0-3-8 (min 0-1 10)
Max Horz 2=248(LC 12)
Max Uplift2=-351(LC 12) 10=-257(LC 13)
Max Grav 2=1321(LC 2) 10=1192(LC 2)

FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-2829/1484, 3-4=-3384/1861 4-5=-2389/1301 5-6=-2279/1315, 6-7=-1532/927
7-8=-1522/933 8-9=-1407/774, 9-10=-1348/761
BOT CHORD 2-17=-1536/2609 4-14=-240/498, 13-14=-1830/3170 13-21=-1156/2141 21-22=-1156/2141,
12-22=-1156/2141 12-23=-638/1235 11 23=-638/1235
WEBS 3-17=-584/399 14-17=-1438/2452 3-14=-279/534 4-13=-1123/735, 6-13=-244/598
6-12=-1116/702, 7-12=-436/775, 8-11=-525/382 9-11=-702/1372

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3 0psf; h=18ft; Cat. II Exp C Encl. GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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=351 10=257
7) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee PE. Florida P E. License No. 34869 Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard

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

April 15,2014

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

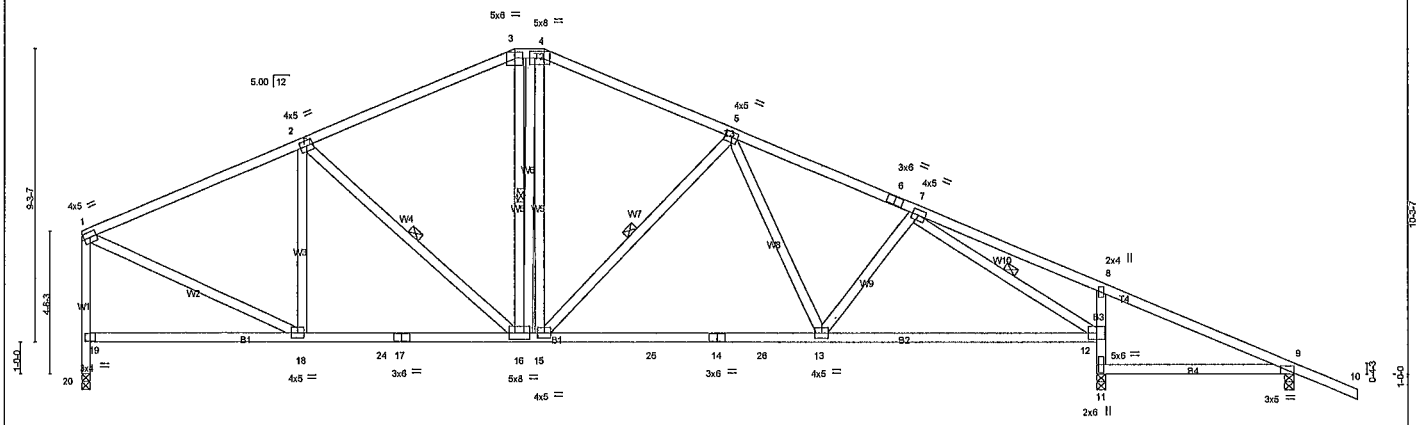
Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T22	Hip Truss	1	1	I8079254
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13.60 13 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-QWMGQKpU8jPX6dE9VfUqpQ2RDa3LHCjmmgmlwmzQSOO

7-0-15	13-10-4	14-9-12	20-8-15	26-6-9	32-4-8	38-8-0	40-8-0
7-0-15	6-9-5	0-11-8	5-11-3	5-9-10	5-9-15	6-3-8	2-0-0

Scale = 1:70.5



7-0-15	13-10-4	14-9-12	23-7-4	32-4-8	32-6-4	38-8-0
7-0-15	6-9-5	0-11-8	8-9-9	8-9-4	0-1-12	6-1-12

Plate Offsets (X,Y) [3:0-3-0,0-2-4], [4.0-5-12,0-2-8], [9:Edge,0-0-6]

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 21 13-15 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0 64	Vert(TL) -0 34 13-15 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0 72	Horz(TL) 0 12 9 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 245 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
W1 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-1 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 4-9-0 oc bracing
WEBS 1 Row at midpt 2-16 4-16, 5-15 7 12

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

REACTIONS (lb/size) 11=1135/0-3-8 (min 0-1 10) 9=249/0-3-8 (min 0-1-8) 20=968/0-3-8 (min. 0-1-8)
Max Horz 20=-237(LC 13)
Max Uplift 11=-290(LC 13) 9=-205(LC 9) 20=-239(LC 12)
Max Grav 11=1247(LC 2), 9=301(LC 28) 20=1029(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1280/659 2-3=-1274/774, 3-4=-1135/772 4-5=-1281/779, 5-6=-1563/941 6-7=-1653/924, 7-8=-91/270 8-9=-309/526 19-20=-1196/656, 1 19=-1162/656
BOT CHORD 18-19=-90/362 18-24=-268/1066, 17-24=-266/1066, 16-17=-266/1066, 15-16=-200/1021 15-25=-462/1345, 14-25=-462/1345, 14-26=-462/1345, 13-26=-462/1345 12-13=-569/1376, 11 12=-1372/712, 8-12=-375/326, 9-11=-627/372
WEBS 2-18=-391/350 4-16=-305/109, 4-15=-196/522, 5-15=-490/391 7-12=-1698/723, 1-18=-655/1215

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4 2psf; BCDL=3.0psf; h=18ft, Cat. II Exp C, Encl. GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1 60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
6) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
7) Bearing at joint(s) 20 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=290, 9=205, 20=239
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

April 15,2014

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

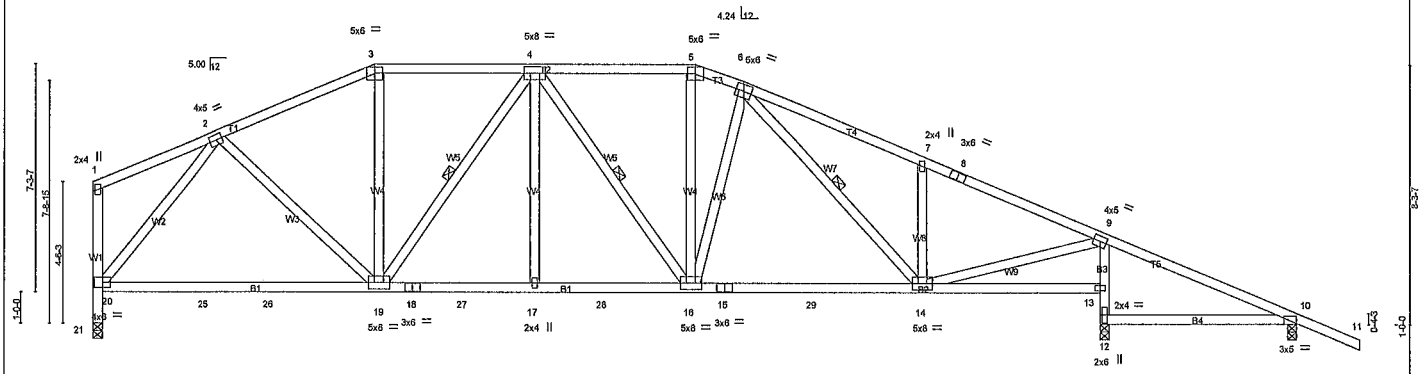
Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T24	Hip Truss	1	1	I8079256
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:50:18 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-mU99T1tdzF2qCO67IC4?WUmI0bnryPCVwyUWbzzQSOJ

4-1-2	9-0-11	14-2-10	19-4-9	20-10-15	26-7-11	32-4-8	38-8-0	40-8-0
4-1-2	4-11-9	5-1-15	5-1-15	1-6-6	5-8-13	5-8-13	6-3-8	2-0-0

Scale = 1:71.2



9-0-11	14-2-10	19-4-9	26-7-11	32-4-8	38-8-0
9-0-11	5-1-15	5-1-15	7-3-2	5-8-13	6-3-8

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

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 18	19-20	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0 34	19-20	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 96	Horz(TL)	0.12	10	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 241 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
W1 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-6-9 oc bracing.
WEBS 1 Row at midpt 4-19 4-16, 6-14

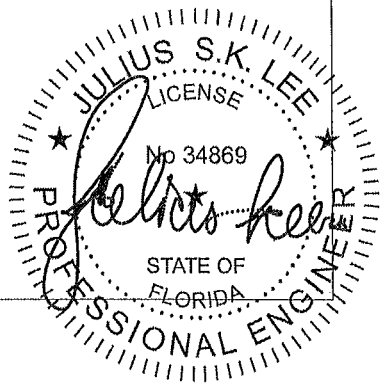
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=1181/0-3-8 (min 0-1 11), 10=236/0-3-8 (min 0-1-8) 21=969/0-3-8 (min 0-1-8)
Max Horz 21=-212(LC 13)
Max Uplift 12=-284(LC 8) 10=-202(LC 9) 21=-240(LC 9)
Max Grav 12=1282(LC 2) 10=288(LC 28) 21=1026(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1302/696, 3-4=-1177/687 4-5=-1428/832 5-6=-1521/873 6-7=-1663/1003, 7-8=-1531/855, 8-9=-1621/838, 9-10=-313/536, 20-21=-1182/634
BOT CHORD 20-25=-133/776, 25-26=-133/776 19-26=-133/776, 18-19=-374/1359, 18-27=-374/1359 17-27=-374/1359 17-28=-374/1359, 16-28=-374/1359 15-16=-415/1354 15-29=-415/1354, 14-29=-415/1354 12-13=-1410/703, 9-13=-1385/713 10-12=-642/379
WEBS 2-19=-123/401 4-19=-492/266, 5-16=-182/352 7 14=-368/336, 9-14=-591/1549, 2-20=-1338/794

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf BCDL=3.0psf h=18ft; Cat. II Exp C Encl. GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=284, 10=202, 21=240.
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



April 15,2014

⚠ *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

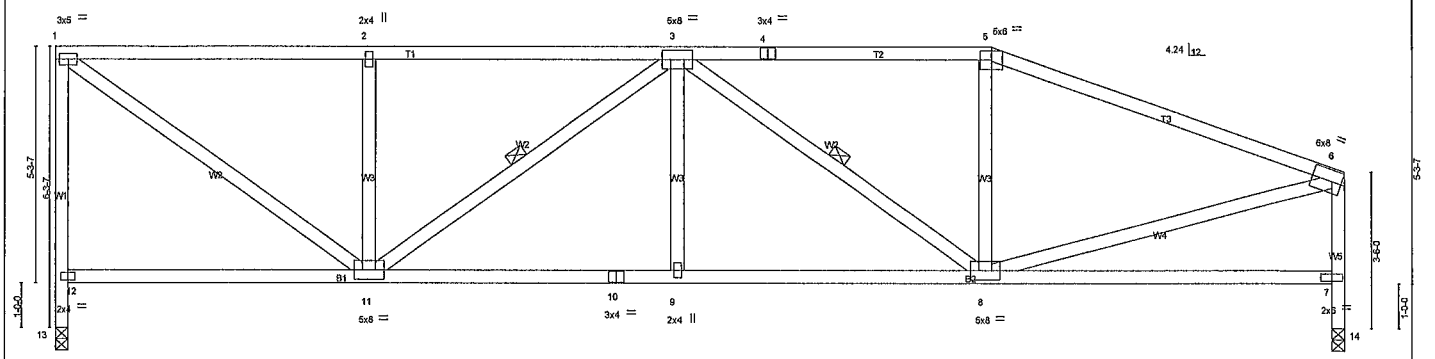
Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T26	Half Hip Truss	1	1	I8079258
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13.50:21 2014 Page 1

ID sXrmzdKhgurWlmYdVniLX1zQVAz-B3rl63vWGAQP3rrizKdi86OmEoqG9mkxcwiACIzQSOG

7-0-12	13-11-11	21-0-7	28-11-0	30-11-0
7-0-12	6-11-0	7-0-12	7-10-9	2-0-0

Scale = 1:49.8



7-0-12	13-11 11	21-0-7	28-9-4
7-0-12	6-11-0	7-0-12	7-8-13

Plate Offsets (X,Y). [5:0-3-0,0-2-7]

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 11	7-8	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.20	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 98	Horz(TL)	0 08	14	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 169 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-1 oc bracing
WEBS 1 Row at midpt 3-11 3-8

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

REACTIONS (lb/size) 13=773/0-3-8 (min 0-1-8) 14=773/0-3-7 (min. 0-1-8)
Max Horz 13=-93(LC 9)
Max Uplift 13=-294(LC 9) 14=-263(LC 9)
Max Grav 13=916(LC 2), 14=916(LC 2)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-941/536, 1 12=-905/541 1-2=-1038/567 2-3=-1038/567 3-4=-1133/681 4-5=-1133/681 5-6=-1239/658 7 14=-945/509, 6-7=-905/527
BOT CHORD 10-11=-653/1364 9-10=-653/1364 8-9=-653/1364
WEBS 1-11=-718/1263, 2-11=-410/313, 3-11=-449/289, 3-8=-345/148, 6-8=-492/1040

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=18ft; Cat. II Exp C· Encl GCpi=0.18 MWFRS (envelope) 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) Provide adequate drainage to prevent water ponding
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 13, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula Building designer should verify capacity of bearing surface
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=294, 14=263.
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

April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T28	Half Hip Truss	1	1	I8079260
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Apr 15 13:50:25 2014 Page 1

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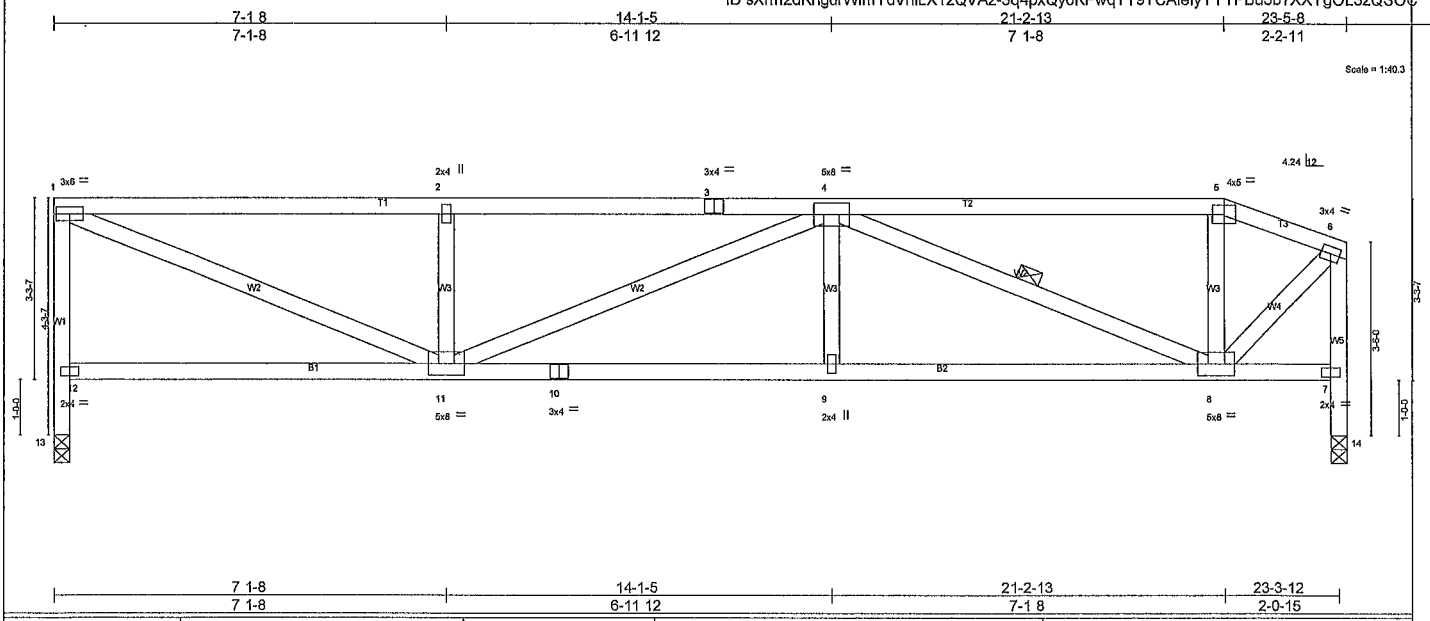


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	0 12	9-11	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.20	9-11	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0 07	14	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 128 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 4-3-14 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-8

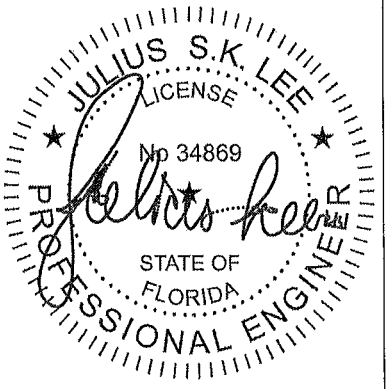
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 13=626/0-3-8 (min 0-1-8) 14=626/0-3-7 (min 0-1-8)
Max Horz 13=-25(LC 9)
Max Uplift 13=-230(LC 9) 14=-221(LC 9)
Max Grav 13=741(LC 2) 14=741(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-756/417 1-12=-720/431 1-2=-1317/716, 2-3=-1317/716, 3-4=-1317/716, 4-5=-554/321 5-6=-583/316, 7 14=-758/412 6-7=-760/407
BOT CHORD 10-11=-788/1482 9-10=-788/1482, 8-9=-788/1482
WEBS 1 11=-769/1390, 2-11=-404/306 4-8=-1022/552 6-8=-404/777

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft, Cat. II Exp C Encl. GCpi=0.18, MWFRS (envelope) 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) Provide adequate drainage to prevent water ponding
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
6) Bearing at joint(s) 13, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=230, 14=221
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



April 15,2014

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Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	McCarty Res.
567855	T30	Special Truss	3	1	I8079262
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries Inc. Tue Apr 15 13.50.28 2014 Page 1

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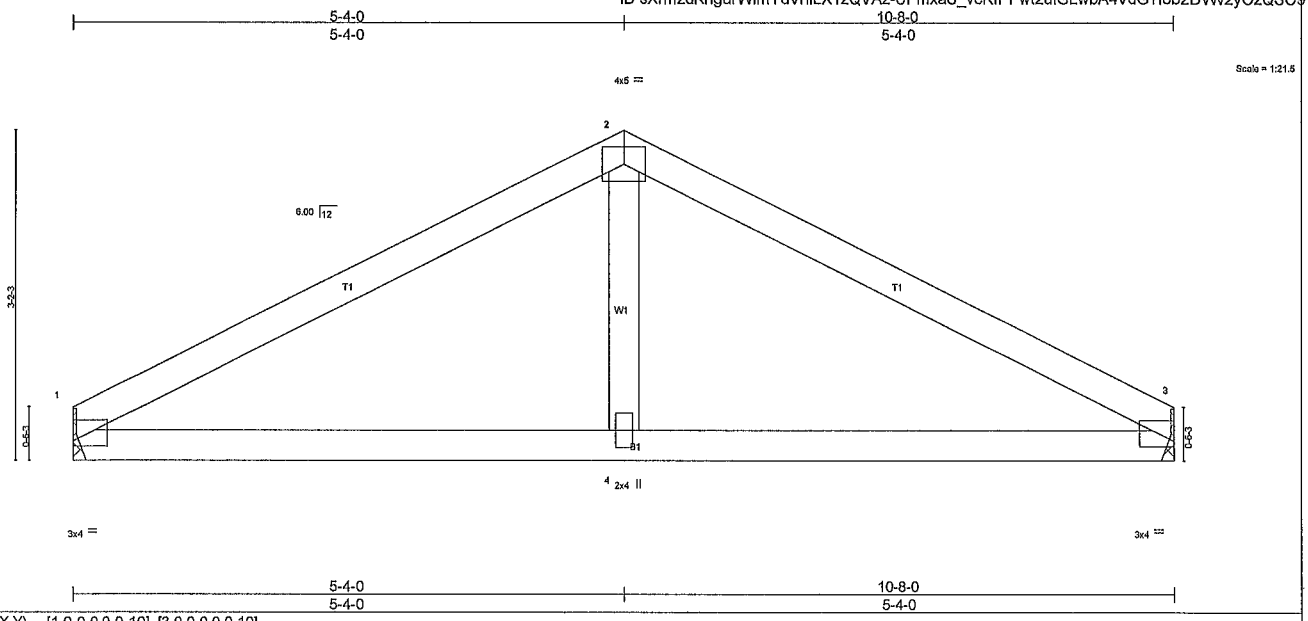


Plate Offsets (X,Y) [1 0-0-0,0-0-10], [3.0-0-0,0-0-10]

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 38	Vert(LL)	0 07	4-10	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0.31	Vert(TL)	0 06	4-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0 01	1	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 38 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 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 7-4-5 oc bracing.

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

REACTIONS (lb/size) 1=288/Mechanical 3=288/Mechanical
Max Horz 1=36(LC 11)
Max Uplift 1=-154(LC 9) 3=-154(LC 8)
Max Grav 1=341(LC 2), 3=341(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-468/752 2-3=-468/752
BOT CHORD 1-4=-581/362 3-4=-581/362
WEBS 2-4=-379/177

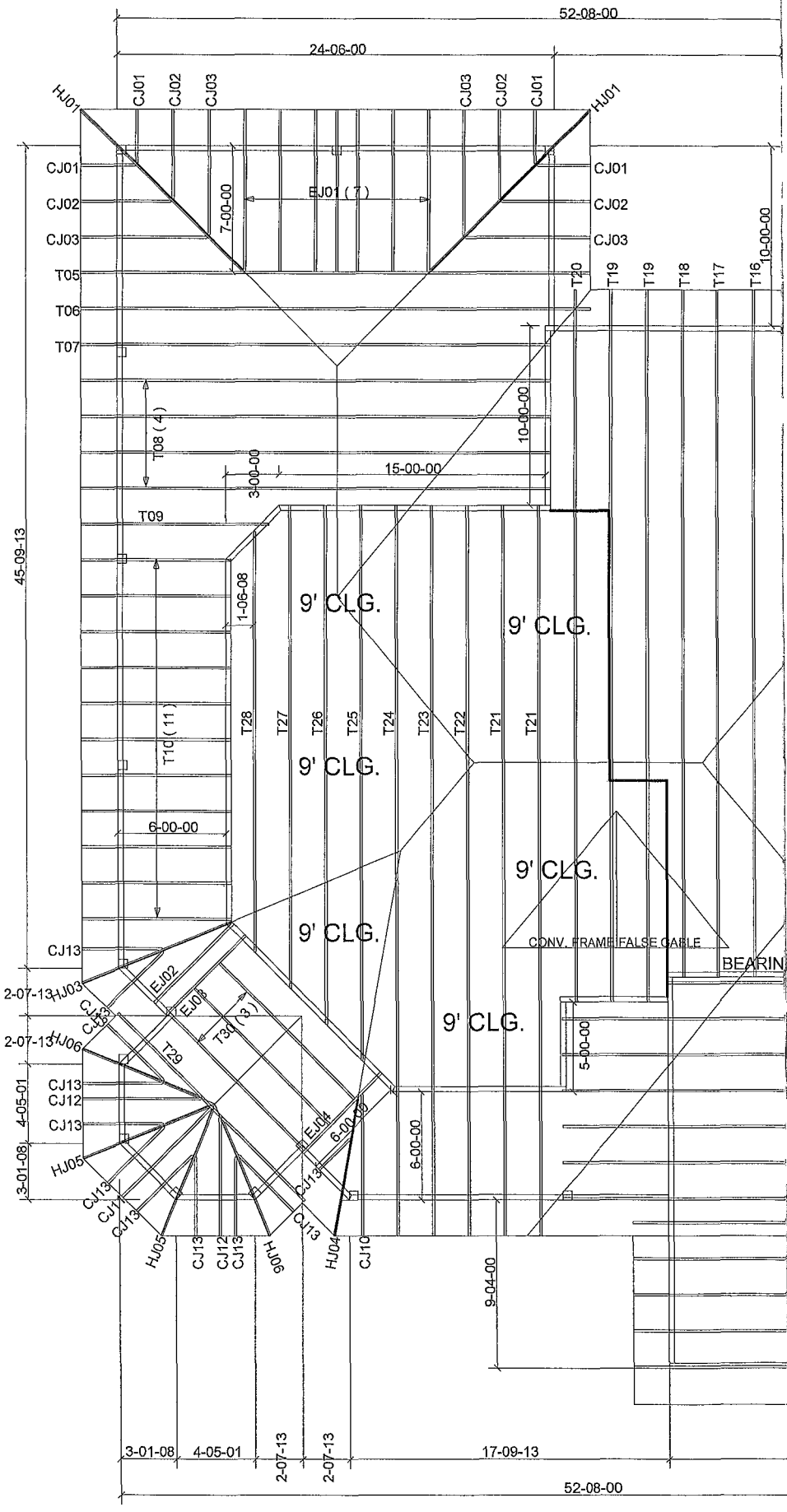
NOTES (8-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II Exp C, Encl GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1 60 plate grip DOL=1 60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=154 3=154.
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

April 15,2014

⚠ *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



MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYERH