Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	CJ01	Jack-Open Truss	4	1	I7822200
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:16 2014 Page 1

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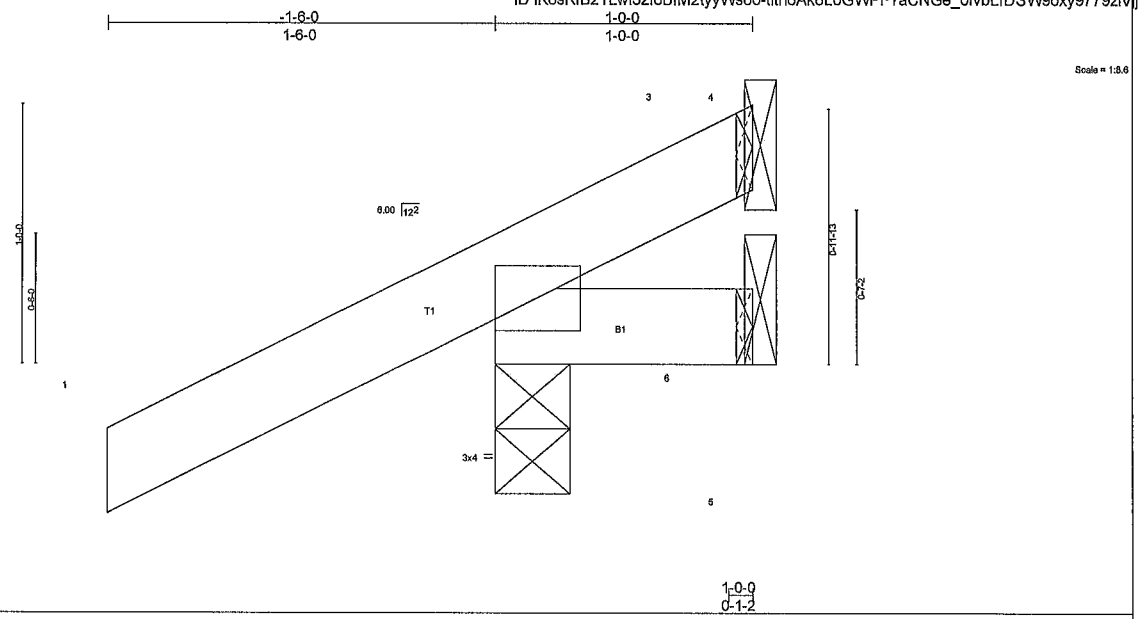

Plate Offsets (X,Y) [2:0-0-0,0-0-9]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.00	9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.05	Vert(TL)	0.00	9	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 6 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 2=145/0-3-8 (min. 0-1 8), 3=-7/Mechanical 6=-19/Mechanical
Max Horz 2=58(LC 12)
Max Uplift2=-103(LC 12) 3=-9(LC 2), 6=-25(LC 2)
Max Grav 2=177(LC 2) 3=12(LC 8) 6=23(LC 16)

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

NOTES (7-9)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=20ft; 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 103 lb uplift at joint 2 9 lb uplift at joint 3 and 25 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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822201
550284	CJ02	Jack-Open Truss	4	1	Job Reference (optional)	

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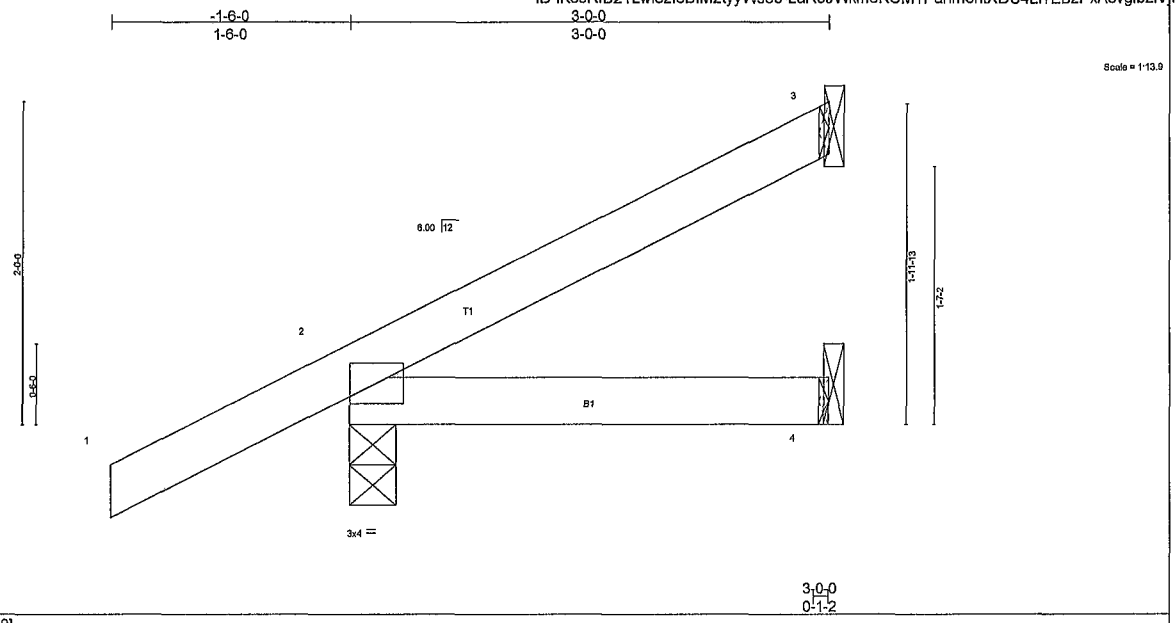


Plate Offsets (X,Y): [2:0-0-0,0-0-9]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	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: 12 lb	FT = 20%

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

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

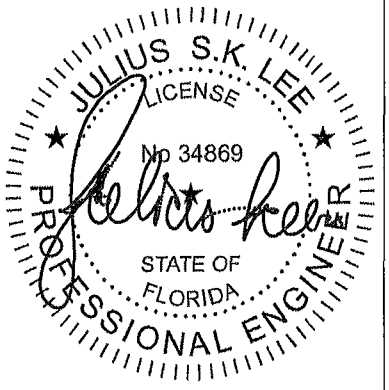
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=49/Mechanical 2=162/0-3-8 (min 0-1-8) 4=14/Mechanical
Max Horz 2=105(LC 12)
Max Uplift 3=-60(LC 12) 2=-95(LC 12)
Max Grav 3=59(LC 2), 2=196(LC 2) 4=38(LC 3)

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

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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 60 lb uplift at joint 3 and 95 lb uplift at joint 2
6) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee PE. Florida P E. License No 34869 Address 1109 Coastal Bay Blvd. Boynton Beach FL 33435

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	CJ03	Jack-Open Truss	3	1	I7822202
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:18 2014 Page 1

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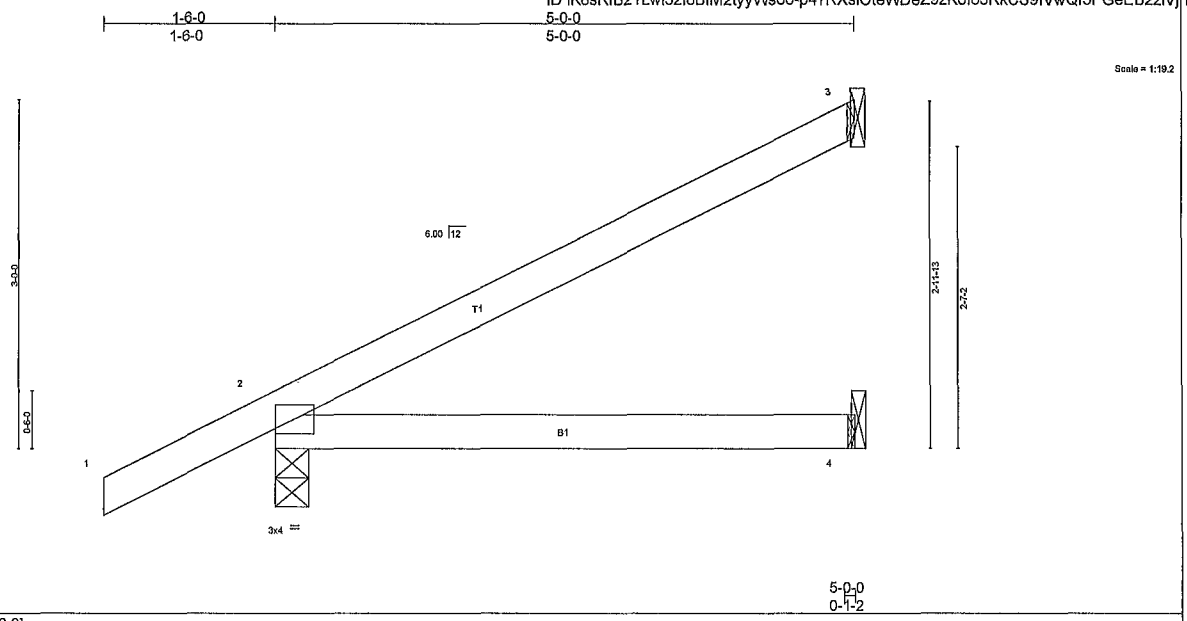

Plate Offsets (X,Y): [2:0-0-0,0-0-9]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.06	4-7	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 00	Horz(TL)	-0 01	3	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 18 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=91/Mechanical 2=209/0-3-8 (min. 0-1-8) 4=32/Mechanical
Max Horz 2=155(LC 12)
Max Uplift3=-109(LC 12) 2=-112(LC 12) 4=-4(LC 12)
Max Grav 3=111(LC 2) 2=251(LC 2), 4=68(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-349/202

NOTES (7-9)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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 109 lb uplift at joint 3, 112 lb uplift at joint 2 and 4 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

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

February 13,2014

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	SIMQUE RES.
550284	CJ03A	Jack-Open Truss	1	1	I7822203
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 52:19 2014 Page 1

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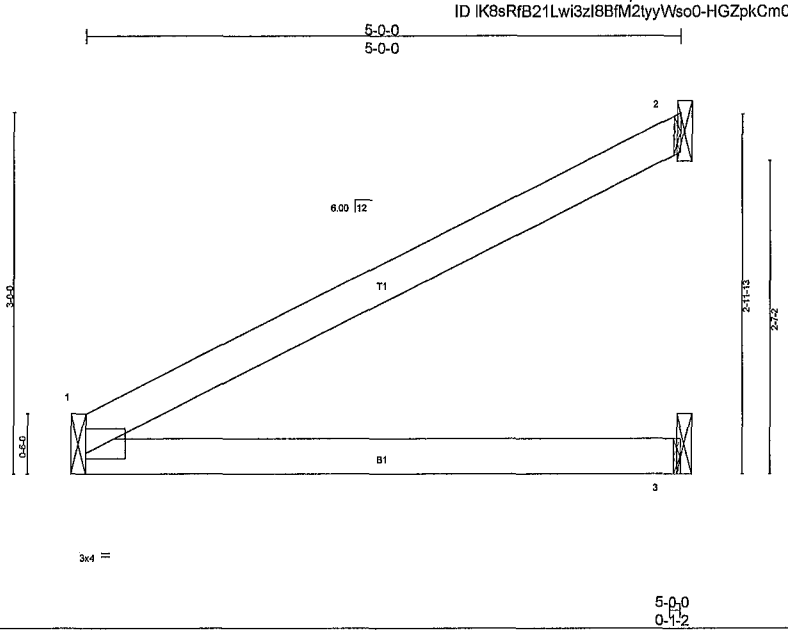


Plate Offsets (X,Y). [1.0-0-0,0-0-9]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 38	Vert(LL)	0.07	3-6	>889	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0 06	3-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0 01	2	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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

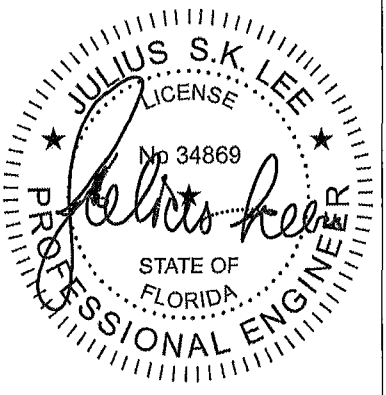
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=133/Mechanical, 2=96/Mechanical 3=37/Mechanical
Max Horz 1=123(LC 12)
Max Uplift 1=-52(LC 12) 2=-114(LC 12) 3=-9(LC 12)
Max Grav 1=158(LC 2) 2=117(LC 2), 3=69(LC 3)

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

NOTES (7-9)
1) Wind ASCE 7-10· Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf· BCDL=3.0psf· h=20ft; 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 52 lb uplift at joint 1 114 lb uplift at joint 2 and 9 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



February 13,2014

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	SIMQUE RES.
550284	CJ05	Jack-Open Truss	8	1	I7822204
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15.52:20 2014 Page 1

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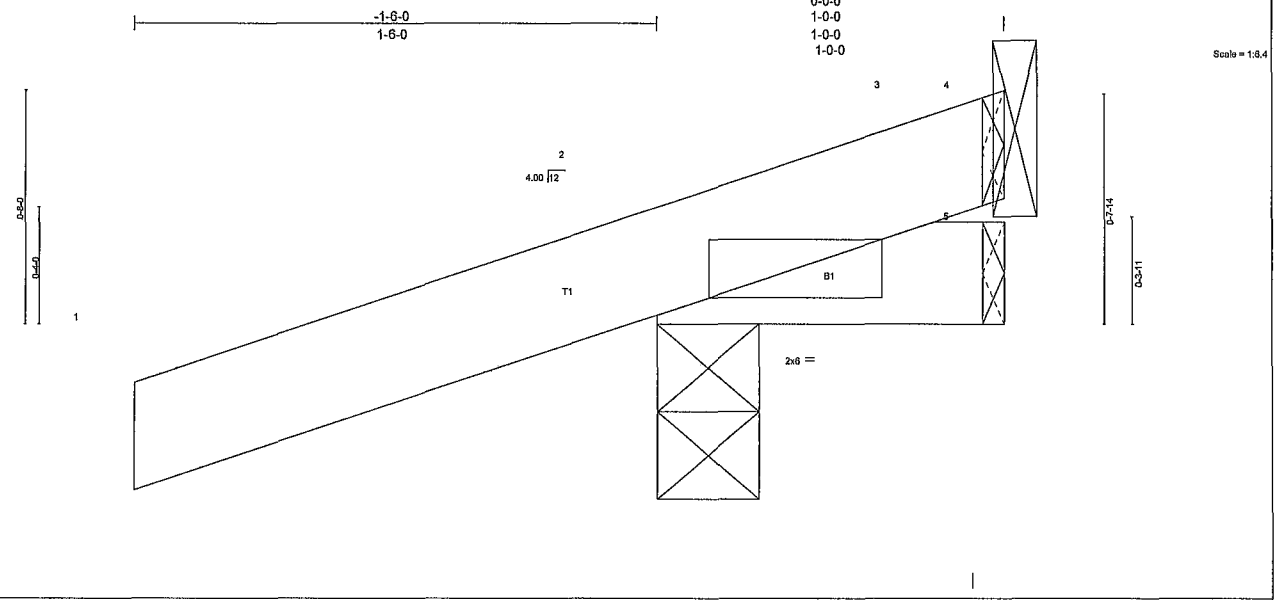

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TCLL	20.0	Plates Increase	1.25	TC	0 15	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 02	Vert(TL)	0 00	6	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 00	Horz(TL)	0 00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 6 lb	FT = 20%

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

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

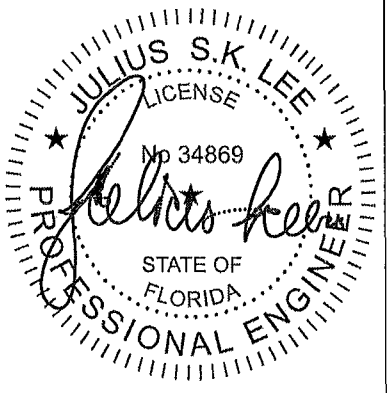
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=133/0-3-8 (min. 0-1 8) 3=-13/Mechanical
Max Horz 2=51(LC 8)
Max Uplift2=-155(LC 8) 3=-18(LC 2)
Max Grav 2=162(LC 2) 3=29(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=20ft; 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 155 lb uplift at joint 2 and 18 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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	CJ06	Jack-Open Truss	4	1	I7822205
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 7.360 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:21 2014 Page 1
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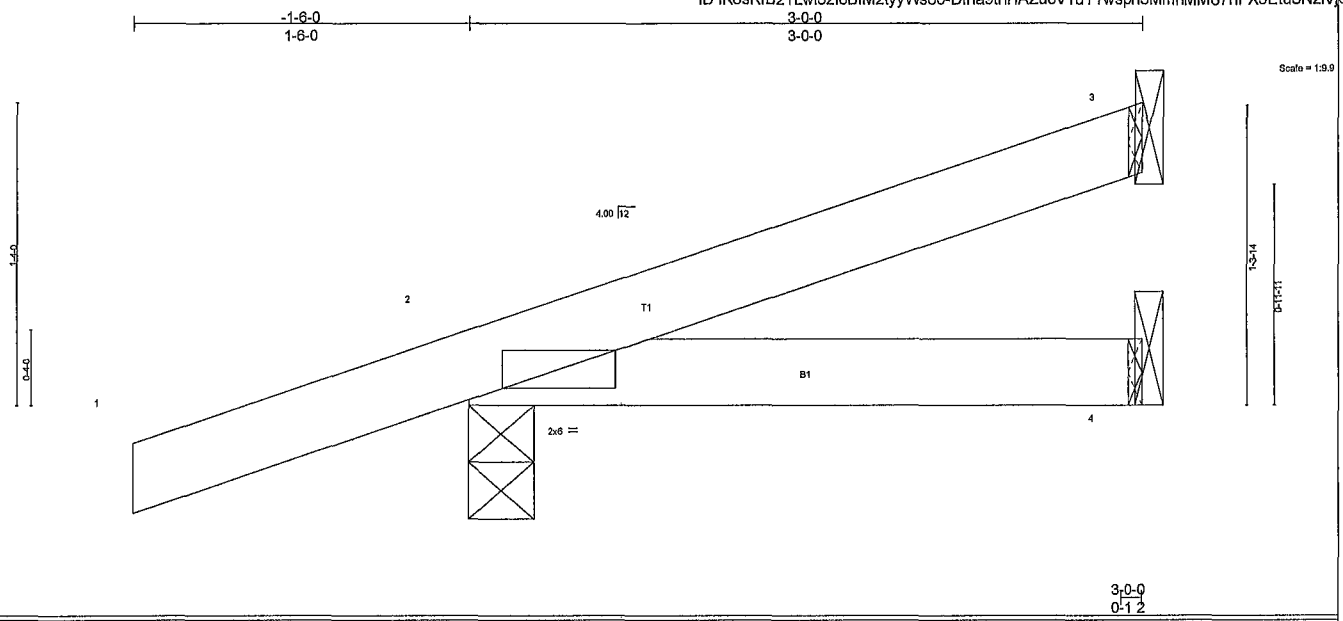

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
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TCDL	7 0	Lumber Increase	1.25	BC	0 04	Vert(TL)	-0.00	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 12 lb	FT = 20%

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

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

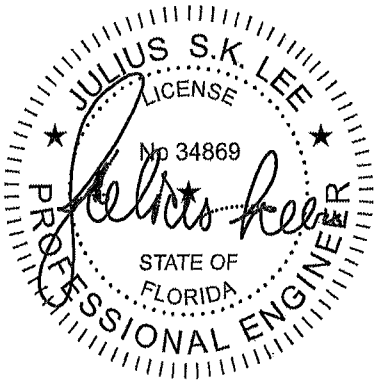
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=44/Mechanical 2=165/0-3-8 (min. 0-1-8), 4=16/Mechanical
Max Horz 2=82(LC 8)
Max Uplift3=-45(LC 12) 2=-150(LC 8) 4=-1(LC 12)
Max Grav 3=53(LC 2), 2=199(LC 2), 4=33(LC 3)

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

NOTES (7-9)
1) Wind. ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=20ft; 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 45 lb uplift at joint 3 150 lb uplift at joint 2 and 1 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



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	CJ07	Jack-Open Truss	4	1	I7822206
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15.52:21 2014 Page 1
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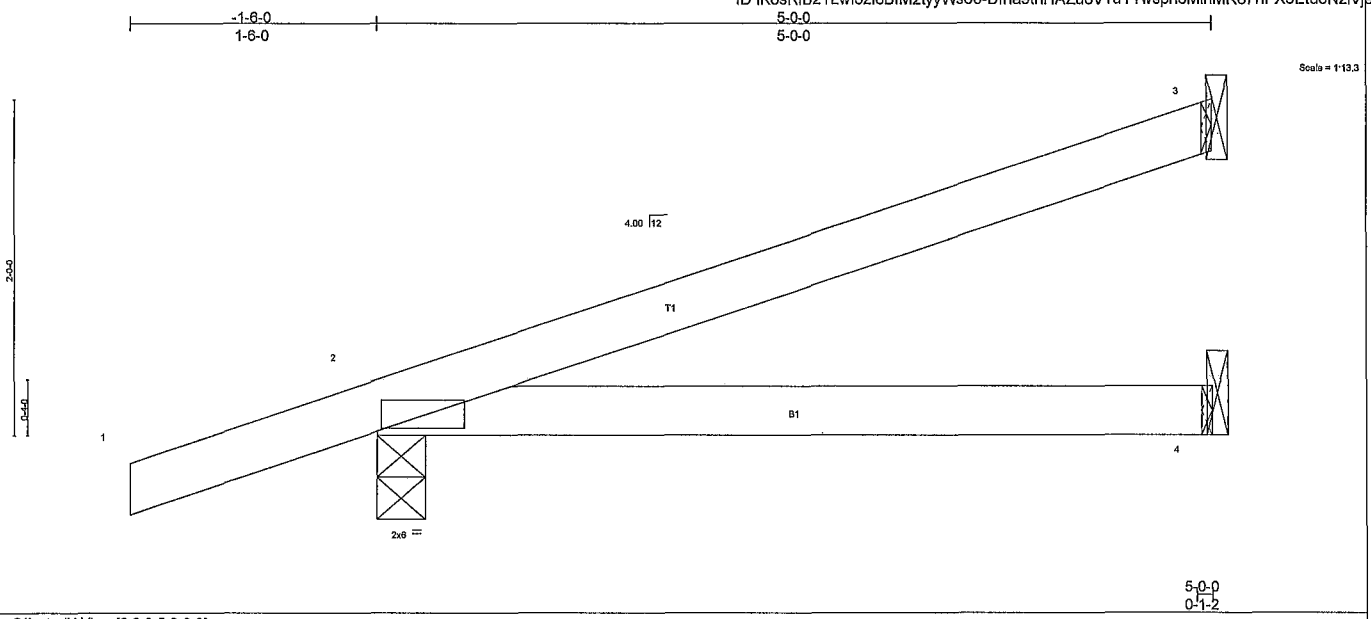


Plate Offsets (X,Y) [2:0-6-5,0-0-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	0 03	4-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.03	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0 00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 18 lb	FT = 20%

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

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

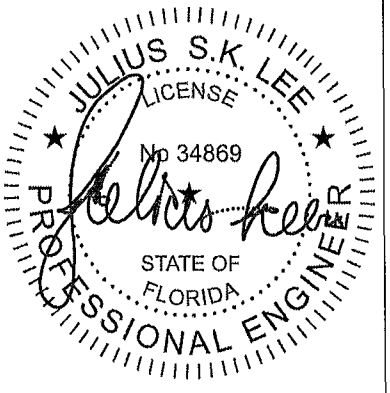
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=79/Mechanical 2=227/0-3-8 (min. 0-1-8) 4=26/Mechanical
Max Horz 2=115(LC 8)
Max Uplift3=-82(LC 12) 2=-183(LC 8)
Max Grav 3=97(LC 2), 2=272(LC 2) 4=57(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-448/278
BOT CHORD 2-4=-398/528

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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 82 lb uplift at joint 3 and 183 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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	EJ01	Jack-Partial Truss	7	1	I7822207
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:22 2014 Page 1

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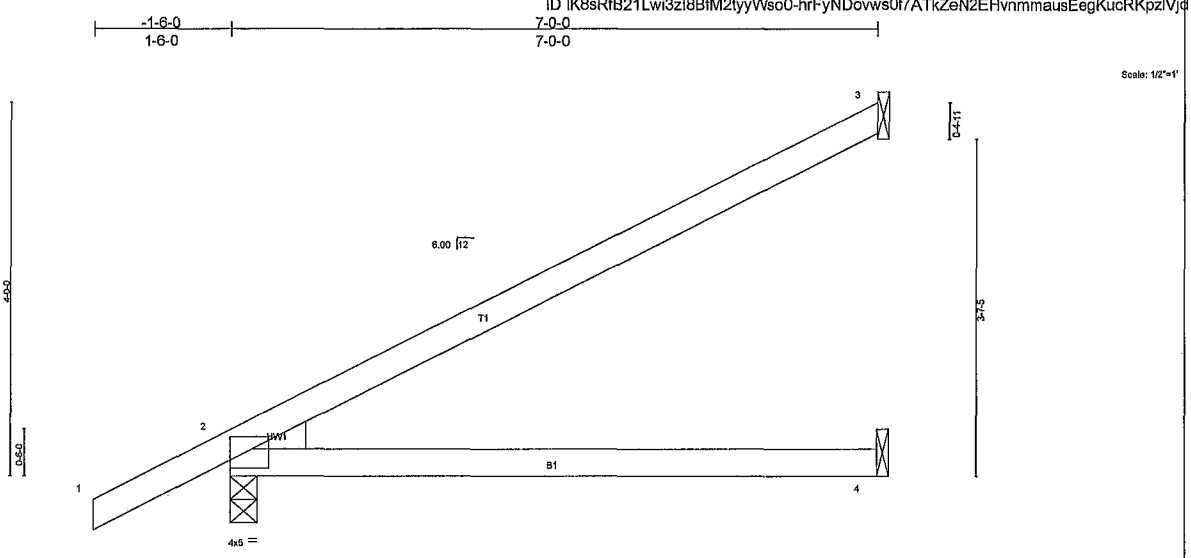


Plate Offsets (X,Y). [2:0-0-0,0-1-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 77	Vert(LL)	0.20	4-7	>411	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.21	4-7	>396	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0 03	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 26 lb	FT = 20%

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

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

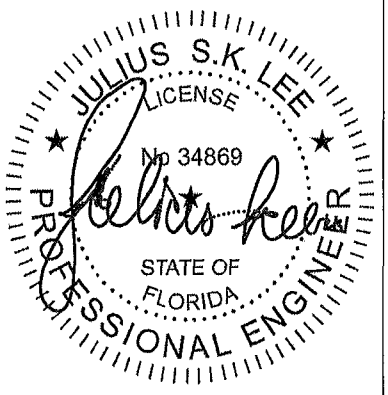
MiTek recommends that Stabilizers and required cross bracing be installed *during truss erection, in accordance with Stabilizer Installation guide.*

REACTIONS (lb/size) 3=132/Mechanical 2=260/0-3-8 (min 0-1-8) 4=48/Mechanical
Max Horz 2=141(LC 12)
Max Uplift 3=-101(LC 12) 2=-69(LC 12)
Max Grav 3=161(LC 2) 2=312(LC 2) 4=97(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-506/296
BOT CHORD 2-4=-309/191

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=20ft; Cat. II Exp C Encl. GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 3 and 69 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



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	EJ02	Jack-Partial Truss	1	1	I7822208

Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52.23 2014 Page 1

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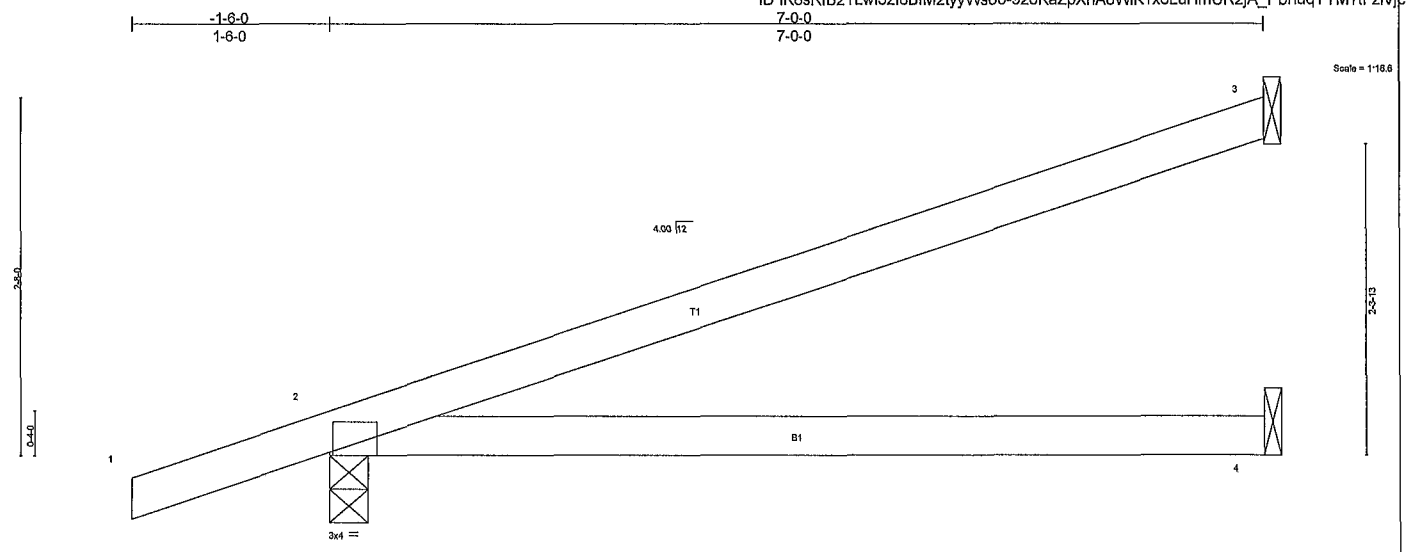

Plate Offsets (X,Y) [2:0-0-5,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.44	Vert(LL)	0 08	4-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0 11	4-7	>727	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0 01	2	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 24 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-9 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) 3=113/Mechanical 2=293/0-3-8 (min 0-1-8) 4=34/Mechanical
Max Horz 2=106(LC 8)
Max Uplift 3=-75(LC 12) 2=-139(LC 8)
Max Grav 3=138(LC 2) 2=350(LC 2) 4=79(LC 3)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-965/692
BOT CHORD 2-4=-919/1145

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 3 and 139 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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	EJ03	Jack-Partial Truss	3	1	I7822209
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:24 2014 Page 1

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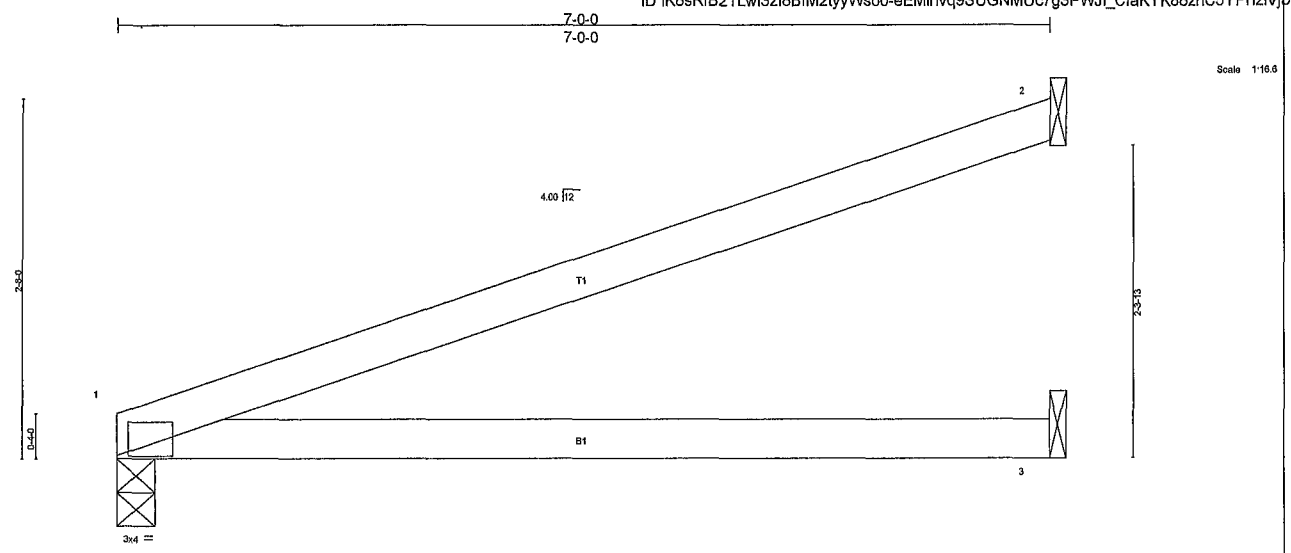

Plate Offsets (X,Y) [1.0-1-1,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.09	3-6	>952	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0 12	3-6	>697	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 00	Horz(TL)	-0 01	1	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 22 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 5-8-8 oc purlins
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

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

REACTIONS (lb/size) 1=224/0-3-8 (min. 0-1 8) 2=114/Mechanical 3=36/Mechanical
Max Horz 1=80(LC 8)
Max Uplift 1=-73(LC 8), 2=-76(LC 8)
Max Grav 1=266(LC 2) 2=140(LC 2), 3=80(LC 3)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1009/835
BOT CHORD 1-3=-1085/1208

NOTES (7-9)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf BCDL=3.0psf h=20ft; Cat. II Exp C, Encl GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 1 and 76 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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822210
550284	EJ04	MONO TRUSS	1	1	Job Reference (optional)	

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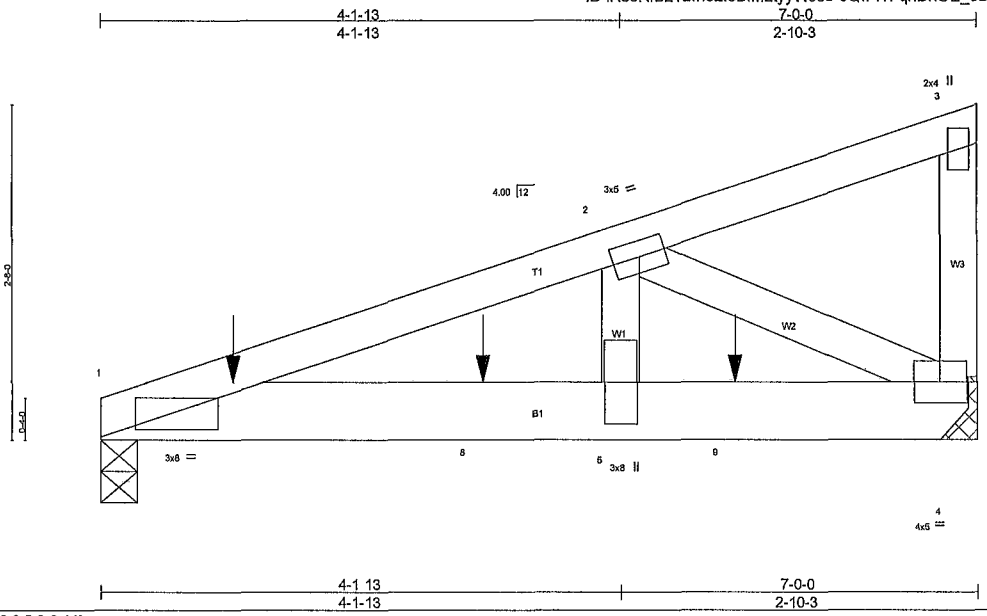

Plate Offsets (X,Y) [1 0-3-5,0-0-11]

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 04	5-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0 07	5-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 36 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 4-5-7 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=847/0-3-8 (min. 0-1-8) 4=789/Mechanical
Max Horz 1=77(LC 4)
Max Uplift 1=-134(LC 4) 4=-126(LC 4)
Max Grav 1=947(LC 2) 4=870(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 1 2=-1538/166
BOT CHORD 1-8=-215/1456, 5-8=-205/1456, 5-9=-205/1456, 4-9=-205/1456
WEBS 2-5=-63/982, 2-4=-1623/228

NOTES (9-11)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl. GCpi=0 18 MWFRS (envelope) 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 134 lb uplift at joint 1 and 126 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) 399 lb down and 72 lb up at 1-0-12, and 463 lb down and 30 lb up at 3-0-12 and 527 lb down and 35 lb up at 5-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee PE. Florida P E. License No. 34869: Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-10 1-3=-44
Concentrated Loads (lb)
Vert: 7=-335(F) 8=-461(F) 9=-477(F)

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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	EJ05	Jack-Open Truss	6	1	I7822211
					Job Reference (optional)

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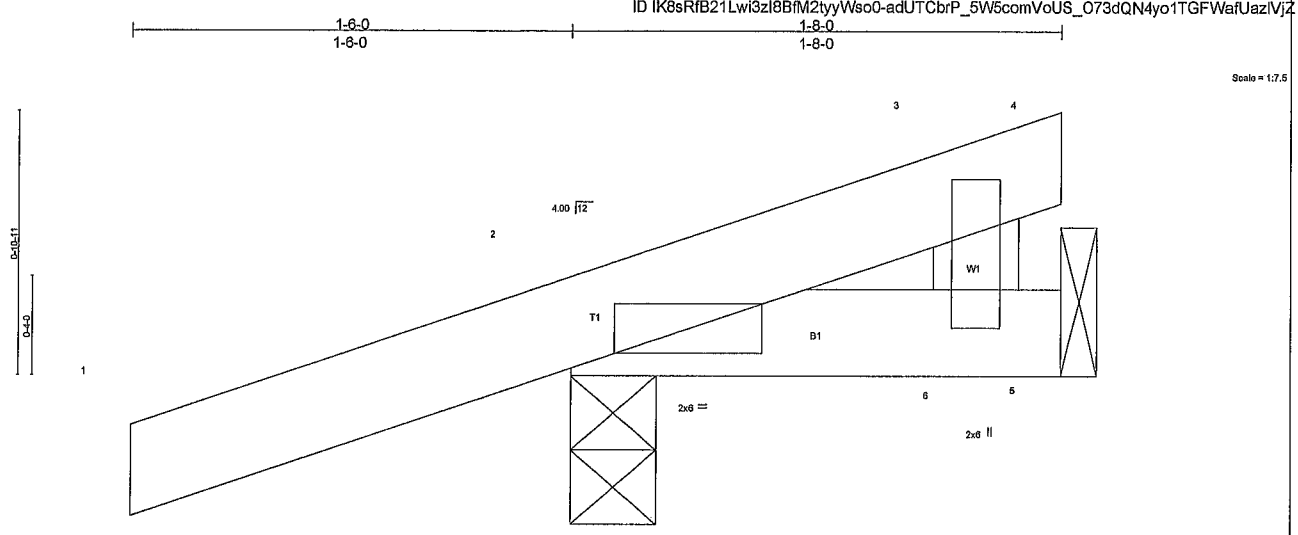

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 15	Vert(LL)	-0.00	9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 02	Vert(TL)	-0.00	9	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.01	Horz(TL)	0 00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 8 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-8-0 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=131/0-3-8 (min. 0-1-8), 6=16/Mechanical
Max Horz 2=60(LC 8)
Max Uplift 2=-141(LC 8) 6=-17(LC 12)
Max Grav 2=159(LC 2), 6=35(LC 3)

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

NOTES (7-9)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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 and 17 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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822212
550284	HJ01	Diagonal Hip Girder	2	1	Job Reference (optional)	

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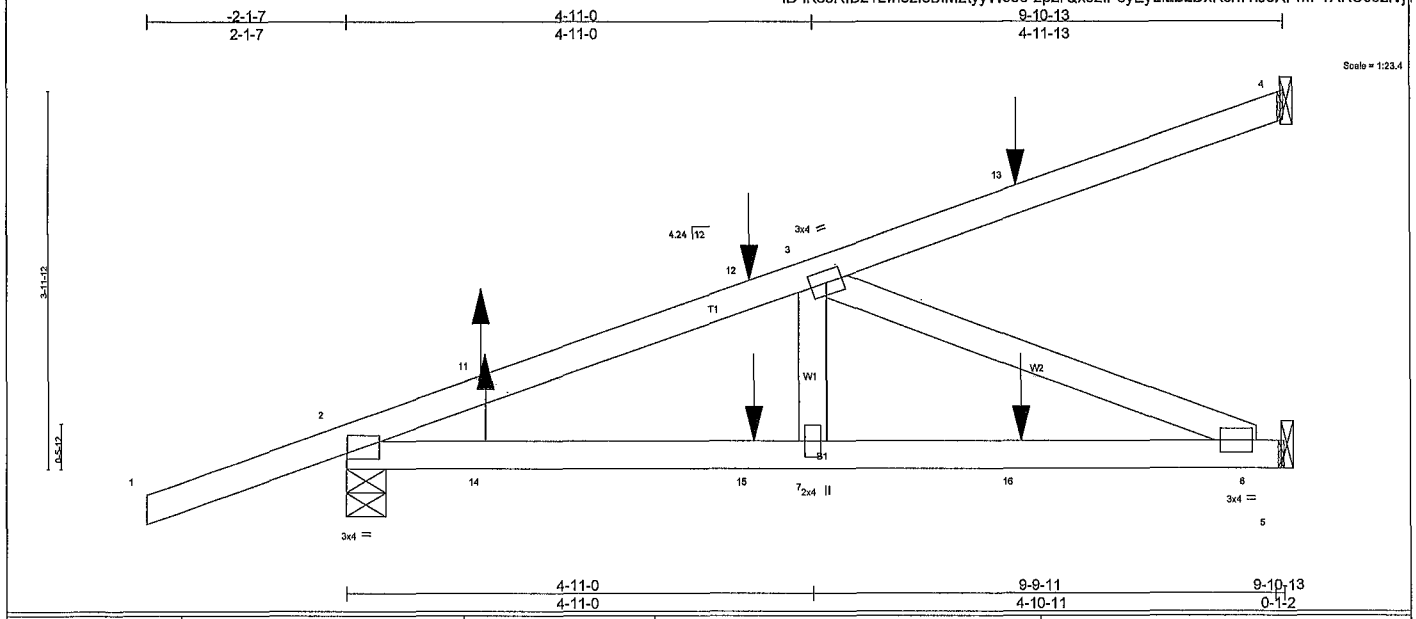

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0 11	6-7	>999	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0 33	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 44 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins
BOT CHORD Rigid ceiling directly applied or 8-8-0 oc bracing.

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

REACTIONS (lb/size) 4=125/Mechanical 2=372/0-4-15 (min. 0-1-8) 5=230/Mechanical
Max Horz 2=223(LC 4)
Max Uplift 4=-147(LC 4) 2=-276(LC 4) 5=-172(LC 8)
Max Grav 4=153(LC 2), 2=452(LC 2) 5=269(LC 2)

FORCES (lb) Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-647/316 11-12=-586/337 3-12=-579/326
BOT CHORD 2-14=-440/581 14-15=-440/581 7 15=-440/581 7 16=-440/581 8-16=-440/581
WEBS 3-6=-628/476

NOTES (9-11)
1) Wind. ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4 2psf· BCDL=3.0psf· h=20ft; Cat. II Exp C, Encl GCpi=0.18 MWFRS (envelope) gable end zone; Lumber DOL=1 60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 4, 276 lb uplift at joint 2 and 172 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) 36 lb down and 43 lb up at 1-5-12, 36 lb down and 43 lb up at 1-5-12, 7 lb down and 61 lb up at 4-3-11 7 lb down and 61 lb up at 4-3-11 and 57 lb down and 109 lb up at 7-1-10, and 57 lb down and 109 lb up at 7-1-10 on top chord and 1 lb down and 21 lb up at 1-5-12, 1 lb down and 21 lb up at 1-5-12 8 lb down and 2 lb up at 4-3-11 8 lb down and 2 lb up at 4-3-11 and 38 lb down and 14 lb up at 7 1-10, and 38 lb down and 14 lb up at 7-1-10 on bottom chord The design/selection of such connection device(s) is the responsibility of others
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B)
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer· Julius Lee, PE. Florida P E License No. 34869 Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular· Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 5-8=-10
Concentrated Loads (lb)
Vert: 11=28(F=14, B=14) 12=-9(F=-5, B=-5) 13=-94(F=-47 B=-47) 14=25(F=12, B=12) 15=-8(F=-4 B=-4) 16=-44(F=-22 B=-22)

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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822213
550284	HJ02	Diagonal Hip Girder	2	1	Job Reference (optional)	

Builders FirstSource, Lake City FL 32055

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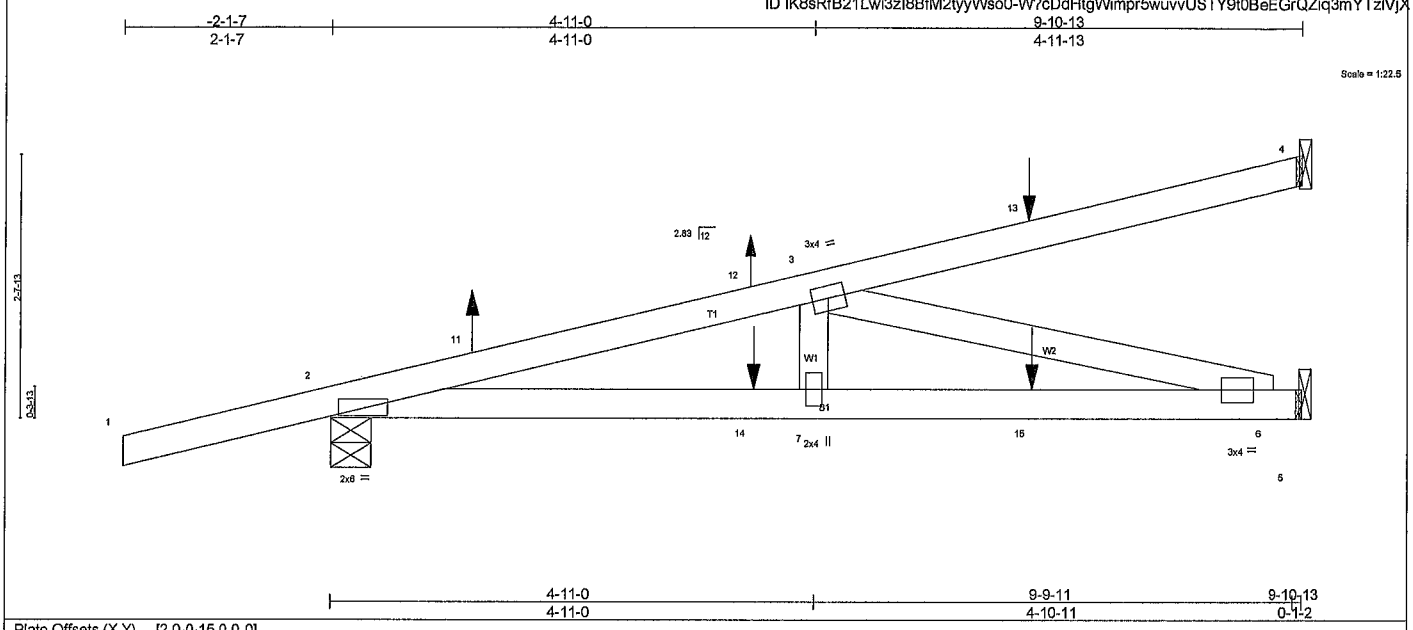


Plate Offsets (X,Y): [2,0-0-15,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	0 08	6-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0 11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0 43	Horz(TL)	0 01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 41 lb	FT = 20%

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

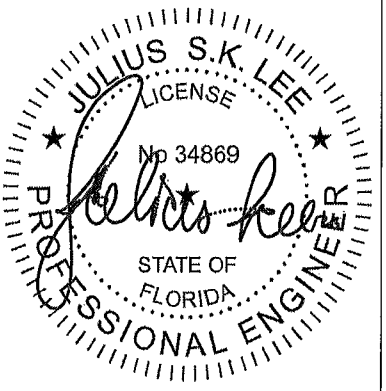
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7 1-8 oc bracing

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

REACTIONS (lb/size) 4=118/Mechanical 2=386/0-4-15 (min 0-1-8) 5=209/Mechanical
Max Horz 2=148(LC 4)
Max Uplift 4=-122(LC 4) 2=-333(LC 4) 5=-193(LC 4)
Max Grav 4=144(LC 2), 2=465(LC 2), 5=243(LC 2)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-893/556 11-12=-895/583 3-12=-857/583
BOT CHORD 2-14=-648/858, 7-14=-648/858, 7 15=-648/858, 6-15=-648/858
WEBS 3-6=-885/669

NOTES (9-11)
1) Wind ASCE 7-10 Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf BCDL=3.0psf; h=20ft; 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 122 lb uplift at joint 4 333 lb uplift at joint 2 and 193 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) 48 lb down and 39 lb up at 1-5-12, 48 lb down and 39 lb up at 1-5-12, 6 lb down and 45 lb up at 4-3-11 6 lb down and 45 lb up at 4-3-11 and 43 lb down and 82 lb up at 7 1-10 and 43 lb down and 82 lb up at 7-1-10 on top chord and 17 lb down and 11 lb up at 4-3-11 17 lb down and 11 lb up at 4-3-11, and 27 lb down at 7-1-10, and 27 lb down at 7-1-10 on bottom chord The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B)
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer Julius Lee PE. Florida P E. License No. 34869 Address 1109 Coastal Bay Blvd Boynton Beach, FL 33435



LOAD CASE(S) Standard
1) Regular Lumber Increase=1.25 Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 5-8=-10
Concentrated Loads (lb)
Vert: 11=26(F=13, B=13) 12=0(F=0, B=0) 13=-71(F=-35, B=-35) 14=-12(F=-6, B=-6) 15=-32(F=-16 B=-16)

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822214
550284	HJ03	Diagonal Hip Girder	2	1	Job Reference (optional)	

Builders FirstSource Lake City, FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15.52:28 2014 Page 1

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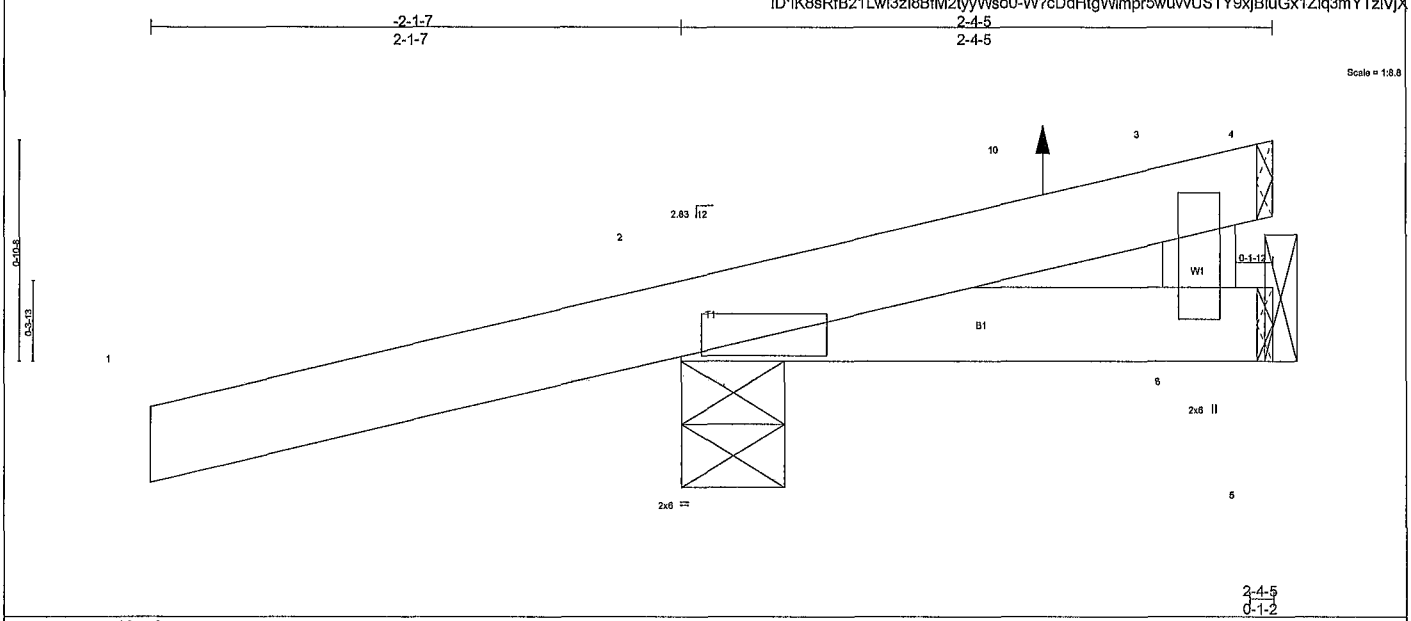

Plate Offsets (X,Y): [2:0-0-15,0-0-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	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 NO	WB 0.01	Horz(TL) 0.00 2 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 11 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-5 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=178/0-4-15 (min. 0-1-8) 6=8/Mechanical
Max Horz 2=60(LC 4)
Max Uplift2=-171(LC 4) 6=-30(LC 18)
Max Grav 2=218(LC 2), 6=64(LC 4)

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

NOTES (9-11)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl. GCpi=0 18, MWFRS (envelope) gable end zone Lumber DOL=1 60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 2 and 30 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 48 lb down and 39 lb up at 1-5-12, and 48 lb down and 39 lb up at 1-5-12 on top 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=26(F=13, B=13)

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822215
550284	PB01	GABLE	1	1	Job Reference (optional)	

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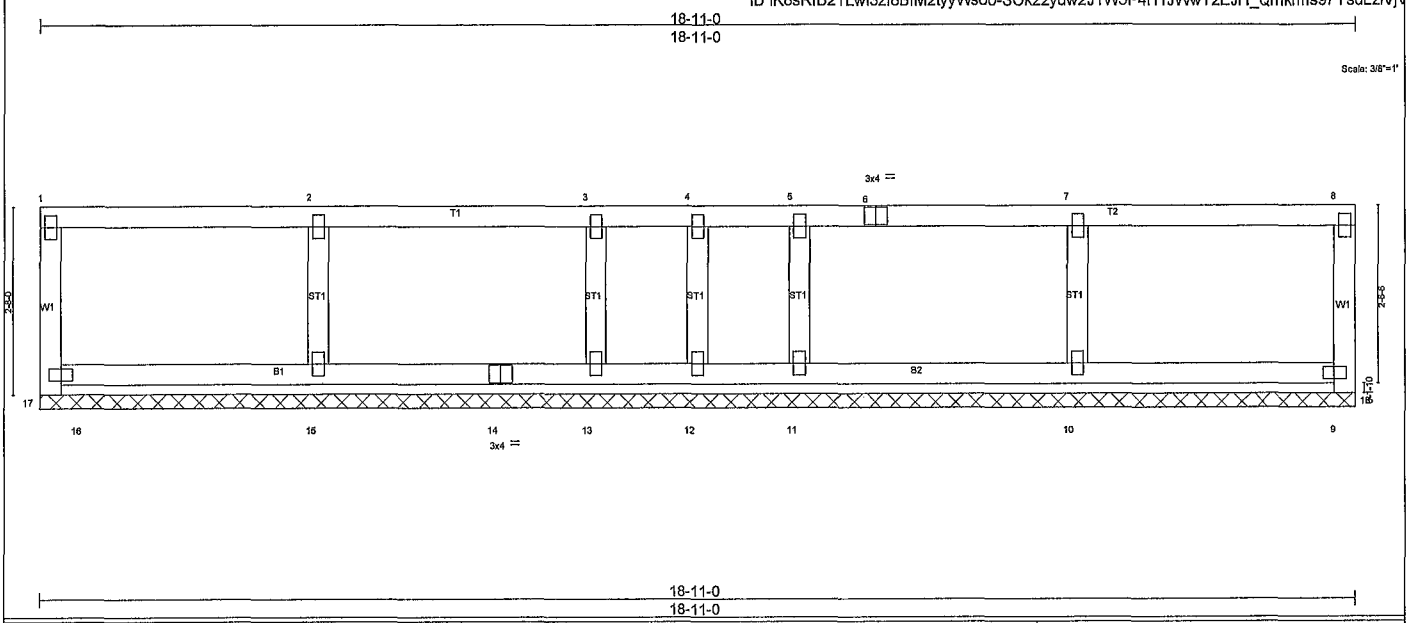


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 77 lb	FT = 20%

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

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

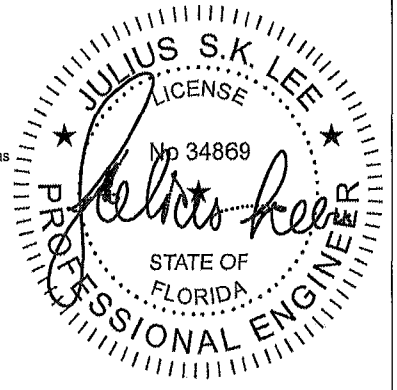
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 18-11-0.
(lb) Max Uplift All uplift 100 lb or less at joint(s) 16 12, 10 11 15, 13, 9
Max Grav All reactions 250 lb or less at joint(s) 16, 11 13, 9 except 10=280(LC 2) 15=280(LC 2)

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

NOTES (15-17)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft, Cat. II Exp C, Encl GCpi=0 18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only For studs exposed to wind (normal to the face) see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated
5) Gable requires continuous bottom chord bearing
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i e diagonal web)
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
11) Bearing at joint(s) 17 18, 16, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 12, 10, 11 15, 13 9
13) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
14) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer
15) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
16) Note Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
17) Truss Design Engineer: Julius Lee PE. Florida P E. License No 34869; Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822216
550284	PB02	GABLE	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:31 2014 Page 1

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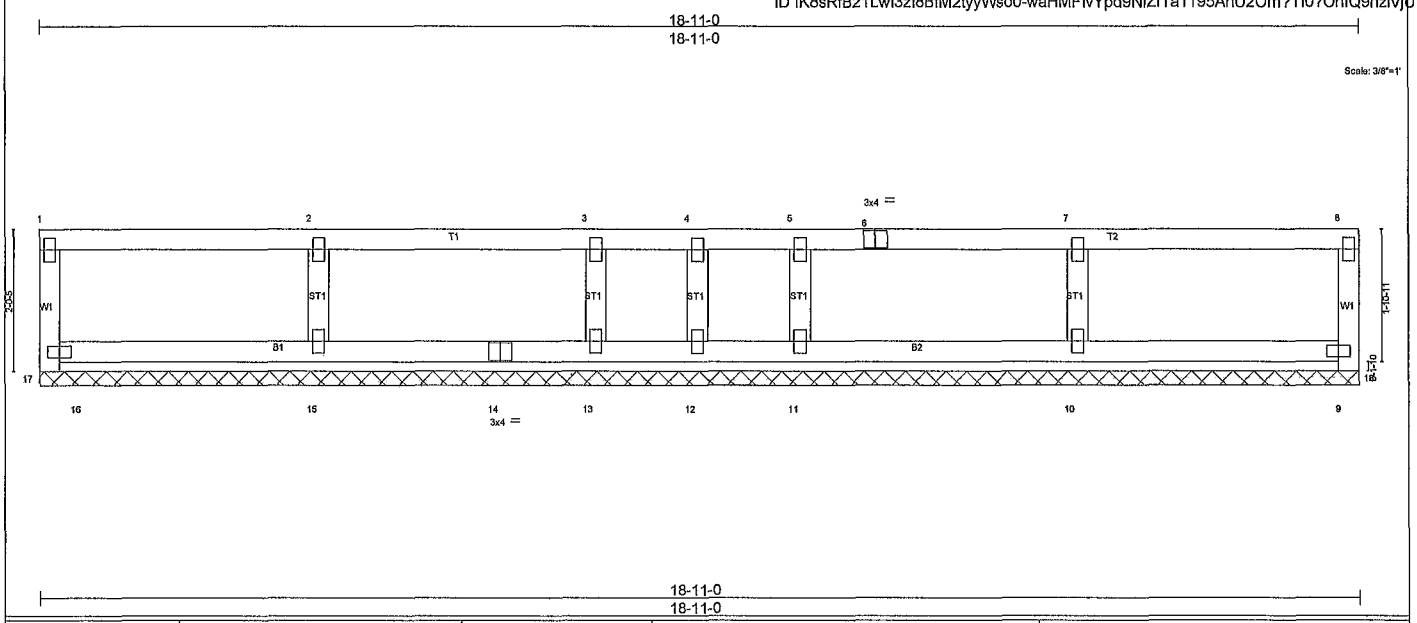

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	n/a		n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 70 lb	FT = 20%

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

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

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

REACTIONS All bearings 18-11-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 16, 12, 10, 11, 15, 13, 9
Max Grav All reactions 250 lb or less at joint(s) 16, 12, 11, 13, 9 except 10=279(LC 2) 15=279(LC 2)

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

NOTES (15-17)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
11) Bearing at joint(s) 17, 18, 16, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 12, 10, 11, 15, 13, 9.
13) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
14) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
15) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
16) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
17) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869 Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822217
550284	PB03	GABLE	1	1	Job Reference (optional)	

Builders FirstSource Lake City, FL 32055 7.360 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:33 2014 Page 1

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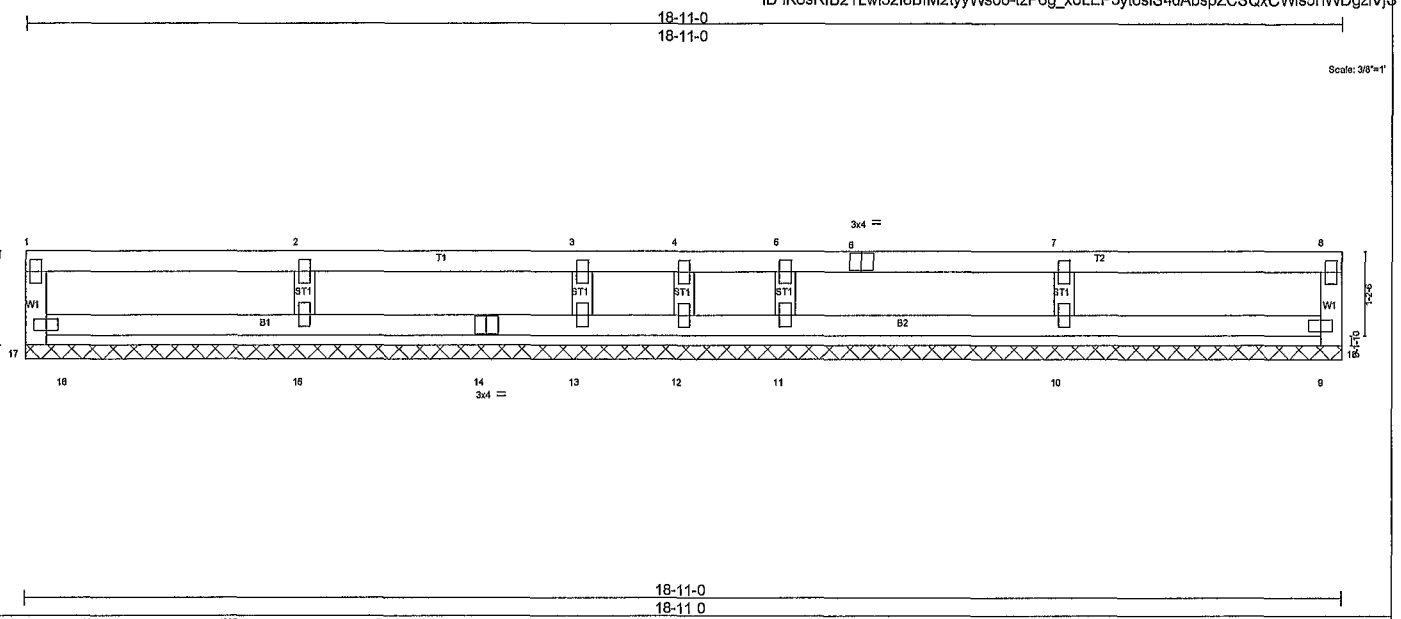


LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.16	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.10	Vert(TL) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(TL) 0.00 18 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix)		Weight: 63 lb FT = 20%

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

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

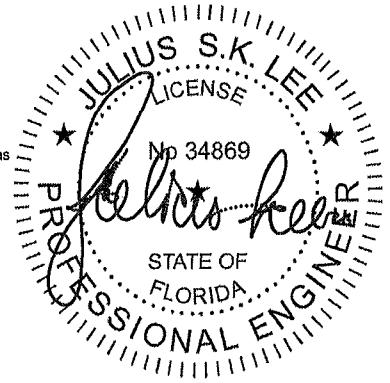
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 18-11-0
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 16, 12, 10, 11, 15, 13, 9
Max Grav All reactions 250 lb or less at joint(s) 16, 12, 11, 13, 9 except 10=279(LC 2) 15=279(LC 2)

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

NOTES (15-17)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft, Cat. II Exp C Encl GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
11) Bearing at joint(s) 17, 18, 16, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 12, 10, 11, 15, 13, 9.
13) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
15) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
16) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
17) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869 Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	PB04	Piggyback Truss	5	1	I7822218
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 52:34 2014 Page 1

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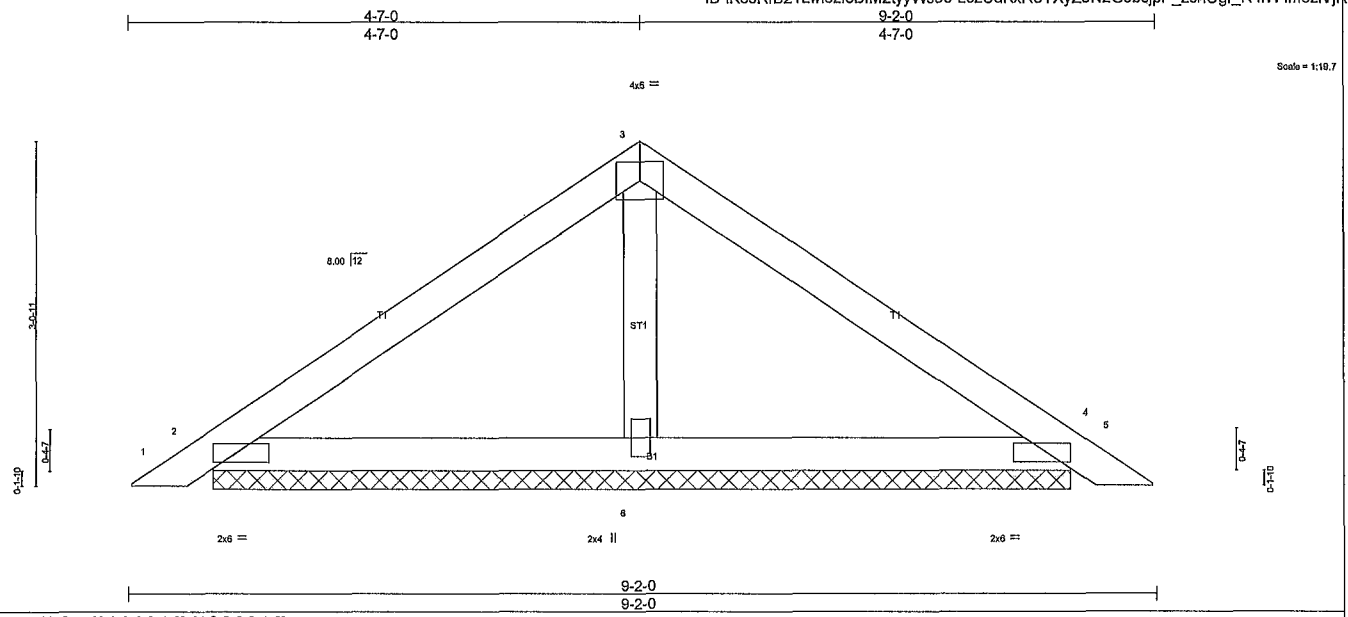


Plate Offsets (X,Y). [2:0-3-9,0-1-0], [4,0-3-9,0-1-0]

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 18	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 11	Vert(TL)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 04	Horz(TL)	0 00	4	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix)							Weight: 31 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.

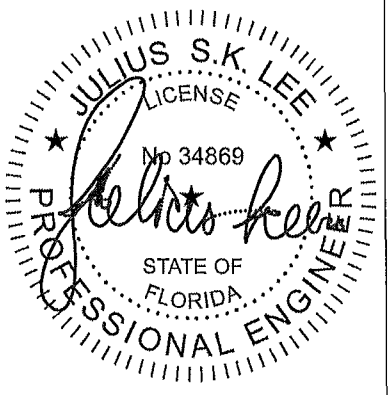
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=126/7 7 12 (min. 0-1-8), 4=126/7 7 12 (min. 0-1-8) 6=204/7 7-12 (min 0-1-8)
Max Horz 2=-73(LC 10)
Max Uplift2=-48(LC 12) 4=-56(LC 13) 6=-41(LC 12)
Max Grav 2=151(LC 2) 4=151(LC 2) 6=240(LC 2)

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

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=20ft; 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) Gable requires continuous bottom chord bearing.
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) 2 4, 6.
8) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable or consult qualified building designer
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



February 13,2014

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	SIMQUE RES.
550284	PB04G	GABLE	1	1	I7822219
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:35 2014 Page 1

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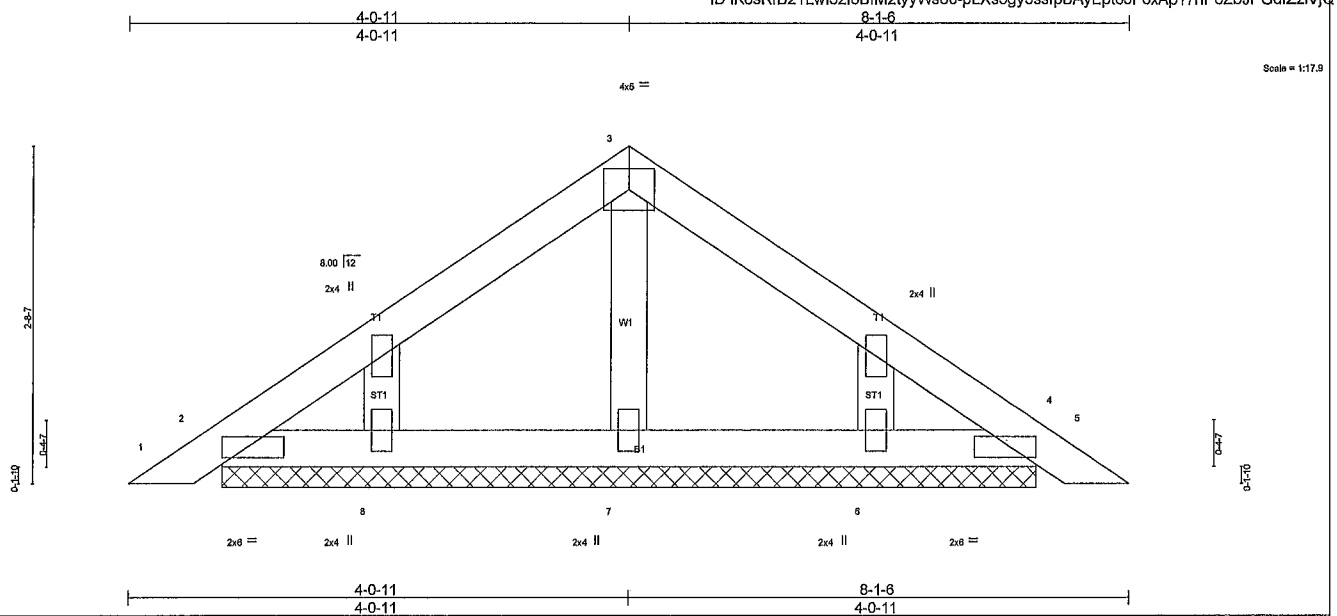


Plate Offsets (X,Y). [2:0-3-9,0-1-0], [4:0-3-9,0-1-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.11	Vert(LL) 0.00 4 n/r 120	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.11	Vert(TL) 0.00 4 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(TL) 0.00 4 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 29 lb FT = 20%

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

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

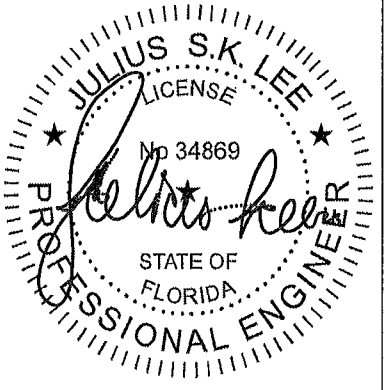
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 6-7-2
(lb) - Max Horz 2=-64(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 4, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 2 4 7 8 6, 2 4

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=20ft; 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) 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) Gable requires continuous bottom chord bearing.
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) 2, 4 8 6 2 4
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer
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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	PB05	Piggyback Truss	1	2	I7822220

Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:36 2014 Page 1

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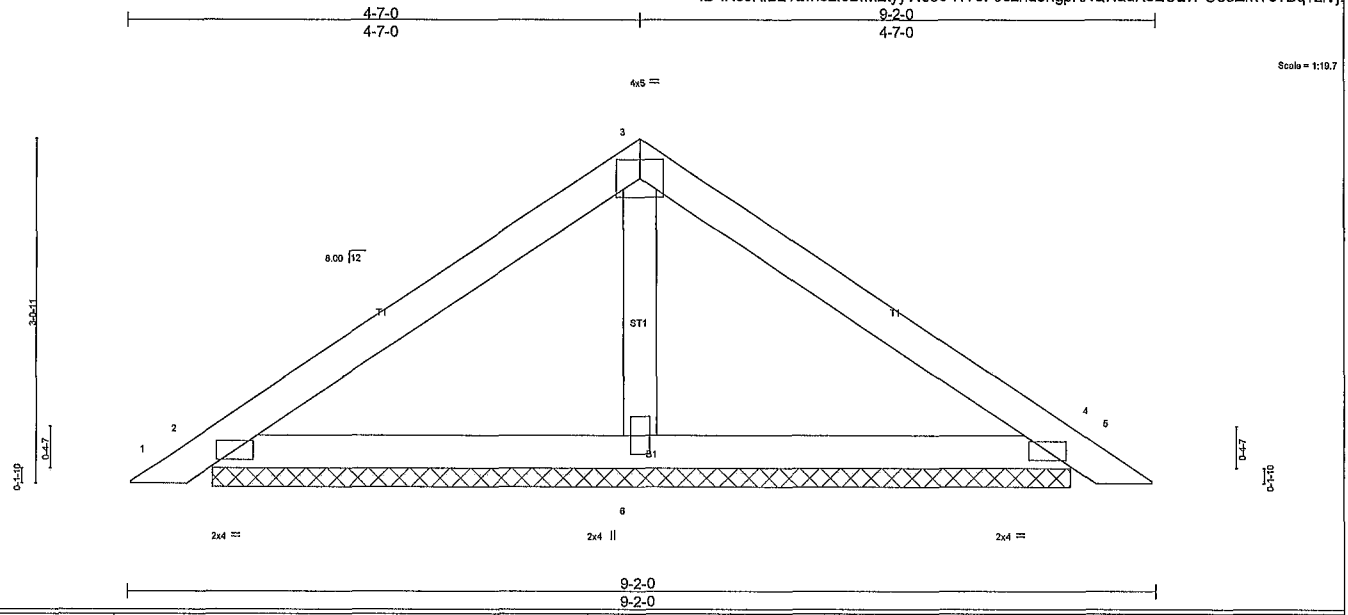

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.05	Vert(TL)	0 00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 02	Horz(TL)	0 00	4	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix)							Weight: 62 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

REACTIONS (lb/size) 2=126/7 7 12 (min. 0-1-8), 4=126/7 7-12 (min. 0-1-8) 6=204/7-7-12 (min 0-1 8)
Max Horz 2=-73(LC 10)
Max Uplift2=-48(LC 12) 4=-56(LC 13), 6=-41(LC 12)
Max Grav 2=151(LC 2) 4=151(LC 2), 6=240(LC 2)

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

NOTES (12-14)
1) 2-ply truss to be connected together with 10d (0.131'x3") nails as follows.
Top chords connected as follows. 2x4 1 row at 0-9-0 oc.
Bottom chords connected as follows 2x4 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B) unless otherwise indicated
3) Unbalanced roof live loads have been considered for this design
4) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf BCDL=3.0psf h=20ft; Cat. II Exp C Encl. GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1 60
5) Gable requires continuous bottom chord bearing.
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) 2 4 6
10) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer
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

February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822221
550284	PB06	Piggyback Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:37 2014 Page 1

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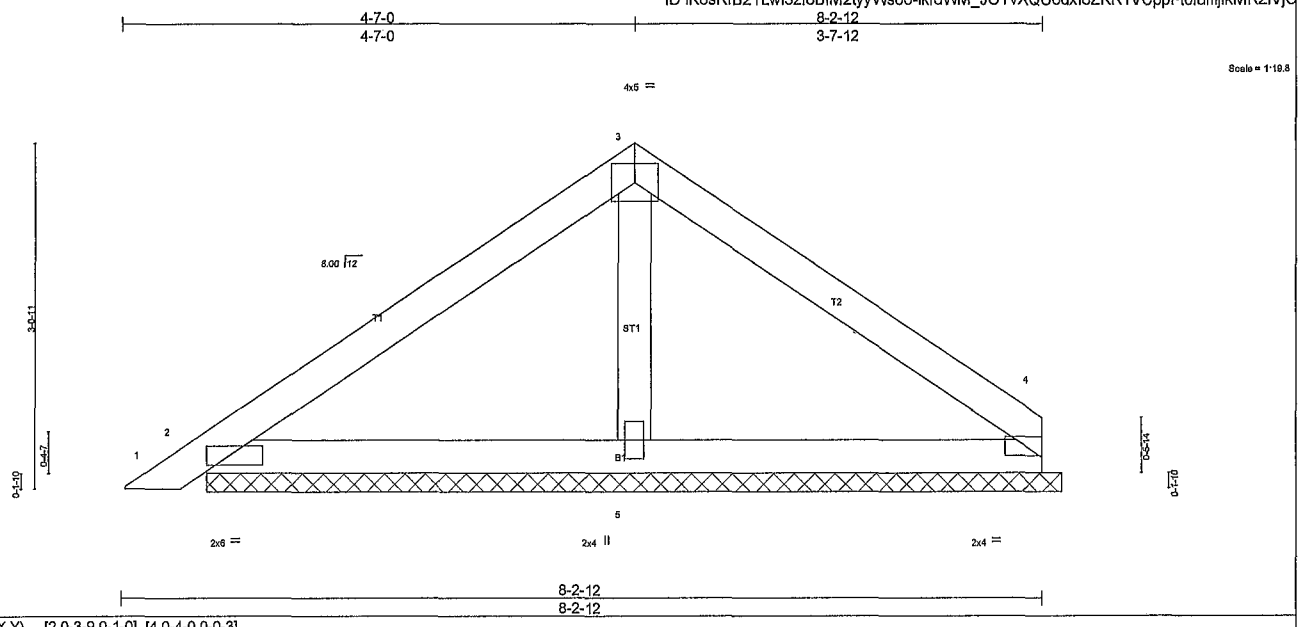

Plate Offsets (X,Y)-- [2:0-3-9,0-1-0], [4:0-4-0,0-0-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 29 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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 (lb/size) 4=100/7-7-12 (min. 0-1-8), 2=127/7-12 (min. 0-1-8), 5=198/7-12 (min. 0-1-8)
Max Horz 2=71(LC 9)
Max Uplift 4=-43(LC 13), 2=-48(LC 12), 5=-41(LC 12)
Max Grav 4=119(LC 2), 2=152(LC 2), 5=233(LC 2)

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

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=20ft; 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) Gable requires continuous bottom chord bearing.
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) 4, 2, 5.
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable or consult qualified building designer
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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	PB07	Piggyback Truss	1	1	I7822222
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 52:38 2014 Page 1

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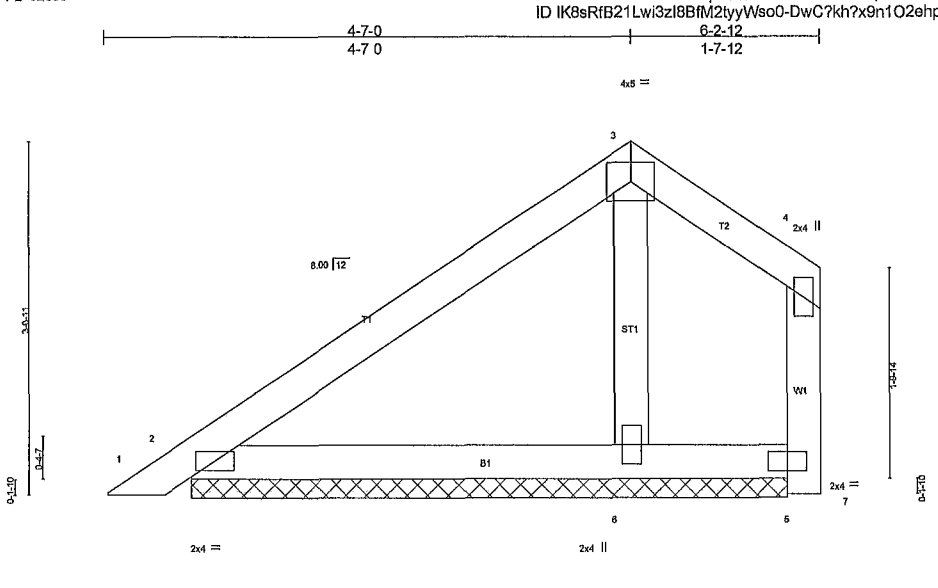


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0 01	1	n/r	120		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0 00	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 25 lb	FT = 20%

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

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

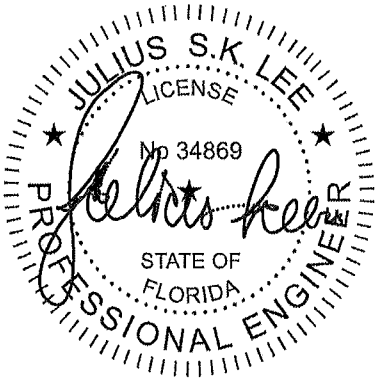
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=0/5-2-2 (min. 0-1-8) 2=122/5-2-2 (min. 0-1-8) 5=31/5-2-2 (min 0-1 8), 6=156/5-2-2 (min 0-1-8)
Max Horz 2=76(LC 12)
Max Uplift2=-35(LC 12) 5=-32(LC 13) 6=-44(LC 12)
Max Grav 2=146(LC 2) 5=44(LC 22) 6=190(LC 21)

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

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=20ft; 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) Gable requires continuous bottom chord bearing.
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) 2 5, 6
8) Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer
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



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822223
550284	PB08	Piggyback Truss	1	1	Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:39 2014 Page 1

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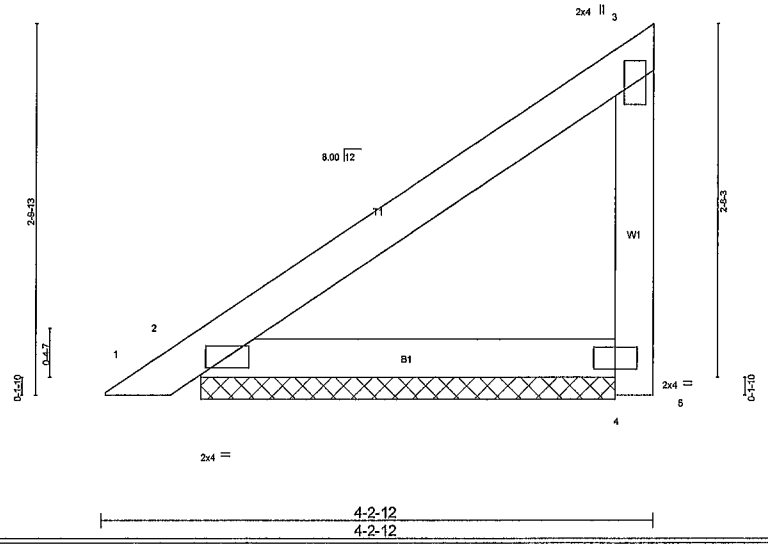

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0 00	1	n/r	120	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 10	Vert(TL)	0 00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0 00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 16 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 4-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

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

REACTIONS (lb/size) 5=0/3-2-2 (min 0-1-8) 2=112/3-2-2 (min 0-1-8), 4=88/3-2-2 (min. 0-1-8)
Max Horz 2=86(LC 12)
Max Uplift2=-17(LC 12) 4=-59(LC 12)
Max Grav 2=134(LC 2) 4=116(LC 21)

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

NOTES (9-11)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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) Gable requires continuous bottom chord bearing.
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) 2 4.
7) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable or consult qualified building designer
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

February 13,2014

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	SIMQUE RES.
550284	T01	ATTIC	12	1	I7822224
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15.52.40 2014 Page 1

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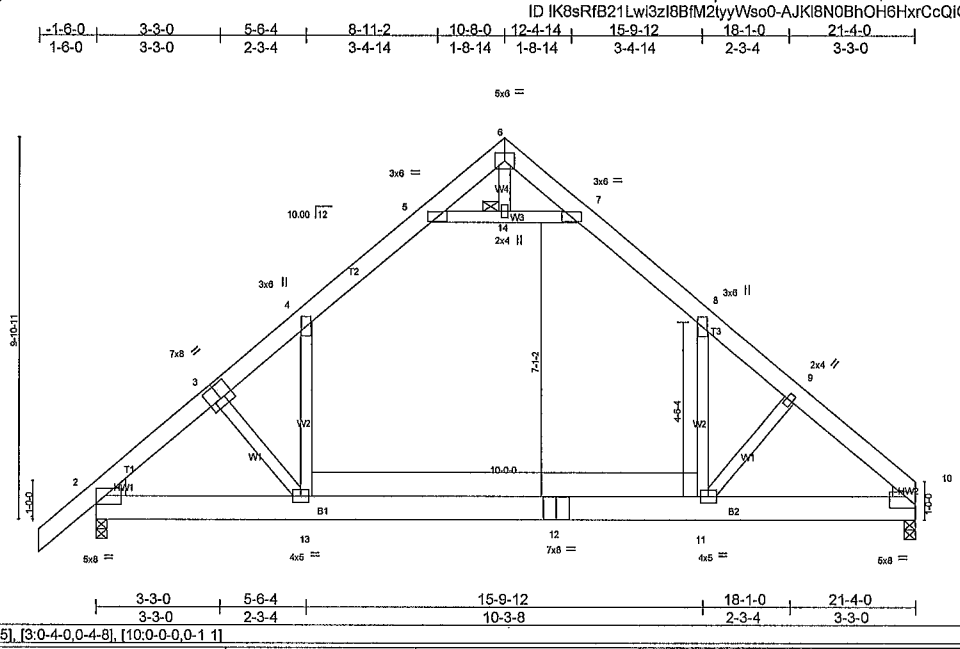

Plate Offsets (X,Y). [2 0-0-0,0-0-5], [3 0-4-0,0-4-8], [10 0-0-0,0-1 1]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.54	Vert(LL) -0.28 11 13 >910 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0 93	Vert(TL) -0 51 11 13 >502 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.45	Horz(TL) 0.01 10 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)	Attic -0 17 11-13 747 360	Weight: 170 lb FT = 20%

LUMBER
TOP CHORD 2x6 SP SS *Except*
T1 2x6 SP No.2
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x6 SYP No.2 Right: 2x4 SYP No 3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s) 14

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

REACTIONS (lb/size) 2=1157/0-3-8 (min 0-1 12) 10=1087/0-3-8 (min. 0-1-10)
Max Horz 2=309(LC 9)
Max Uplift2=-187(LC 12), 10=-133(LC 13)
Max Grav 2=1201(LC 22) 10=1119(LC 23)

FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1958/216, 3-4=-1889/232, 4-5=-1195/280, 5-6=-44/418, 6-7=-47/419 7-8=-1194/279
8-9=-1895/238, 9-10=-1968/222
BOT CHORD 2-13=-186/1396, 12-13=-28/1063, 11-12=-28/1063, 10-11=-112/1407
WEBS 5-14=-1914/405, 7-14=-1914/405, 4-13=-17/975, 8-11=-26/984, 3-13=-535/253, 9-11=-548/274

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=20ft; Cat. II Exp C, Encl GCpi=0.18 MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1 60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (5.0 psf) on member(s) 4-5, 7-8 5-14, 7 14, Wall dead load (5.0psf) on member(s).4-13, 8-11
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10 0 psf) applied only to room 11 13
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) 2=187 10=133.
9) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Attic room checked for L/360 deflection.
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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822225
550284	T01G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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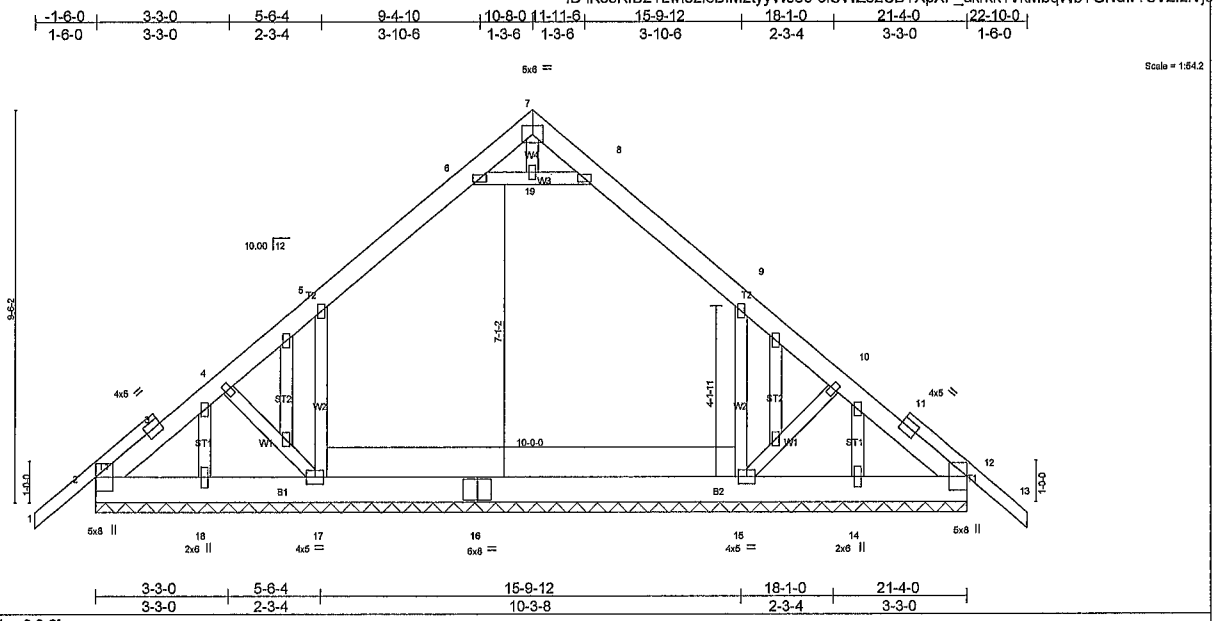

Plate Offsets (X,Y) [12:Edge,0-8-6]

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 14	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0 09	Vert(TL)	-0 01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 08	Horz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 183 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No 2 *Except*
T1 2x4 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.3
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 21-4-0.
(lb) - Max Horz 2=-307(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12 except 17=-253(LC 12) 15=-250(LC 13) 18=-178(LC 18) 14=-178(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 18, 14 except 2=449(LC 2) 12=449(LC 2) 17=762(LC 22) 15=759(LC 23)

FORCES (lb) Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-480/80 3-4=-431/89 4-5=-390/95, 5-6=-491/189 8-9=-491/189 9-10=-383/88, 10-11=-421/82 11-12=-473/74
BOT CHORD 2-18=-91/388, 17-18=-91/388 16-17=-59/340 15-16=-59/340, 14-15=-39/351 12-14=-39/351
WEBS 6-19=-342/237, 8-19=-342/237 5-17=-378/255, 9-15=-377/249

NOTES (14-16)
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=20ft; 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, with BCDL = 5.0psf
9) Ceiling dead load (5.0 psf) on member(s) 5-6 8-9, 6-19 8-19; Wall dead load (5.0psf) on member(s).5-17 9-15
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12 except (jt=lb) 17=253, 15=250, 18=178, 14=178.
12) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Attic room checked for L/360 deflection.
14) 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.
15) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
16) 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

February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822226
550284	T02	Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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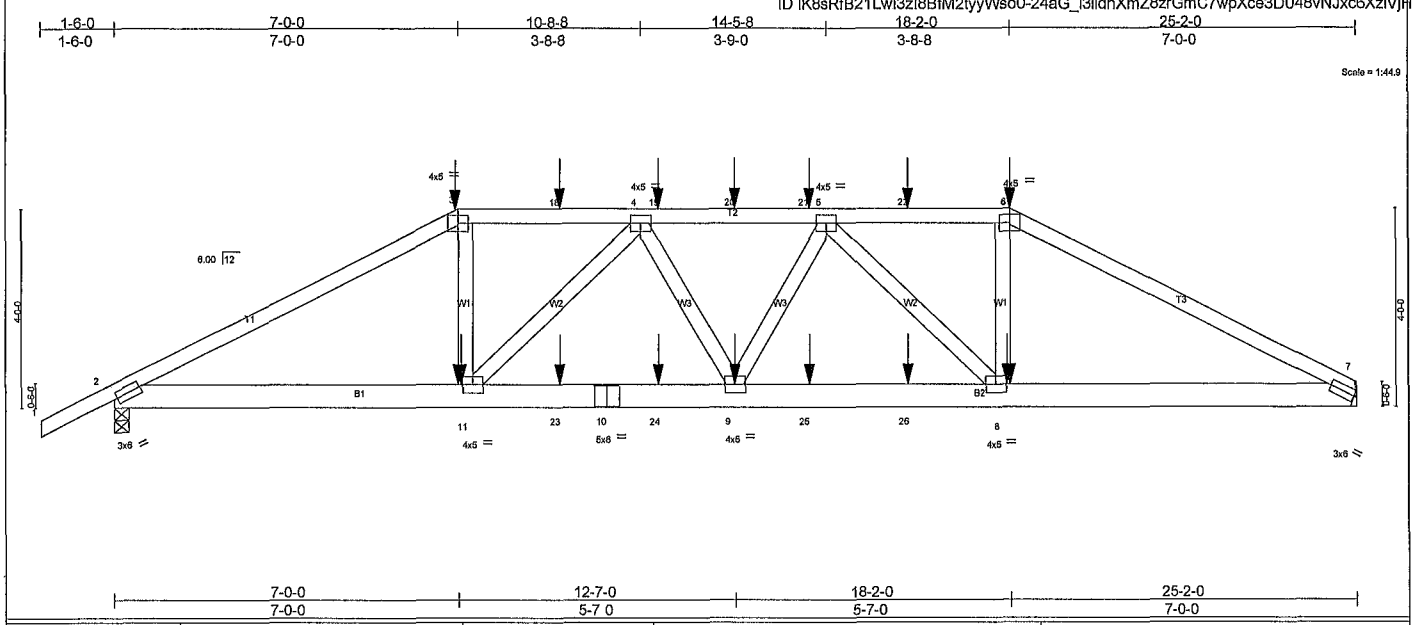

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0 16	9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0 30	8-9	>992	180		
BCLL	0 0 *	Rep Stress Incr	NO	WB	0.45	Horz(TL)	0 08	7	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 136 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.
BOT CHORD Rigid ceiling directly applied or 6-4-14 oc bracing

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

REACTIONS (lb/size) 7=1398/Mechanical 2=1432/0-3-8 (min 0-2-0)
Max Horz 2=65(LC 8)
Max Uplift7=-693(LC 9) 2=-664(LC 8)
Max Grav 7=1655(LC 2), 2=1697(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3065/1225, 3-18=-2697/1147 4-18=-2697/1147 4-19=-3332/1356, 19-20=-3332/1356, 20-21=-3332/1356, 5-21=-3332/1356, 5-22=-2787/1261 6-22=-2787/1261, 6-7=-3167/1356
BOT CHORD 2-11=-1057/2659 11-23=-1306/3261 10-23=-1306/3261 10-24=-1306/3261 9-24=-1306/3261 9-25=-1324/3292 25-26=-1324/3292 8-26=-1324/3292, 7-8=-1129/2751
WEBS 3-11=-367/976 4-11=-891/409, 5-8=-812/314 6-8=-300/919

NOTES (11-14)
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=20ft; Cat. II Exp C Encl GCpi=0 18, MWFRS (envelope) Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=693 2=664.
8) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 107 lb down and 107 lb up at 7-0-0 107 lb down and 107 lb up at 9-0-12 107 lb down and 107 lb up at 11-0-12 107 lb down and 107 lb up at 12-7-0, 107 lb down and 107 lb up at 14-1-4 and 107 lb down and 107 lb up at 16-1-4, and 205 lb down and 260 lb up at 18-2-0 on top chord and 301 lb down and 170 lb up at 7-0-0, 67 lb down at 9-0-12 67 lb down at 11-0-12, 67 lb down at 12-7-0, 67 lb down at 14-1-4, and 67 lb down at 16-1-4, and 301 lb down and 170 lb up at 18-1-4 on bottom chord The design/selection of such connection device(s) is the responsibility of others
10) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
12) 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
14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Continued on page 2

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822226
550284	T02	Hip Truss	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25 Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-44, 3-6=-44, 6-7=-44, 12-15=-10
   Concentrated Loads (lb)
   Vert: 3=-88(B) 6=-169(B) 11=-259(B) 9=-38(B) 8=-259(B) 18=-88(B) 19=-88(B) 20=-88(B) 21=-88(B) 22=-88(B) 23=-38(B) 24=-38(B) 25=-38(B) 26=-38(B)

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822227
550284	T03	Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City FL 32055

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-1-6-0	4-9-0	9-0-0	16-2-0	20-5-0	25-2-0
1-6-0	4-9-0	4-3-0	7-2-0	4-3-0	4-9-0

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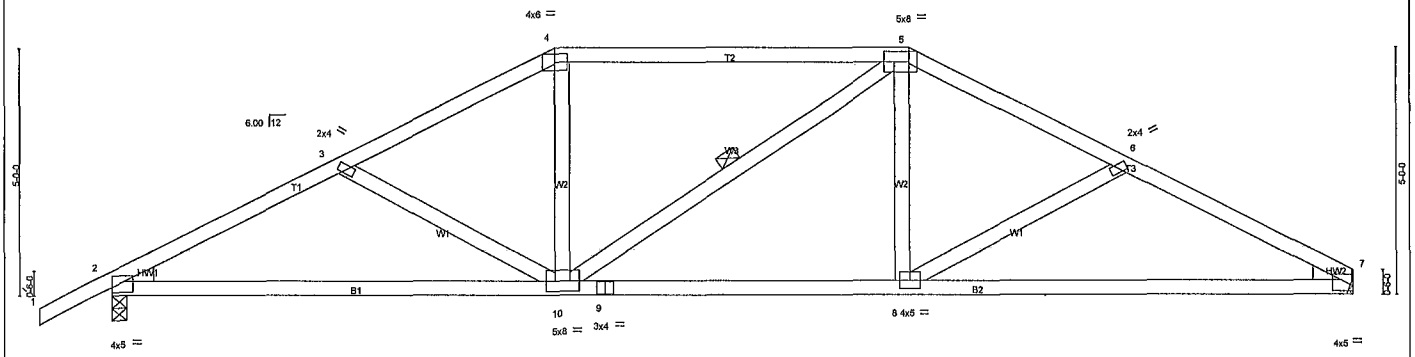


9-0-0	16-2-0	25-2-0
9-0-0	7-2-0	9-0-0

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

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.72	Vert(LL) -0.14 8-13 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.55	Vert(TL) -0.27 8-13 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(TL) 0.05 7 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 122 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 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-1 oc bracing
WEBS 1 Row at midpt 5-10

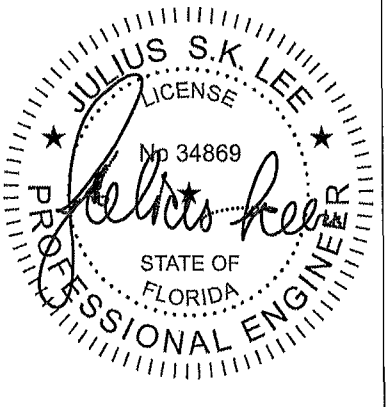
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=678/Mechanical, 2=747/0-3-8 (min. 0-1-8)
Max Horz 2=78(LC 12)
Max Uplift 7=-182(LC 13) 2=-212(LC 12)
Max Grav 7=803(LC 2) 2=889(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1480/883, 3-4=-1244/754, 4-5=-1100/733, 5-6=-1248/759, 6-7=-1489/895
BOT CHORD 2-10=-707/1260, 9-10=-489/1038, 8-9=-489/1038, 7-8=-721/1271
WEBS 3-10=-264/256, 4-10=-74/278, 5-8=-82/280, 6-8=-273/268

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=182, 2=212.
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE. Florida P.E. License No. 34869; Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822228
550284	T04	Hip Truss	1	1	Job Reference (optional)	

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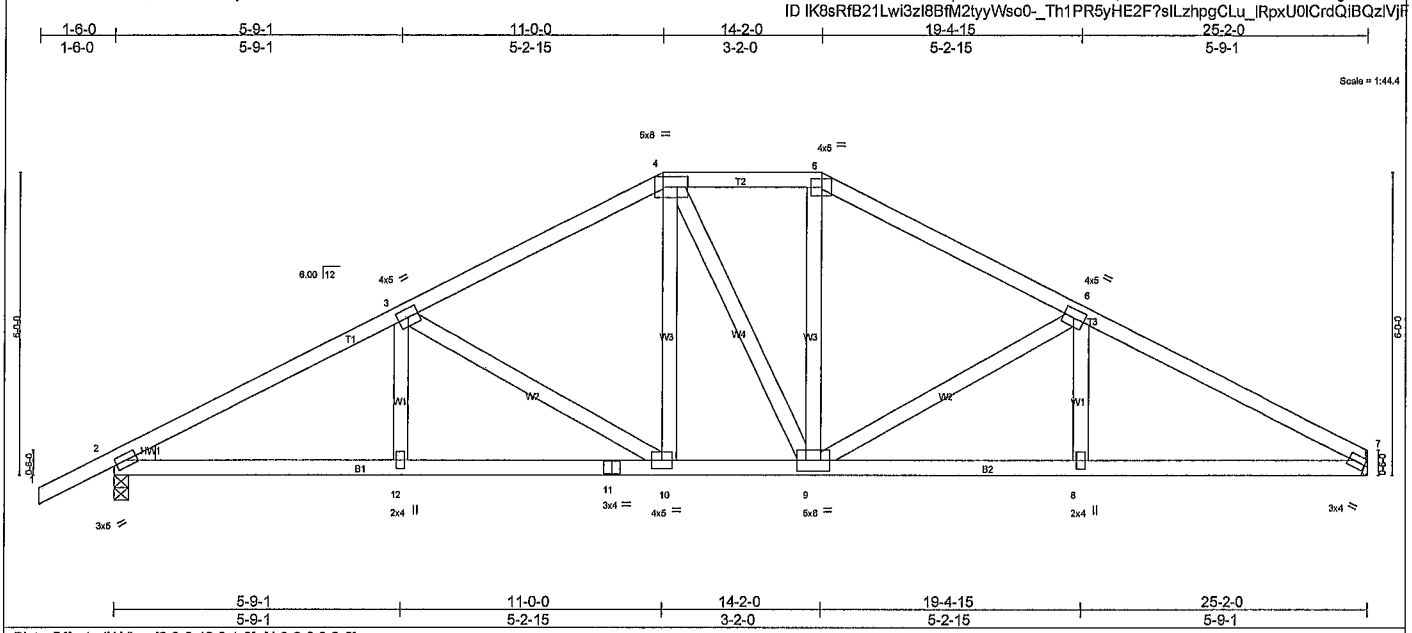


Plate Offsets (X,Y): [2:0-0-12,0-1-8], [4:0-6-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.09	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.14	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 133 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 4-8-3 oc purlins
BOT CHORD Rigid ceiling directly applied or 7-1-3 oc bracing.

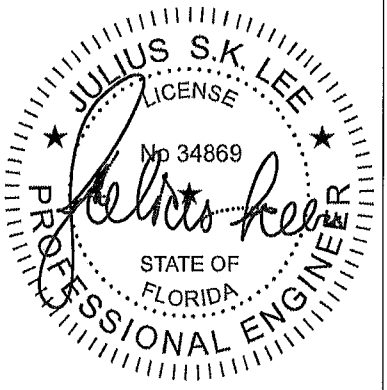
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=678/Mechanical 2=747/0-3-8 (min 0-1-8)
Max Horz 2=91(LC 12)
Max Uplift 7=-195(LC 13), 2=-225(LC 12)
Max Grav 7=803(LC 2) 2=889(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-1483/863 3-4=-1122/718, 4-5=-976/701 5-6=-1124/719, 6-7=-1493/876
BOT CHORD 2-12=-681/1255, 11-12=-681/1255, 10-11=-681/1255, 9-10=-397/895 8-9=-695/1265, 7-8=-695/1265
WEBS 3-10=-421/331 4-10=-143/253, 5-9=-147/256, 6-9=-432/346

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=195, 2=225.
8) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee PE. Florida P E. License No 34869: Address 1109 Coastal Bay Blvd Boynton Beach FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822229
550284	T05	Common Truss	1	1	Job Reference (optional)	

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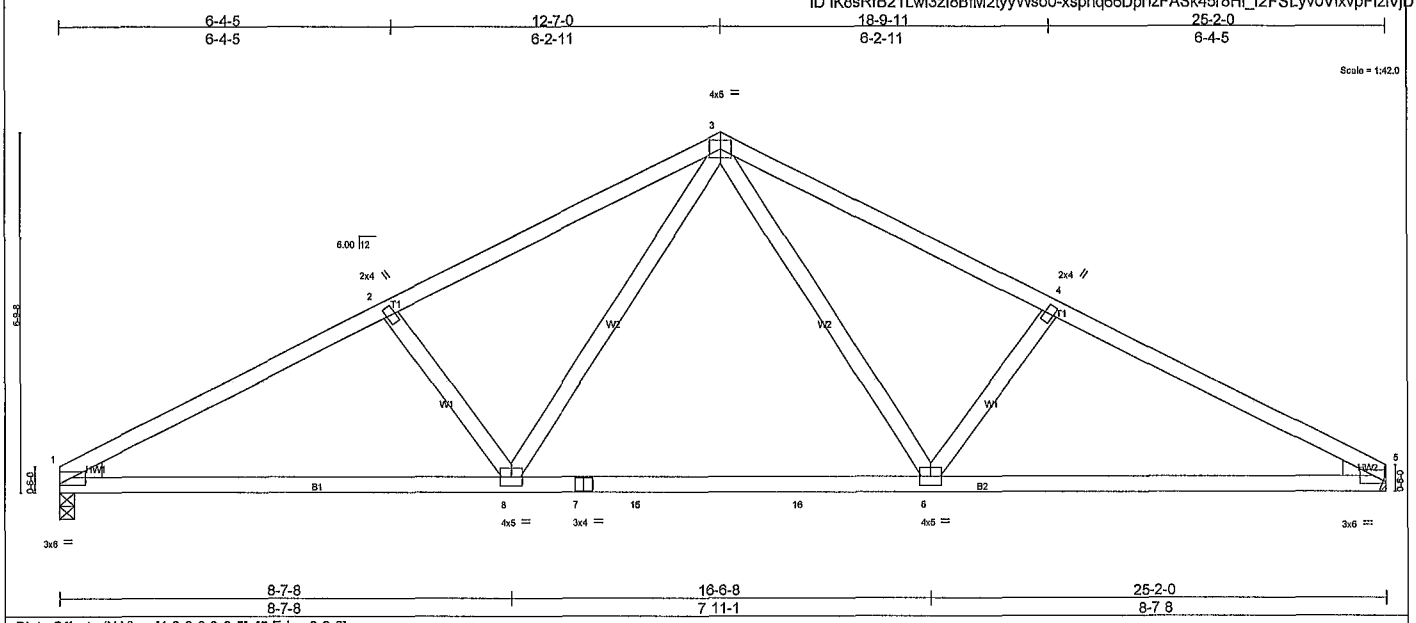

Plate Offsets (X,Y). [1.0-0-0,0-0-5], [5.Edge,0-0-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0 18	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.26	6-8	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0 05	5	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 115 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 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins
BOT CHORD Rigid ceiling directly applied or 7-0-1 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=726/0-3-8 (min. 0-1-8), 5=726/Mechanical
Max Horz 1=87(LC 9)
Max Uplift 1=-204(LC 12) 5=-204(LC 13)
Max Grav 1=805(LC 2) 5=805(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1591/896, 2-3=-1417/865, 3-4=-1417/865, 4-5=-1591/896
BOT CHORD 1-8=-706/1349 7-8=-346/874 7 15=-346/874, 15-16=-346/874 6-16=-346/874, 5-6=-706/1349
WEBS 3-6=-290/508, 4-6=-364/362, 3-8=-290/508 2-8=-364/362

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=20ft; Cat. II Exp C Encl. GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5.0psf
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=204 5=204.
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

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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822230
550284	T06	Special Truss	6	1	Job Reference (optional)	

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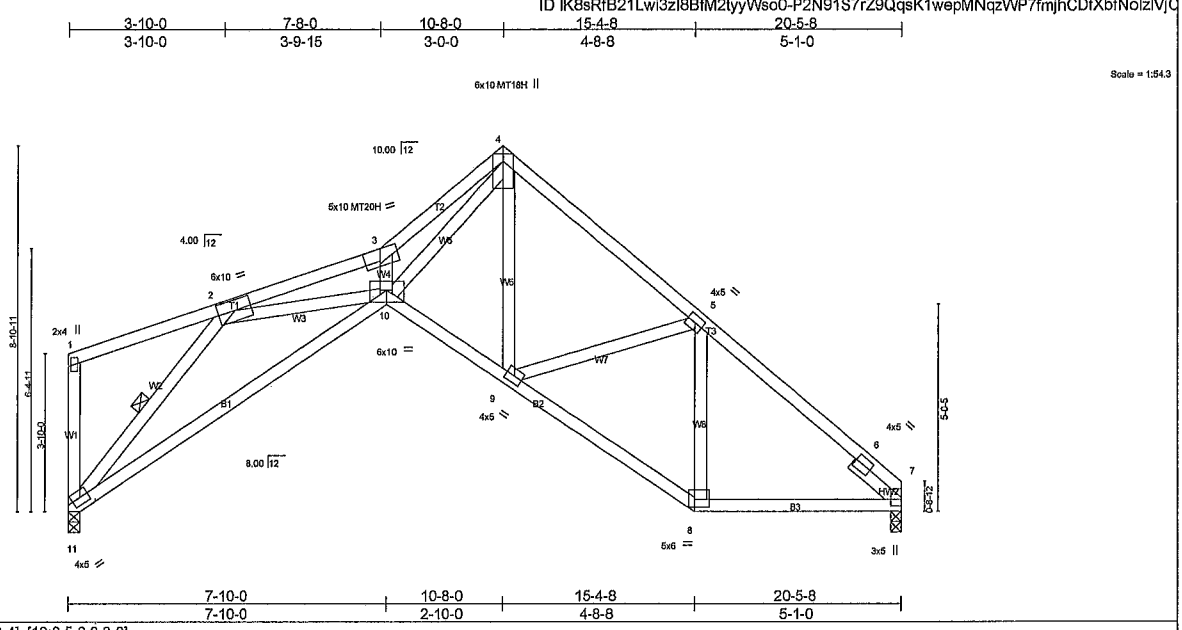

Plate Offsets (X,Y): [8:0-4-4,0-2-4], [10:0-5-0,0-3-8]

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	0 39	10	>627	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0 72	10	>340	180	MT20H	187/143
BCLL	0 0 *	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0 79	7	n/a	n/a	MT18H	244/190
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 124 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W3 W5: 2x4 SP No.2
SLIDER Right 2x4 SP No.3 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-2 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 8-0-1 oc bracing.
WEBS 1 Row at midpt 2-11

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

REACTIONS (lb/size) 11=763/0-3-8 (min. 0-1-8) 7=763/0-3-0 (min. 0-1-8)
Max Horz 11=180(LC 11)
Max Uplift 11=-244(LC 12) 7=-221(LC 13)
Max Grav 11=904(LC 2) 7=904(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4613/1751 3-4=-5221/2051 4-5=-1525/652 5-6=-1206/587 6-7=-509/157
BOT CHORD 10-11=-537/1365, 9-10=-222/1054 8-9=-434/1119 7-8=-361/933
WEBS 2-11=-2067/949, 2-10=-977/3035, 3-10=-2102/915 4-10=-1717/4663, 5-8=-579/258

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=20ft; 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Bearing at joint(s) 11 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=244, 7=221
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
1) Regular: Lumber Increase=1 25 Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-65, 3-4=-65, 4-7=-65, 10-11=-10 8-10=-10, 8-12=-10

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

February 13,2014

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	SIMQUE RES.
550284	T07	Special Truss	1	1	I7822231
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15.52:50 2014 Page 1

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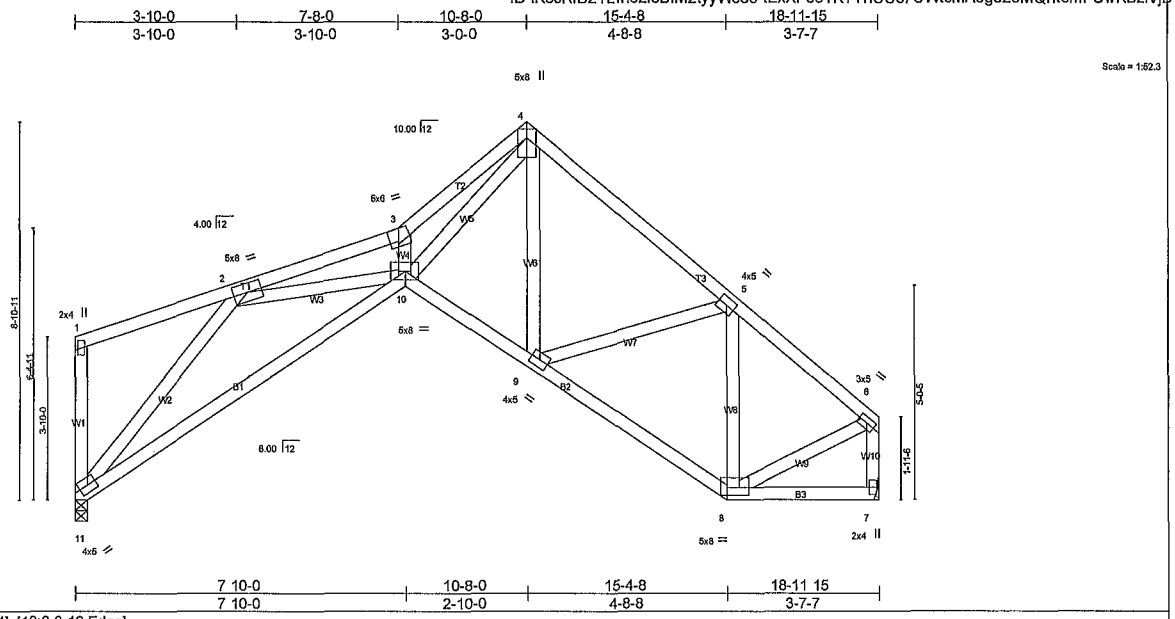

Plate Offsets (X,Y). [8:0-6-4,0-2-4], [10:0-3-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.24	10	>950	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0 48	10-11	>471	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.51	7	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 124 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W5: 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-9 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-10 oc bracing

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

REACTIONS (lb/size) 11=505/0-3-8 (min 0-1-8) 7=505/Mechanical
Max Horz 11=159(LC 11)
Max Uplift 11=-151(LC 12) 7=-123(LC 12)
Max Grav 11=599(LC 2) 7=599(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-2817/1108, 3-4=-3203/1335, 4-5=-913/419 5-6=-675/304 6-7=-719/317
BOT CHORD 10-11=-392/881 9-10=-90/632, 8-9=-217/557
WEBS 2-11=-1277/640, 2-10=-557/1833, 3-10=-1309/617 4-10=-1107/2873, 5-8=-492/231 6-8=-192/500

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design
2) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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.
5) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
6) Bearing at joint(s) 11 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) 11=151 7=123.
8) Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee PE: Florida P E. License No. 34869 Address 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson SUR\L26 to attach Truss to Carrying member

LOAD CASE(S) Standard

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822232
550284	T08	SPECIAL TRUSS	1	2	Job Reference (optional)	

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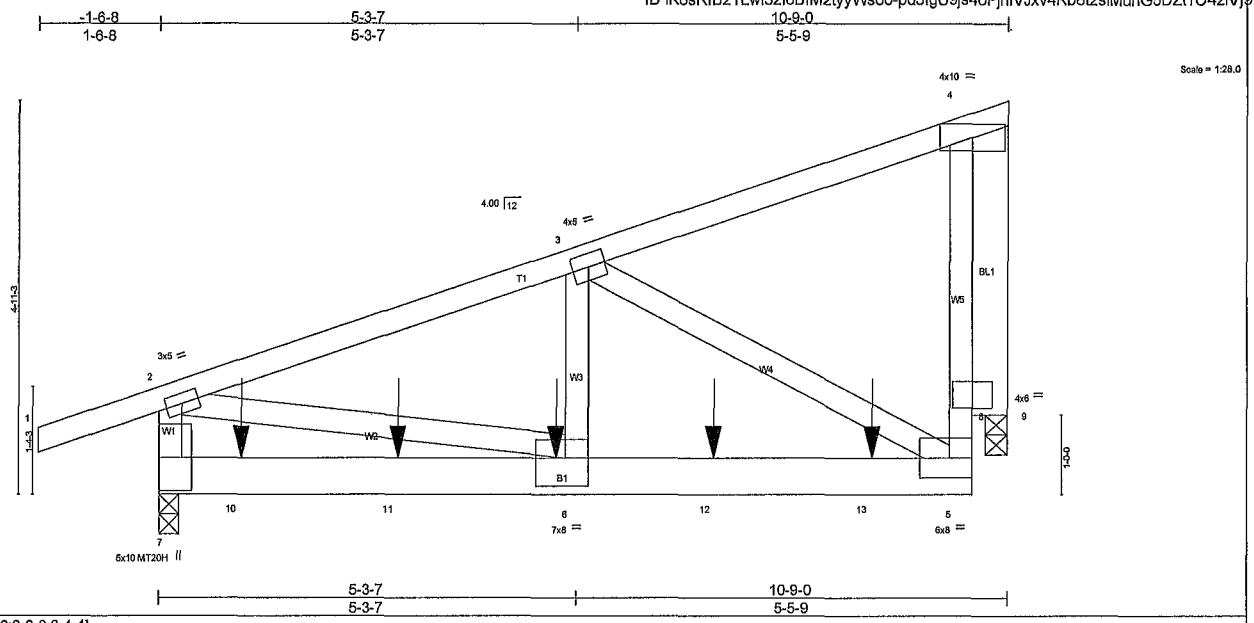

Plate Offsets (X,Y): [6:0-3-8,0-4-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.91	Vert(LL)	-0.07	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.13	6-7	>999	180	MT20H	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.50	Horz(TL)	-0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 155 lb	FT = 20%

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

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

REACTIONS (lb/size) 7=2158/0-3-0 (min. 0-1-8) 9=2019/0-3-8 (min. 0-1-8)
Max Horz 7=129(LC 4)
Max Uplift 7=-909(LC 4) 9=-724(LC 8)
Max Grav 7=2556(LC 2) 9=2350(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3343/1020, 3-4=-381/82, 5-8=-687/2320, 4-8=-687/2320, 2-7=-1807/607
BOT CHORD 7-10=-346/542, 10-11=-346/542, 6-11=-346/542, 6-12=-1045/3121, 12-13=-1045/3121, 5-13=-1045/3121
WEBS 3-6=-718/2267, 3-5=-3207/1085, 2-6=-726/2629

NOTES (12-14)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B) unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=909, 9=724.
10) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 148 lb down and 62 lb up at 1-0-9, 1645 lb down and 703 lb up at 3-0-4, 793 lb down and 192 lb up at 5-0-4, and 793 lb down and 205 lb up at 7-0-4, and 795 lb down and 214 lb up at 9-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

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

February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T08	SPECIAL TRUSS	1	2	I7822232
					Job Reference (optional)

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1 25 Plate Increase=1.25
Uniform Loads (plf)
Vert. 1-2=-44, 2-4=-44, 5-7=-10
Concentrated Loads (lb)
Vert. 6=-668(F) 10=-123(F) 11=-1388(F) 12=-668(F) 13=-716(F)

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822233
650284	T09	Monopitch Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:52 2014 Page 1
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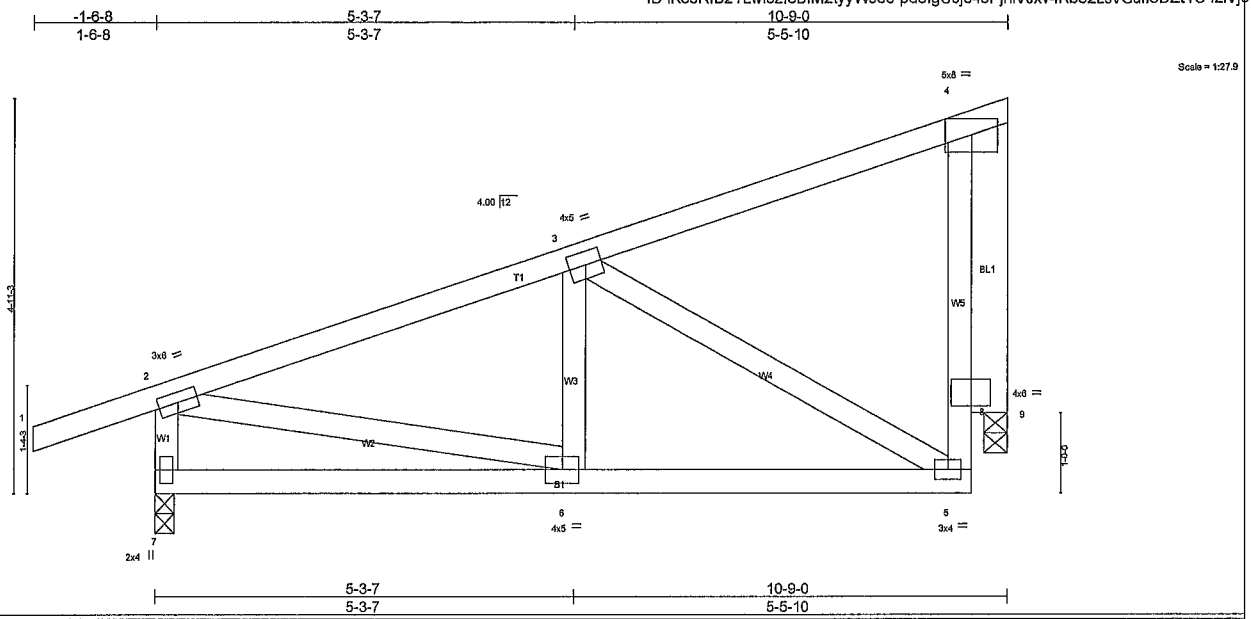


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.03	6-7	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	-0 01	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 70 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-3 oc bracing

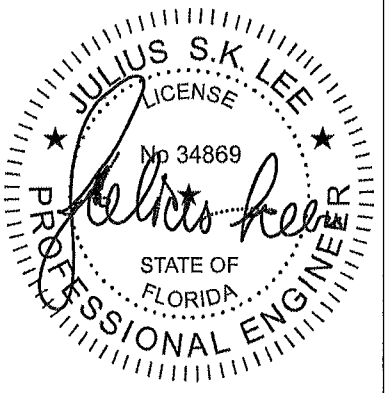
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=362/0-3-0 (min. 0-1-8) 9=252/0-3-8 (min. 0-1-8)
Max Horz 7=128(LC 8)
Max Uplift 7=-152(LC 8) 9=-125(LC 12)
Max Grav 7=433(LC 2) 9=299(LC 2)

FORCES (lb) - Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-423/212, 2-7=-428/352
BOT CHORD 6-7=-297/146, 5-6=-353/410
WEBS 3-5=-411/357 2-6=-98/307

NOTES (8-10)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf BCDL=3.0psf h=20ft; Cat. II Exp C, Encl GCpi=0 18 MWFRS (envelope) and C-C Exterior(2) zone end vertical left exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
5) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=152, 9=125.
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



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822234
550284	T10	Monopitch Truss	3	1	Job Reference (optional)	

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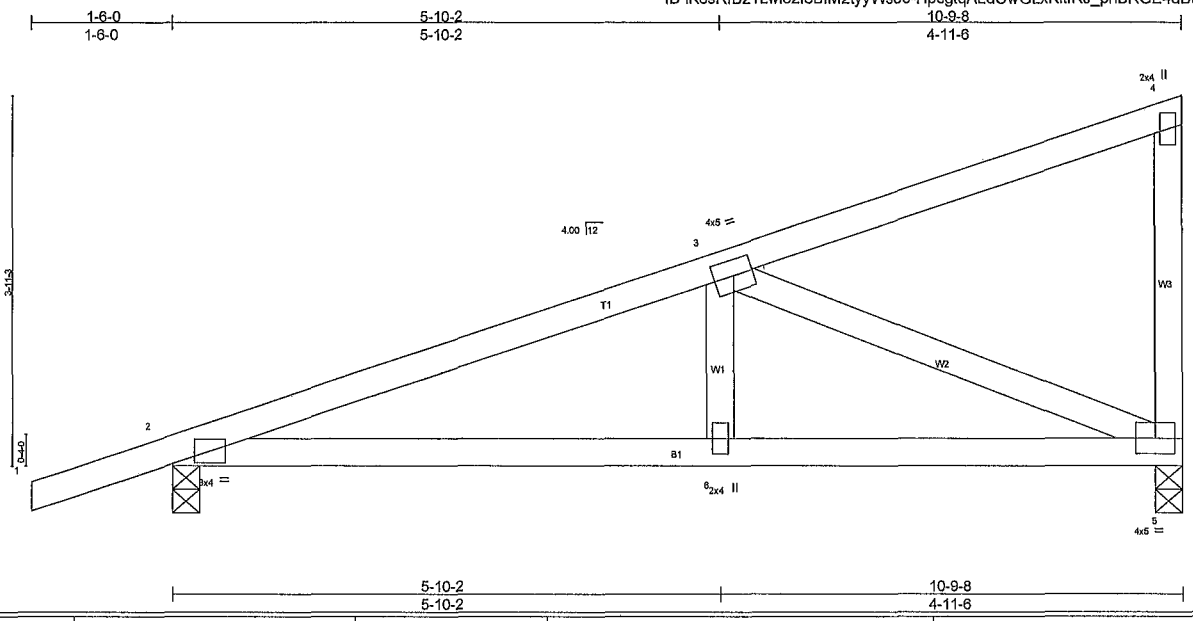

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 36	Vert(LL)	0.09	6-9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0 08	6-9	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	-0 02	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 50 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-7 oc bracing

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

REACTIONS (lb/size) 2=368/0-3-8 (min. 0-1-8) 5=273/0-3-8 (min 0-1-8)
Max Horz 2=148(LC 8)
Max Uplift2=-290(LC 8) 5=-242(LC 8)
Max Grav 2=439(LC 2) 5=324(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-554/1024
BOT CHORD 2-6=-1225/623 5-6=-935/504
WEBS 3-6=-333/166, 3-5=-532/988

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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
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=290 5=242.
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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822235
550284	T11	Monopitch Truss	1	1	Job Reference (optional)	

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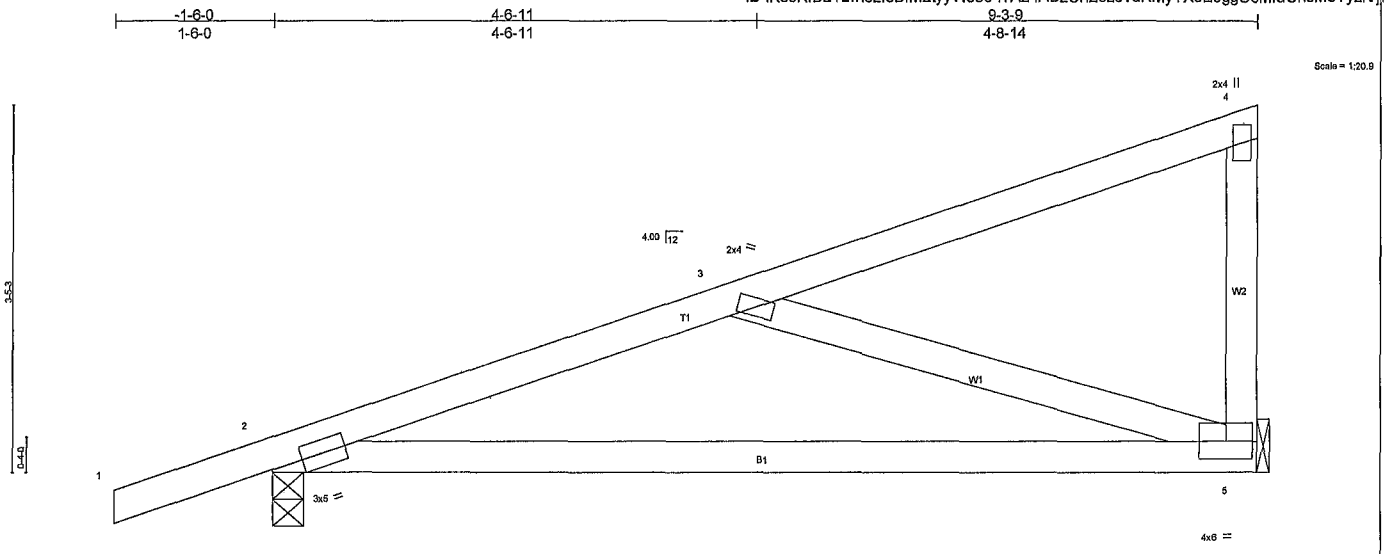


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.43	5-8	>258	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	0.37	5-8	>298	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 42 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-4 oc bracing

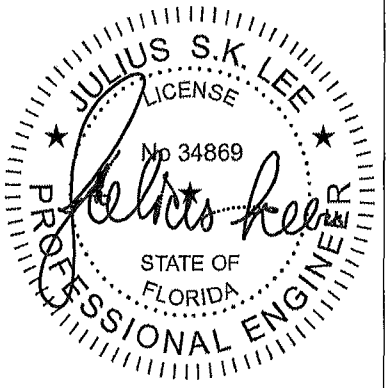
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=327/0-3-8 (min. 0-1-8) 5=233/Mechanical
Max Horz 2=131(LC 8)
Max Uplift 2=-264(LC 8) 5=-201(LC 8)
Max Grav 2=390(LC 2), 5=276(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-607/1338
BOT CHORD 2-5=-1544/652
WEBS 3-5=-504/636

NOTES (7-9)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft, 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
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=264, 5=201
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



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T12	Monopitch Truss	1	1	I7822236
					Job Reference (optional)

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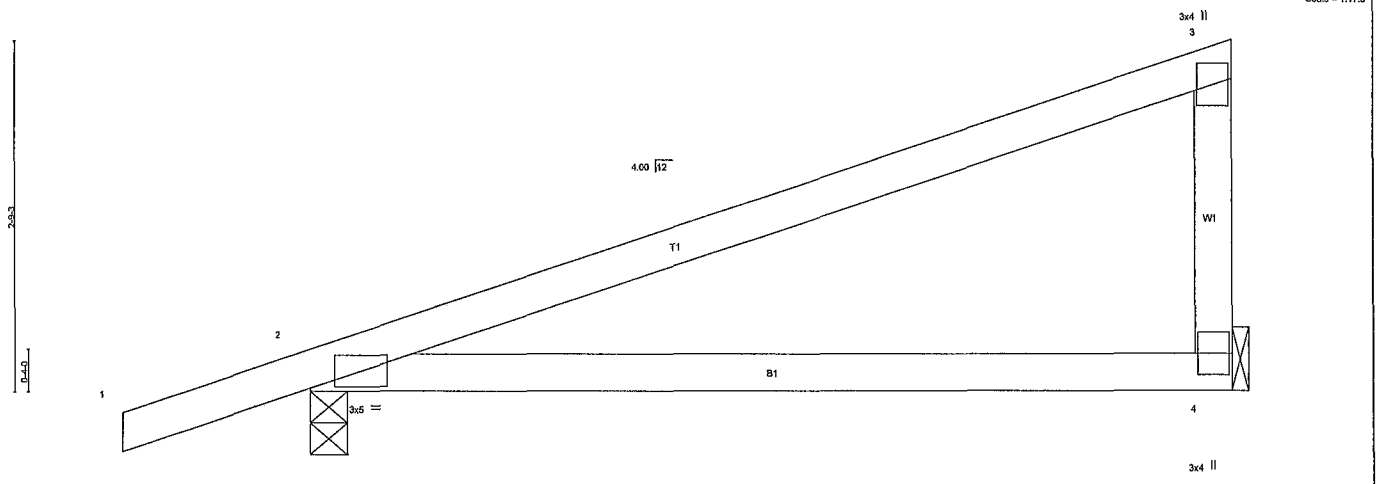

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 52	Vert(LL)	0.22	4-7	>391	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 41	Vert(TL)	0 19	4-7	>455	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0 01	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 28 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 4=158/Mechanical 2=294/0-3-8 (min 0-1-8)
Max Horz 2=108(LC 8)
Max Uplift 4=-140(LC 8) 2=-238(LC 8)
Max Grav 4=187(LC 2) 2=351(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-764/1518
BOT CHORD 2-4=-1819/914

NOTES (7-9)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf BCDL=3.0psf h=20ft; 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
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) 4=140, 2=238.
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

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

February 13,2014

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	SIMQUE RES.
550284	T13	Monopitch Truss	1	1	I7822237
					Job Reference (optional)

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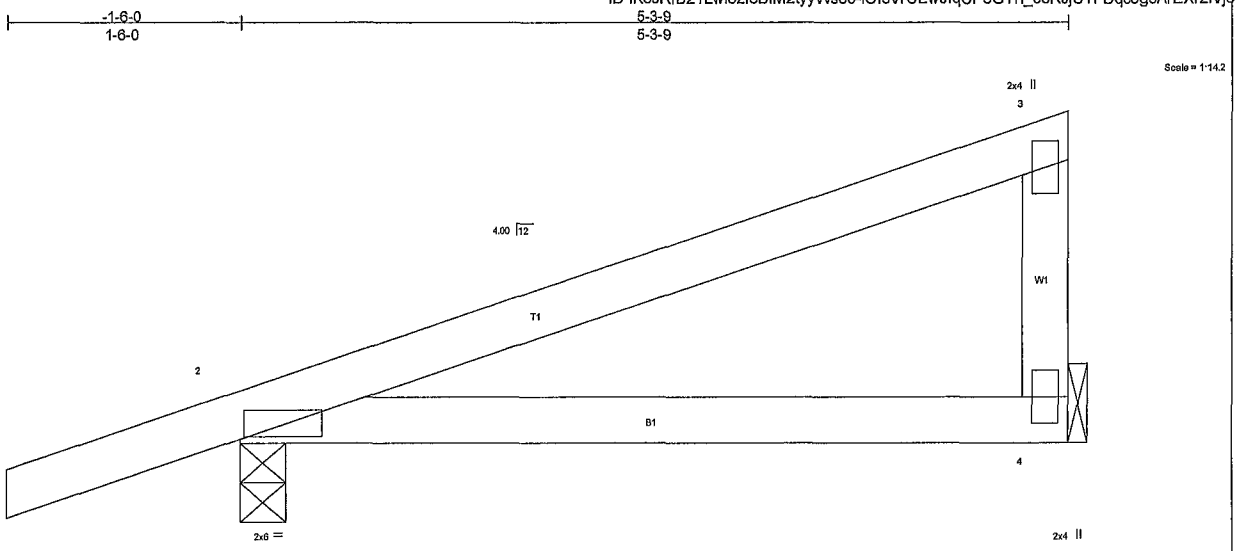


Plate Offsets (X,Y), [2:0-6-5,0-0-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0 08	4-7	>729	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.26	Vert(TL)	0 07	4-7	>844	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: 21 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

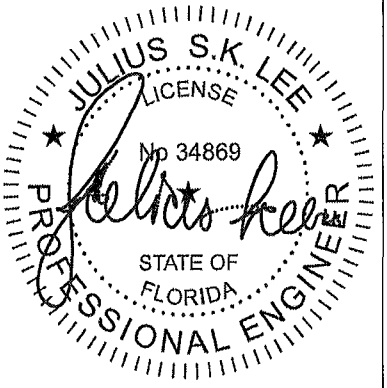
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=110/Mechanical 2=234/0-3-8 (min 0-1-8)
Max Horz 2=85(LC 8)
Max Uplift 4=-97(LC 8) 2=-193(LC 8)
Max Grav 4=130(LC 2) 2=280(LC 2)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-425/849
BOT CHORD 2-4=-1029/507

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=193
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



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T14	Monopitch Truss	1	1	I7822238
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:56 2014 Page 1

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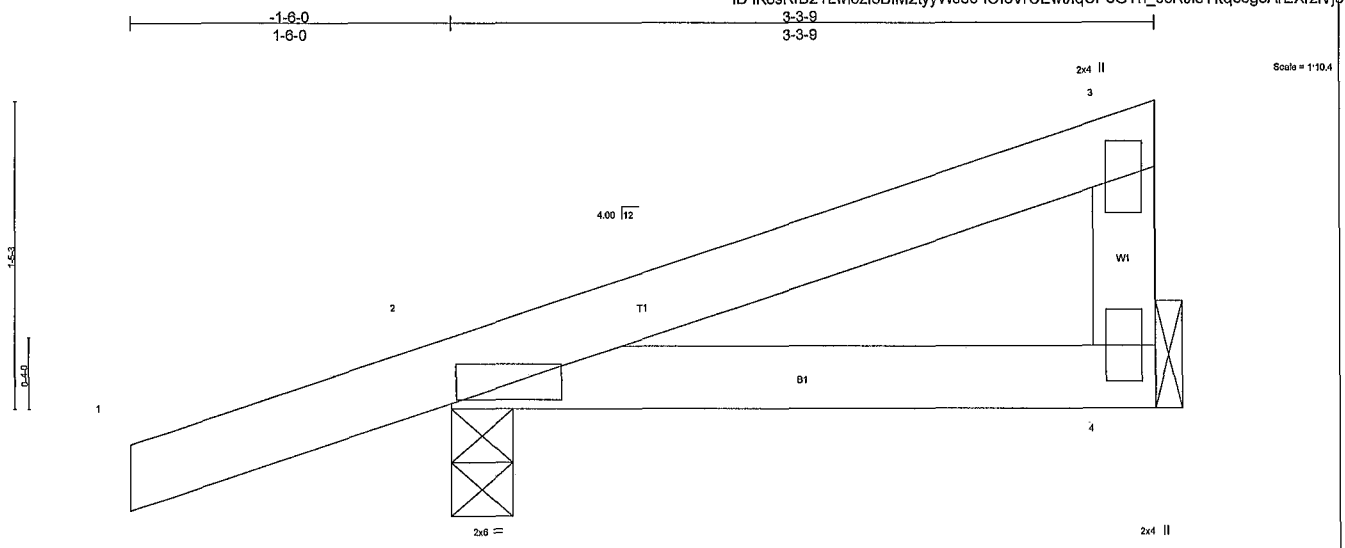

Plate Offsets (X,Y) [2,0-6-5,0-0-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	0 01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0 01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0 00	2	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 14 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-9 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) 4=65/Mechanical 2=171/0-3-8 (min. 0-1-8)
Max Horz 2=62(LC 8)
Max Uplift 4=-57(LC 8) 2=-145(LC 8)
Max Grav 4=77(LC 2), 2=206(LC 2)

FORCES (lb) - Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
BOT CHORD 2-4=-257/148

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=145.
6) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE. Florida P E. License No 34869 Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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February 13,2014

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	SIMQUE RES.	I7822239
550284	T15	Monopitch Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 52:57 2014 Page 1
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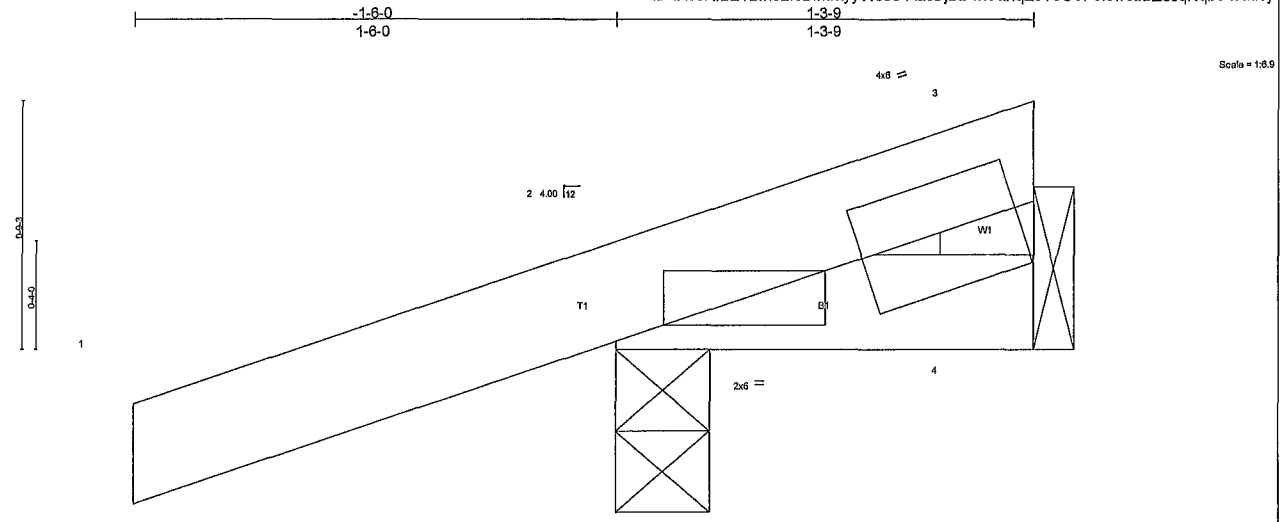

Plate Offsets (X,Y) [3.0-2-12,0-2-10]

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 15	Vert(LL)	0 00	5	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.02	Vert(TL)	0 00	5	>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
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-3-9 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) 4=-3/Mechanical 2=131/0-3-8 (min. 0-1-8)
Max Horz 2=39(LC 8)
Max Uplift4=-14(LC 9) 2=-121(LC 8)
Max Grav 4=14(LC 3) 2=160(LC 2)

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=20ft; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=121
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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822240
550284	T16	Monopitch Truss	1	1	Job Reference (optional)

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:58 2014 Page 1

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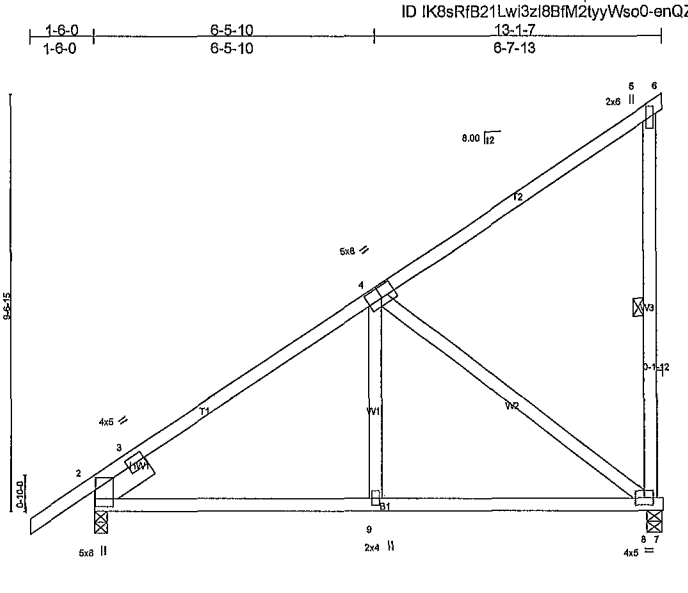


Plate Offsets (X,Y). [2:0-4-9,0-0-4], [4.0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0 13	9-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	0 12	9-12	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.71	Horz(TL)	-0 03	2	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 81 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 6-9-8 oc bracing
WEBS 1 Row at midpt 5-8

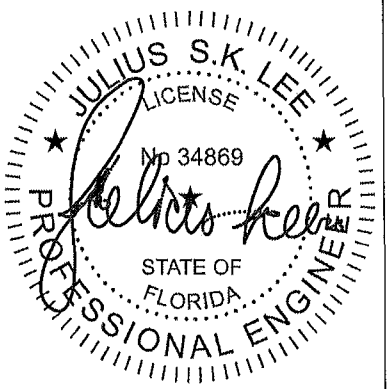
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=416/0-3-8 (min 0-1 8) 8=350/0-4-3 (min. 0-1-8)
Max Horz 2=476(LC 12)
Max Uplift2=-168(LC 9) 8=-397(LC 12)
Max Grav 2=496(LC 2) 8=413(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-179/259, 3-4=-449/396
BOT CHORD 2-9=-645/503, 8-9=-638/477
WEBS 4-9=-446/212 4-8=-590/791

NOTES (7-9)
1) Wind· ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=20ft; 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=168, 8=397
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



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T16G	GABLE	1	1	I7822241
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:52:59 2014 Page 1
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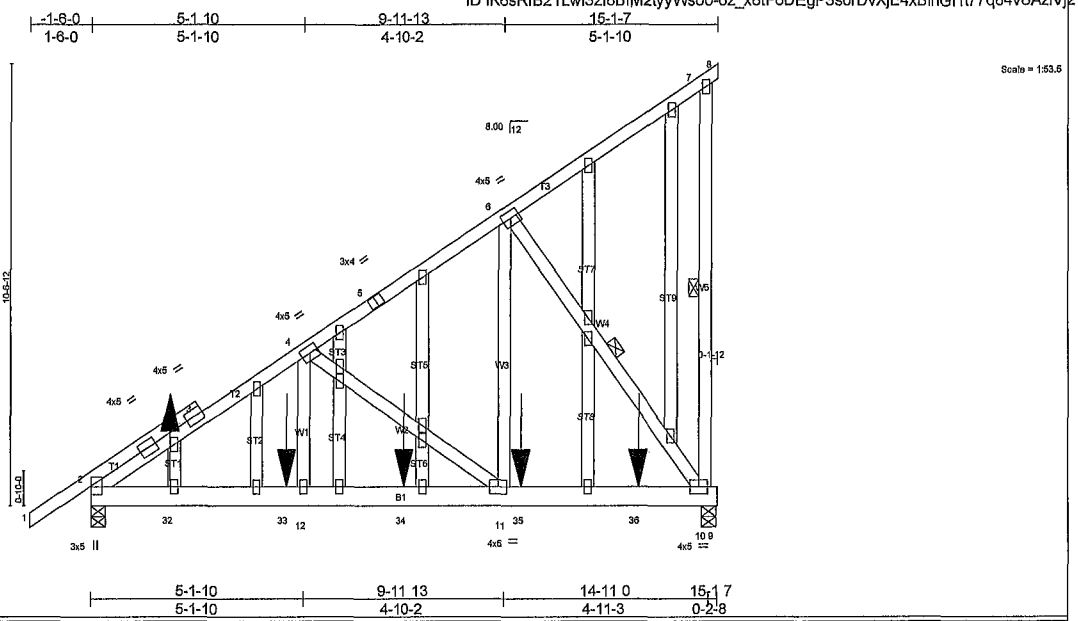


LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.50	Vert(LL) 0.04 10-11 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.37	Vert(TL) -0.05 10-11 >999 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.43	Horz(TL) 0.01 10 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 160 lb FT = 20%

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

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

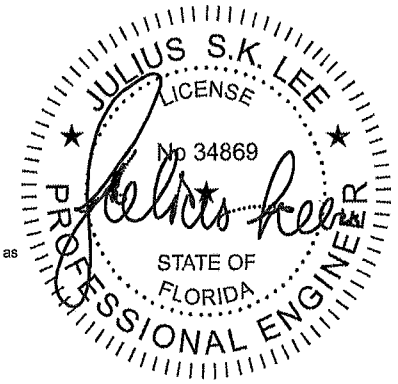
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 10=774/0-4-3 (min. 0-1-8) 2=618/0-4-0 (min. 0-1-8)
Max Horz 2=525(LC 8)
Max Uplift 10=-802(LC 8) 2=-321(LC 8)
Max Grav 10=921(LC 2) 2=739(LC 2)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-917/381 3-4=-865/393, 4-5=-613/221 5-6=-483/242
BOT CHORD 2-32=-676/731 32-33=-676/731 12-33=-676/731 12-34=-676/731 11-34=-676/731 11-35=-395/452 35-36=-395/452 10-36=-395/452
WEBS 4-11=-344/347, 6-11=-508/633, 6-10=-765/668

NOTES (13-15)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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) Truss designed for wind loads in the plane of the truss only For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
8) Solid blocking is required on both sides of the truss at joint(s) 2
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=802, 2=321
10) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down and 24 lb up at 1-10-14, 67 lb down and 67 lb up at 4-8-13, 120 lb down and 107 lb up at 7-6-12, and 177 lb down and 150 lb up at 10-4-11 and 266 lb down and 211 lb up at 13-2-10 on bottom chord The design/selection of such connection device(s) is the responsibility of others
12) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
13) 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
14) Note Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
15) Truss Design Engineer: Julius Lee, PE: Florida P E. License No 34869: Address. 1109 Coastal Bay Blvd Boynton Beach FL 33435

LOAD CASE(S) Standard



Continued on page 2

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822241
550284	T16G	GABLE	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1 7=-44, 7-8=-14, 9-28=-10
   Concentrated Loads (lb)
      Vert: 32=7(F) 33=-55(F) 34=-100(F) 35=-148(F) 36=-223(F)

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T17	Monopitch Truss	1	1	I7822242
					Job Reference (optional)

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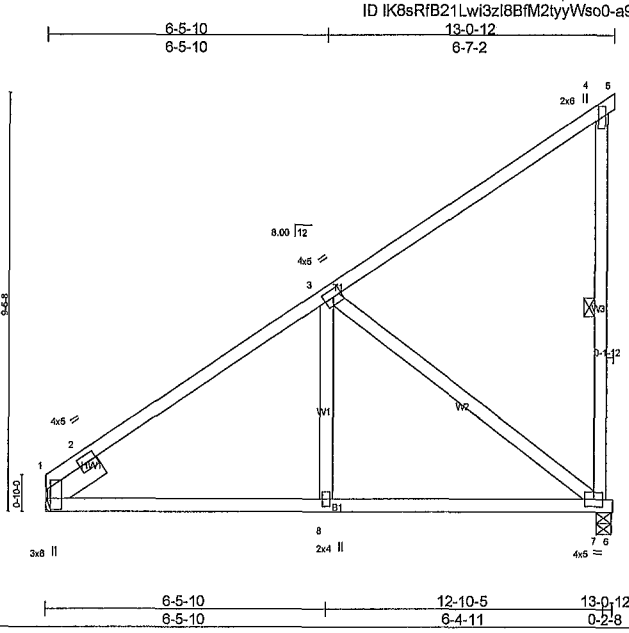


Plate Offsets (X,Y): [1,0-3-0,0-1-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.07	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.08	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.03	1	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 78 lb	FT = 20%

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

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

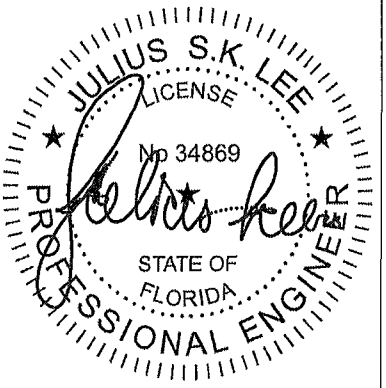
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=345/Mechanical 7=352/0-4-3 (min. 0-1-8)
Max Horz 1=432(LC 12)
Max Uplift 1=-62(LC 12) 7=-398(LC 12)
Max Grav 1=409(LC 2), 7=484(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-456/12
BOT CHORD 1-8=-486/515, 7-8=-327/515
WEBS 3-7=-635/404

NOTES (7 10)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl. GCpi=0 18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 7=398.
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
10) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822243
550284	T18	Monopitch Truss	1	1	Job Reference (optional)

Builders FirstSource Lake City FL 32055 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:01 2014 Page 1
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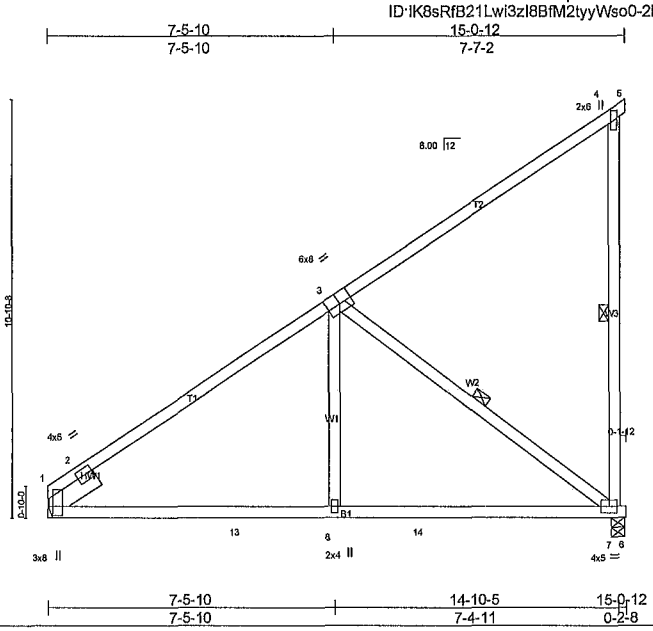


Plate Offsets (X,Y). [1.0-5-1,0-1-8], [3.0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	0.13	8-11	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0 15	8-11	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.05	1	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 89 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11 13 oc bracing.
WEBS 1 Row at midpt 4-7 3-7

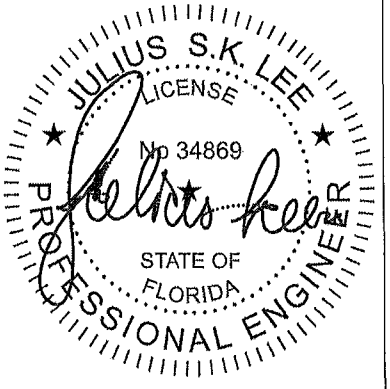
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=471/Mechanical 7=477/0-4-3 (min. 0-1-8)
Max Horz 1=346(LC 12)
Max Uplift 1=-20(LC 12) 7=-282(LC 12)
Max Grav 1=513(LC 21), 7=608(LC 21)

FORCES (lb) - Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-270/75, 2-3=-620/13, 4-7=-267/190
BOT CHORD 1 13=-570/686, 8-13=-360/686, 8-14=-360/683, 7 14=-360/683
WEBS 3-8=0/256 3-7=-844/445

NOTES (7 10)
1) Wind. ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft, Cat. II Exp C Encl GCpi=0.18 MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5.0psf
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) 1 except (jt=lb) 7=282
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
10) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822244
550284	T19	Monopitch Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:02 2014 Page 1

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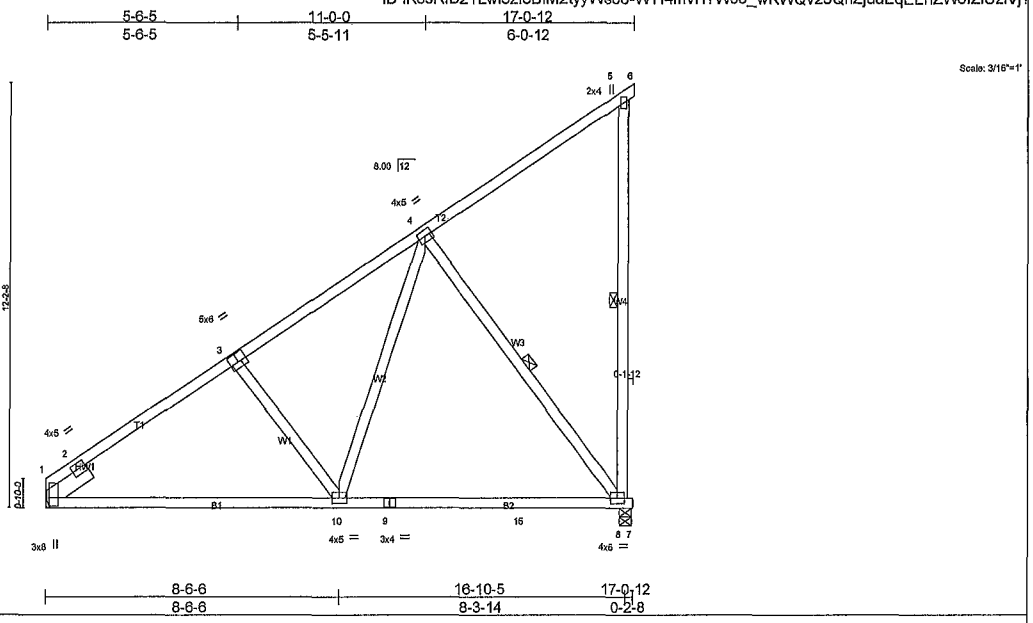


Plate Offsets (X,Y): [1:0-5-5,0-1-4], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING 2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase 1.25	TC	0.44	Vert(LL)	-0.22	8-10	>924	240	MT20	244/190
TCDL	7 0	Lumber Increase 1.25	BC	0.57	Vert(TL)	-0.31	8-10	>658	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.37	Horz(TL)	0.02	1	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007	(Matrix-M)							Weight: 110 lb	FT = 20%

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

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

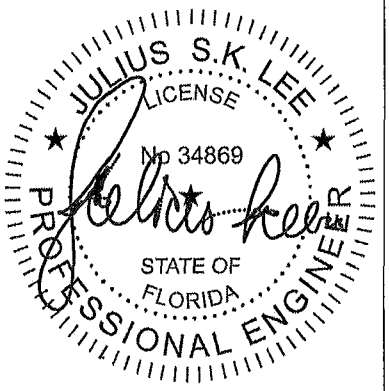
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=486/Mechanical 8=541/0-4-3 (min. 0-1-8)
Max Horz 1=392(LC 12)
Max Uplift 1=-25(LC 12) 8=-318(LC 12)
Max Grav 1=537(LC 2) 8=689(LC 21)

FORCES (lb) - Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-394/1 2-3=-723/51 3-4=-598/65
BOT CHORD 1 10=-541/832 9-10=-256/465, 9-15=-256/465, 8-15=-256/465
WEBS 3-10=-368/279 4-10=-193/504, 4-8=-767/427

NOTES (7-10)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C Encl. GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
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) 1 except (jt=lb) 8=318.
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
10) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T20	Piggyback Base Truss	1	1	I7822245
					Job Reference (optional)

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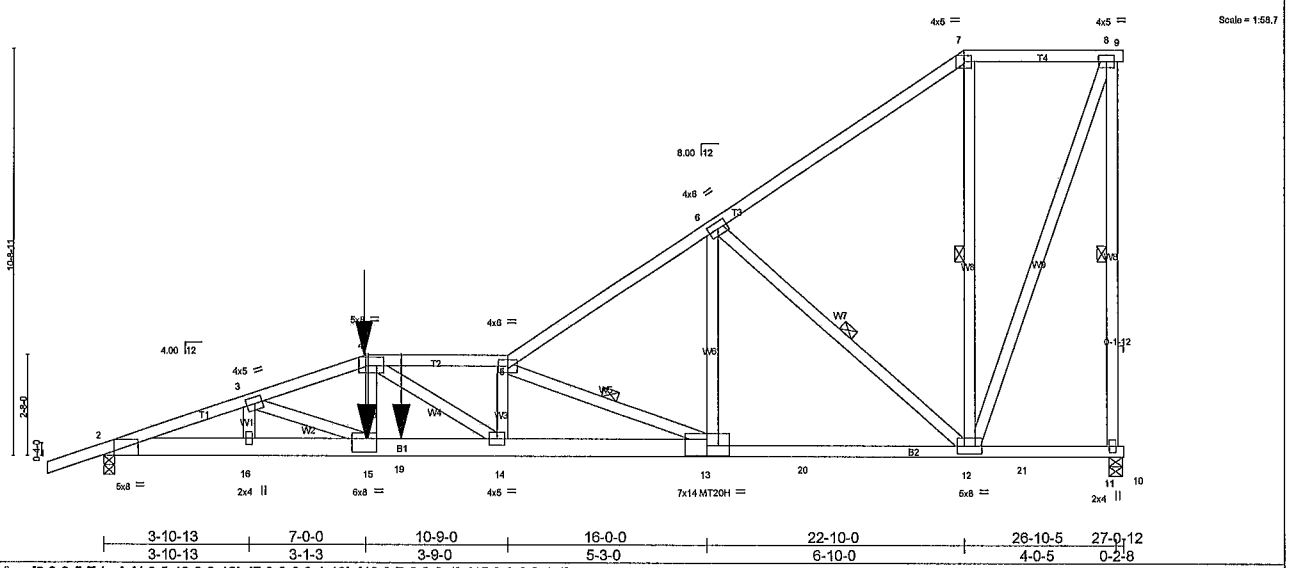

Plate Offsets (X,Y): [2:0-3-5,Edge], [4:0-5-12,0-2-12], [7:0-2-8,0-1-13], [13:0-7-0,0-3-4], [15:0-3-8,0-4-4]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.63	Vert(LL) -0.29 14-15 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.52	Vert(TL) -0.55 14-15 >584 180	MT20H 187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.96	Horz(TL) 0.09 11 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 194 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1 2x6 SP SS
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-13 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-10 oc bracing.
WEBS 1 Row at midpt 8-11 5-13, 6-12 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=1145/0-4-3 (min 0-1-8) 2=1593/0-3-8 (min 0-2-2)
Max Horz 2=373(LC 8)
Max Uplift 11=-392(LC 8) 2=-497(LC 8)
Max Grav 11=1199(LC 2) 2=1809(LC 2)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4703/1252, 3-4=-4809/1273, 4-5=-4689/1136, 5-6=-1963/405, 6-7=-591/102 7-8=-398/140, 8-11=-1179/399
BOT CHORD 2-16=-1514/4435, 15-16=-1514/4435 15-19=-1522/4620, 14-19=-1522/4620, 13-14=-1411/4682, 13-20=-549/1567 12-20=-549/1567
WEBS 4-15=-332/1189, 4-14=0/575, 5-14=-332/176, 5-13=-3380/937 6-13=-333/1424, 6-12=-1549/540 8-12=-410/1157

NOTES (11-13)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl GCpi=0.18 MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=392 2=497
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 82 lb up at 7-0-0 on top chord and 261 lb down and 196 lb up at 7-0-0, and 860 lb down and 136 lb up at 7-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others
10) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee PE: Florida P.E. License No 34869: Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822245
550284	T20	Piggyback Base Truss	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-44, 4-5=-44, 5-7=-44, 7-8=-44, 8-9=-14, 2-13=-10, 13-20=-40, 20-21=-10, 11-21=-40, 10-11=-10
   Concentrated Loads (lb)
   Vert: 4=-70(F) 15=-225(F) 19=-779(F)

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T21	PIGGYBACK BASE TRUSS	1	1	I7822246
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:05 2014 Page 1

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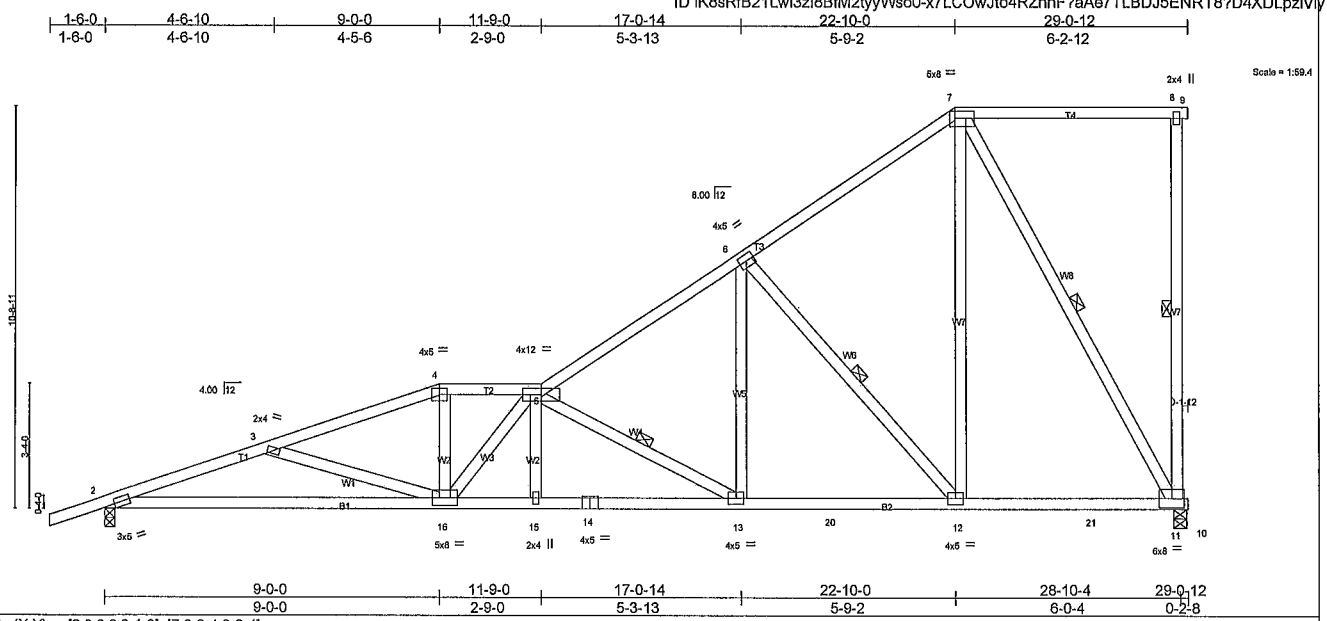

Plate Offsets (X,Y) [2:0-3-9,0-1-8], [7:0-6-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.21	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.31	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.08	11	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 3-6-4 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-10-0 oc bracing
WEBS 1 Row at midpt 8-11 5-13, 6-12 7-11

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

REACTIONS (lb/size) 11=914/0-4-3 (min 0-1-8) 2=894/0-3-8 (min 0-1-8)
Max Horz 2=374(LC 12)
Max Uplift 11=-287(LC 12) 2=-248(LC 12)
Max Grav 11=917(LC 2) 2=1012(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2553/1094, 3-4=-2228/842 4-5=-2125/841 5-6=-1483/464, 6-7=-722/245
BOT CHORD 2-16=-1493/2634, 15-16=-1228/2618, 14-15=-1228/2617 13-14=-1228/2617 13-20=-654/1368 12-20=-654/1368, 12-21=-280/599, 11-21=-280/599
WEBS 3-16=-330/324 4-16=-94/477 5-16=-426/63, 5-13=-1439/661 6-13=-295/834, 6-12=-1170/567 7-12=-379/1033, 7-11=-1195/558

NOTES (8-10)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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) 11=287 2=248.
7) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee PE: Florida P E. License No. 34869 Address 1109 Coastal Bay Blvd. Boynton Beach FL 33435

LOAD CASE(S) Standard

February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822247
550284	T22	Piggyback Base Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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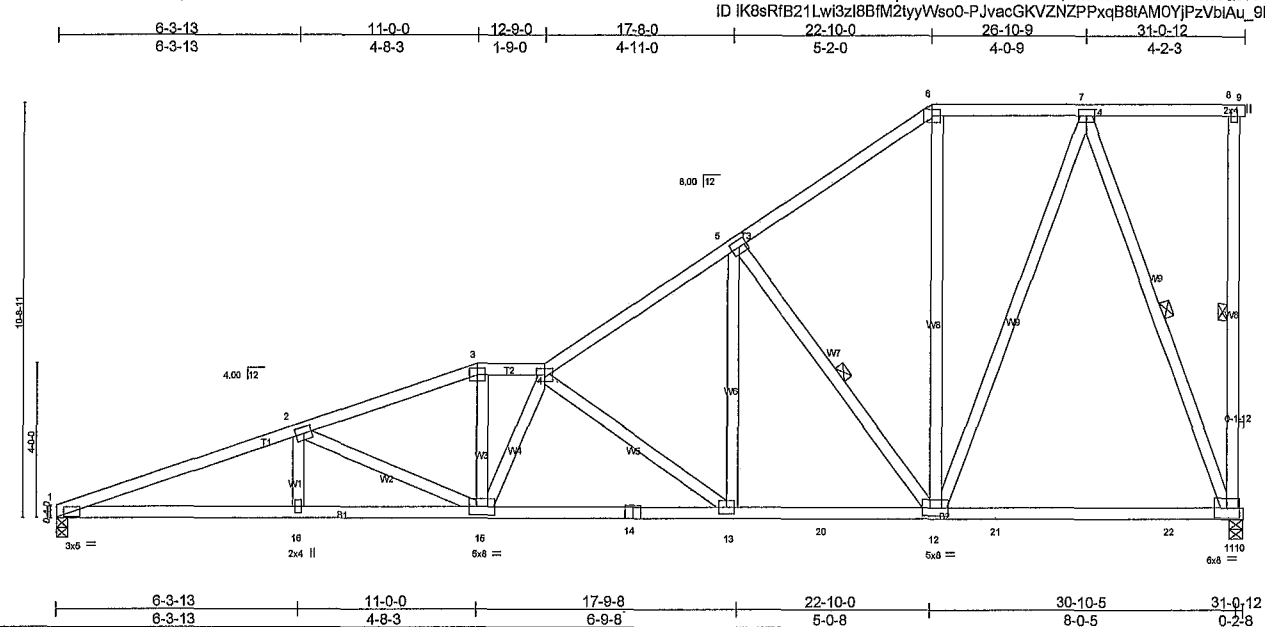


Plate Offsets (X,Y): [6:0-2-8,0-1-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.21	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.32	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.09	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 211 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 3-5-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-12 oc bracing
WEBS 1 Row at midpt 8-11 5-12, 7-11

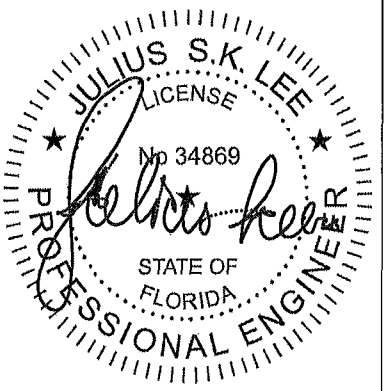
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=885/0-3-8 (min. 0-1-8) 11=993/0-4-3 (min. 0-1-9)
Max Horz 1=360(LC 12)
Max Uplift 1=-240(LC 12), 11=-281(LC 12)
Max Grav 1=995(LC 2) 11=993(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2700/1122 2-3=-2281/892, 3-4=-2161/884, 4-5=-1602/566, 5-6=-935/361, 6-7=-762/362
BOT CHORD 1-16=-1509/2753, 15-16=-1509/2753 14-15=-1216/2477 13-14=-1216/2477 13-20=-714/1454, 12-20=-714/1454 12-21=-216/429, 21-22=-216/429, 11-22=-216/429
WEBS 2-15=-455/344, 3-15=-147/535, 4-15=-301/42 4-13=-1281/629 5-13=-345/855 5-12=-1145/582 7-12=-416/953, 7-11=-1203/616

NOTES (9-11)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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) All plates are 4x5 MT20 unless otherwise indicated
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members with BCDL = 5.0psf
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=240 11=281
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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T23	Piggyback Base Truss	1	2	I7822248
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

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7-0-8	12-9-7	13-7 12	18-2-14	22-10-0	27-5-0	32-0-0	35-8-7	41-4-4	46-10-0	48-4-0
7-0-8	5-8-15	0-10-4	4-7-2	4-7-2	4-7-0	4-7-0	3-8-7	5-7-13	5-5-12	1-6-0

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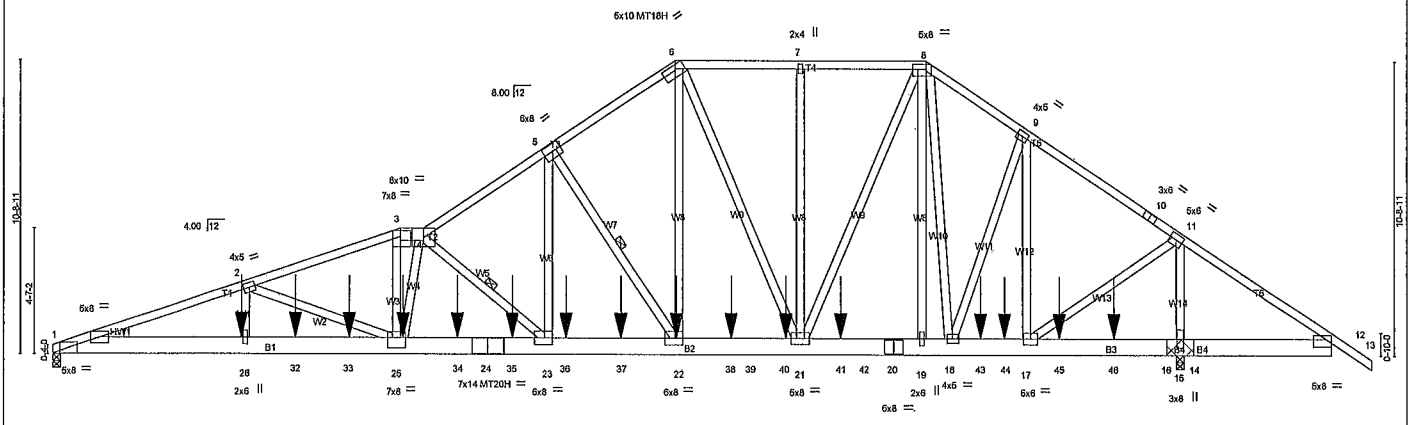

7-0-8	12-9-7	18-2-14	22-10-0	27-5-0	32-0-0	35-8-7	41-4-4	46-10-0
7-0-8	5-8-15	5-5-7	4-7-2	4-7-0	4-7-0	3-8-7	5-7 13	5-5-12

Plate Offsets (X,Y). [1 0-3-0,Edge], [1 1-4-13,0-4-5], [3:0-4-8,0-2-8], [6:0-6-0,0-1-8], [8:0-5-12,0-2-0], [22:0-3-8,0-3-0], [23,0-3-8,0-3-0], [25:0-4-0,0-4-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.86	Vert(LL) -0 51 23-25 >961 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0 54	Vert(TL) -0 96 23-25 >513 180	MT20H 187/143
BCLL 0 0 *	Rep Stress Incr NO	WB 0 89	Horz(TL) 0 14 15 n/a n/a	MT18H 244/190
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 828 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except*
T1 2x4 SP M 31 T2. 2x6 SP No.2 T3. 2x4 SP No.1
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
W8,W8,W13: 2x4 SP No.2
WEDGE
Left: 2x4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-2-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing 15-17 15-31
WEBS 1 Row at midpt 4-23, 5-22

REACTIONS (lb/size) 1=4809/0-3-8 (min 0-3-5) 15=6052/(0-3-8 + bearing block) (req. 0-4-1)
Max Horz 1=254(LC 5)
Max Uplift 1=-1491(LC 8) 15=-2085(LC 9)
Max Grav 1=5587(LC 2) 15=6922(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-17178/4567 2-3=-15222/4077 3-4=-14250/3852 4-5=-11452/3155 5-6=-8047/2332
6-7=-5979/1803, 7-8=-5979/1803, 8-9=-5463/1660, 9-10=-4943/1526, 10-11=-5034/1502
11 12=-150/354
BOT CHORD 1-26=-4402/16245, 26-32=-4402/16245, 32-33=-4402/16245, 25-33=-4402/16245
25-34=-3964/14687 24-34=-3964/14687 24-35=-3964/14687 23-35=-3964/14687
23-36=-2555/9507 36-37=-2555/9507 22-37=-2555/9507 22-38=-1825/6697 38-39=-1825/6697
39-40=-1825/6697 21-40=-1825/6697 21-41=-1230/4528, 41-42=-1230/4528 20-42=-1230/4528,
19-20=-1230/4528, 18-19=-1230/4526, 18-43=-1125/4112 43-44=-1125/4112 17-44=-1125/4112
WEBS 2-26=-228/1108, 2-25=-1970/570, 3-25=-1191/4571, 4-25=-1826/550, 4-23=-6956/1892
5-23=-1536/5959, 5-22=-5251/1478, 6-22=-1643/5826, 6-21=-1782/473, 7 21=-265/135,
8-21=-1025/3582, 9-18=-260/1061 9-17=-1524/259, 11-17=-1367/5147 11-15=-6089/1734,
8-18=-588/188

NOTES (14-16)

1) 2-ply truss to be connected together with 10d (0.131'x3") nails as follows.
Top chords connected as follows. 2x4 1 row at 0-7-0 oc, 2x6 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows. 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B) unless otherwise indicated.
3) 2x8 SP 2400F 2 0E bearing block 12' long at jt. 15 attached to each face with 4 rows of 10d (0.131'x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2
4) Unbalanced roof live loads have been considered for this design
5) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C Encl GCpi=0 18 MWFRS (envelope) cantilever right exposed Lumber DOL=1.60 plate grip DOL=1 60
6) Provide adequate drainage to prevent water ponding
7) All plates are MT20 plates unless otherwise indicated
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads

Continued on page 2

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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

NOTES (14-16)

9) * 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
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1491 15=2085.
12) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 586 lb down and 144 lb up at 6-10-12 586 lb down and 144 lb up at 8-10-12 586 lb down and 144 lb up at 10-10-12, 586 lb down and 144 lb up at 12-10-12, 586 lb down and 140 lb up at 14-10-12, 586 lb down and 145 lb up at 16-10-12 586 lb down and 152 lb up at 18-10-12 586 lb down and 159 lb up at 20-10-12 586 lb down and 198 lb up at 22-10-12 586 lb down and 198 lb up at 24-10-12, 586 lb down and 198 lb up at 26-10-12 663 lb down and 198 lb up at 28-10-12, 589 lb down and 133 lb up at 34-0-0, 603 lb down and 204 lb up at 34-10-12 and 586 lb down and 198 lb up at 36-10-12, and 631 lb down and 400 lb up at 38-10-12 on bottom chord The design/selection of such connection device(s) is the responsibility of others
14) 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
15) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
16) Truss Design Engineer: Julius Lee PE. Florida P E. License No. 34869· Address 1109 Coastal Bay Blvd. Boynton Beach FL 33435

LOAD CASE(S) Standard

1) Regular· Lumber Increase=1.25 Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-44 3-4=-44 4-6=-44 6-8=-44, 8-13=-44, 1-22=-10, 22-39=-40, 39-42=-10 19-42=-40, 19-29=-10
   Concentrated Loads (lb)
   Vert: 26=-493(B) 25=-493(B) 22=-493(B) 32=-493(B) 33=-493(B) 34=-493(B) 35=-493(B) 36=-493(B) 37=-493(B) 38=-493(B) 40=-493(B) 41=-663(B) 43=-495(F) 44=-507 45=-493(B) 46=-534(B)

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822249
550284	T24	Piggyback Base Truss	5	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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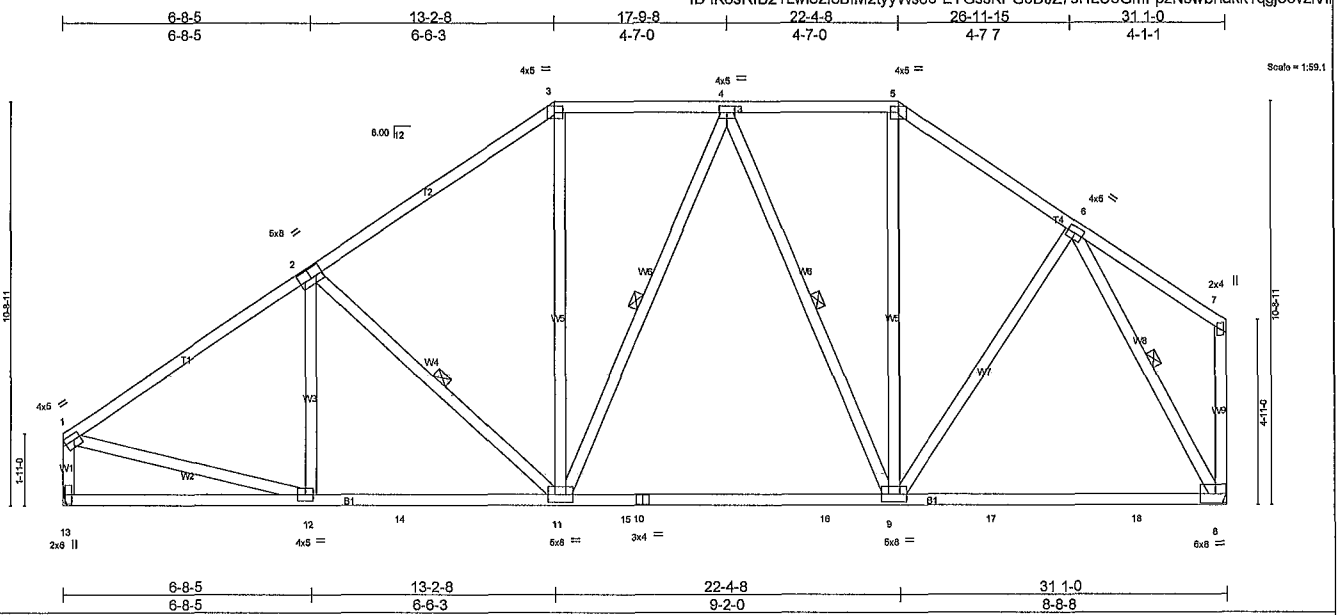


	6-8-5	13-2-8	22-4-8	31 1-0
	6-8-5	6-6-3	9-2-0	8-8-8

Plate Offsets (X,Y) [1.Edge,0-1 12], [2.0-4-0,0-3-0], [3.0-2-12,0-2-0], [5.0-2-8,0-1 13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.21	9-11	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0 30	9-11	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 226 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11 1 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-0-15 oc bracing. 11-12.
WEBS 1 Row at midpt 2-11 4-11 4-9 6-8

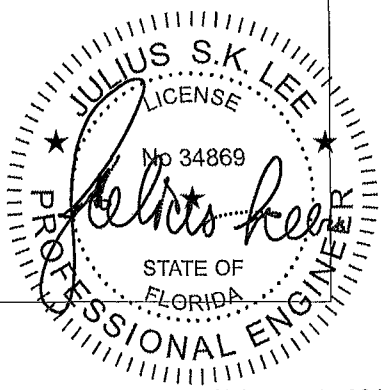
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 13=971/Mechanical 8=1043/Mechanical
Max Horz 13=273(LC 12)
Max Uplift 13=-389(LC 12) 8=-350(LC 13)
Max Grav 13=985(LC 2), 8=1043(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1553/597 2-3=-1389/634, 3-4=-1137/606, 4-5=-972/524, 5-6=-1178/559, 1 13=-1309/518
BOT CHORD 12-13=-321/280, 12-14=-536/1268, 11 14=-536/1268 11-15=-338/940 10-15=-338/940
10-16=-338/940, 9-16=-338/940 9-17=-251/646 17-18=-251/646, 8-18=-251/646
WEBS 2-11=-408/328 3-11=-138/382 4-9=-357/273, 5-9=-131/342 6-9=-163/347 1-12=-360/1124
6-8=-1332/531

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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) 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) 13=389, 8=350.
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE. Florida P E. License No. 34869; Address 1109 Coastal Bay Blvd Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822250
550284	T24G	GABLE	1	1	Job Reference (optional)	

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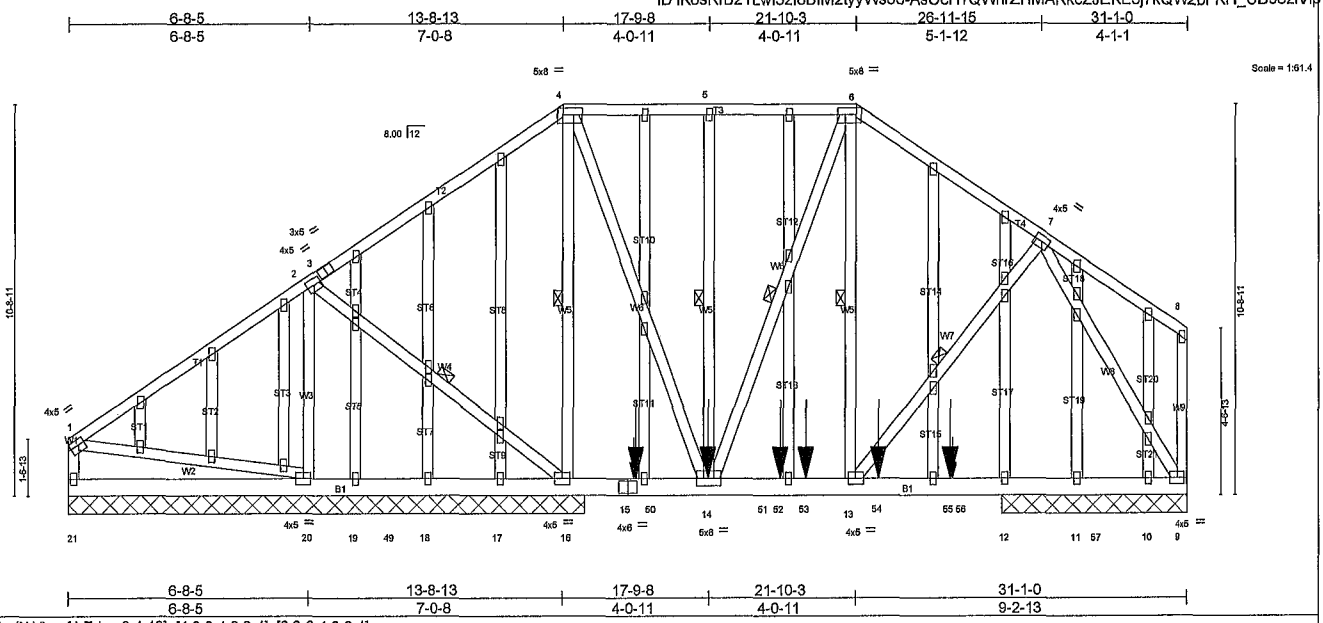

Plate Offsets (X,Y). [1 Edge,0-1-12], [4,0-6-4,0-2-4], [6:0-6-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	0 02	13-14	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.03	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.66	Horz(TL)	0 01	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 377 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-16, 4-16, 5-14, 6-14 6-13 7 13

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

REACTIONS All bearings 14-4-0 except (jt=length) 9=5-2-0, 12=5-2-0 11=5-2-0, 10=5-2-0.
(lb) - Max Horz 21=280(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 21 19, 17 12, 11 except 20=-243(LC 8)
16=-360(LC 8) 9=-312(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 19, 18 17 12 11 10 except 21=283(LC 2)
20=448(LC 15), 16=665(LC 2) 9=548(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-251/157 4-5=-236/281 5-6=-236/281 6-7=-410/313, 1-21=-252/89
BOT CHORD 20-21=-344/298, 14-51=-124/271 51-52=-124/271 52-53=-124/271 13-53=-124/271
13-54=-130/270, 54-55=-130/270, 55-56=-130/270 12-56=-130/270, 11-12=-130/270,
11-57=-130/270, 10-57=-130/270, 9-10=-130/270
WEBS 2-20=-378/261 4-16=-548/226, 4-14=-285/388, 7-9=-535/253

NOTES (14-16)
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=20ft; Cat. II Exp C, Encl GCpi=0.18; MWFRS (envelope) gable end zone Lumber DOL=1 60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only For studs exposed to wind (normal to the face) see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
4) Provide adequate drainage to prevent water ponding
5) All plates are 2x4 MT20 unless otherwise indicated.
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, with BCDL = 5.0psf
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) 21 19, 17 12 11 except (jt=lb) 20=243, 16=360, 9=312
11) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 17 lb down and 53 lb up at 15-8-8, 7 lb down and 27 lb up at 17-9-4, 7 lb down and 27 lb up at 19-9-4, 7 lb down and 27 lb up at 20-5-12, and 7 lb down and 27 lb up at 22-5-12 and 17 lb down and 53 lb up at 24-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B)

Continued on page 2

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822250
550284	T24G	GABLE	1	1	Job Reference (optional)

14) 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.
15) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
16) Truss Design Engineer: Julius Lee, PE. Florida P E. License No 34869: Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25 Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 4-6=-44 6-8=-44, 20-21=-10 20-49=-40, 16-49=-10, 16-50=-40, 50-51=-10, 13-51=-40 13-56=-10 56-57=-40, 9-57=-10
Concentrated Loads (lb)
Vert: 15=-4(B) 14=-6(B) 52=-6(B) 53=-6(B) 54=-6(B) 55=-4(B)

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T25	Half Hip Truss	1	1	I7822251
					Job Reference (optional)

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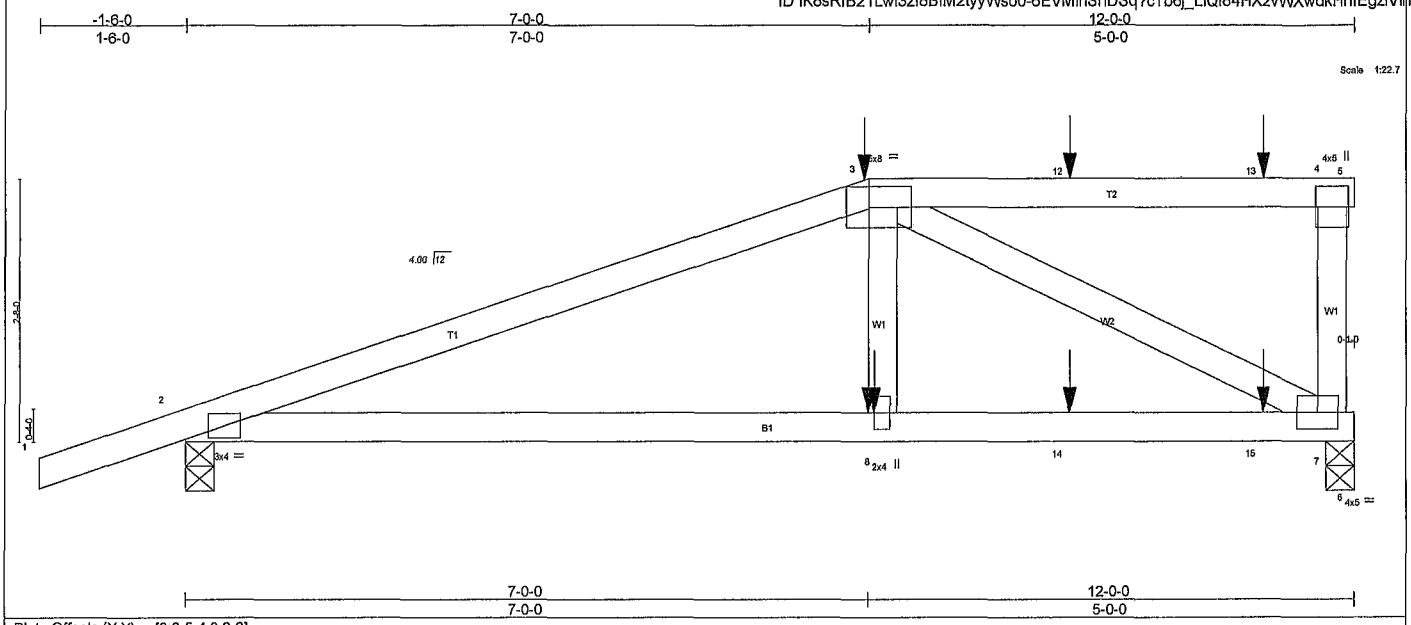

Plate Offsets (X,Y) [3:0-5-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.04	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.09	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 52 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-3 oc purlins except end verticals
BOT CHORD Rigid ceiling directly applied or 8-7-14 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=548/0-3-8 (min 0-1-8) 7=644/0-3-8 (min. 0-1-8)
Max Horz 2=107(LC 4)
Max Uplift 2=-290(LC 4) 7=-325(LC 4)
Max Grav 2=652(LC 2) 7=760(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1060/454, 4-7=-260/135
BOT CHORD 2-8=-469/1000 8-14=-465/973, 14-15=-465/973, 7-15=-465/973
WEBS 3-8=-142/467 3-7=-1003/488

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=20ft; Cat. II Exp C Encl GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.*
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=290 7=325.
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 81 lb up at 7-0-0 and 86 lb down and 82 lb up at 9-0-12 and 86 lb down and 82 lb up at 11-0-12 on top chord and 260 lb down and 196 lb up at 7-0-0 and 50 lb down at 9-0-12 and 50 lb down at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B)
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE. Florida P.E. License No 34869; Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-44 3-4=-44, 4-5=-14 6-9=-10
Concentrated Loads (lb)
Vert. 8=-223(F) 3=-69(F) 12=-70(F) 13=-70(F) 14=-26(F) 15=-26(F)

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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T26	Half Hip Truss	1	1	I7822252
					Job Reference (optional)

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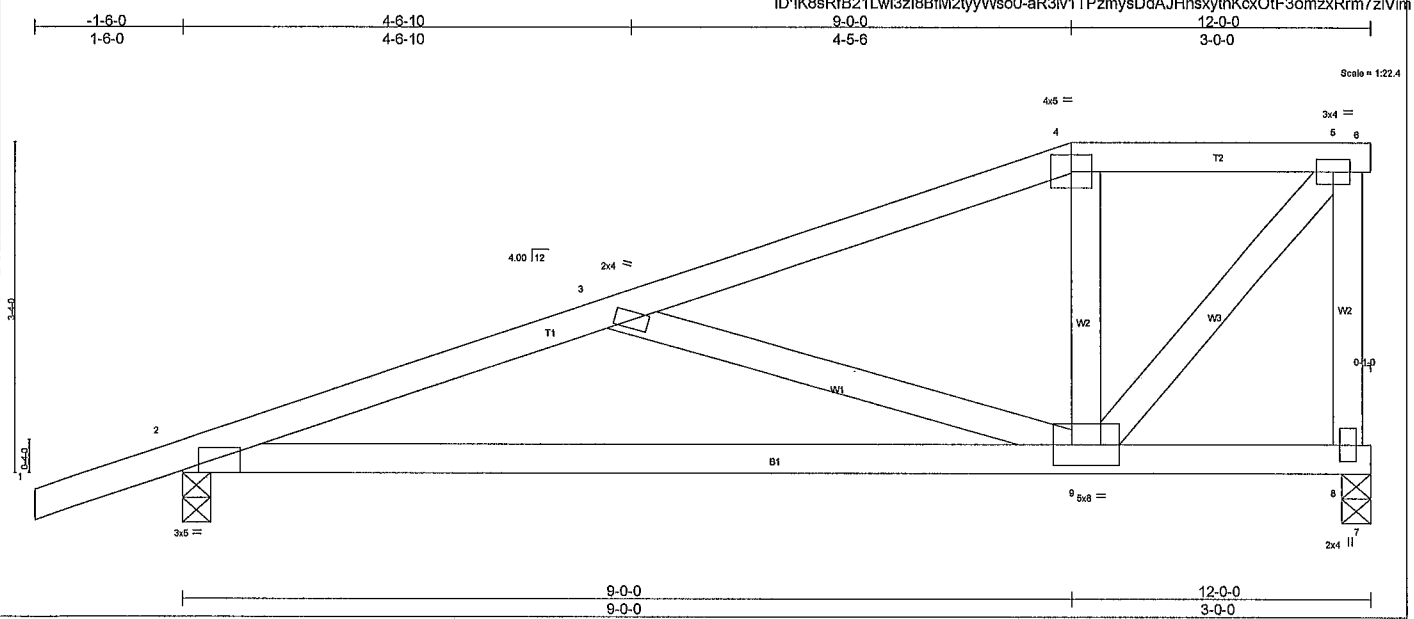


Plate Offsets (X,Y)-- [2:0-2-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.10	9-12	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.18	9-12	>796	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0 01	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 60 lb	FT = 20%

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

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

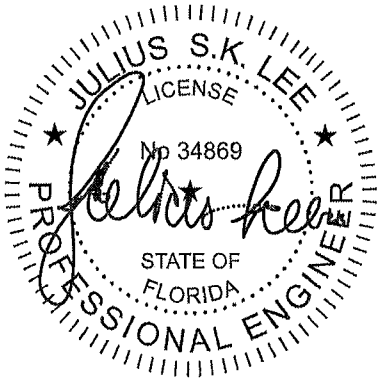
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=311/0-3-8 (min. 0-1-8) 2=396/0-3-8 (min. 0-1-8)
Max Horz 2=130(LC 8)
Max Uplift 8=-130(LC 8) 2=-172(LC 8)
Max Grav 8=369(LC 2), 2=471(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-776/516, 3-4=-339/177 4-5=-294/201 5-8=-404/290
BOT CHORD 2-9=-620/755
WEBS 3-9=-476/430, 5-9=-297/443

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=20ft; Cat. II Exp C; Encl GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1 60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=130 2=172.
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



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822253
550284	T27	Half Hip Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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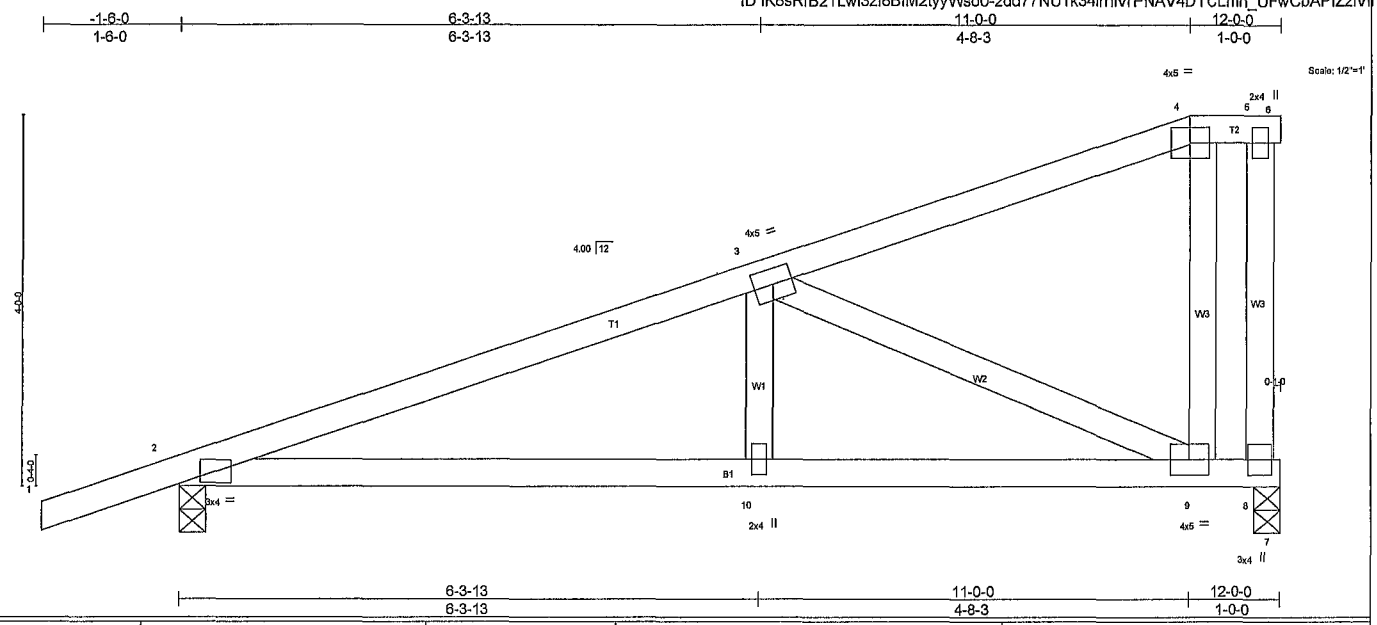


LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1.25	TC 0.35	Vert(LL) 0.05 9-10 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.31	Vert(TL) -0 07 9-10 >999 180	
*BCLL 0.0 **	*Rep Stress Incr* YES	WB 0.34	*Horz(TL)* 0.01 8 *n/a* *n/a*	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 59 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-8 oc bracing.

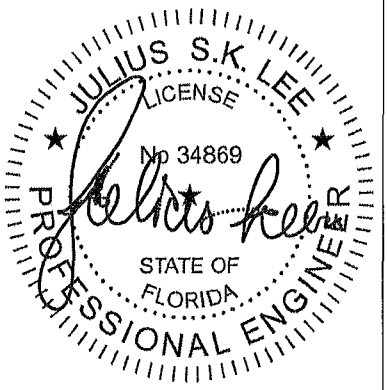
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=308/0-3-8 (min. 0-1-8) 2=399/0-3-8 (min. 0-1-8)
Max Horz 2=153(LC 8)
Max Uplift 8=-132(LC 8) 2=-170(LC 8)
Max Grav 8=365(LC 2) 2=475(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-719/425
BOT CHORD 2-10=-599/817, 9-10=-473/633
WEBS 3-9=-644/480

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=20ft; Cat. II Exp C Encl GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=132 2=170.
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



February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T28	Monopitch Truss	1	1	I7822264
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

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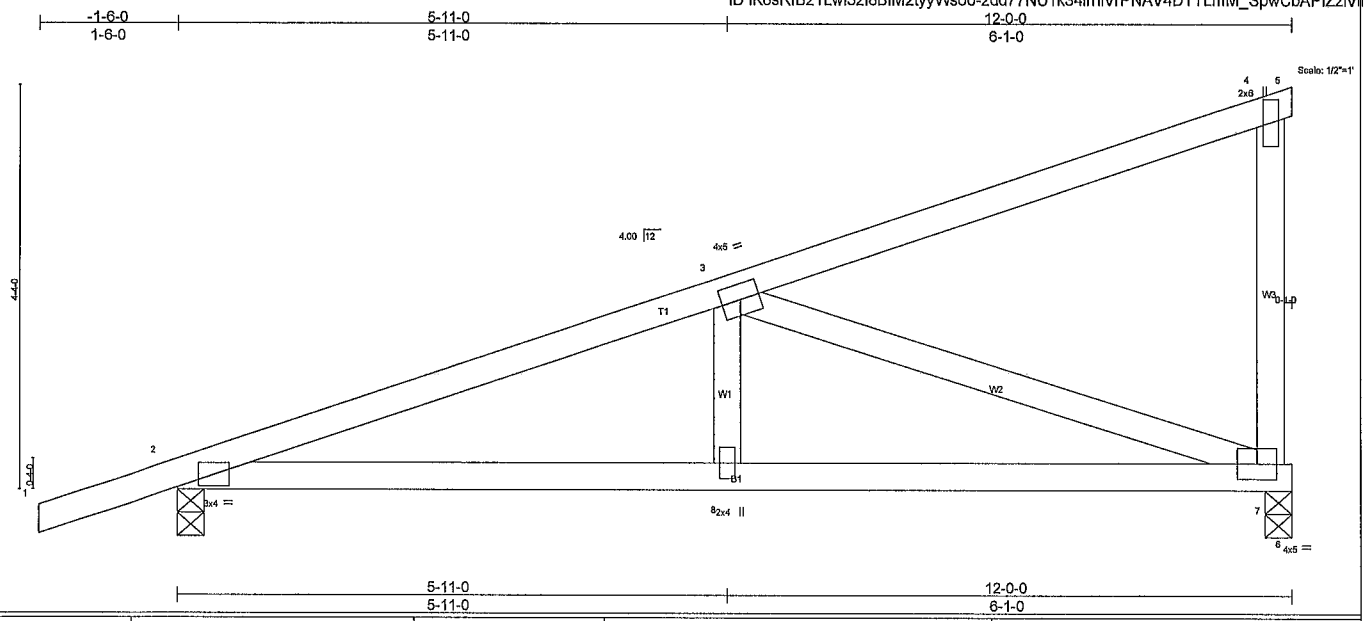

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	0.04	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.06	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 56 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-6 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=397/0-3-8 (min. 0-1-8) 7=311/0-3-8 (min. 0-1-8)
Max Horz 2=164(LC 8)
Max Uplift 2=-166(LC 8) 7=-140(LC 12)
Max Grav 2=473(LC 2) 7=367(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-695/369
BOT CHORD 2-8=-537/725, 7-8=-506/677
WEBS 3-7=-685/511

NOTES (7-9)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=166 7=140.
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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T29	MONOPITCH TRUSS	1	2	I7822255

Job Reference (optional)

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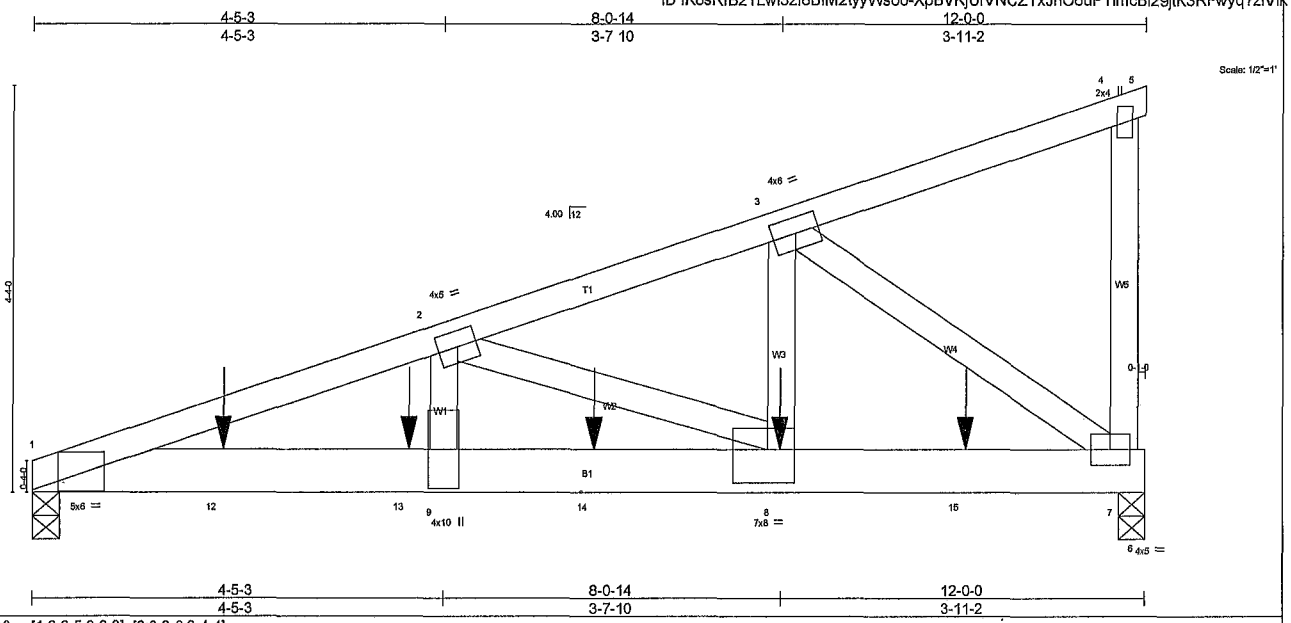


Plate Offsets (X,Y): [1,0-3-5,0-0-3], [8,0-3-8,0-4-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.08	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.14	9-11	>968	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 137 lb	FT = 20%

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

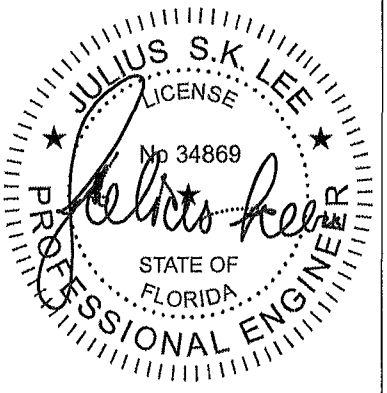
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-15 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS (lb/size) 1=2672/0-3-8 (min. 0-1-10), 7=2759/0-3-8 (min 0-1 11)
Max Horz 1=134(LC 4)
Max Uplift 1=-1064(LC 4), 7=-1145(LC 4)
Max Grav 1=2766(LC 2) 7=2855(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6488/2494, 2-3=-3463/1318
BOT CHORD 1-12=-2470/6146, 12-13=-2470/6146, 9-13=-2470/6146, 9-14=-2470/6146, 8-14=-2470/6146, 8-15=-1312/3267 7-15=-1312/3267
WEBS 2-9=-731/1887 2-8=-3093/1245, 3-8=-1237/3168, 3-7=-3972/1594

NOTES (10-12)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows 2x4 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 2 rows staggered at 0-9-0 oc.
Webs connected as follows. 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section Ply to ply connections have been provided to distribute only loads noted as (F) or (B) unless otherwise indicated
3) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl , GCpi=0.18; MWFRS (envelope), Lumber DOL=1 60 plate grip DOL=1.60
4) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1064, 7=1145.
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 975 lb down and 399 lb up at 2-0-12 975 lb down and 399 lb up at 4-0-12 975 lb down and 399 lb up at 6-0-12, and 975 lb down and 399 lb up at 8-0-12, and 975 lb down and 399 lb up at 10-0-12 on bottom chord The design/selection of such connection device(s) is the responsibility of others.
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
1) Regular: Lumber Increase=1.25 Plate Increase=1.25



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February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822255
550284	T29	MONOPITCH TRUSS	1	2	Job Reference (optional)

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-4=-44, 1 7=-10
Concentrated Loads (lb)
Vert: 8=-961(B) 12=-961(B) 13=-961(B) 14=-961(B) 15=-961(B)

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T30	Special Truss	3	1	I7822256
					Job Reference (optional)

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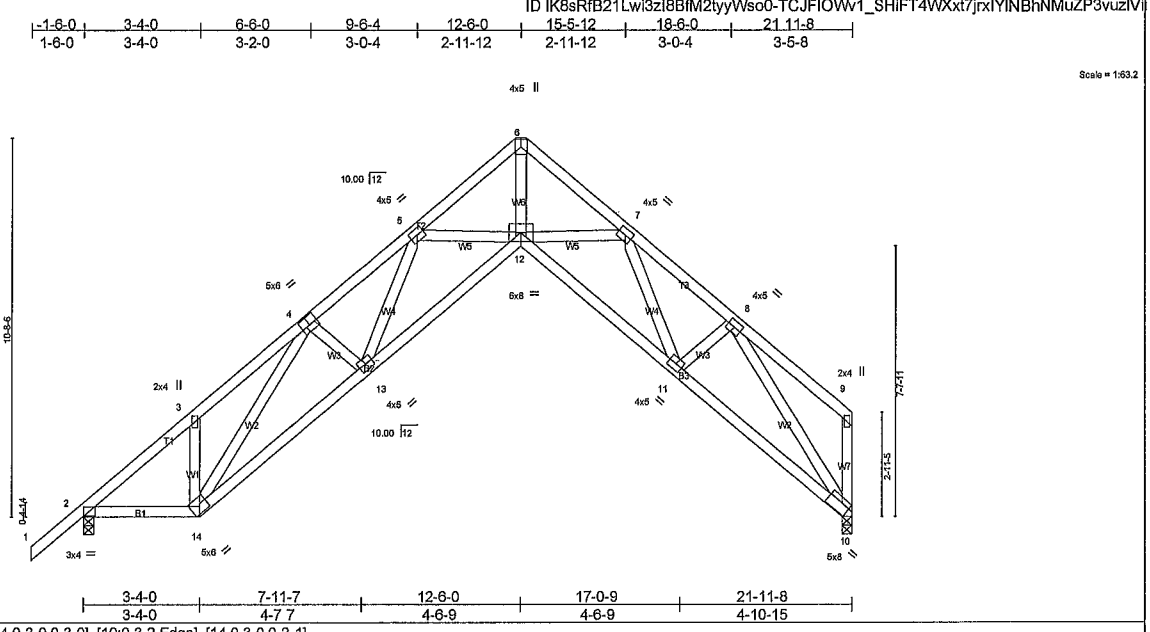


Plate Offsets (X,Y) [2:0-2-1,0-1-8], [4.0-3-0,0-3-0], [10:0-3-2,Edge], [14 0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	0.36	12-13	>737	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0 28	12-13	>922	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 95	Horz(TL)	-0 47	10	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 142 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 4-3-1 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-8-6 oc bracing.

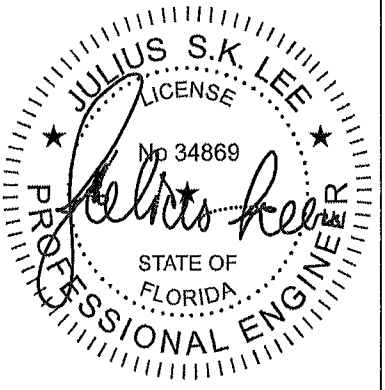
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 10=582/0-3-8 (min 0-1-8) 2=662/0-3-8 (min. 0-1-8)
Max Horz 2=351(LC 12)
Max Uplift 10=-281(LC 12) 2=-341(LC 12)
Max Grav 10=690(LC 2) 2=787(LC 2)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-915/1429 3-4=-952/1556, 4-5=-1648/2530, 5-6=-1851/1615, 6-7=-1851/1615, 7-8=-1254/1870
BOT CHORD 2-14=-1326/1268, 13-14=-1945/1465, 12-13=-1460/1816, 11 12=-1018/1550, 10-11=-1035/924
WEBS 3-14=-262/217 4-14=-875/992, 5-13=-577/1 5-12=-66/621 6-12=-1921/2072 7-12=-137/419 7-11=-667/207 8-11=-429/317 8-10=-1303/1717

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=20ft; Cat. II Exp C, Encl GCpi=0.18 MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1 60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No 2 crushing capacity of 565 psi
6) Bearing at joint(s) 10 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) 10=281 2=341
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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822257
550284	T30G	GABLE	1	2	Job Reference (optional)	

Builders FirstSource, Lake City FL 32055

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-1-6-0	3-4-0	6-6-1	9-6-4	12-6-0	15-5-12	18-5-15	21-8-0	25-0-0	26-6-0
1-6-0	3-4-0	3-2-1	3-0-4	2-11 12	2-11-12	3-0-4	3-2-1	3-4-0	1-6-0

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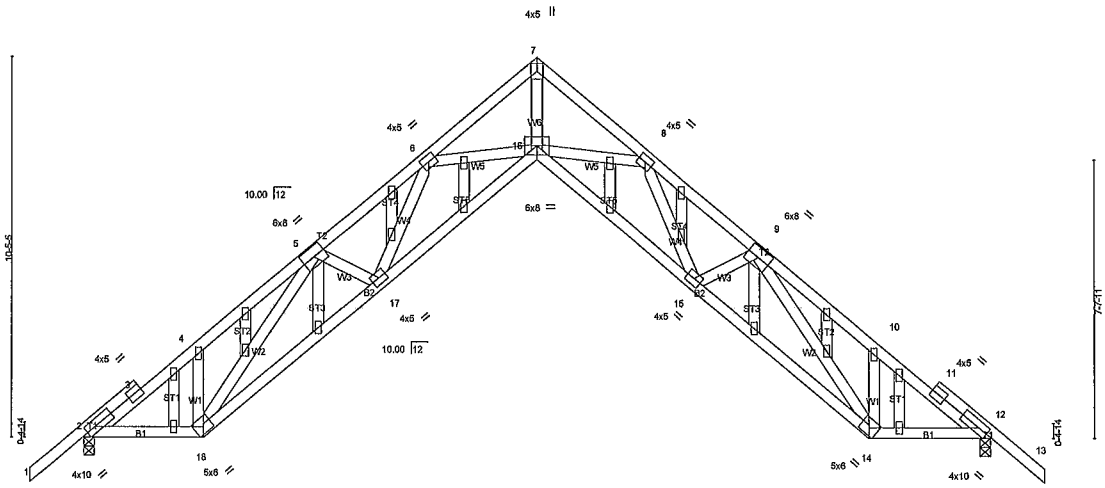

3-4-0	8-0-5	12-6-0	16-11 11	21-8-0	25-0-0
3-4-0	4-8-5	4-5-11	4-5-11	4-8-5	3-4-0

Plate Offsets (X,Y). [2,0-3-3,0-2-2], [12 0-3-3,0-2-2], [14,0-3-0,0-2-1], [18,0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 37	Vert(LL)	0 31	15-16	>962	240	MT20	244/190
TCDL	7 0	Lumber Increase	1 25	BC	0.29	Vert(TL)	-0.29	16	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 60	Horz(TL)	0.37	12	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 357 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 8-0-2 oc bracing.

REACTIONS (lb/size) 2=740/0-3-8 (min 0-1-8) 12=740/0-3-8 (min. 0-1-8)
Max Horz 2=-359(LC 10)
Max Uplift2=-384(LC 12), 12=-384(LC 13)
Max Grav 2=880(LC 2), 12=880(LC 2)

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

TOP CHORD	2-3=-1104/1760, 3-4=-1123/1828, 4-5=-1283/2042 5-6=-2275/3169 6-7=-2637/2163, 7-8=-2637/2163, 8-9=-2275/3180, 9-10=-1286/2042 10-11=-1123/1829, 11 12=-1104/1760
BOT CHORD	2-18=-1331/896, 17-18=-2308/1936, 16-17=-1908/2437 15-16=-1917/2437 14-15=-2325/1936 12-14=-1356/899
WEBS	7 16=-2651/3150 8-16=-208/754, 8-15=-659/35 9-15=-223/342, 9-14=-1138/1091 10-14=-375/334, 6-16=-157/760, 6-17=-602/0, 5-17=-227/313, 5-18=-1138/1112 4-18=-373/333

NOTES (13-15)

1) 2-ply truss to be connected together with 10d (0 131"x3") nails as follows
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows. 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows. 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B) unless otherwise indicated
3) Unbalanced roof live loads have been considered for this design
4) Wind ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=20ft, 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
5) 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
6) All plates are 2x4 MT20 unless otherwise indicated
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
9) * 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.
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=384 12=384.
12) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss.
13) 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.
14) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
15) Truss Design Engineer· Julius Lee, PE. Florida P E. License No. 34869· Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Continued on page 2

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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T30G	GABLE	1	2	I7822257 Job Reference (optional)

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T31	Special Truss	3	1	I7822258
					Job Reference (optional)

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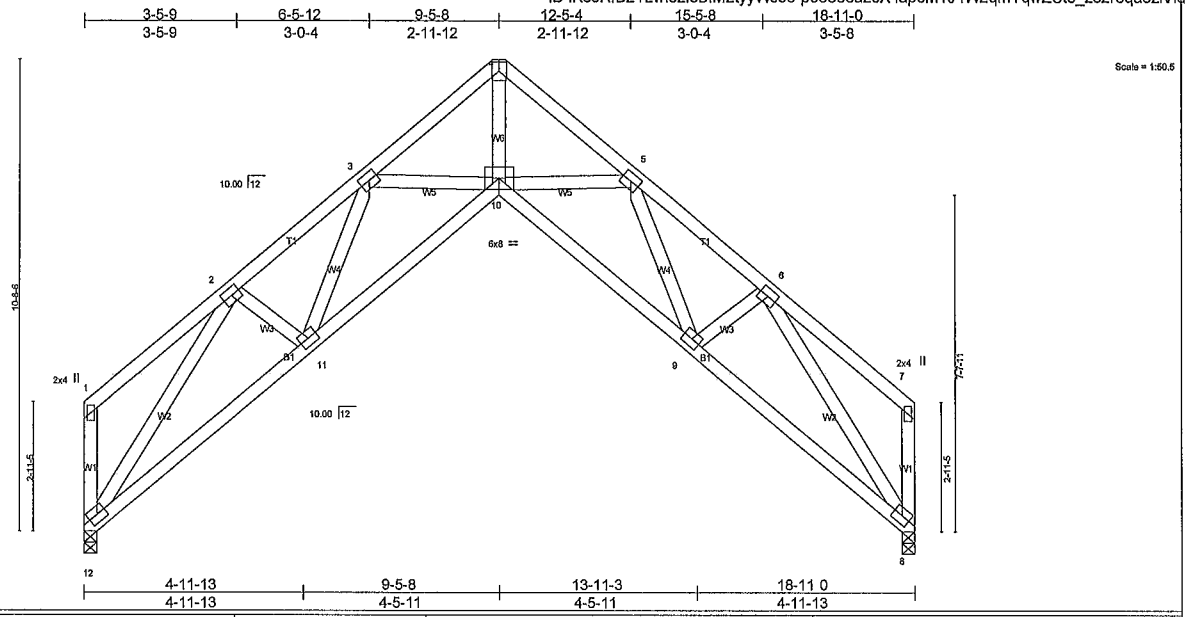


LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.37	Vert(LL) 0.19 10-11 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.41	Vert(TL) -0 18 10 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.80	Horz(TL) 0 35 8 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 129 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 4-10-6 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 5-11-4 oc bracing

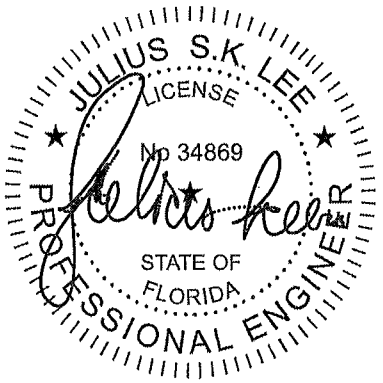
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=503/0-3-8 (min 0-1-8), 8=503/0-3-8 (min 0-1-8)
Max Horz 12=196(LC 9)
Max Uplift 12=-205(LC 8), 8=-205(LC 9)
Max Grav 12=596(LC 2) 8=596(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1050/1515, 3-4=-1434/912 4-5=-1434/912 5-6=-1050/1514
BOT CHORD 11-12=-791/872, 10-11=-553/1342 9-10=-553/1271 8-9=-790/787
WEBS 4-10=-1038/1549, 5-10=-84/475 5-9=-542/63 6-9=-303/247 6-8=-1094/1350, 3-10=0/475, 3-11=-498/17 2-11=-303/246, 2-12=-1095/1350

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=20ft; 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) All plates are 4x5 MT20 unless otherwise indicated
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Bearing at joint(s) 12 8 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=205, 8=205.
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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T32	Special Truss	4	1	I7822259
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 53:27 2014 Page 1

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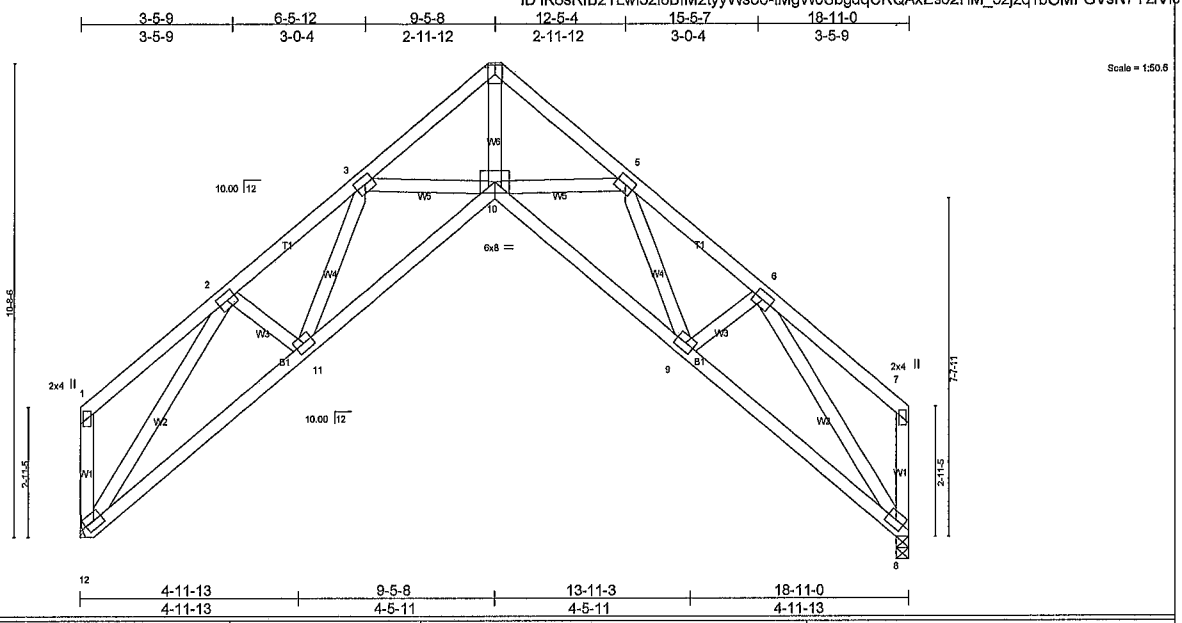


LOADING (psf)	SPACING 2-0-0	CSI	DEFL In (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0 17	Vert(LL) -0 09 10 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.29	Vert(TL) -0.18 10 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0 98	Horz(TL) 0 35 8 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 129 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 4-7-6 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 9-4-8 oc bracing.

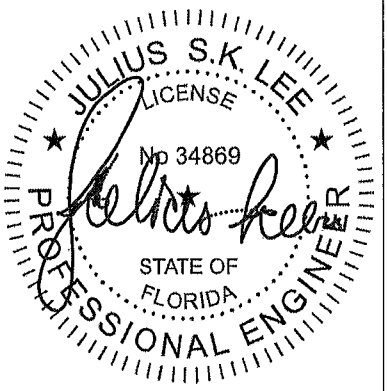
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=503/Mechanical, 8=503/0-3-8 (min. 0-1-8)
Max Horz 12=-196(LC 8)
Max Uplift 12=-134(LC 13) 8=-134(LC 12)
Max Grav 12=596(LC 2) 8=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1368/554, 3-4=-1596/427 4-5=-1596/427 5-6=-1368/554
BOT CHORD 11-12=-398/986, 10-11=-398/1398, 9-10=-319/1346, 8-9=-329/940
WEBS 4-10=-424/1753, 5-10=-167/283, 5-9=-456/115, 6-9=-36/280, 6-8=-1367/476, 3-11=-395/24
2-12=-1367/476

NOTES (10-13)
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=20ft; 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) All plates are 4x5 MT20 unless otherwise indicated
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Bearing at joint(s) 8 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=134, 8=134
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
13) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

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	SIMQUE RES. I7822260
550284	T33	Special Truss	1	1	Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:29 2014 Page 1

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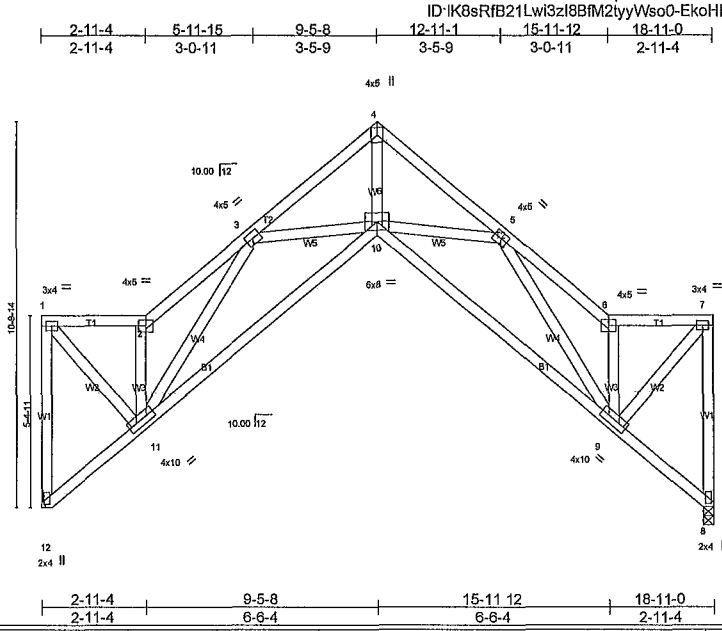


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0 10	10-11	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0 21	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.33	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 136 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 4-4-10 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 7 11-7 oc bracing

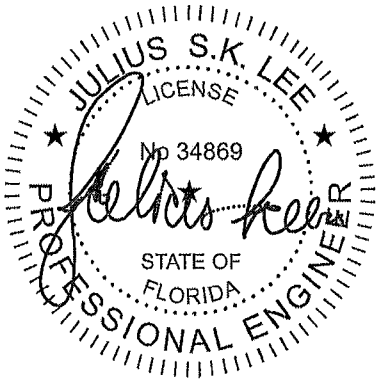
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=503/Mechanical 8=503/0-3-8 (min. 0-1-8)
Max Horz 12=137(LC 9)
Max Uplift 12=-130(LC 12) 8=-130(LC 13)
Max Grav 12=596(LC 2) 8=596(LC 2)

FORCES (lb) Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD 1 12=-724/313 1-2=-585/233, 2-3=-883/399 3-4=-1678/612 4-5=-1678/612, 5-6=-883/399 6-7=-585/233, 7-8=-724/313
BOT CHORD 10-11=-554/1402 9-10=-554/1402
WEBS 1-11=-347/876, 2-11=-721/363 3-11=-881/326, 4-10=-648/1839, 5-10=-108/254, 5-9=-881/326, 6-9=-721/363, 7-9=-347/876

NOTES (10-13)
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=20ft; Cat. II Exp C Encl GCpi=0 18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No 2 crushing capacity of 565 psi.
7) Bearing at joint(s) 8 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=130, 8=130
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
13) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822261
550284	T34	Special Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:31 2014 Page 1

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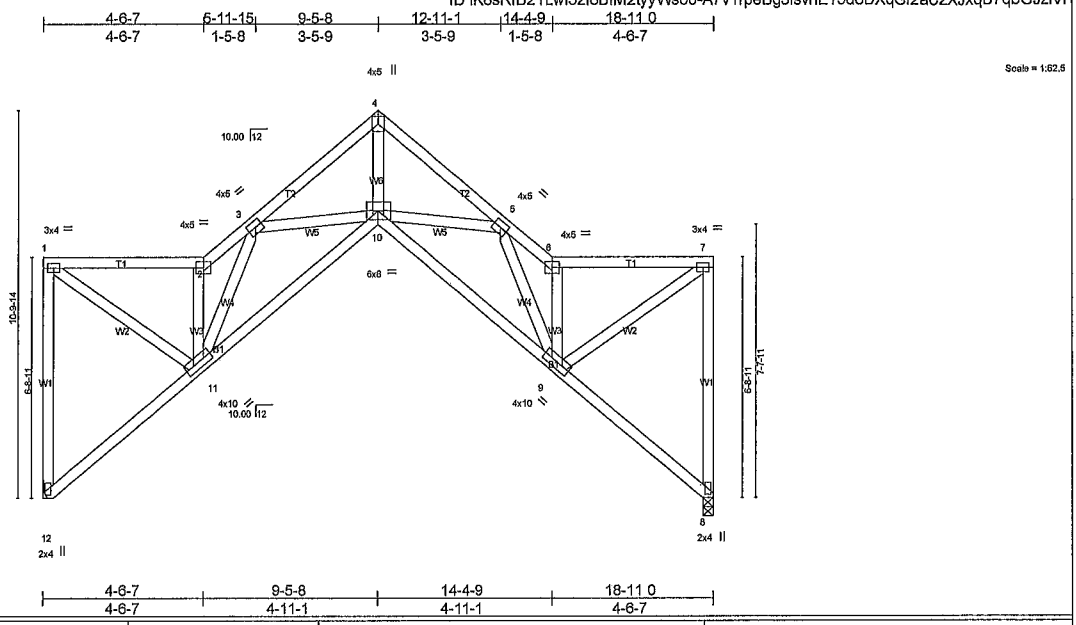


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.10	10	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.17	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.31	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 137 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 4-4-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-7 12 oc bracing

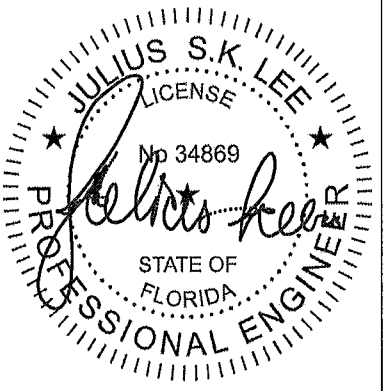
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=503/Mechanical 8=503/0-3-8 (min. 0-1-8)
Max Horz 12=103(LC 9)
Max Uplift 12=-135(LC 12) 8=-135(LC 13)
Max Grav 12=596(LC 2) 8=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 1-12=-681/331, 1-2=-808/347 2-3=-1124/502 3-4=-1658/679, 4-5=-1658/679, 5-6=-1124/502 6-7=-808/347 7-8=-681/331
BOT CHORD 10-11=-602/1383 9-10=-602/1383
WEBS 1-11=-419/979 2-11=-860/428, 4-10=-727/1807 6-9=-860/428, 7-9=-419/979 3-11=-564/239, 5-9=-564/239

NOTES (10-13)
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=20ft; Cat. II Exp C Encl GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1 60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Bearing at joint(s) 8 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=135, 8=135
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
13) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822262
550284	T35	Special Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:33 2014 Page 1

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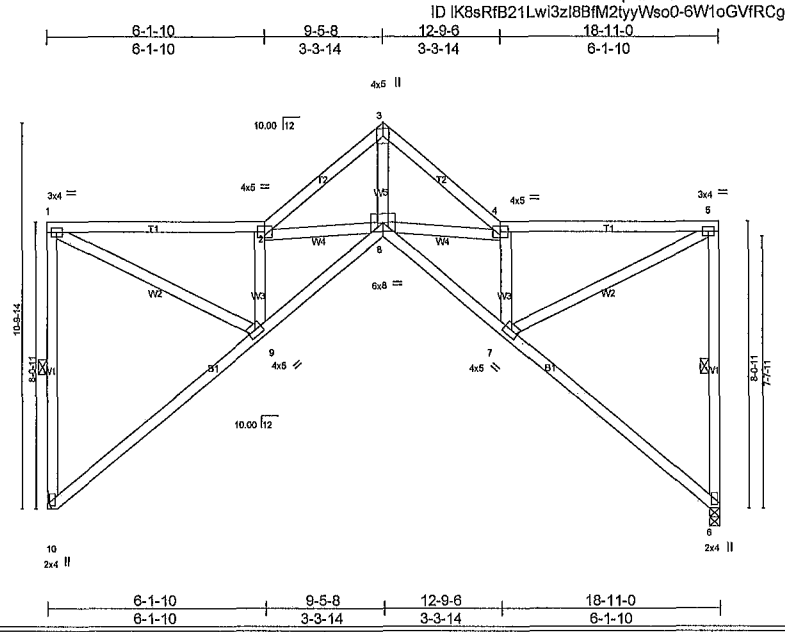

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0 11	8	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0 17	8	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.31	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 131 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 4-7-2 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 7-5-9 oc bracing.
WEBS 1 Row at midpt 1 10 5-6

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

REACTIONS (lb/size) 10=503/Mechanical 6=503/0-3-8 (min. 0-1-8)
Max Horz 10=-69(LC 8)
Max Uplift 10=-142(LC 12) 6=-142(LC 13)
Max Grav 10=596(LC 2) 6=596(LC 2)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 1 10=-646/344, 1-2=-965/442 2-3=-1585/714 3-4=-1585/714, 4-5=-965/442 5-6=-646/344
BOT CHORD 8-9=-627/1341 7-8=-627/1341
WEBS 1-9=-490/1072 2-9=-1280/652, 3-8=-780/1723, 4-7=-1280/652 5-7=-490/1072

NOTES (10-13)
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=20ft; Cat. II Exp C Encl , GCpi=0 18, MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
7) Bearing at joint(s) 6 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) 10=142, 6=142
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
13) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

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

February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822263
550284	T36	Special Truss	1	1	Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries Inc. Thu Feb 13 15:53:34 2014 Page 1
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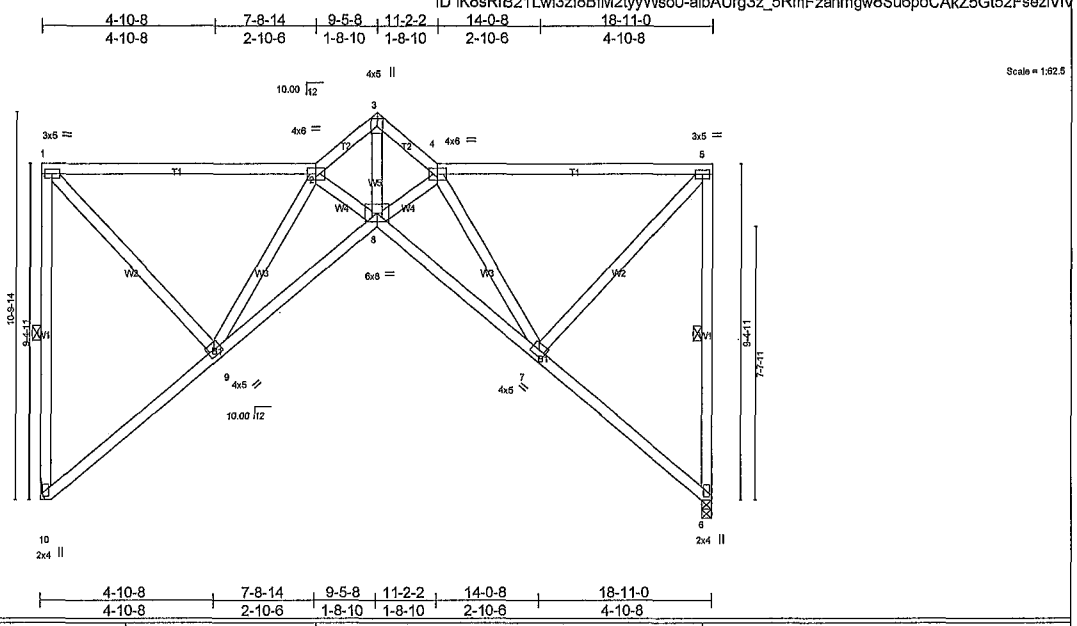


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 76	Vert(LL)	0 13	8	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 32	Vert(TL)	-0.19	8	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0 98	Horz(TL)	0.35	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 140 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11 0 oc bracing
WEBS 1 Row at midpt 1-10, 5-6

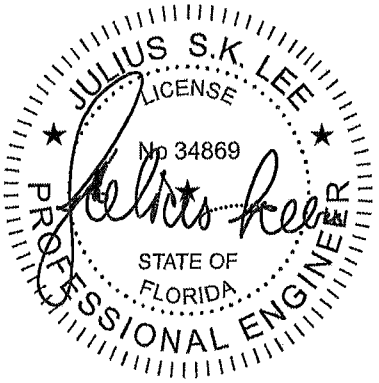
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 10=503/Mechanical 6=503/0-3-8 (min 0-1-8)
Max Horz 10=35(LC 9)
Max Uplift 10=-149(LC 12) 6=-149(LC 13)
Max Grav 10=596(LC 2) 6=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-626/349 1-2=-394/183 2-3=-1501/760 3-4=-1501/760, 4-5=-394/183 5-6=-626/349
BOT CHORD 8-9=-737/1420 7-8=-737/1420
WEBS 1-9=-262/571 3-8=-975/1843 5-7=-262/571 2-9=-1441/784 4-7=-1441/784

NOTES (10-13)
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=20ft; Cat. II Exp C, Encl GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Bearing at joint(s) 6 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) 10=149, 6=149
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
13) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822284
550284	T37	Common Truss	1	1	Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:36 2014 Page 1

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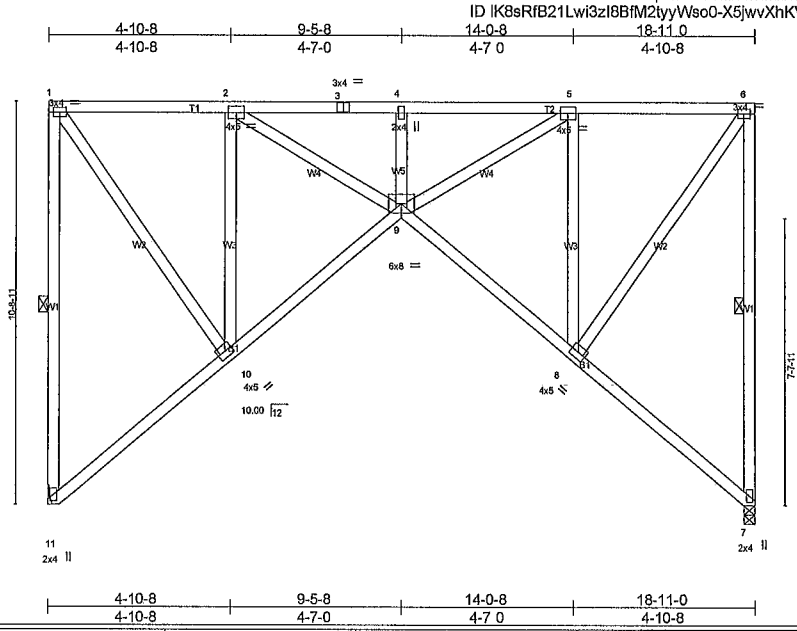

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.24	Vert(LL) 0 07 9 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.20	Vert(TL) -0.11 9 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.58	Horz(TL) 0 19 7 n/a n/a	
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 156 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS 1 Row at midpt 1 11 6-7

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

REACTIONS (lb/size) 11=503/Mechanical 7=503/0-3-8 (min. 0-1-8)
Max Uplift 11=-188(LC 8) 7=-188(LC 8)
Max Grav 11=596(LC 2) 7=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1 11=-590/352 1-2=-349/195, 2-3=-1054/592 3-4=-1054/592, 4-5=-1054/592, 5-6=-349/195, 6-7=-590/352
BOT CHORD 9-10=-263/463 8-9=-263/463
WEBS 1-10=-331/593 2-10=-715/463, 2-9=-463/822 5-9=-463/822 5-8=-715/463, 6-8=-331/593

NOTES (9-12)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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) 7 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) 11=188, 7=188
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P E License No. 34869: Address. 1109 Coastal Bay Blvd Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

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

February 13,2014

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	SIMQUE RES.	I7822265
550284	T38	Piggyback Base Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 53:37 2014 Page 1

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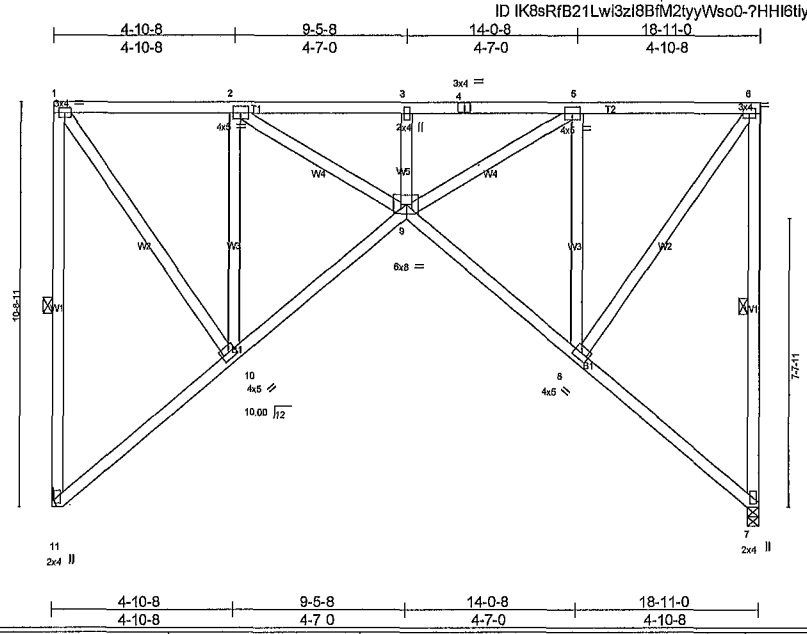

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20 0	Plates Increase 1 25	TC 0.24	Vert(LL) 0.07 9 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.20	Vert(TL) -0 11 9 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.58	Horz(TL) 0.19 7 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 156 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7 10 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS 1 Row at midpt 1 11, 6-7

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

REACTIONS (lb/size) 11=503/Mechanical 7=503/0-3-8 (min. 0-1-8)
Max Uplift 11=-188(LC 8), 7=-188(LC 8)
Max Grav 11=596(LC 2) 7=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-590/352 1-2=-349/195, 2-3=-1054/592 3-4=-1054/592, 4-5=-1054/592 5-6=-349/195, 6-7=-590/352
BOT CHORD 9-10=-263/463 8-9=-263/463
WEBS 1-10=-331/593 2-10=-715/463, 2-9=-463/822, 5-9=-463/822 5-8=-715/463, 6-8=-331/593

NOTES (9-12)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf BCDL=3.0psf h=20ft; 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) 7 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) 11=188, 7=188.
8) Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE. Florida P E. License No. 34869 Address 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T39	Piggyback Base Truss	1	1	I7822266
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:38 2014 Page 1

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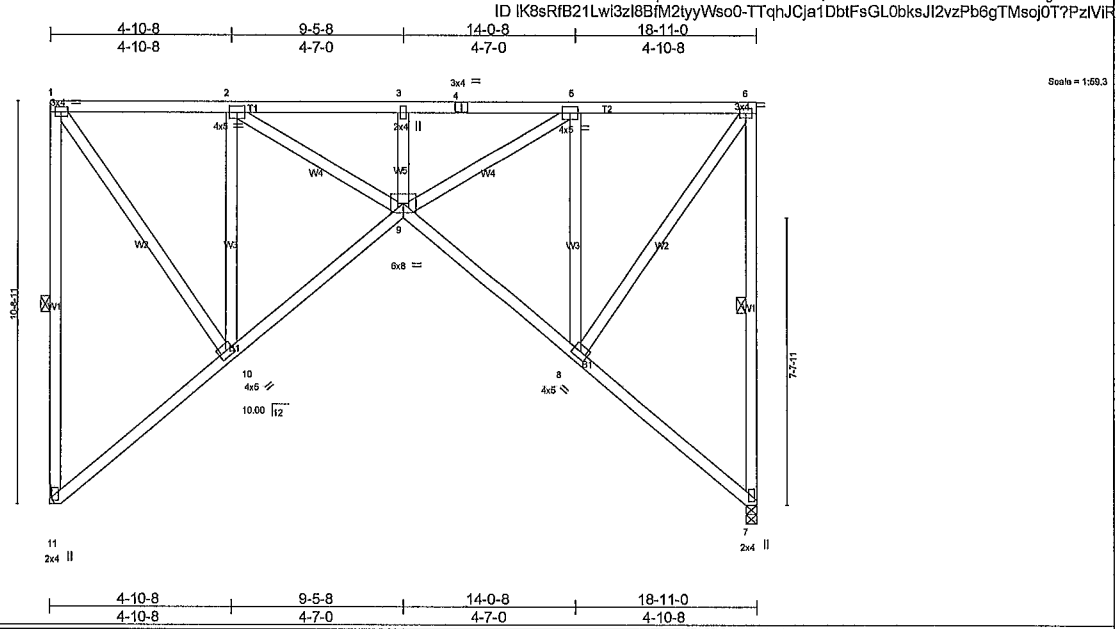


LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.24	Vert(LL) 0 07 9 >999 240	MT20 244/190
TCDL 7 0	Lumber Increase 1.25	BC 0.20	Vert(TL) -0 11 9 >999 180	
BCLL 0 0 *	Rep Stress Incr YES	WB 0.58	Horz(TL) 0.19 7 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight. 156 lb FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7 10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS 1 Row at midpt 1 11 6-7

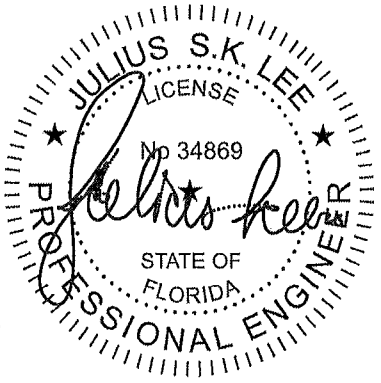
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 11=503/Mechanical, 7=503/0-3-8 (min. 0-1-8)
Max Uplift 11=-188(LC 8) 7=-188(LC 8)
Max Grav 11=596(LC 2) 7=596(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1 11=-590/352 1-2=-349/195 2-3=-1054/592 3-4=-1054/592 4-5=-1054/592, 5-6=-349/195, 6-7=-590/352
BOT CHORD 9-10=-263/463 8-9=-263/463
WEBS 1 10=-331/593 2-10=-715/463, 2-9=-463/822 5-9=-463/822 5-8=-715/463, 6-8=-331/593

NOTES (9-12)
1) Wind: ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=20ft, 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) 7 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) 11=188, 7=188
8) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer· Julius Lee PE: Florida P E. License No 34869· Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822267
550284	T40	Piggyback Base Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:40 2014 Page 1

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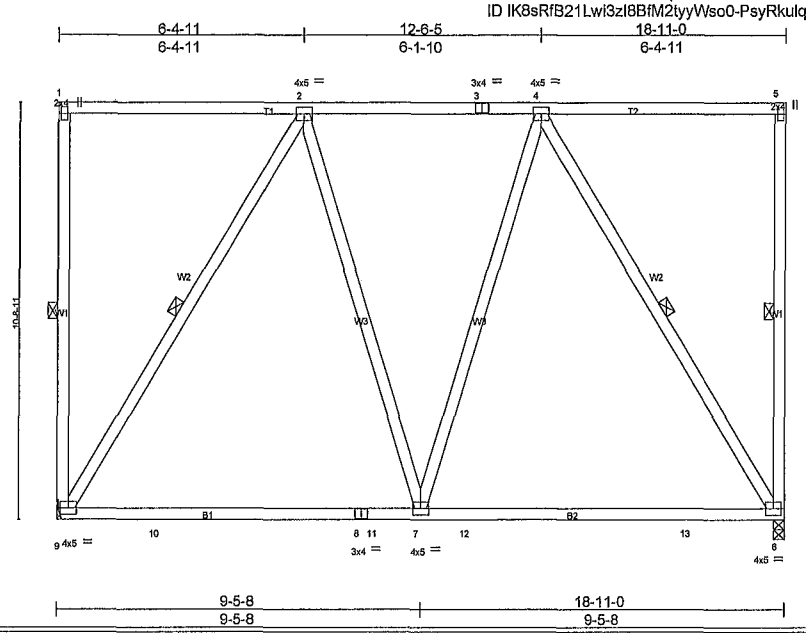

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.27	6-7	>828	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 92	Vert(TL)	-0.40	6-7	>561	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0 01	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 153 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 9=673/Mechanical 6=673/0-3-8 (min. 0-1-8)
Max Uplift 9=-188(LC 8) 6=-188(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-384/142, 3-4=-384/142
BOT CHORD 9-10=-152/333, 8-10=-152/333, 8-11=-152/333, 7 11=-152/333, 7-12=-152/333, 12-13=-152/333, 6-13=-152/333
WEBS 2-9=-630/291 4-6=-630/291

NOTES (8-11)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf BCDL=3.0psf h=20ft; 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=188, 6=188.
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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T41	Common Truss	1	1	I7822268
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:41 2014 Page 1

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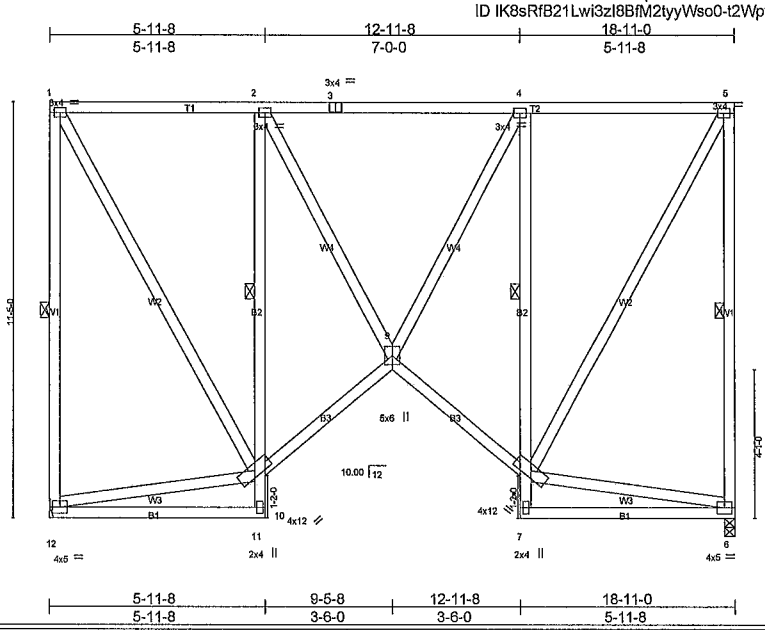

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.44	Vert(LL)	-0 04	6-7	>999	240	MT20	244/190
TCDL 7 0	Lumber Increase 1 25	BC 0.22	Vert(TL)	-0 08	6-7	>999	180		
BCLL 0 0 *	Rep Stress Incr YES	WB 0 77	Horz(TL)	0.06	6	n/a	n/a		
BCDL 5 0	Code FBC2010/TPI2007	(Matrix-M)						Weight. 197 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2 2x4 SP No.3
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 Except.
1 Row at midpt 2-10, 4-8
WEBS 1 Row at midpt 1-12, 5-6

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

REACTIONS (lb/size) 12=503/Mechanical 6=503/0-3-8 (min. 0-1-8)
Max Uplift 12=-188(LC 8) 6=-188(LC 8)
Max Grav 12=596(LC 2) 6=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1 12=-578/356, 1-2=-259/149 2-3=-385/210, 3-4=-385/210, 4-5=-259/149 5-6=-578/356
BOT CHORD 2-10=-632/418, 9-10=-203/351 8-9=-203/351 4-8=-632/418
WEBS 1 10=-302/523, 2-9=-130/269 4-9=-130/269, 5-8=-302/523

NOTES (8-11)

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph· TCDL=4.2psf· BCDL=3.0psf· h=20ft; 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) 12=188, 6=188.
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

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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T42	Common Truss	1	1	I7822269
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:43 2014 Page 1

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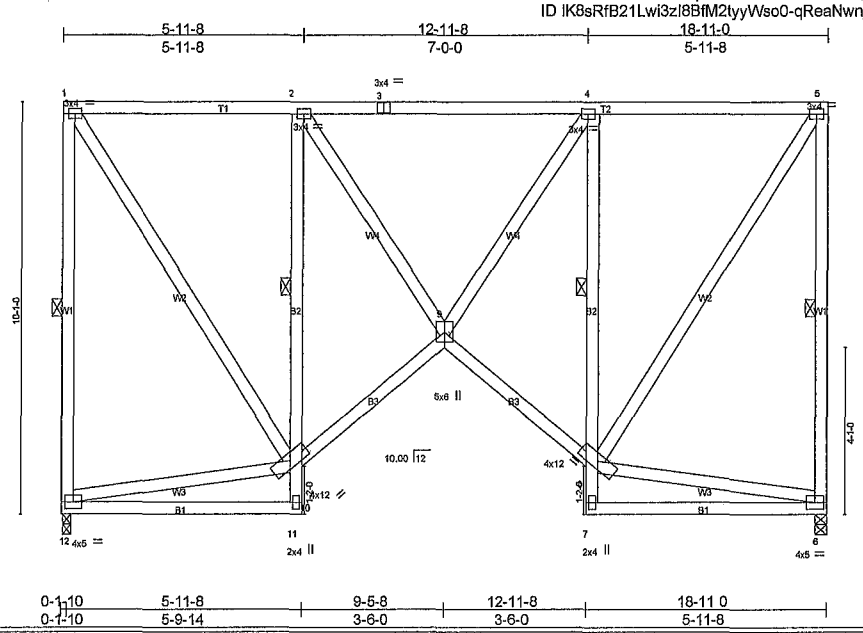

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.44	Vert(LL) -0.04 6-7 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.22	Vert(TL) -0.08 6-7 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.65	Horz(TL) 0.06 6 n/a n/a	
BCDL 5.0	Code FBC2010/TPI2007	(Matrix-M)		Weight: 182 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 2-10, 4-8
WEBS 1 Row at midpt 1-12, 5-6

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

REACTIONS (lb/size) 12=503/0-2-7 (min 0-1-8), 6=503/0-3-8 (min 0-1-8)
Max Uplift 12=-188(LC 8), 6=-188(LC 8)
Max Grav 12=596(LC 2), 6=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-578/356, 1-2=-299/172, 2-3=-476/260, 3-4=-476/260, 4-5=-299/172, 5-6=-578/356
BOT CHORD 2-10=-665/437, 9-10=-233/403, 8-9=-233/403, 4-8=-665/437
WEBS 1-10=-313/542, 2-9=-160/323, 4-9=-160/323, 5-8=-313/542

NOTES (9-12)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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 at joint(s) 12.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=188, 6=188.
8) 'Semi-rigid pitchbreaks including heels' Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P E. License No. 34869: Address. 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member.

LOAD CASE(S) Standard

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

February 13,2014

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822270
550284	T43	Common Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

7 350 s Sep 27 2012 MiTek Industries Inc. Thu Feb 13 15 53:45 2014 Page 1

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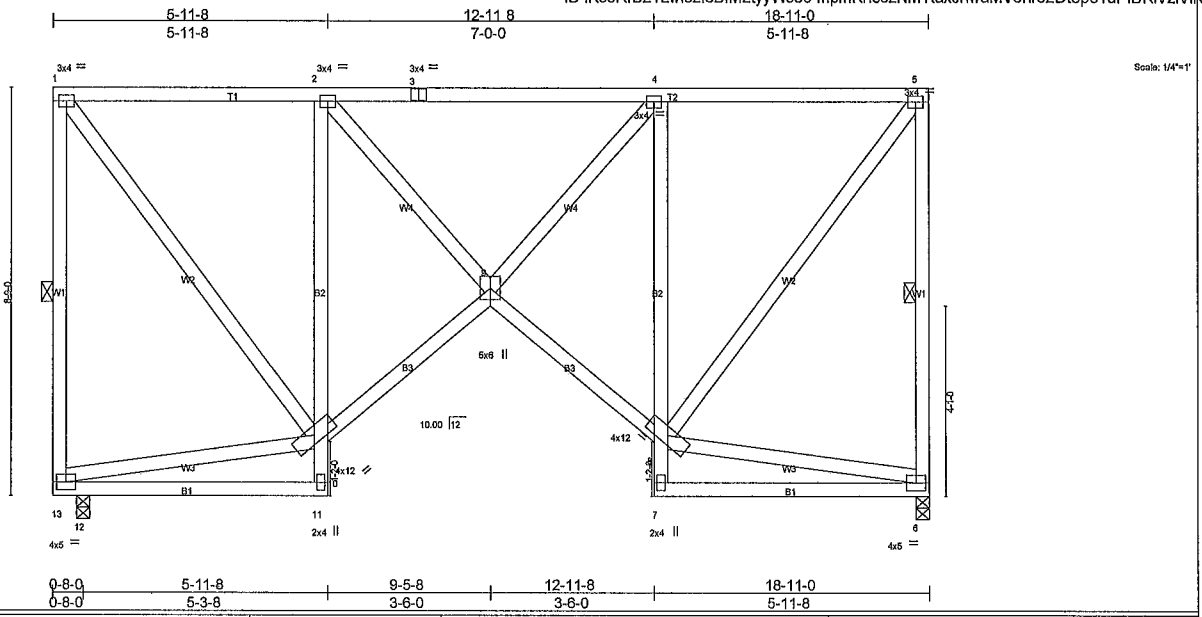


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.06	9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0 09	6-7	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 167 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 6-0-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 1 13 5-6

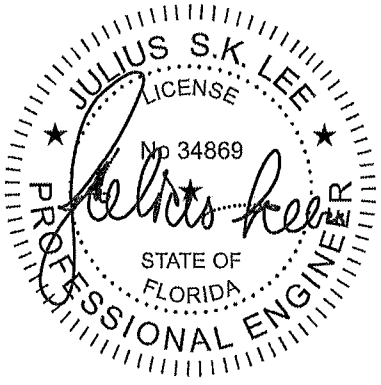
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 6=488/0-3-8 (min. 0-1-8) 12=517/0-3-8 (min. 0-1-8)
Max Uplift6=-183(LC 8) 12=-194(LC 8)
Max Grav 6=579(LC 2), 12=613(LC 2)

FORCES (lb) - Max. Comp./Max. Ten - All forces 250 (lb) or less except when shown
TOP CHORD 1-13=-548/340, 1-2=-322/186, 2-3=-585/319, 3-4=-585/319 4-5=-338/195, 5-6=-560/346
BOT CHORD 2-10=-704/460 9-10=-252/434, 8-9=-264/456 4-8=-681/447
WEBS 1-10=-311/538, 2-9=-204/404, 4-9=-189/378, 5-8=-318/550

NOTES (8-11)
1) Wind· ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf· BCDL=3.0psf· h=20ft, 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) 6=183, 12=194.
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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822271
550284	T44	Common Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:46 2014 Page 1

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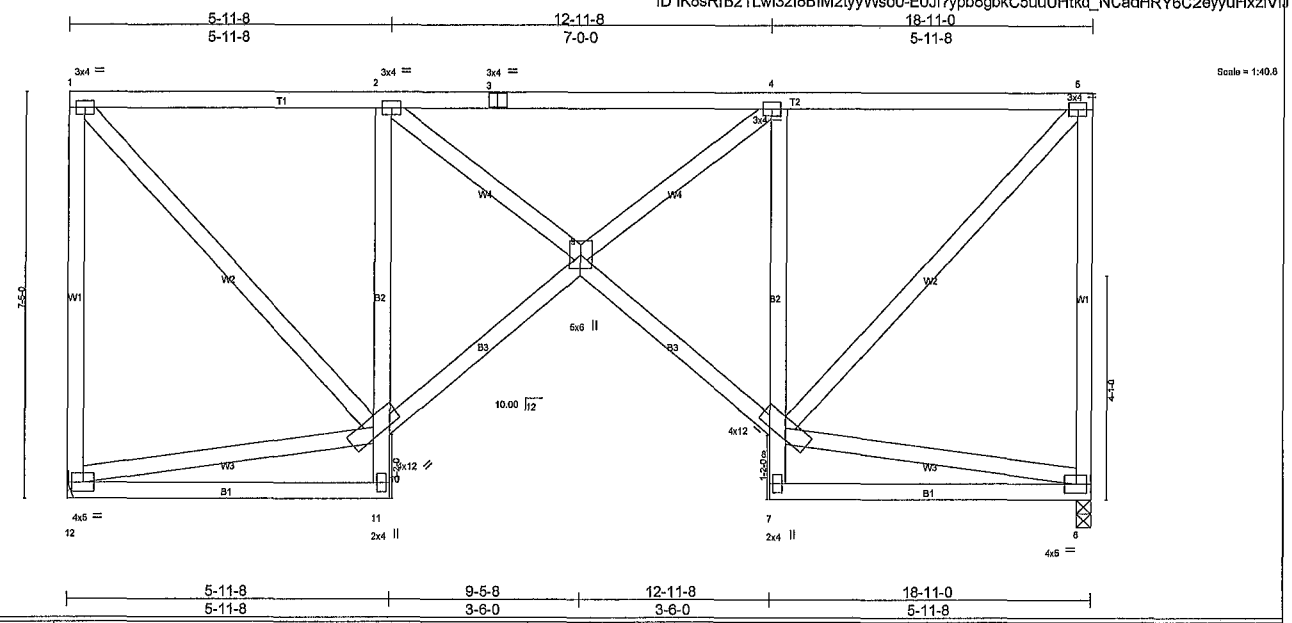

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 52	Vert(LL)	0 06	9	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0 09	6-7	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.08	6	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 154 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-8-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

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

REACTIONS (lb/size) 12=503/Mechanical 6=503/0-3-8 (min 0-1-8)
Max Uplift 12=-188(LC 8) 6=-188(LC 8)
Max Grav 12=596(LC 2) 6=596(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-578/356, 1-2=-428/246, 2-3=-898/490, 3-4=-898/490, 4-5=-428/246 5-6=-578/356
BOT CHORD 2-10=-774/500, 9-10=-332/575, 8-9=-332/575, 4-8=-774/500
WEBS 1-10=-357/619, 2-9=-312/603, 4-9=-312/603, 5-8=-357/619

NOTES (8-11)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf BCDL=3.0psf h=20ft, 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) 12=188, 6=188.
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

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

February 13,2014

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	SIMQUE RES.	I7822272
550284	T45	Common Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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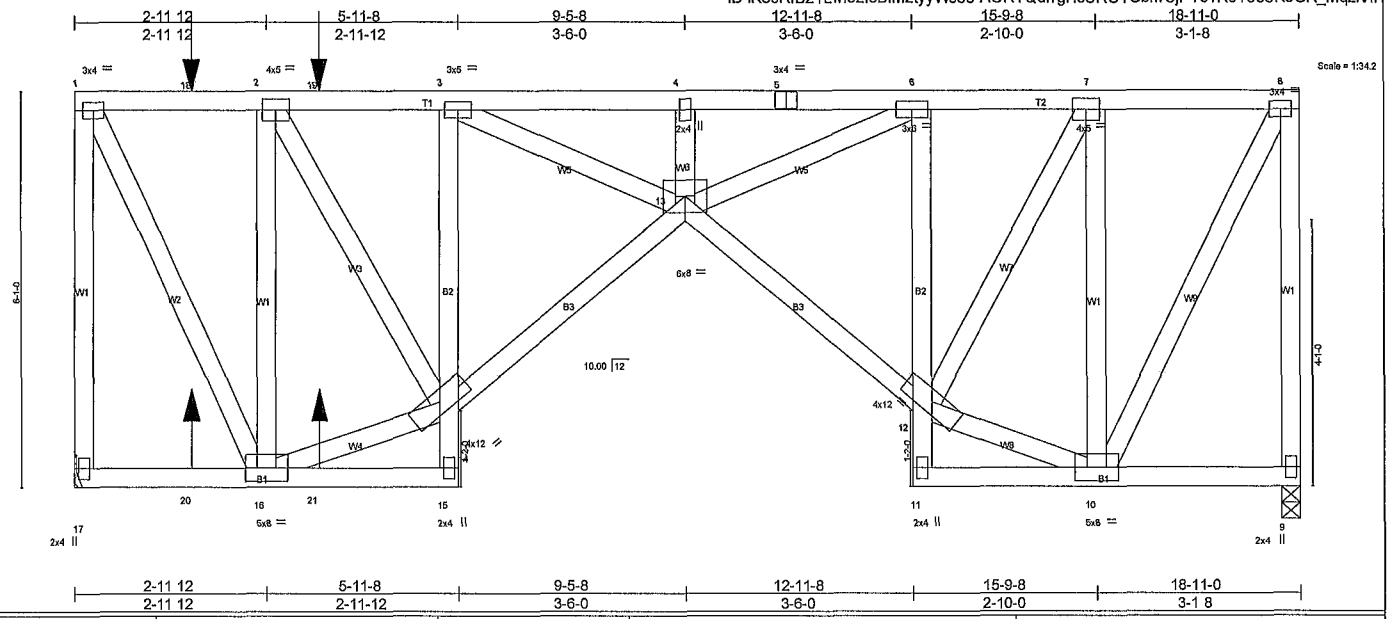


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20 0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0 10	13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0 18	13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0 50	Horz(TL)	0 16	9	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 163 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

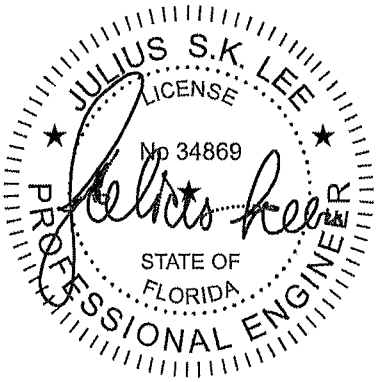
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

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

REACTIONS (lb/size) 17=544/Mechanical, 9=510/0-3-8 (min 0-1-8)
Max Uplift 17=-390(LC 4) 9=-222(LC 4)
Max Grav 17=641(LC 2), 9=603(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 1-17=-625/392 1 18=-272/164, 2-18=-272/164, 2-19=-523/253 3-19=-523/253 3-4=-1711/713, 4-5=-1711/713 5-6=-1711/713, 6-7=-511/199, 7-8=-269/101 8-9=-587/228
BOT CHORD 3-14=-732/320, 13-14=-339/699 12-13=-269/684, 6-12=-726/321
WEBS 1 16=-366/611 2-16=-629/406, 14-16=-160/272, 2-14=-174/489, 3-13=-504/1297 6-13=-562/1310 10-12=-97/269 7-12=-200/491 7 10=-588/252, 8-10=-217/579

NOTES (10-13)
1) Wind ASCE 7 10· Vult=130mph (3-second gust) Vasd=101mph; TCDL=4 2psf· BCDL=3.0psf· h=20ft; Cat. II, Exp C, Encl GCpi=0.18 MWFRS (envelope) 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) 17=390, 9=222.
7) 'Semi-rigid pitchbreaks including heels Member end fixity model was used in the analysis and design of this truss
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb down and 134 lb up at 1-9-11 and 64 lb down and 134 lb up at 3-9-11 on top chord and 17 lb up at 1-9-11 and 17 lb up at 3-9-11 on bottom chord The design/selection of such connection device(s) is the responsibility of others
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B)
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) 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
13) Use Simpson HTU26 to attach Truss to Carrying member



LOAD CASE(S) Standard
1) Regular· Lumber Increase=1 25 Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=-44, 15-17=-10, 13-14=-10 12-13=-10 9-11=-10
Concentrated Loads (lb)
Vert: 18=-30(F) 19=-30(F) 20=6(F) 21=6(F)

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T46G	Common Truss	1	1	I7822273
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 53:49 2014 Page 1

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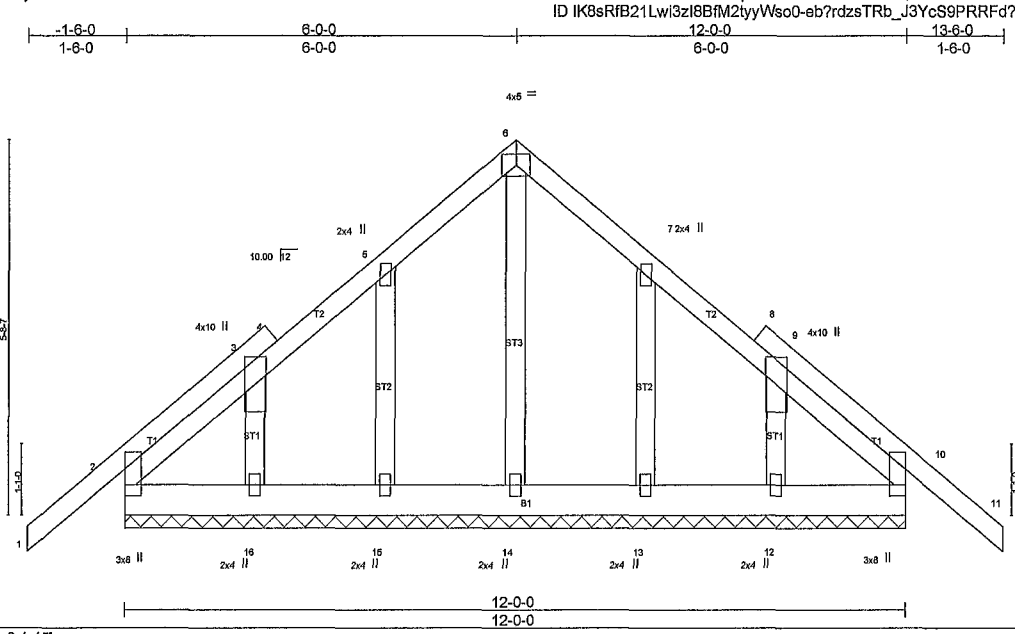

Plate Offsets (X,Y). [10:Edge,0-1-15]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	-0 01	11	n/r	120	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0 01	11	n/r	120		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 89 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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 12-0-0.
(lb) - Max Horz 2=-187(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 15=-140(LC 12), 16=-161(LC 12) 13=-140(LC 13), 12=-157(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; 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) Gable requires continuous bottom chord bearing.
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) 2 10 except (jt=lb) 15=140 16=161 13=140, 12=157
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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T47	SPECIAL TRUSS	2	1	I7822274

Job Reference (optional)

Builders FirstSource, Lake City FL 32055

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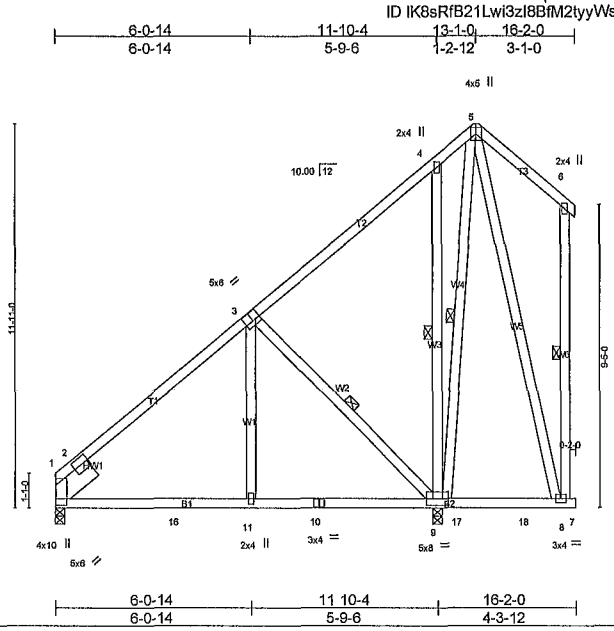


Plate Offsets (X,Y) [1 0-7 7,0-0-3], [3:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	0 13	11-14	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.39	Vert(TL)	0 11	11-14	>999	180		
BCLL	0 0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	-0 06	1	n/a	n/a		
BCDL	5 0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 144 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-9, 4-9, 5-9 6-8

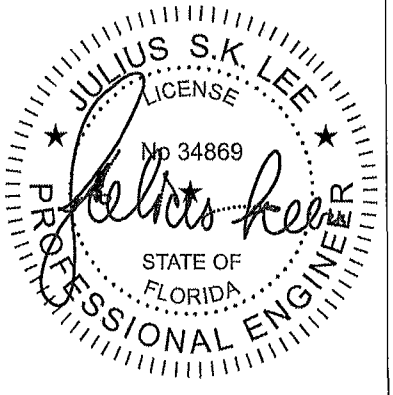
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=315/0-3-8 (min. 0-1-8) 9=678/0-3-8 (min. 0-1-8)
Max Horz 1=476(LC 12)
Max Uplift 1=-66(LC 9) 9=-525(LC 12)
Max Grav 1=359(LC 27) 9=837(LC 21)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-272/174, 2-3=-351/249
BOT CHORD 1-16=-500/426, 11 16=-482/339 10-11=-484/339, 9-10=-484/339
WEBS 3-11=-419/186, 3-9=-561/696, 4-9=-438/343

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=20ft; Cat. II Exp C, Encl GCpi=0 18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=525.
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



February 13,2014

Julius Lee PE,
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822275
550284	T47G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:52 2014 Page 1

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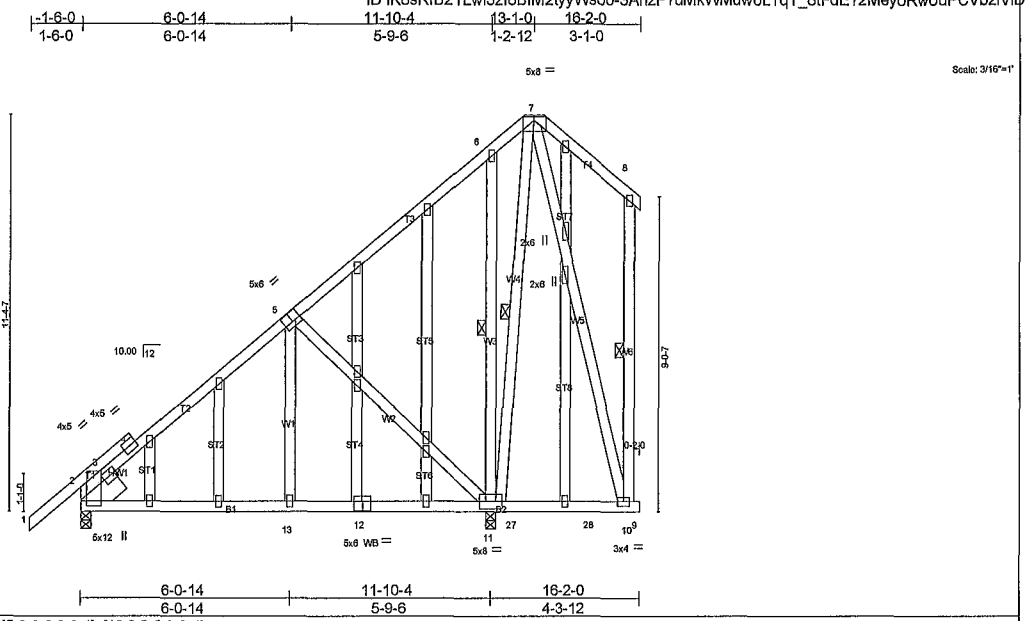

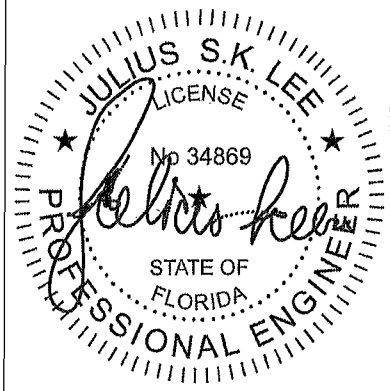

Plate Offsets (X,Y): [2:0-1 12,0-1 15], [2,0-10-15,0-2-5], [5,0-3-0,0-3-4], [12:0-3-0,0-0-4]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25	TC 0.46	Vert(LL)	-0 05	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25	BC 0.31	Vert(TL)	-0.07	2-13	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB 0.61	Horz(TL)	0 01	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007	(Matrix-M)						Weight: 191 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 1-3-2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing Except:
6-0-0 oc bracing 10-11
WEBS 1 Row at midpt 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=349/0-3-8 (min. 0-1-8) 11=639/0-3-8 (min 0-1-8)
Max Horz 2=511(LC 12)
Max Uplift2=-65(LC 12) 11=-485(LC 12)
Max Grav 2=454(LC 27), 11=783(LC 21)

FORCES *(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.*
TOP CHORD 2-3=-365/0, 3-4=-352/0, 4-5=-274/24
BOT CHORD 2-13=-251/321 12-13=-251/321 11-12=-251/321
WEBS 5-11=-511/345 6-11=-455/362

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=20ft; 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 with BCDL = 5.0psf
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) 2 except (jt=lb) 11=485.
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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822276
550284	T48	Special Truss	1	1	Job Reference (optional)	

Builders FirstSource Lake City FL 32055

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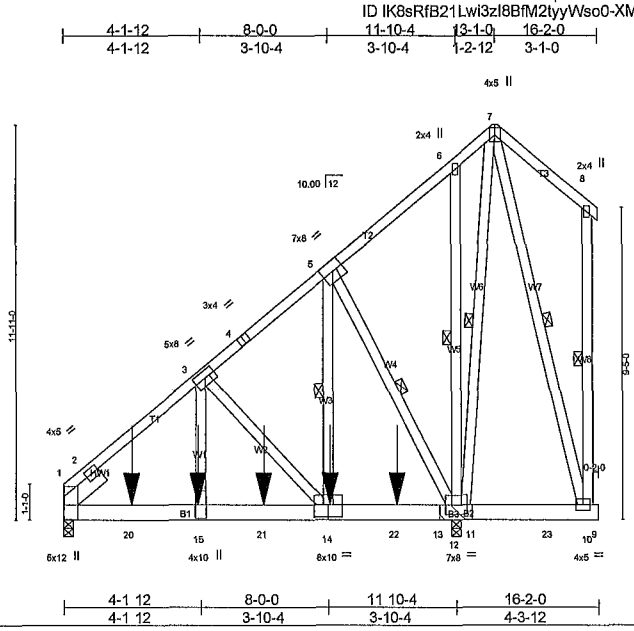

Plate Offsets (X,Y) [1 Edge,0-0-0], [14.0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0 08	14-15	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0 15	14-15	>922	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0 99	Horz(TL)	0.02	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight. 173 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
B1 2x6 SP SS
WEBS 2x4 SP No.3 *Except*
W3 2x4 SP No.2
SLIDER Left 2x6 SP No 2 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-3 oc purlins, except end verticals
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 5-12, 6-12 7 12, 8-10, 7 10

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

REACTIONS (lb/size) 1=2794/0-3-8 (min 0-3-5) 12=3301/(0-3-8 + bearing block) (req. 0-3-14)
Max Horz 1=327(LC 8)
Max Uplift 1=-882(LC 5) 12=-1230(LC 8)
Max Grav 1=2812(LC 19) 12=3301(LC 1)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 1 2=-2282/816 2-3=-2982/917 3-4=-1653/532 4-5=-1626/551
BOT CHORD 1-20=-925/2229 15-20=-925/2229 15-21=-925/2229 14-21=-925/2229, 14-22=-504/1249 13-22=-504/1249, 12-13=-504/1249
WEBS 3-15=-667/1794, 3-14=-1438/621 5-14=-1172/3183, 5-12=-2660/1059 7 12=-252/53

NOTES (11 13)
1) 2x6 SP No.2 bearing block 12' long at jt. 12 attached to front face with 3 rows of 10d (0.131 'x3") nails spaced 3' o.c. 12 Total fasteners. Bearing is assumed to be SP No.2
2) Unbalanced roof live loads have been considered for this design
3) Wind. ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4 2psf· BCDL=3.0psf· h=20ft; Cat. II Exp C, Encl. GCpi=0.18, MWFRS (envelope)· porch right exposed Lumber DOL=1 60 plate grip DOL=1.60
4) This truss has been designed for a 10 0 psf bottom chord live load nonconcurrent with any other live loads
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf
6) All bearings are assumed to be SP No 2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=882 12=1230.
8) Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1033 lb down and 360 lb up at 2-0-12 1033 lb down and 360 lb up at 4-0-12 1033 lb down and 360 lb up at 6-0-12, and 1033 lb down and 360 lb up at 8-0-12 and 1033 lb down and 360 lb up at 10-0-12 on bottom chord The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section loads applied to the face of the truss are noted as front (F) or back (B)
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note· Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer· Julius Lee, PE: Florida P E. License No. 34869: Address 1109 Coastal Bay Blvd. Boynton Beach FL 33435

LOAD CASE(S) Standard

Continued on page 2

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

February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES. I7822276
550284	T48	Special Truss	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-44, 7-8=-44, 11-16=-10, 11-23=-40, 9-23=-10
   Concentrated Loads (lb)
      Vert: 15=-1033(F) 14=-1033(F) 20=-1033(F) 21=-1033(F) 22=-1033(F)

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T49	Jack-Partial Truss	2	1	I7822277
					Job Reference (optional)

Builders FirstSource Lake City FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:54 2014 Page 1

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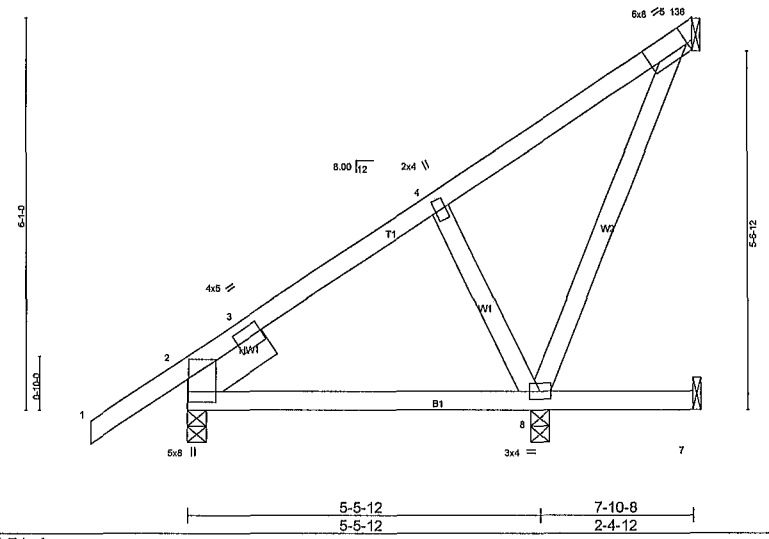
-1-6-0 3-11-4 7-10-8
1-6-0 3-11-4 3-11-4

Scale = 1:34.6



5-5-12 7-10-8
5-5-12 2-4-12

Plate Offsets (X,Y). [2:0-2-0,0-0-4], [5:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	0.06	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	0.06	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	-0.02	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 46 lb	FT = 20%

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

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

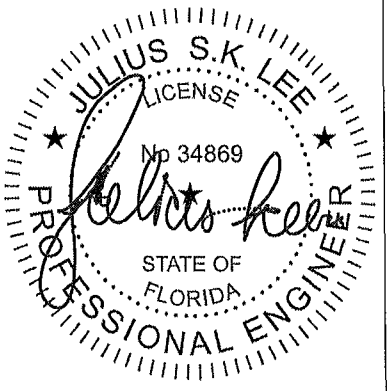
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 0-3-8 except (jt=length) 7=Mechanical, 5=Mechanical.
(lb) - Max Horz 2=210(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8 except 5=-141(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 7 8, 5 except 2=268(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-154/355
BOT CHORD 2-8=-273/198
WEBS 4-8=-338/296, 5-8=-372/182

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C, Encl GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 5=141
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



February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.	I7822278
550284	T50	Monopitch Truss	1	1	Job Reference (optional)	

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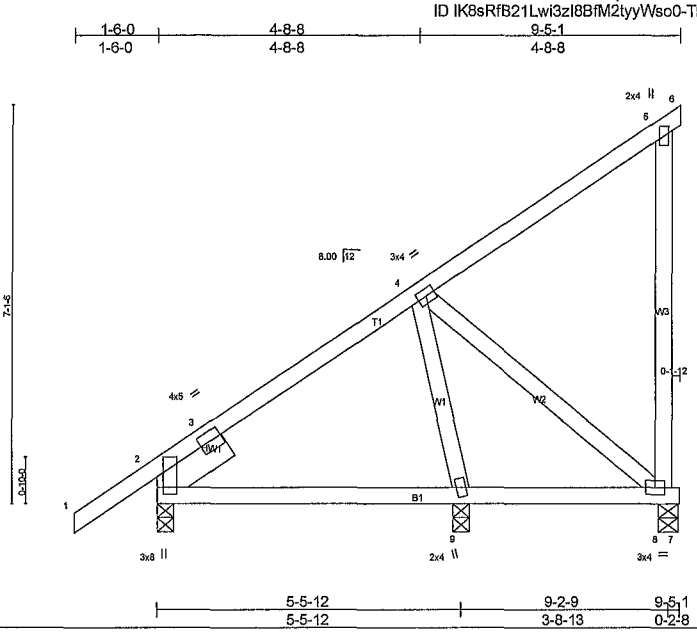


Plate Offsets (X,Y). [2:0-3-13,0-1-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.08	9-12	>778	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	0.08	9-12	>860	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	-0.02	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 60 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-8-5 oc bracing.

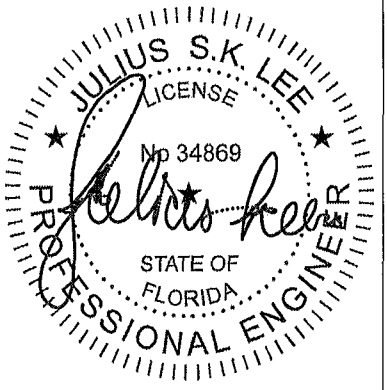
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=258/0-3-8 (min. 0-1-8) 9=150/0-3-8 (min. 0-1-8) 8=157/0-4-3 (min. 0-1-8)
Max Horz 2=244(LC 12)
Max Uplift2=-101(LC 9) 8=-190(LC 12)
Max Grav 2=309(LC 2) 9=179(LC 2) 8=207(LC 21)

FORCES (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-147/346
BOT CHORD 2-9=-365/324, 8-9=-411/266
WEBS 4-8=-336/527

NOTES (7-9)
1) Wind ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II Exp C Encl GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=101 8=190.
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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T51	Monopitch Truss	1	1	I7822279
					Job Reference (optional)

Builders FirstSource Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15 53:56 2014 Page 1

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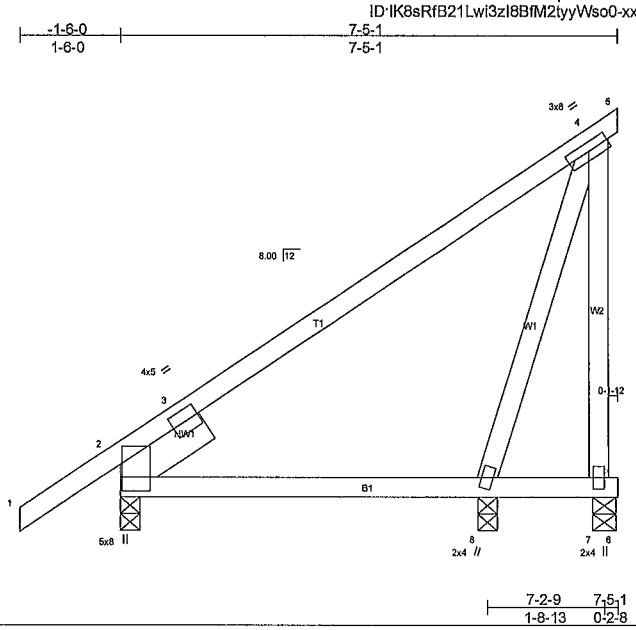

Plate Offsets (X,Y): [2:0-4-13,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	0.15	8-11	>429	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.84	Vert(TL)	0.13	8-11	>491	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	-0 06	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 46 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7 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) 7=331/0-4-3 (min. 0-1-8) 2=308/0-3-8 (min. 0-1-8), 8=-181/0-3-8 (min 0-1-8)
Max Horz 2=197(LC 12)
Max Uplift 7=-374(LC 12) 2=-127(LC 9), 8=-300(LC 21)
Max Grav 7=450(LC 21) 2=371(LC 2) 8=303(LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown
TOP CHORD 2-3=-295/579, 3-4=-309/219, 4-7=-797/861
BOT CHORD 2-8=-504/549
WEBS 4-8=-854/720

NOTES (7-9)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft, Cat. II Exp C, Encl. GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone porch left exposed;C-C for members and forces & MWFRS for reactions shown Lumber DOL=1 60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=374 2=127 8=300.
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

February 13,2014

Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T52	Monopitch Truss	1	1	I7822280
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055 — 7 350 s Sep 27 2012 MiTek Industries, Inc. Thu Feb 13 15:53:57 2014 Page 1

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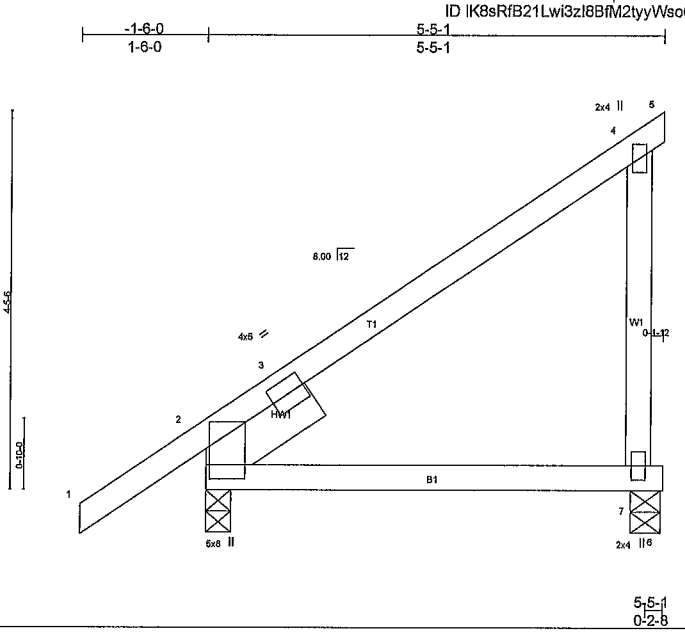


Plate Offsets (X,Y). [2 0-2-0,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0 16	7 10	>373	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0.45	Vert(TL)	0 15	7 10	>424	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 06	Horz(TL)	-0 05	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 30 lb	FT = 20%

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

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

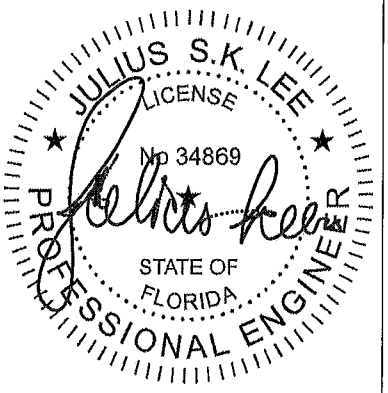
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=214/0-3-8 (min. 0-1-8), 7=136/0-4-3 (min. 0-1-8)
Max Horz 2=151(LC 12)
Max Uplift 2=-62(LC 9) 7=-124(LC 9)
Max Grav 2=257(LC 2) 7=159(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-182/293
BOT CHORD 2-7=-205/278

NOTES (7-9)
1) Wind: ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4 2psf; BCDL=3.0psf; h=20ft, 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
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) 2 except (jt=lb) 7=124.
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



February 13,2014

Julius Lee PE
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	SIMQUE RES.
550284	T53	Monopitch Truss	1	1	I7822281
					Job Reference (optional)

Builders FirstSource, Lake City FL 32055

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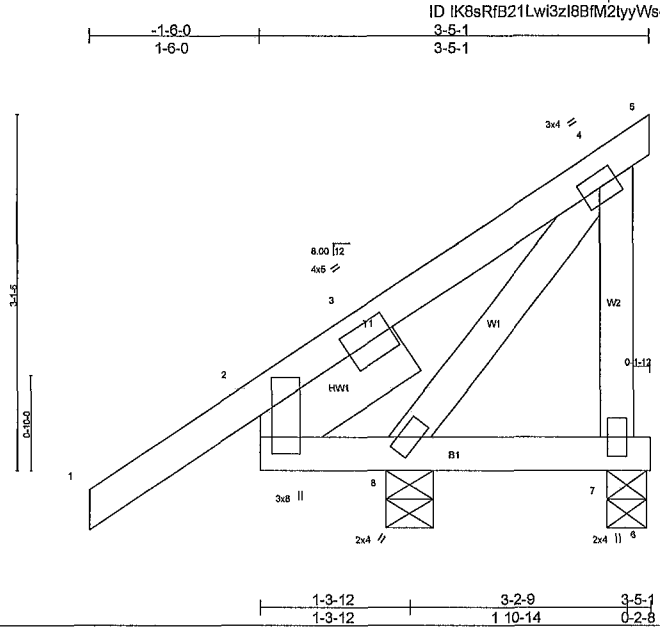


Plate Offsets (X,Y) [2 0-4-1,0-1-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0 19	Vert(LL)	0 00	7-8	>999	240	MT20	244/190
TCDL	7 0	Lumber Increase	1.25	BC	0 13	Vert(TL)	0 00	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0 05	Horz(TL)	0 00		n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 25 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-1 oc purlins, except end verticals
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) 7=-27/0-4-3 (min. 0-1-8), 8=269/0-4-15 (min 0-1-8)
Max Horz 8=105(LC 12)
Max Uplift 7=-62(LC 9), 8=-43(LC 12)
Max Grav 7=19(LC 3) 8=325(LC 2)

FORCES (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-284/354

NOTES (9-11)
1) Wind ASCE 7 10; Vult=130mph (3-second gust) Vasd=101mph TCDL=4.2psf· BCDL=3.0psf; h=20ft; 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
2) Truss designed for wind loads in the plane of the truss only For studs exposed to wind (normal to the face) see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1
3) Gable studs spaced at 2-0-0 oc.
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) 7 8
8) 'Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code
10) Note. Visually graded lumber designation SPp, represents new lumber design values as per 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

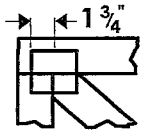
February 13,2014

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

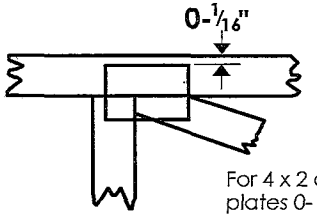
Julius Lee PE.
1109 Coastal Bay
Boynton Beach FL 33435

Symbols

PLATE LOCATION AND ORIENTATION



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



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

This symbol indicates the required direction of slots in connector plates

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

PLATE SIZE

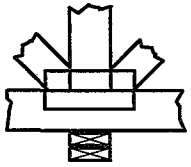
4 X 4

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

LATERAL BRACING LOCATION

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

BEARING

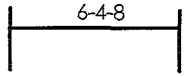


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

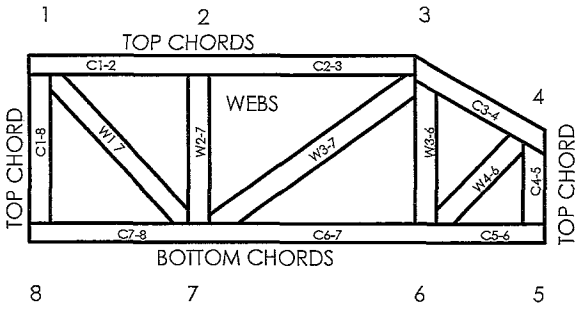
Industry Standards:

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

Numbering System



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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports.

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1 Additional stability bracing for truss system, e.g diagonal or X-bracing is always required See BCSI1

2. Truss bracing must be designed by an engineer For wide truss spacing individual lateral braces themselves may require bracing or alternative T I, or Eliminator bracing should be considered

3. Never exceed the design loading shown and never stack materials on inadequately braced trusses

4. Provide copies of this truss design to the building designer erection supervisor, property owner and all other interested parties.

5 Cut members to bear tightly against each other

6. Place plates on each face of truss at each joint and embed fully Knots and wane at joint locations are regulated by ANSI/TPI 1

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

8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication

9 Unless expressly noted this design is not applicable for use with fire retardant preservative treated, or green lumber

10. Camber is a non-structural consideration and is the responsibility of truss fabricator General practice is to camber for dead load deflection

11 Plate type size orientation and location dimensions indicated are minimum plating requirements

12. Lumber used shall be of the species and size and in all respects, equal to or better than that specified

13. Top chords must be sheathed or purlins provided at spacing indicated on design

14. Bottom chords require lateral bracing at 10 ft spacing or less if no ceiling is installed, unless otherwise noted

15 Connections not shown are the responsibility of others.

16. Do not cut or alter truss member or plate without prior approval of an engineer

17 Install and load vertically unless indicated otherwise

18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use

19 Review all portions of this design (front, back, words and pictures) before use Reviewing pictures alone is not sufficient

20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria

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

MiTek Industries, Inc.

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

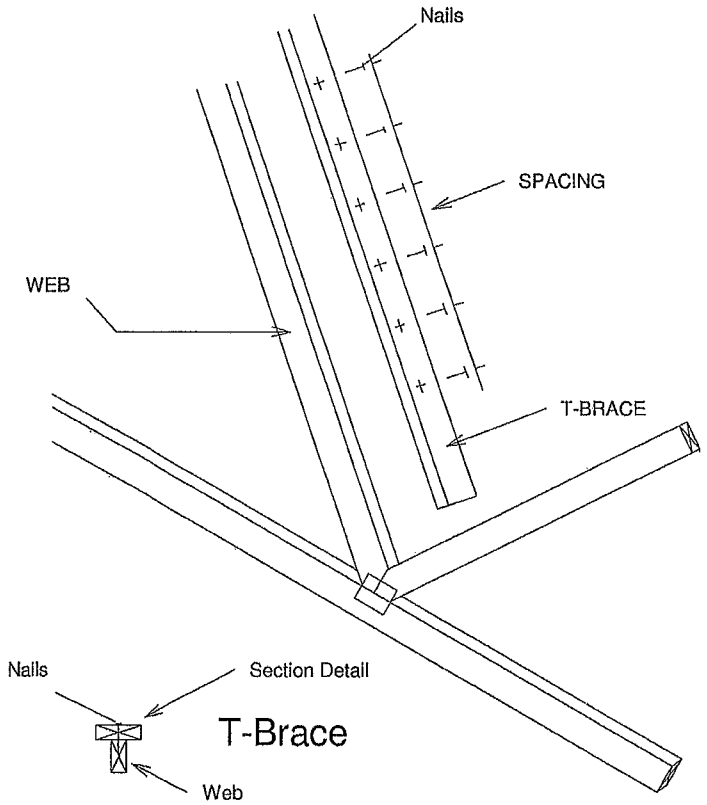
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

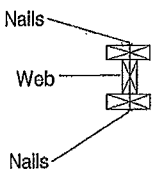
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

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

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

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





I-Brace

1109 COASTAL BAY
BOYNTON BC, FL 33435

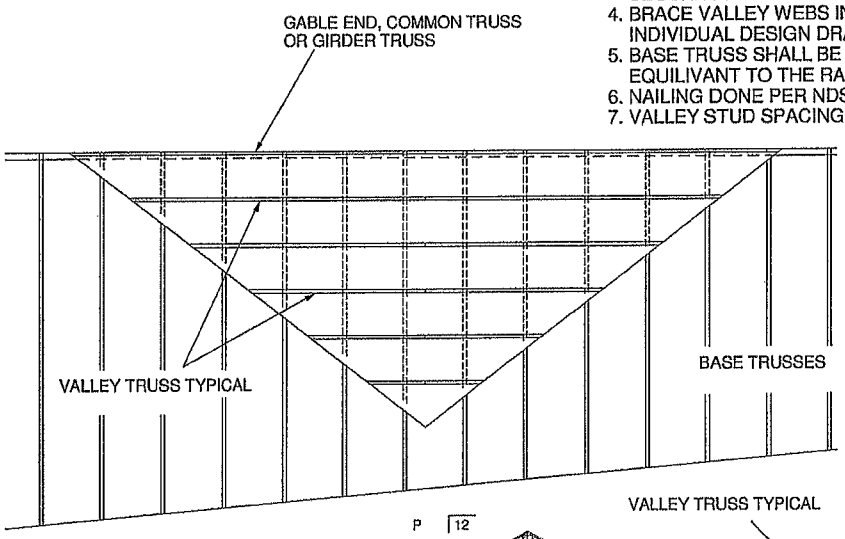
FEBRUARY 14, 2012	TRUSSED VALLEY SET DETAIL	ST-VALLEY HIGH WIND1

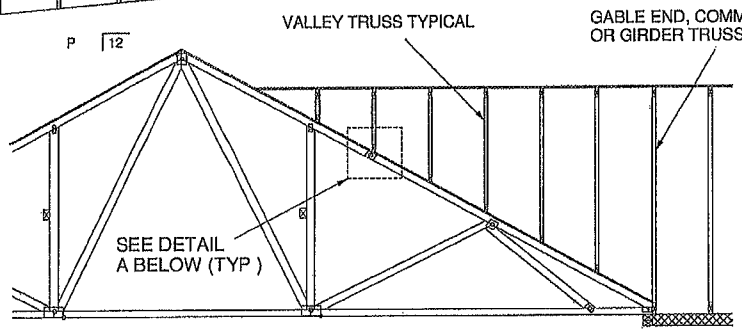
MiTek Industries, Chesterfield, MO

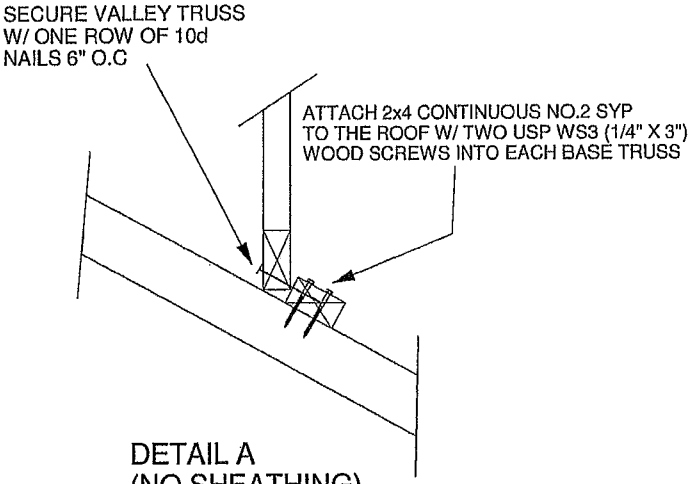
MiTek Industries, Inc.

GENERAL SPECIFICATIONS

1. NAIL SIZE = 3" X 0 131" = 10d
2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT
   DO NOT USE DRYWALL OR DECKING TYPE SCREW
3. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND
   SECURE PER DETAIL A
4. BRACE VALLEY WEBS IN ACCORDANCE WITH THE
   INDIVIDUAL DESIGN DRAWINGS.
5. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING
   EQUILIVANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
6. NAILING DONE PER NDS - 01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.







DETAIL A
(NO SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE . 1 60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES

JULIUS S.K. LEE
LICENSE
No 34869
3/29/12
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

1109 COASTAL BAY
BOYNTON BC,FL 33435

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

MiTek Industries, Chesterfield, MO Page 1 of 1

MiTek Industries, Inc.

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

	TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)					
	DIAM.	SYP	DF	HF	SPF	SPF-S
3.5" LONG	131	88.0	80 6	69 9	68 4	59.7
	135	93.5	85.6	74.2	72.6	63.4
	162	108 8	99.6	86.4	84.5	73 8
3.25" LONG	128	74.2	67.9	58.9	57 6	50 3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

SIDE VIEW

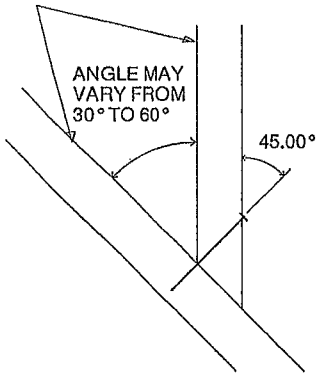
3 NAILS

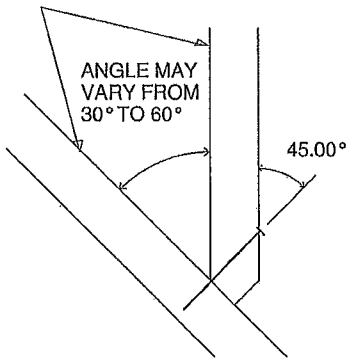
NEAR SIDE
NEAR SIDE
NEAR SIDE

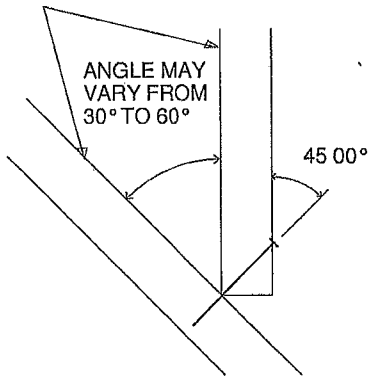
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED

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

For load duration increase of 1.15·
3 (nails) X 84 5 (lb/nail) X 1 15 (DOL) = 291.5 lb Maximum Capacity







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No 34869
6/22/11
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

1109 COASTAL BAY
BOYNTON BC, FL 33435

FEBRUARY 8, 2008	LATERAL BRACING RECOMMENDATIONS	ST-STRGBCK

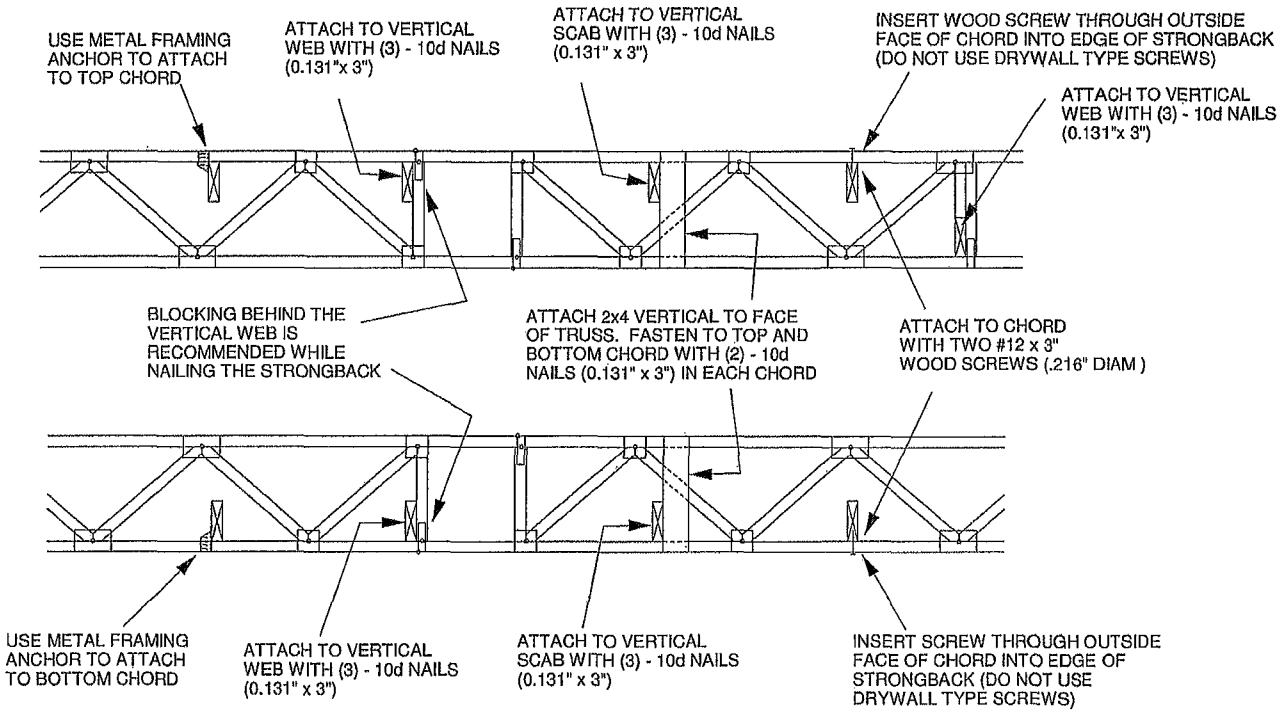
MiTek Industries, Inc.

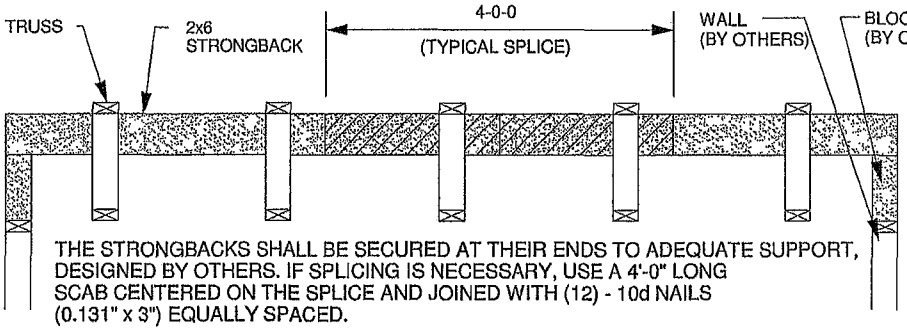
MiTek Industries, Chesterfield, MO

TO MINIMIZE VIBRATION COMMON TO ALL SHALLOW FRAMING SYSTEMS, 2x6 "STRONGBACK" IS RECOMMENDED, LOCATED EVERY 8 TO 10 FEET ALONG A FLOOR TRUSS.

NOTE 1: 2X6 STRONGBACK ORIENTED VERTICALLY MAY BE POSITIONED DIRECTLY UNDER THE TOP CHORD OR DIRECTLY ABOVE THE BOTTOM CHORD. SECURELY FASTENED TO THE TRUSS USING ANY OF THE METHODS ILLUSTRATED BELOW.

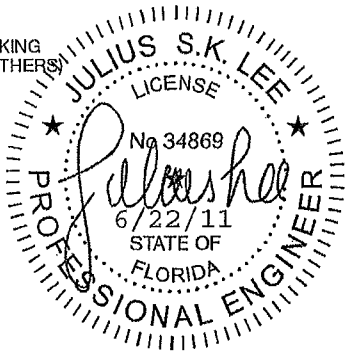
NOTE 2: STRONGBACK BRACING ALSO SATISFIES THE LATERAL BRACING REQUIREMENTS FOR THE BOTTOM CHORD OF THE TRUSS WHEN IT IS PLACED ON TOP OF THE BOTTOM CHORD, IS CONTINUOUS FROM END TO END, CONNECTED WITH A METHOD OTHER THAN METAL FRAMING ANCHOR, AND PROPERLY CONNECTED, BY OTHERS, AT THE ENDS.





THE STRONGBACKS SHALL BE SECURED AT THEIR ENDS TO ADEQUATE SUPPORT, DESIGNED BY OTHERS. IF SPLICING IS NECESSARY, USE A 4'-0" LONG SCAB CENTERED ON THE SPLICE AND JOINED WITH (12) - 10d NAILS (0.131" x 3") EQUALLY SPACED.

ALTERNATE METHOD OF SPLICING:
OVERLAP STRONGBACK MEMBERS A MINIMUM OF 4'-0" AND FASTEN WITH (12) - 10d NAILS (0.131" x 3") STAGGERED AND EQUALLY SPACED.
(TO BE USED ONLY WHEN STRONGBACK IS NOT ALIGNED WITH A VERTICAL)



1109 COASTAL BAY
BOYNTON BC, FL 33435

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

MiTek Industries, Chesterfield, MO

MiTek Industries, Inc.

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

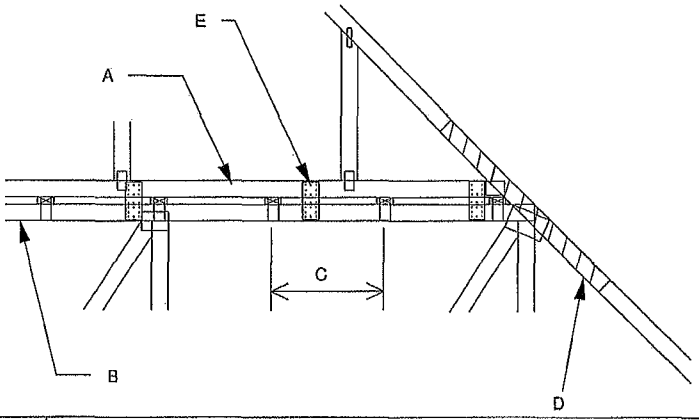
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131 X 3.5" TOE NAILED

B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING

C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) 0.131 X 3.5" NAILS EACH

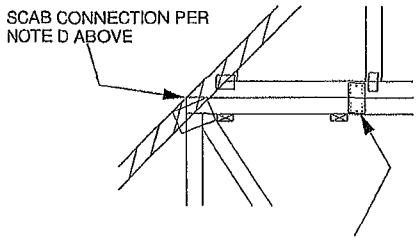
D - 2 X__ X 4'-0" SCAB, SIZE AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF 0.131" X 3" NAILS @ 4 O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

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

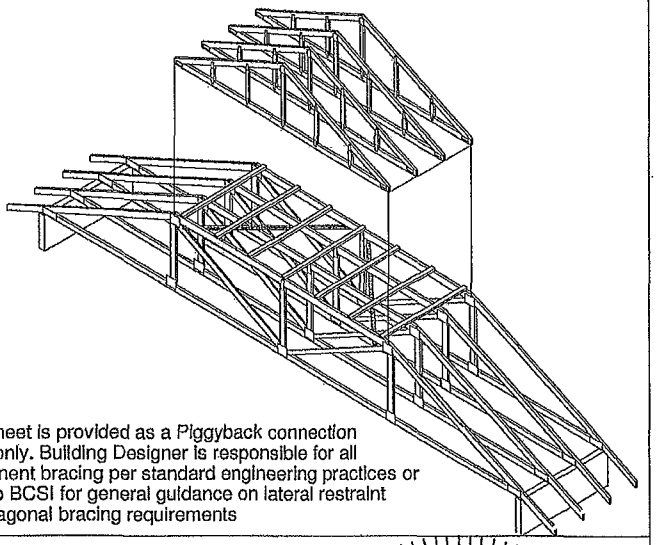


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS

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

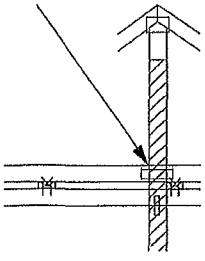


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O C. W/ (4) 0 131" X 1 5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0 5 EDGE DISTANCE.



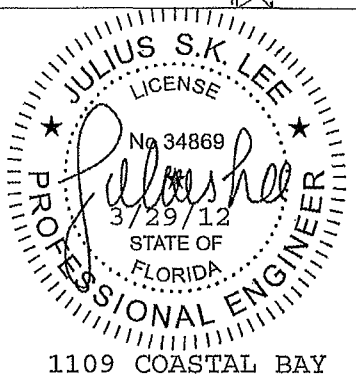
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



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

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



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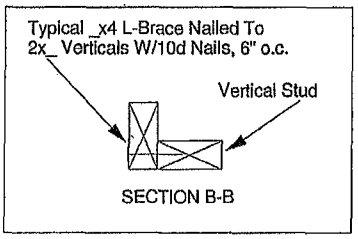
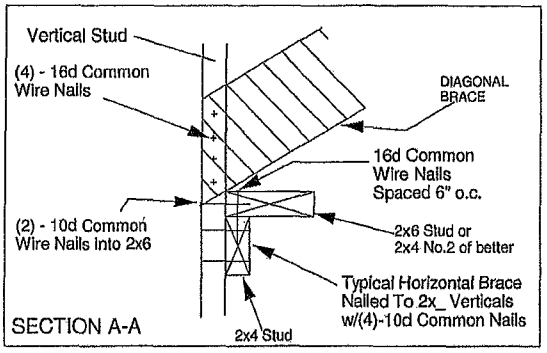
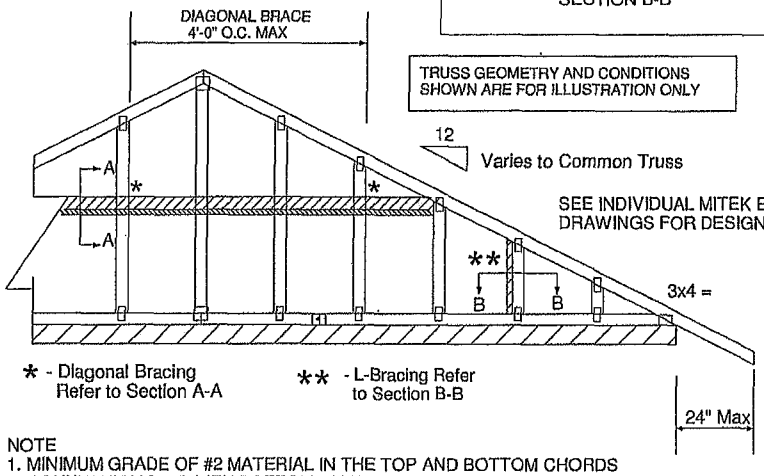
FEBRUARY 14, 2012	Standard Gable End Detail	ST-GE130-001

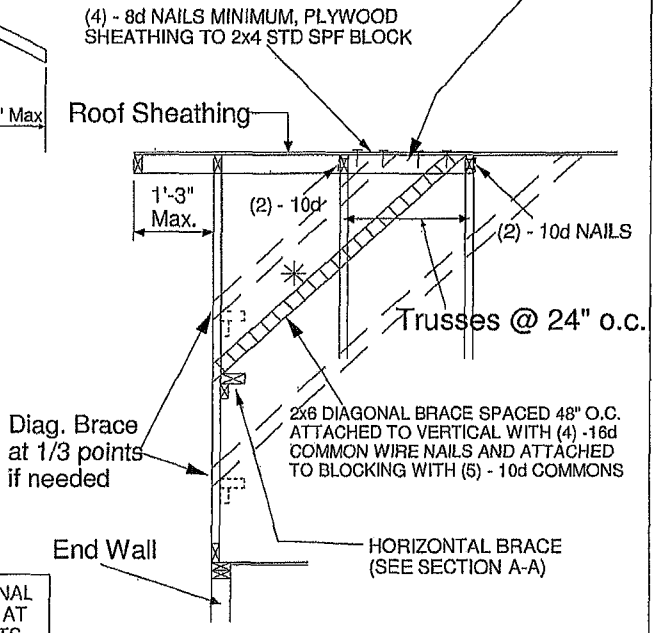
MiTek Industries, Inc.







PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d COMMON WIRE NAILS.



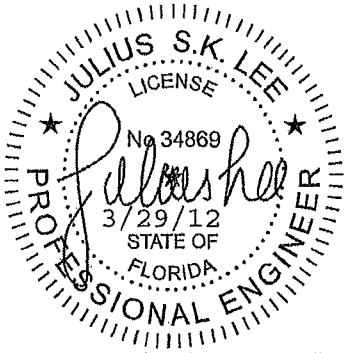
NOTE
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH GRADES. 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SPF Std/Stud	12" O C.	4-0-7	4-3-2	6-0-4	8-0-15	12-1-6
2x4 SPF Std/Stud	16" O C.	3-7-0	3-8-4	5-2-10	7-1-15	10-8-15
2x4 SPF Std/Stud	24" O C.	2-11-1	3-0-2	4-3-2	5-10-3	8-9-4

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d common wire nails 8in o.c., with 3in minimum end distance Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS



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FEBRUARY 14, 2012	Standard Gable End Detail	SHEET 2

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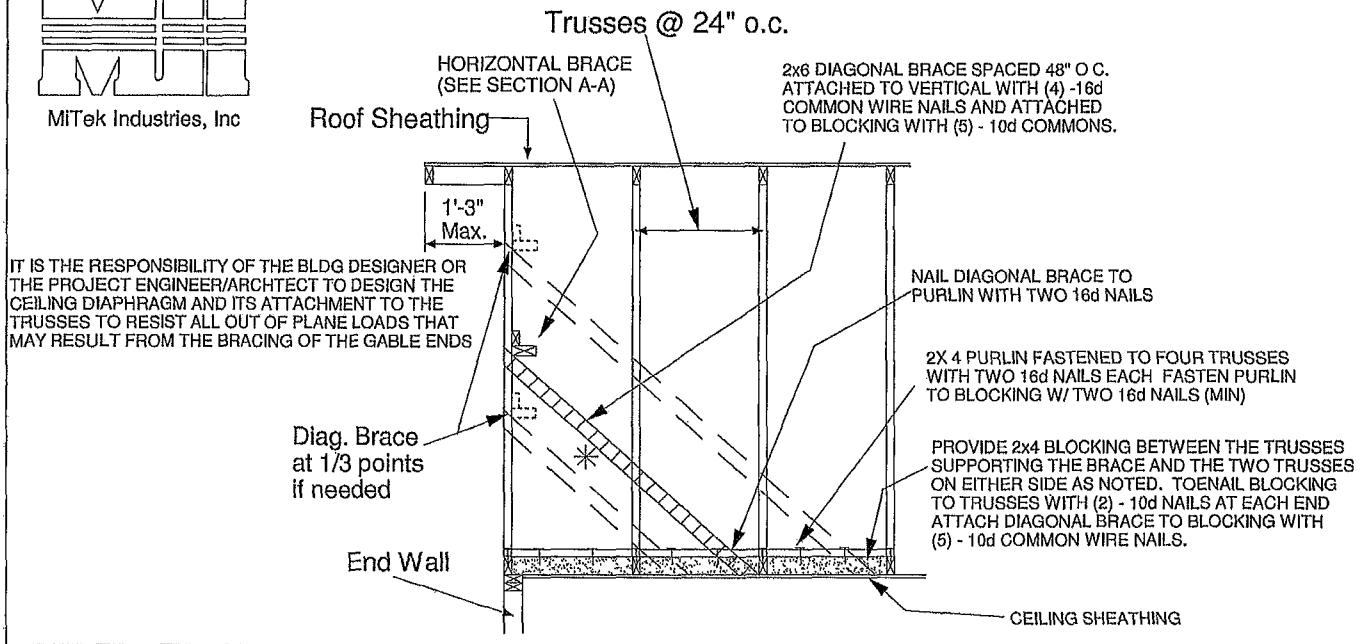
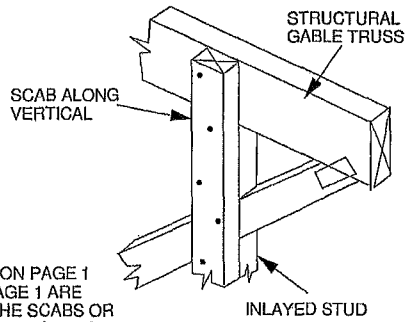
ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



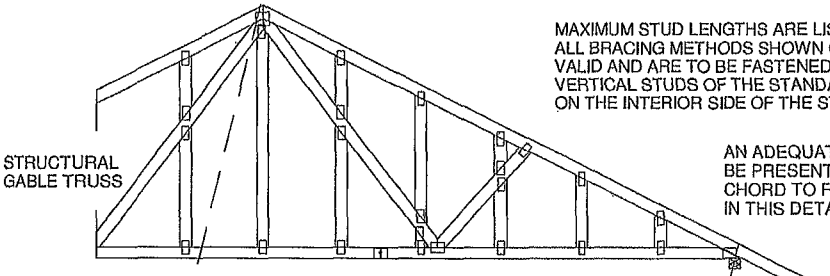
BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED.
METHOD 1 - ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE.
METHOD 2 - ATTACH 2X_ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

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

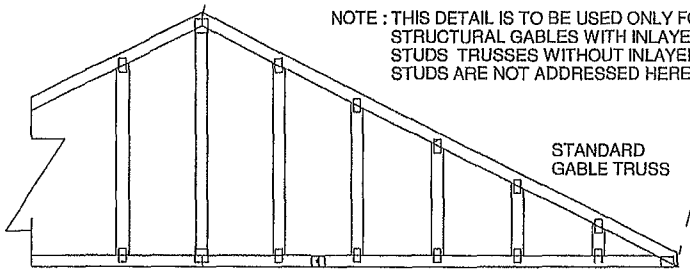


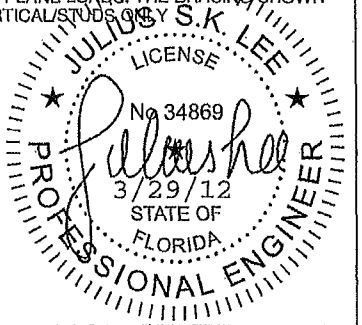
MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1 ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



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

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





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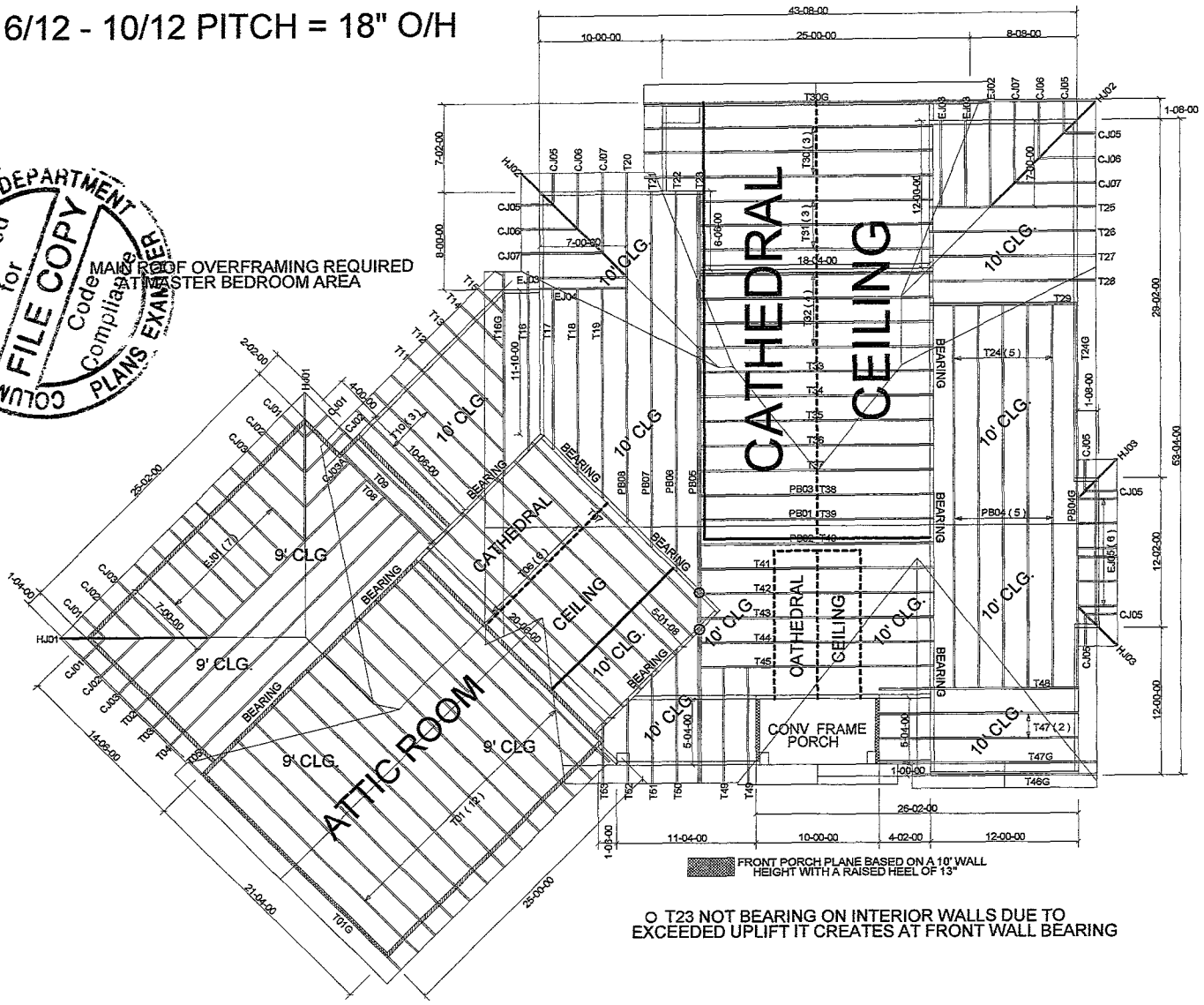
4/12 - 6/12 - 10/12 PITCH = 18" O/H



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

BEARING HEIGHT SCHEDULE

- 9' 1-1/8
- 10' 1 1/8"

NOTES

1) REFER TO HB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP
7) BEAM/HEADER/LINTEL (NOR) TO BE FURNISHED BY BUILDER.

Builders FirstSource

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

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

Freeport
PHONE: 850-835-454 FAX: 850-835-6835

BUILDER: SIMQUE RES.

MODEL: CUSTOM

DATE: 2-6-14 DESIGNER: KLH Original Reference #: 550284

MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYERHAUSER PRODUCT #'s 1630.2 - 1630.10