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

JULIUS LEE PE.

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

RE: 472685 - BLAKE - 725 NW Country Lakes Dr.

Site Information:
Project Customer: BLAKE CONST. Project Name: 472685 Model: SPEC HSE
Lot/Block: Subdivision:
Address: 725 NW Country Lake Drive
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: BLAKE N. LUNDE II License #: RR0067618
Address: 2250 SW JAGUAR DR
City: LAKE CITY, State: FL

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

This package includes 42 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

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

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I6464776	PB01	3/5/013	18	I6464793	T06	3/5/013
2	I6464777	PB01G	3/5/013	19	I6464794	T06G	3/5/013
3	I6464778	PB02	3/5/013	20	I6464795	T07	3/5/013
4	I6464779	PB03	3/5/013	21	I6464796	T08	3/5/013
5	I6464780	PB03G	3/5/013	22	I6464797	T09	3/5/013
6	I6464781	PB04	3/5/013	23	I6464798	T10	3/5/013
7	I6464782	PB04G	3/5/013	24	I6464799	T11	3/5/013
8	I6464783	PB05	3/5/013	25	I6464800	T12	3/5/013
9	I6464784	PB05G	3/5/013	26	I6464801	T13	3/5/013
10	I6464785	PB06	3/5/013	27	I6464802	T14	3/5/013
11	I6464786	T01G	3/5/013	28	I6464803	T14G	3/5/013
12	I6464787	T02	3/5/013	29	I6464804	T15	3/5/013
13	I6464788	T02G	3/5/013	30	I6464805	T15G	3/5/013
14	I6464789	T03	3/5/013	31	I6464806	T16	3/5/013
15	I6464790	T04	3/5/013	32	I6464807	T16G	3/5/013
16	I6464791	T05	3/5/013	33	I6464808	T17	3/5/013
17	I6464792	T05G	3/5/013	34	I6464809	T18	3/5/013

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Jax).

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2015.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.

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

March 5,2013

Julius Lee

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	PB01	PIGGYBACK	17	1	I6464776
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:45:15 2013 Page 1

ID:WJWCI27GPedpZVXfOiCvSzzoqnf-cs9Q53LxwK6VO87GHaNOuXw19xQniTly9YWXVvze?xo

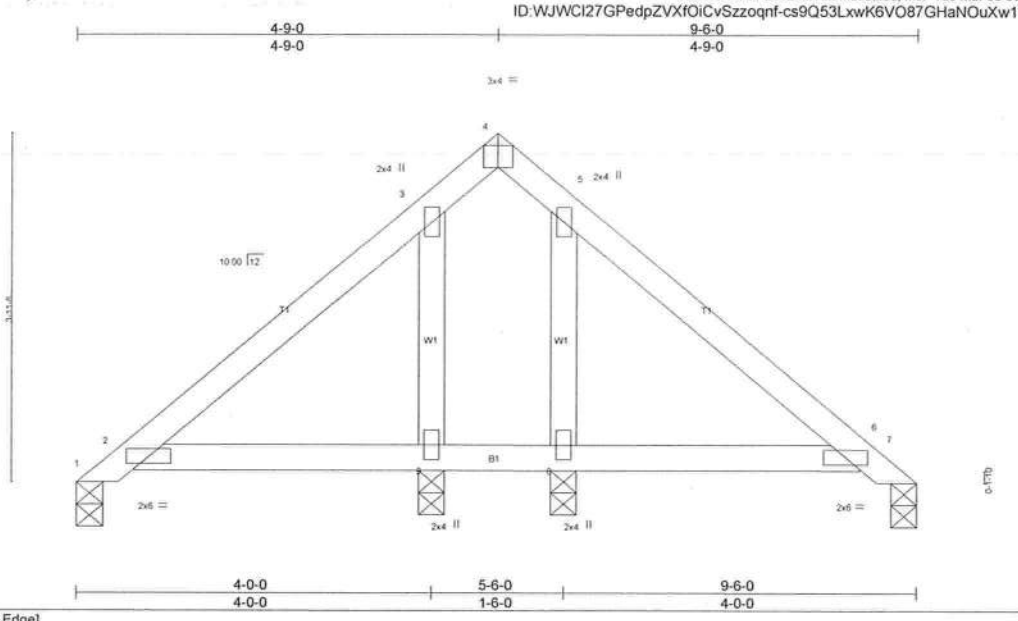

Plate Offsets (X,Y): [4:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	9-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 38 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 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 All bearings 0-3-8.
(lb) - Max Horz 1=-122(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 9=-208(LC 12), 8=-185(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 9=289(LC 21), 8=261(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-9=-276/425, 6-8=-217/418
WEBS 3-9=-289/197, 5-8=-288/186

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 9=208, 8=185.
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

March 5,2013

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

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	PB02	PIGGYBACK	2	1	I6464778
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:45:18 2013 Page 1

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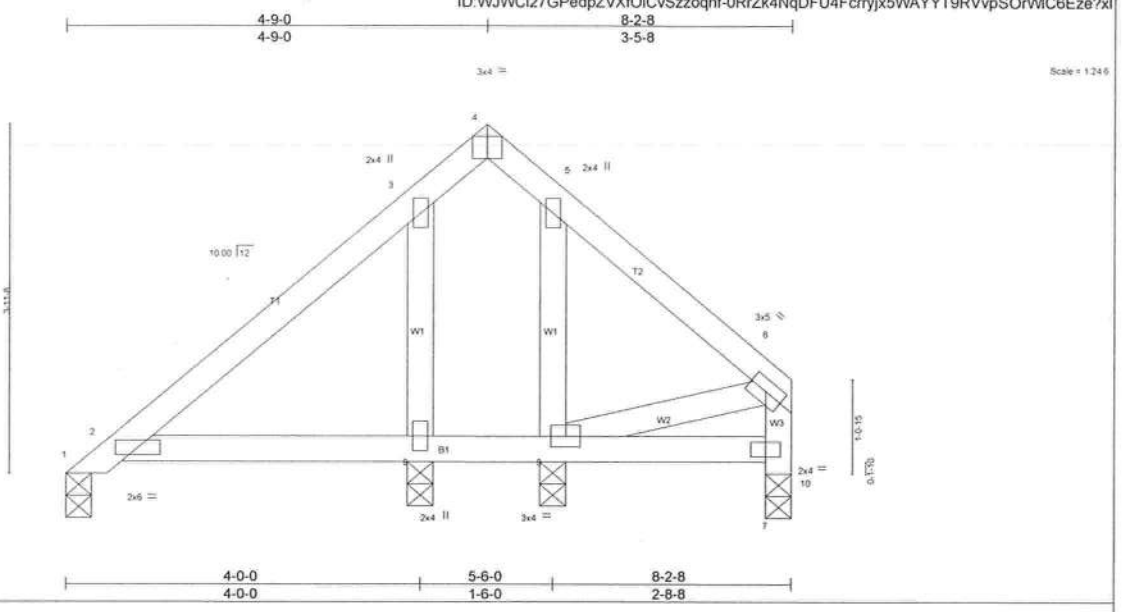

Plate Offsets (X,Y): [4:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	9-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	9-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 40 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 All bearings 0-3-8.
(lb) - Max Horz 1=118(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 10 except 9=-222(LC 12), 8=-169(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 8, 10 except 9=289(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-9=-307/497
WEBS 3-9=-286/204

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 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) 10 except (jt=lb) 9=222, 8=169.
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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	PB03G	PIGGYBACK	1	1	I6464780
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:45:21 2013 Page 1

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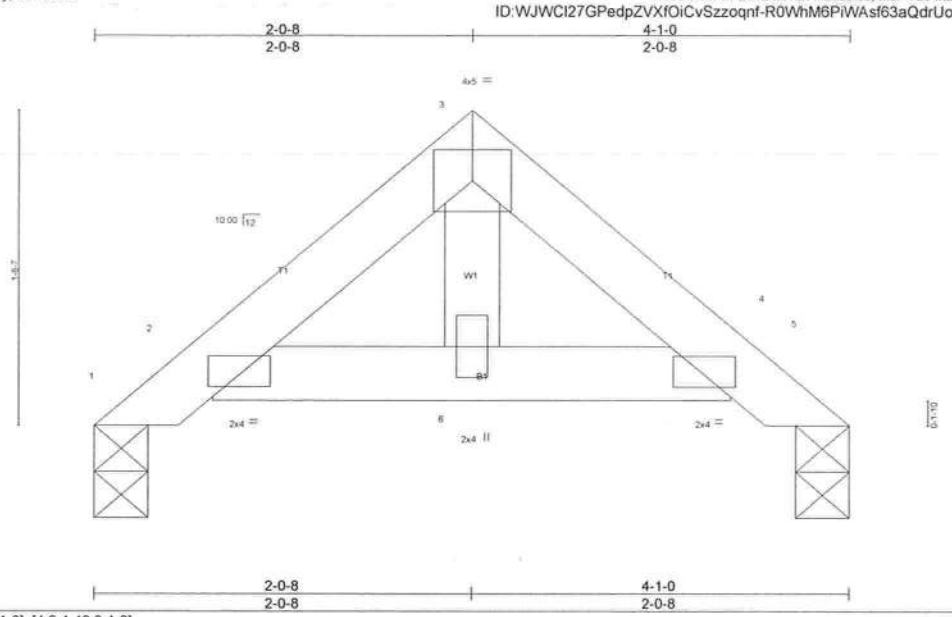

Plate Offsets (X,Y): [2:0-1-12,0-1-0], [4:0-1-12,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.00	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.00	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 13 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 1=107/0-3-8 (min. 0-2-13), 5=104/0-3-8 (min. 0-2-13)
Max Horz 1=-50(LC 8)
Max Uplift 1=-48(LC 12), 5=-50(LC 13)
Max Grav 1=126(LC 2), 5=123(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-6=-114/262, 4-6=-116/259

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 5 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) 1, 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

March 5,201

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

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	PB04G	PIGGYBACK	2	1	I6464782
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:45:23 2013 Page 1

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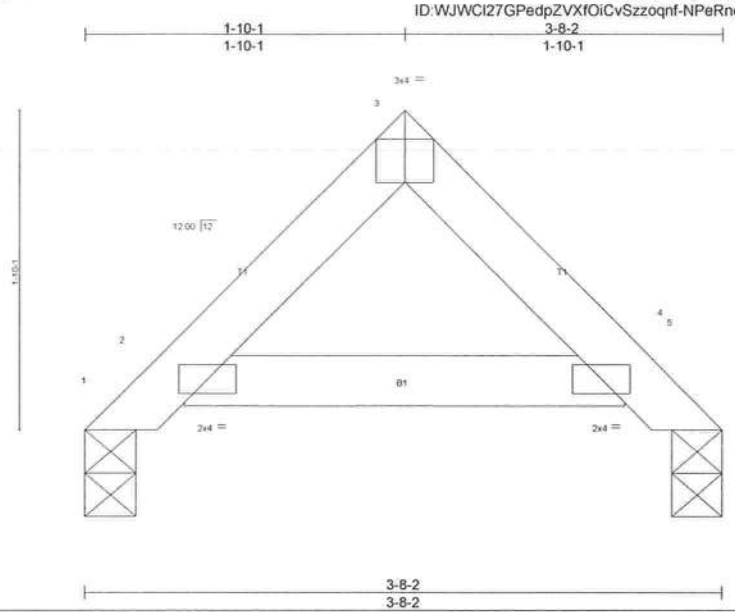

Plate Offsets (X,Y): [3:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	8-11	>999	180		
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-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 3-8-2 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=96/0-3-8 (min. 0-2-6), 5=94/0-3-8 (min. 0-2-6)
Max Horz 1=-54(LC 8)
Max Uplift 1=-40(LC 12), 5=-42(LC 13)
Max Grav 1=113(LC 2), 5=111(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-11=-128/270, 4-8=-129/267

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 5 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) 1, 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

March 5,2013

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	PB05G	PIGGYBACK	1	1	I6464784
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:45:26 2013 Page 1

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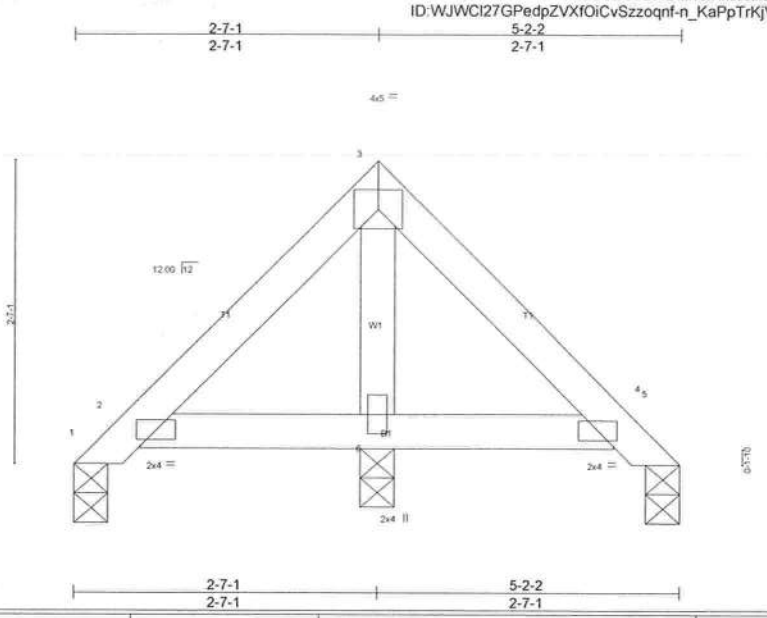

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	0.00	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.00	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 19 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 1=45/0-3-8 (min. 0-2-1), 5=42/0-3-8 (min. 0-1-15), 6=183/0-3-8 (min. 0-1-8)
Max Horz 1=-78(LC 8)
Max Uplift 1=-23(LC 13), 5=-32(LC 13), 6=-112(LC 12)
Max Grav 1=65(LC 27), 5=62(LC 28), 6=217(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; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 5 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) 1, 5 except (jt=lb) 6=112.
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

March 5,2013

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

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T01G	GABLE	1	1	I6464786
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:45:30 2013 Page 1

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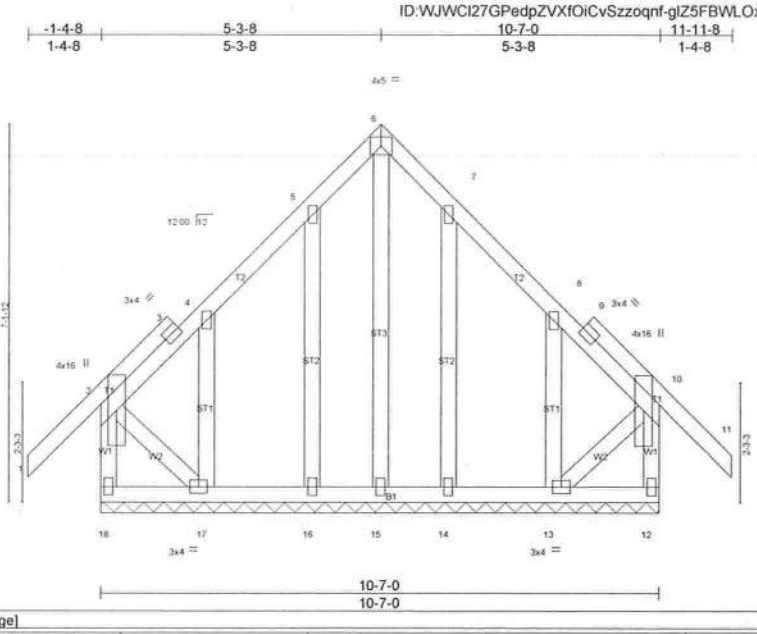

Plate Offsets (X,Y): [2:0-8-0,Edge], [10:0-8-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	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	0.15	Horz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix)							Weight: 96 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 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 All bearings 10-7-0.
(lb) - Max Horz 18=-169(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 18=-121(LC 10), 13=-307(LC 13), 14=-137(LC 13), 17=-316(LC 12), 16=-139(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 18, 12, 15, 13, 14, 17, 16

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-17=-180/261, 10-13=-172/252

NOTES (13-15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 12 except (jt=lb) 18=121, 13=307, 14=137, 17=316, 16=139.
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

LOAD CASE(S) Standard

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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T02G	GABLE	1	1	I6464788
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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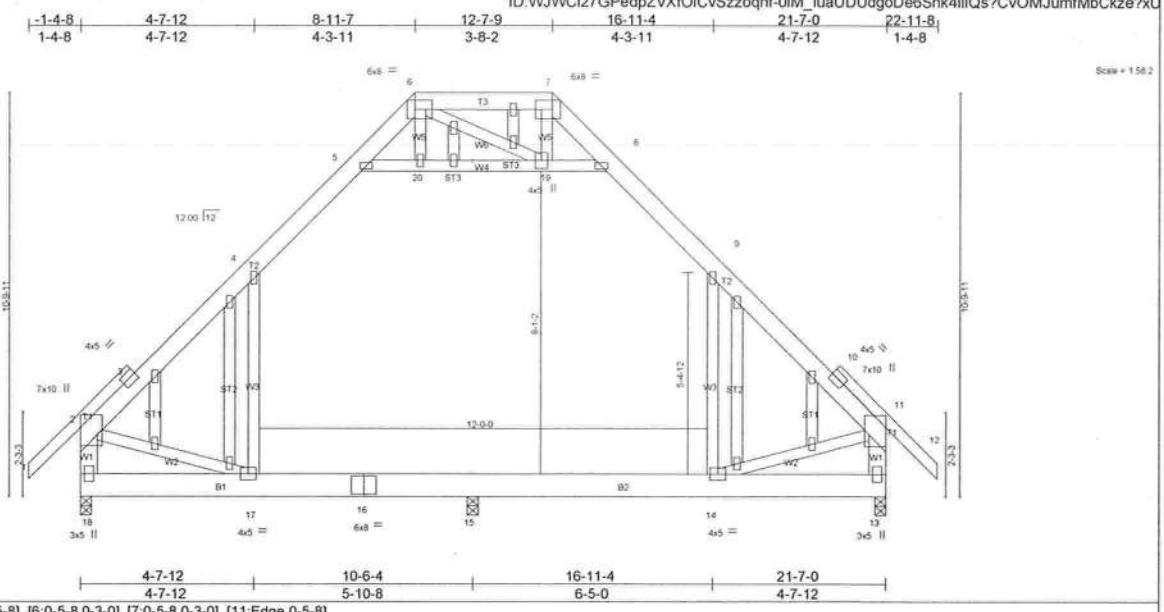

Plate Offsets (X,Y): [2:Edge,0-5-8], [6:0-5-8,0-3-0], [7:0-5-8,0-3-0], [11:Edge,0-5-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.10	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.13	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(TL)	0.01	13	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007		(Matrix-M)	Attic	-0.06	14-15	2566	360	Weight: 223 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SYP No.2 *Except*
T1: 2x4 SP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W1: 2x6 SYP No.2
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) 18=1035/0-3-8 (min. 0-1-9), 13=1058/0-3-8 (min. 0-1-10), 15=895/0-3-8 (min. 0-1-8)
Max Horz 18=362(LC 9)
Max Uplift 18=-210(LC 12), 13=-218(LC 13)
Max Grav 18=1035(LC 1), 13=1058(LC 1), 15=1016(LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1028/172, 3-4=-897/182, 4-5=-927/332, 5-6=-275/134, 7-8=-267/127, 8-9=-924/331, 9-10=-900/179, 10-11=-1034/166, 2-18=-1181/313, 11-13=-1184/312
BOT CHORD 17-18=-406/495, 16-17=-142/617, 15-16=-142/617, 14-15=-142/617, 13-14=-133/325
WEBS 5-20=-745/339, 19-20=-741/340, 8-19=-750/344, 2-17=-220/537, 11-14=-220/507

NOTES (16-18)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
9) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-20, 19-20, 8-19; Wall dead load (5.0psf) on member(s).4-17, 9-14
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17, 14-15
11) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=210, 13=218.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Attic room checked for L/360 deflection.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
16) 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.
17) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
18) 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

LOAD CASE(S) Standard

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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T03	PIGGYBACK ATTIC	3	1	I6464789
					Job Reference (optional)

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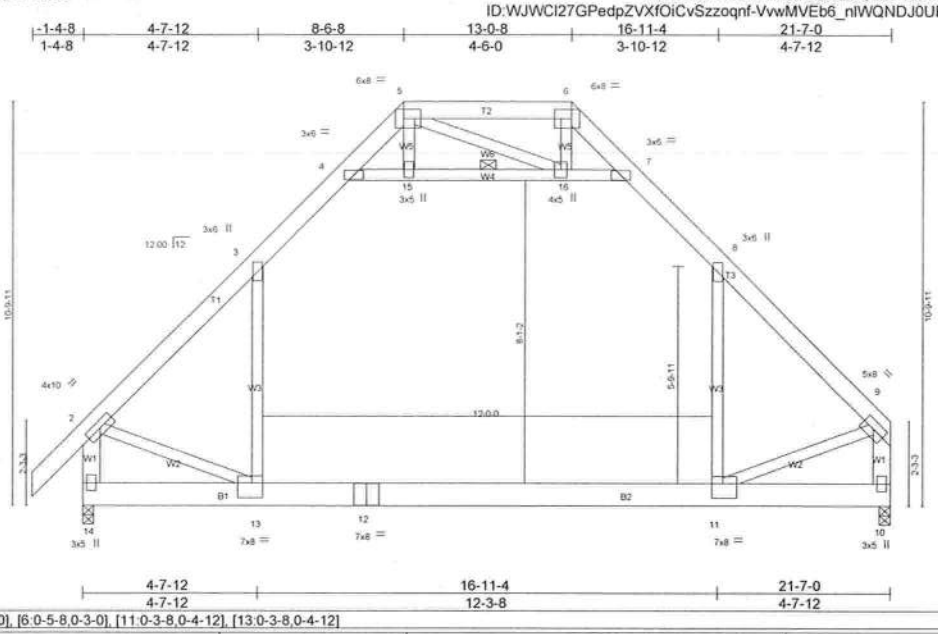

Plate Offsets (X,Y): [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [11:0-3-8,0-4-12], [13:0-3-8,0-4-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	-0.27	11-13	>924	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.46	11-13	>554	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)		Attic	-0.20	11-13	735	360	Weight: 198 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SYP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W1: 2x6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 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) 14=1260/0-3-8 (min. 0-1-13), 10=1184/0-3-8 (min. 0-1-12)
Max Horz 14=389(LC 9)
Max Uplift 14=-121(LC 12), 10=-69(LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1545/153, 3-4=-1032/298, 7-8=-1036/300, 8-9=-1512/135, 5-6=-76/353, 2-14=-1706/250, 9-10=-1595/148
BOT CHORD 13-14=-413/436, 12-13=-74/899, 11-12=-74/899
WEBS 3-13=0/724, 8-11=-1/699, 4-15=-1336/282, 15-16=-1330/283, 7-16=-1366/294, 2-13=-125/876, 9-11=-123/887

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-15, 15-16, 7-16; Wall dead load (5.0psf) on member(s).3-13, 8-11
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
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) 10 except (jt=lb) 14=121.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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

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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T05	Special Truss	3	1	I6464791
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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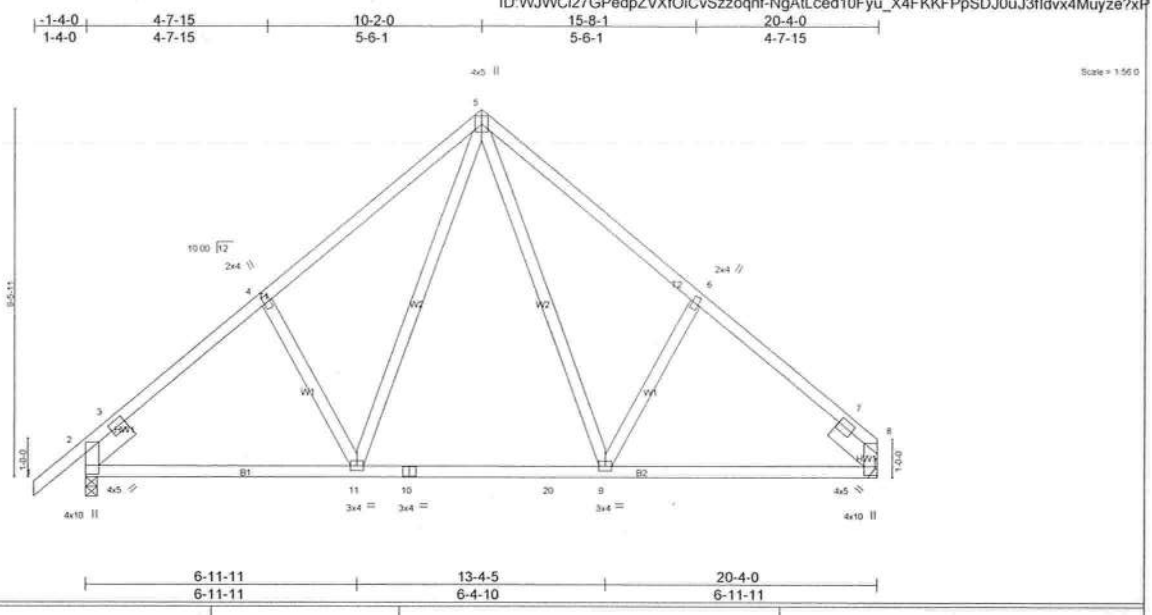

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.12	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.17	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(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
SLIDER Left 2x6 SYP No.2 1-6-0, Right 2x6 SYP No.2 1-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-3 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) 8=601/Mechanical, 2=664/0-3-8 (min. 0-1-8)
Max Horz 2=293(LC 9)
Max Uplift8=-260(LC 13), 2=-308(LC 12)
Max Grav 8=648(LC 2), 2=725(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-279/0, 3-4=-1077/418, 4-5=-1040/507, 5-6=-1042/510, 6-7=-1079/420, 7-8=-299/7
BOT CHORD 2-11=-325/718, 10-11=-86/459, 10-20=-86/459, 9-20=-86/459, 8-9=-224/721
WEBS 5-9=-269/441, 6-9=-344/329, 5-11=-263/436, 4-11=-341/325

NOTES (8-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=260, 2=308.
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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T06	Piggyback Base Truss	2	1	I6464793
					Job Reference (optional)

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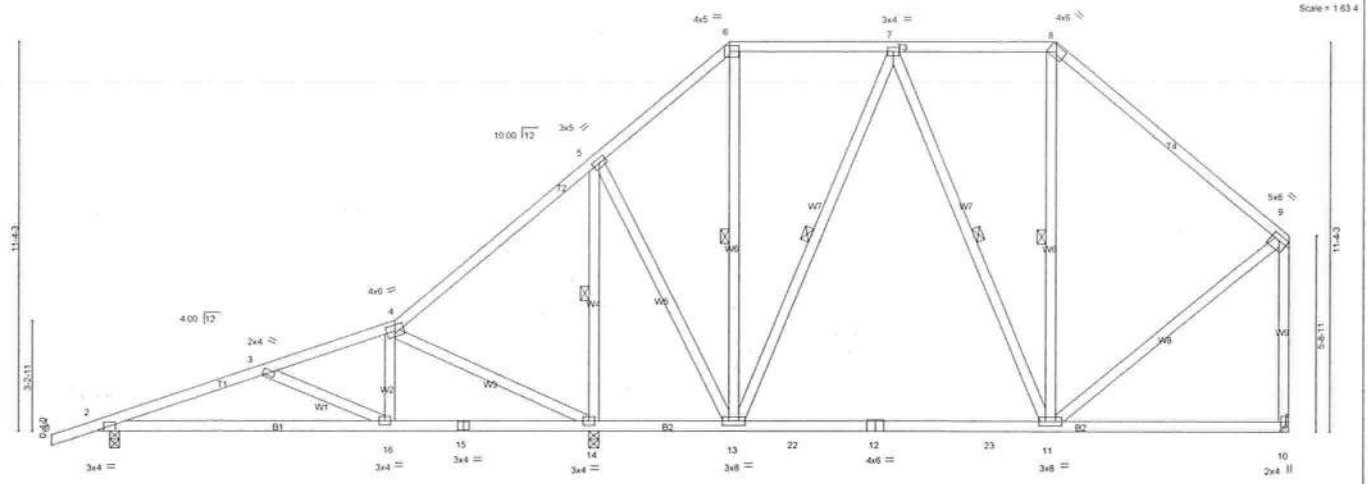

0-5-12	8-8-0	14-5-12	18-5-0	27-11-0	34-8-0
0-5-12	8-2-4	5-9-12	3-11-4	9-6-0	6-9-0

Plate Offsets (X,Y): [2:0-2-1,Edge], [6:0-3-4,0-2-0], [9:0-3-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	-0.31	11-13	>782	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.42	11-13	>570	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(TL)	-0.02	14	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 244 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-13, 7-13, 7-11, 8-11

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

REACTIONS (lb/size) 14=1152/0-3-8 (min. 0-1-14), 10=558/Mechanical, 2=384/0-3-8 (min. 0-1-8)
Max Horz 2=410(LC 12)
Max Uplift 14=-638(LC 9), 10=-204(LC 13), 2=-401(LC 8)
Max Grav 14=1259(LC 2), 10=608(LC 28), 2=452(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-869/916, 2-2=-342/329, 2-3=-625/501, 3-4=-325/259, 4-5=-377/346, 5-6=-385/196, 6-7=-271/178, 7-8=-441/279, 8-9=-561/212, 9-10=-745/248
BOT CHORD 2-21=-798/854, 2-17=-411/431, 2-16=-709/673, 15-16=-376/360, 14-15=-376/360, 13-14=-185/260, 13-22=-117/268, 12-22=-117/268, 12-23=-117/268, 11-23=-117/268
WEBS 3-16=-330/340, 4-16=-439/270, 4-14=-608/709, 5-14=-1341/795, 5-13=-302/628, 7-13=-360/286, 9-11=-93/333

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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 left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 14=638, 10=204, 2=401.
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

March 5,201

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	BLAKE - 725 NW Country Lakes Dr.
472685	T07	Piggyback Base Truss	1	1	I6464795
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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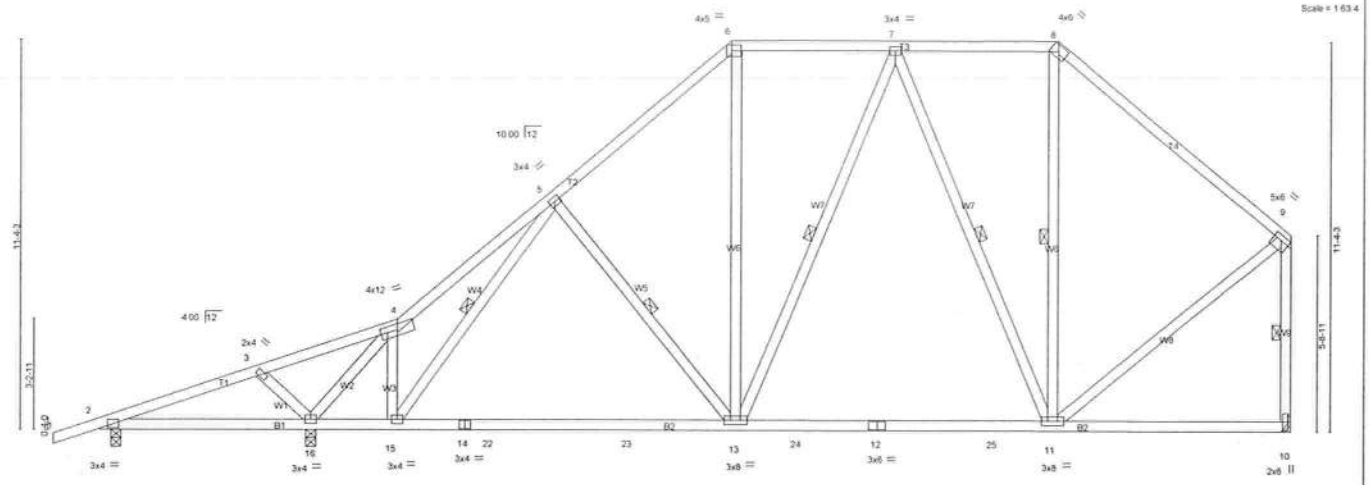
ID:WJWCI27GPedpZVXfOiCvSzzoqnf-ZnK1fNnWROeOjgtBO81qL7P0NSXY8dRFR8ERnpze?xE

1-4-0	4-8-13	8-8-0	13-2-14	18-5-0	23-2-0	27-11-0	34-8-0
1-4-0	4-8-13	3-11-3	4-6-14	5-2-2	4-9-0	4-9-0	6-9-0



0-5-12	6-1-12	8-8-0	18-5-0	27-11-0	34-8-0
0-5-12	5-8-0	2-6-4	9-9-0	9-6-0	6-9-0

Plate Offsets (X,Y): [6:0-3-4,0-2-0], [9:0-3-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.89	Vert(LL)	-0.27	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.36	11-13	>956	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 237 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-15, 5-13, 7-13, 7-11, 8-11, 9-10

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

REACTIONS (lb/size) 16=1222/0-3-8 (min. 0-1-15), 10=873/Mechanical, 2=119/0-3-8 (min. 0-1-8)
Max Horz 2=410(LC 12)
Max Uplift 16=-596(LC 12), 10=-292(LC 13), 2=-258(LC 8)
Max Grav 16=1227(LC 2), 10=883(LC 2), 2=175(LC 27)

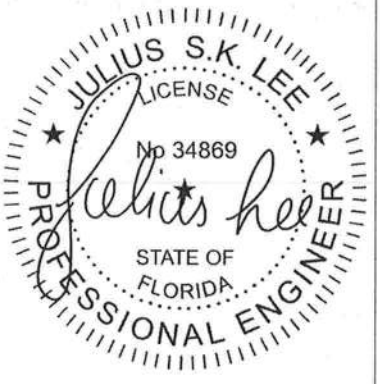
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-20=-720/465, 2-3=-249/387, 3-4=-334/575, 4-5=-1023/363, 5-6=-1182/553, 6-7=-904/506, 7-8=-702/432, 8-9=-898/409, 9-10=-1171/498
BOT CHORD	2-21=-388/720, 2-17=-200/270, 2-16=-307/70, 15-16=-335/799, 14-15=-411/946, 14-22=-411/946, 22-23=-411/946, 13-23=-411/946, 13-24=-254/690, 12-24=-254/690, 12-25=-254/690, 11-25=-254/690
WEBS	3-16=-311/276, 4-16=-1886/639, 4-15=-37/404, 5-15=-297/165, 5-13=-338/301, 6-13=-157/406, 7-11=-391/276, 9-11=-198/657

NOTES (9-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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 left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 16=596, 10=292, 2=258.
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



March 5,2013

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

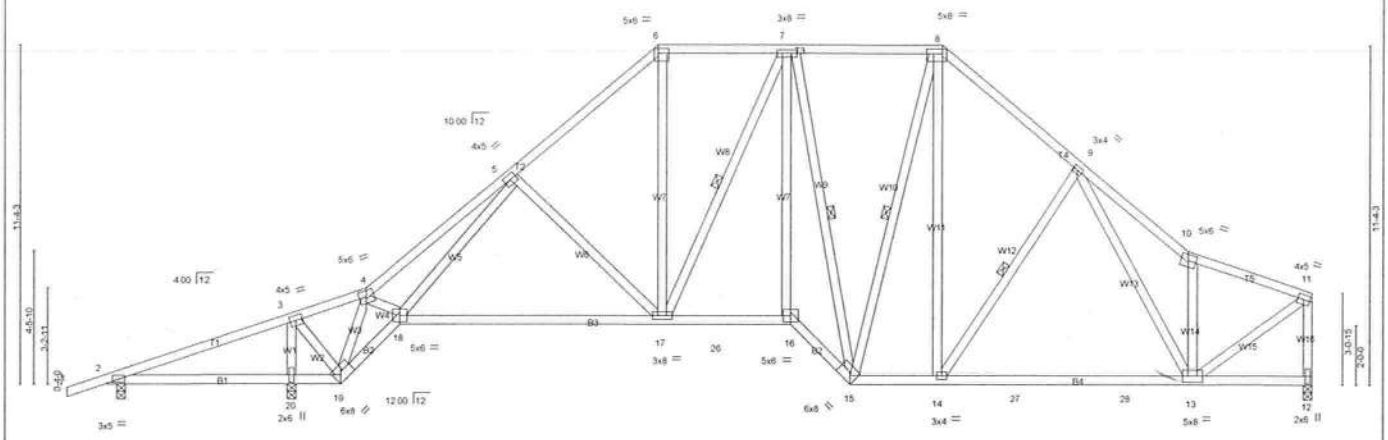
Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T09	Piggyback Base Truss	4	1	I6464797
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:45:56 2013 Page 1

ID:WJWCI27GPedpZVXfOiCvSzzoqnf-vl8wi4rfGxGhpSl9Bhc?2B7xPTI5pr7_bQyCS1ze?x9

1-4-0	6-1-12	8-8-0	13-6-13	18-5-0	22-10-0	27-11-0	32-5-7	36-2-1	40-4-0
1-4-0	6-1-12	2-6-4	4-10-13	4-10-3	4-5-0	5-1-0	4-6-7	3-8-10	4-1-15

Scale = 1:72.8



0-5-12	6-1-12	7-9-8	9-9-8	18-5-0	22-10-0	24-10-0	27-11-0	36-2-1	40-4-0
0-5-12	5-8-0	1-7-12	2-0-0	8-7-8	4-5-0	2-0-0	3-1-0	8-3-1	4-1-15

Plate Offsets (X,Y): [6:0-4-4,0-2-0], [8:0-6-4,0-2-0], [15:0-2-8,Edge], [19:0-2-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.19	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.36	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.13	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 295 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 4-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-7 oc bracing.
WEBS 1 Row at midpt 7-17, 7-15, 8-15, 9-14

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

REACTIONS (lb/size) 12=971/0-3-8 (min. 0-1-9), 20=1579/0-3-8 (min. 0-2-9), 2=-136/0-3-8 (min. 0-1-8)
Max Horz 2=335(LC 12)
Max Uplift 12=-406(LC 13), 20=-786(LC 12), 2=-374(LC 10)
Max Grav 12=1017(LC 2), 20=1748(LC 2), 2=71(LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-24=-1238/923, 2-2=-156/309, 2-3=-650/1516, 3-4=-217/395, 4-5=-1219/574, 5-6=-1472/728, 6-7=-1127/637, 7-8=-1065/640, 8-9=-1375/719, 9-10=-1615/777, 10-11=-1230/510, 11-12=-1315/565
BOT CHORD 2-25=-808/1169, 2-20=-1352/480, 19-20=-1352/480, 18-19=-227/268, 17-18=-444/1133, 17-26=-307/1035, 16-26=-307/1035, 15-16=-436/1478, 14-15=-229/836, 14-27=-398/1065, 27-28=-398/1065, 13-28=-398/1065
WEBS 3-20=-1993/874, 3-19=-603/1682, 4-19=-1657/705, 4-18=-312/912, 5-18=-433/170, 5-17=-325/320, 6-17=-293/624, 7-17=-332/262, 7-16=-286/1086, 7-15=-1093/459, 8-14=-244/517, 9-14=-434/346, 10-13=-845/478, 11-13=-529/1384

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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 left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=406, 20=786, 2=374.
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

March 5,2013

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

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T11	Piggyback Base Truss	1	1	I6464799
					Job Reference (optional)

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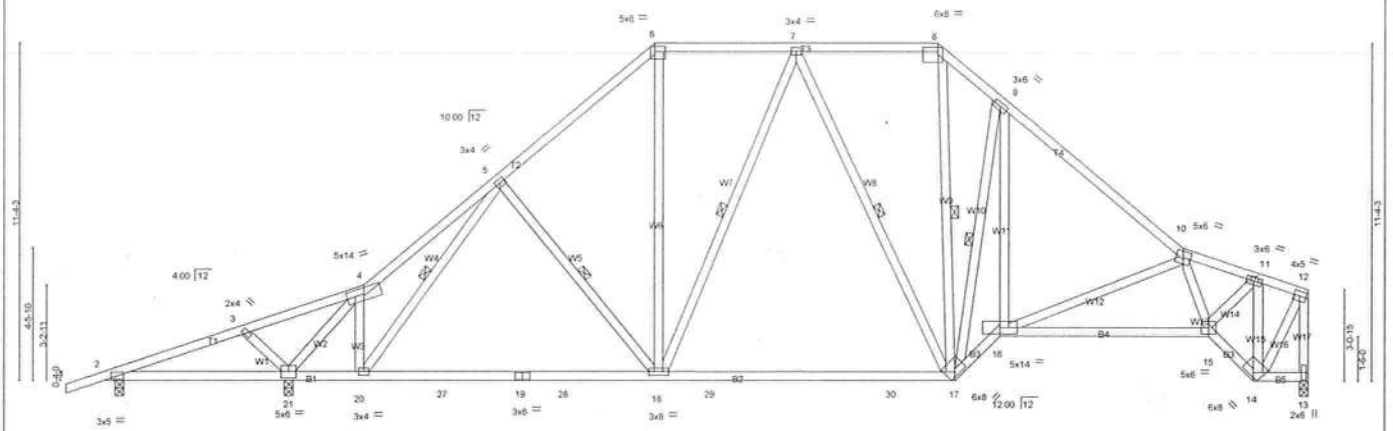
ID:WJWCI27GPedpZVXfOiCvSzzoqnf-gHcxNpxgOOHYngMhfNmtNsSFohx_hSs9QgudkZze?x1

1-4-0	4-8-13	8-8-0	13-2-14	18-5-0	23-2-0	27-11-0	30-0-0	36-2-1	38-6-8	40-4-0
1-4-0	4-8-13	3-11-3	4-6-14	5-2-2	4-9-0	4-9-0	2-1-0	6-2-1	2-4-7	1-9-8

Scale = 1:73.1



0-5-12	6-1-12	8-8-0	18-5-0	28-6-0	30-0-0	37-0-8	38-6-8	40-4-0
0-5-12	5-8-0	2-6-4	9-9-0	10-1-0	1-6-0	7-0-8	1-6-0	1-9-8

Plate Offsets (X,Y): [6:0-4-4,0-2-0], [8:0-6-0,0-1-12], [14:0-4-12,0-1-8], [17:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.42	17-18	>973	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.64	17-18	>642	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.16	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 291 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-20, 5-18, 7-18, 7-17, 8-17, 9-17

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

REACTIONS (lb/size) 13=1001/0-3-8 (min. 0-1-9), 21=1494/0-3-8 (min. 0-2-6), 2=37/0-3-8 (min. 0-1-8)
Max Horz 2=335(LC 12)
Max Uplift 13=-407(LC 13), 21=-683(LC 12), 2=-250(LC 10)
Max Grav 13=1054(LC 2), 21=1505(LC 2), 2=118(LC 27)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-743/444, 2-3=-305/689, 3-4=-391/882, 4-5=-1013/401, 5-6=-1495/701, 6-7=-1146/621, 7-8=-1129/638, 8-9=-1594/865, 9-10=-1799/776, 10-11=-1746/751, 11-12=-675/297, 12-13=-1321/581
BOT CHORD 2-26=-369/741, 2-21=-571/259, 20-21=-278/746, 20-27=-381/1073, 19-27=-381/1073, 19-28=-381/1073, 18-28=-381/1073, 18-29=-281/980, 29-30=-281/980, 17-30=-281/980, 16-17=-578/1715, 15-16=-769/1852, 14-15=-320/781
WEBS 3-21=-322/279, 4-21=-2340/844, 4-20=-127/660, 5-20=-632/280, 5-18=-258/285, 6-18=-259/614, 7-18=-274/267, 8-17=-469/865, 9-17=-1765/829, 9-16=-533/1454, 10-16=-669/399, 10-15=-658/312, 11-15=-660/1654, 11-14=-1577/668, 12-14=-502/1181

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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 left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=407, 21=683, 2=250.
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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T13	Piggyback Base Truss	4	1	I6464801
					Job Reference (optional)

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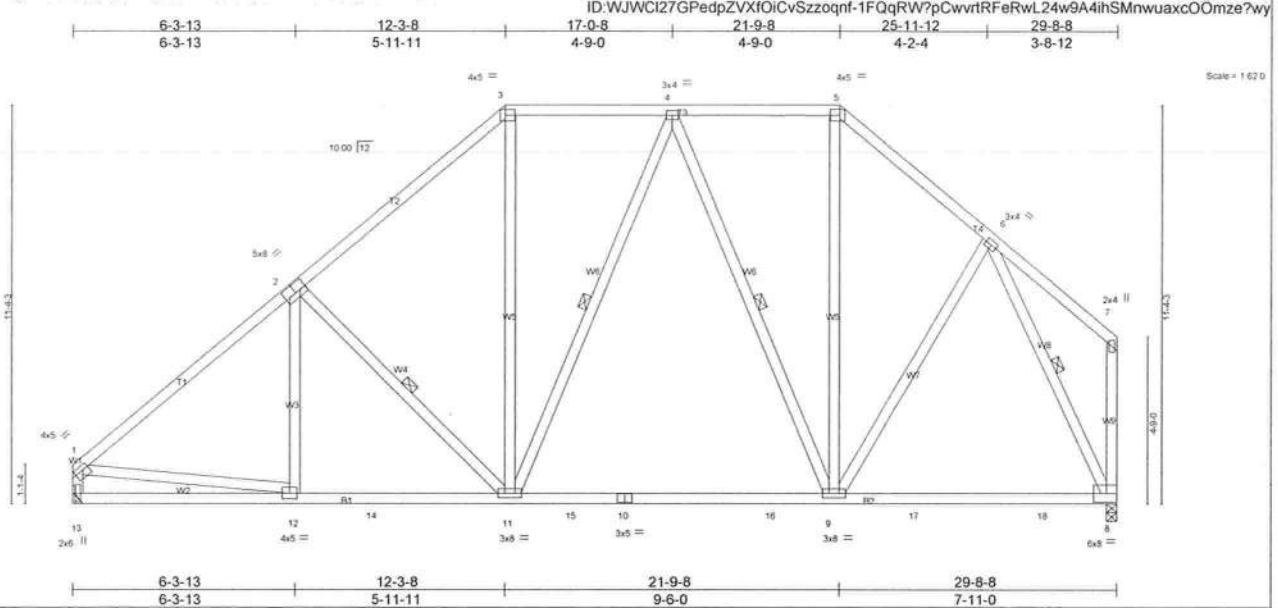

Plate Offsets (X,Y): [1:0-1-12,0-1-8], [2:0-4-0,0-3-0], [3:0-3-4,0-2-0], [5:0-3-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.26	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.38	9-11	>932	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	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 4-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-9 oc bracing.
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=932/Mechanical, 8=1004/0-3-8 (min. 0-1-9)
Max Horz 13=321(LC 12)
Max Uplift 13=-357(LC 12), 8=-321(LC 13)
Max Grav 13=941(LC 2), 8=1004(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1523/582, 2-3=-1324/625, 3-4=-1008/572, 4-5=-848/493, 5-6=-1105/552, 1-13=-1245/495
BOT CHORD 12-13=-423/355, 12-14=-516/1154, 11-14=-516/1154, 11-15=-284/793, 10-15=-284/793, 10-16=-284/793, 9-16=-284/793, 9-17=-208/547, 17-18=-208/547, 8-18=-208/547
WEBS 2-11=-476/373, 3-11=-192/465, 4-9=-353/282, 5-9=-179/401, 6-9=-157/334, 1-12=-230/867, 6-8=-1245/482

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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=357, 8=321.
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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T14G	GABLE	1	1	I6464803
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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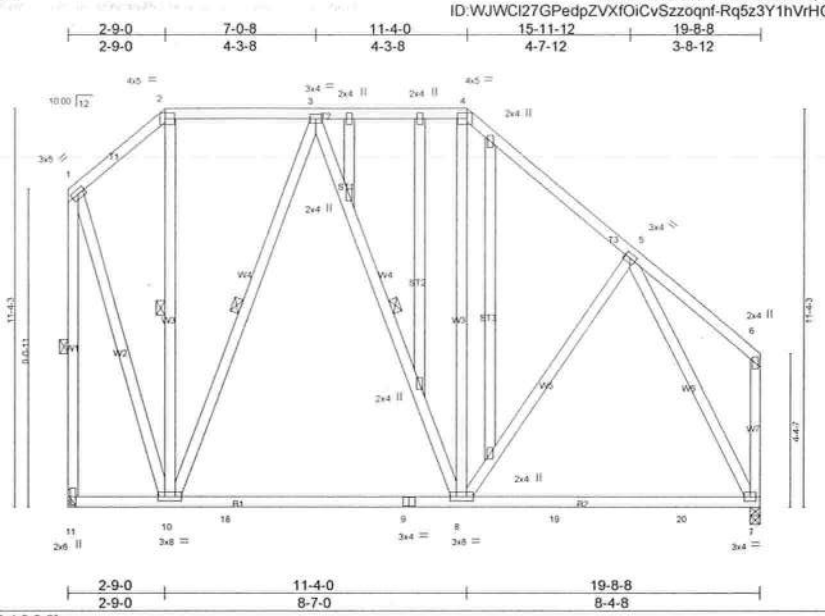

Plate Offsets (X,Y): [2:0-3-4,0-2-0], [4:0-3-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.15	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.22	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 216 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 6-0-0 oc bracing.
WEBS	1 Row at midpt 2-10, 3-10, 3-8, 1-11

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

REACTIONS (lb/size) 11=646/Mechanical, 7=666/0-3-8 (min. 0-1-8)
Max Horz 11=-281(LC 13)
Max Uplift 11=-274(LC 13), 7=-171(LC 13)

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

TOP CHORD	1-2=-324/175, 2-3=-263/184, 3-4=-500/313, 4-5=-657/312, 1-11=-912/408
BOT CHORD	10-11=-181/280, 10-18=-140/339, 9-18=-140/339, 8-9=-140/339, 8-19=-92/334, 19-20=-92/334, 7-20=-92/334
WEBS	3-10=-474/287, 1-10=-267/662, 5-7=-699/204

NOTES (11-14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) 11=274, 7=171.
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
14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T15G	Piggyback Base Truss	1	1	I6464805
					Job Reference (optional)

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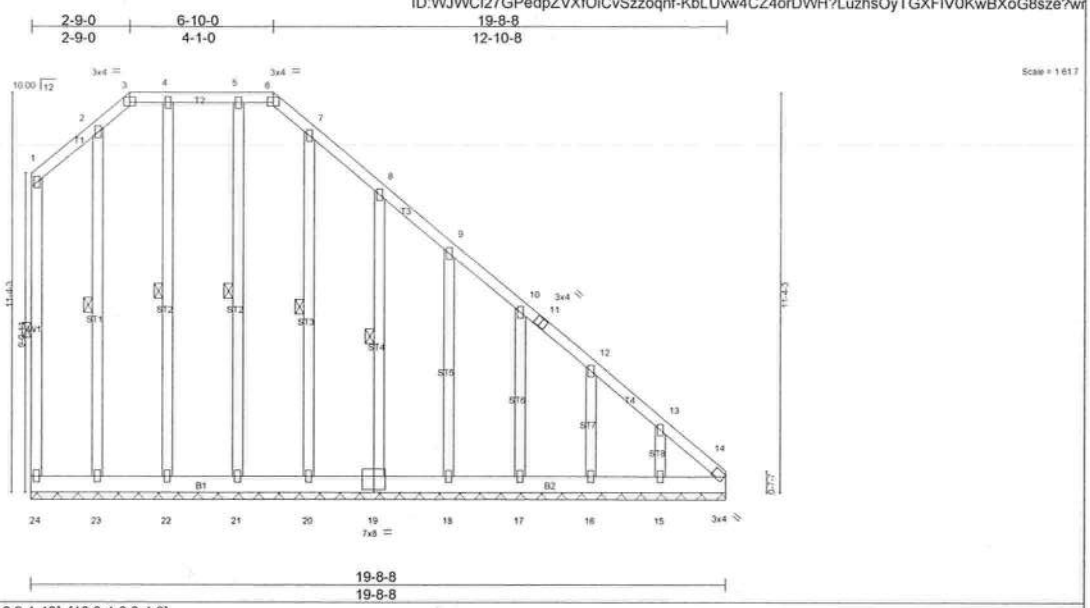

Plate Offsets (X,Y): [3:0-2-0,0-1-13], [6:0-2-0,0-1-13], [19:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.01	14	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 192 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SYP 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 1-24, 8-19, 7-20, 5-21, 4-22, 2-23

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

REACTIONS All bearings 19-8-8.
(lb) - Max Horz 24=-483(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 24, 20, 21, 22, 23 except 19=-148(LC 13), 18=-136(LC 13), 17=-141(LC 13), 16=-138(LC 13), 15=-235(LC 13), 14=-190(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 24, 19, 20, 21, 22, 23, 18, 17, 16, 15 except 14=431(LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-345/233, 11-12=-355/224, 12-13=-464/318, 13-14=-633/448
BOT CHORD 23-24=-341/483, 22-23=-341/483, 21-22=-341/483, 20-21=-341/483, 19-20=-341/483, 18-19=-338/480, 17-18=-338/480, 16-17=-338/480, 15-16=-338/480, 14-15=-338/480

NOTES (13-15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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) 24, 20, 21, 22, 23 except (jt=lb) 19=148, 18=136, 17=141, 16=138, 15=235, 14=190.
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

LOAD CASE(S) Standard

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T16G	GABLE	1	1	I6464807
					Job Reference (optional)

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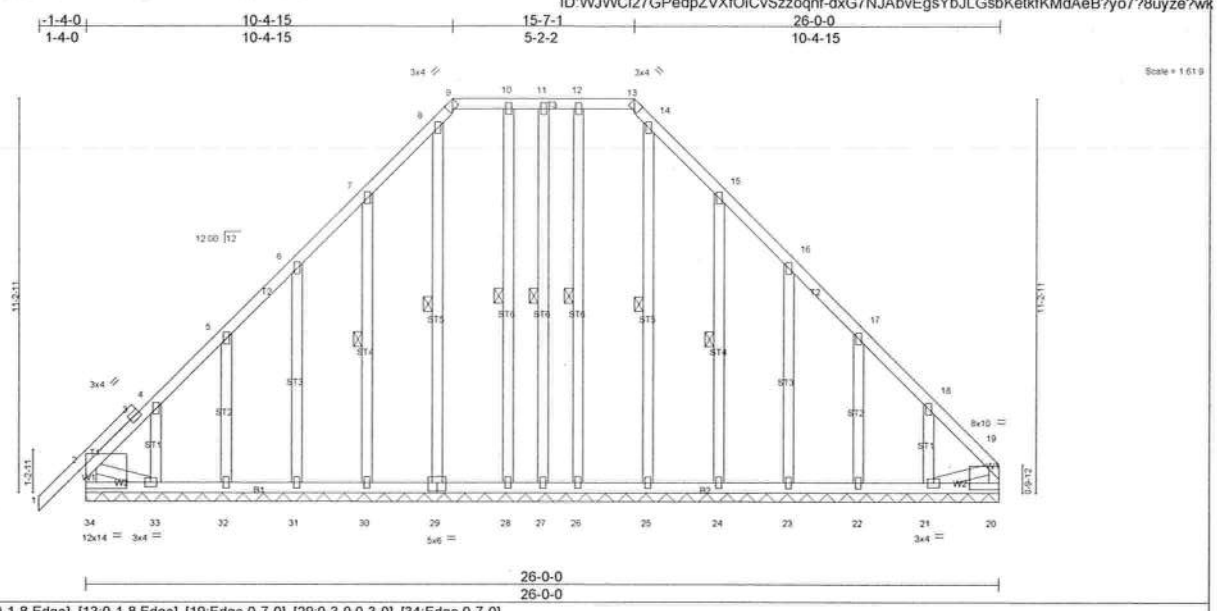

Plate Offsets (X,Y): [9:0-1-8,Edge], [13:0-1-8,Edge], [19:Edge,0-7-0], [29:0-3-0,0-3-0], [34:Edge,0-7-0]

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)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.01	21	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix)							Weight: 243 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 33-34.
WEBS	1 Row at midpt 11-27, 15-24, 14-25, 12-26, 7-30, 8-29, 10-28

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

REACTIONS All bearings 26-0-0.

(lb) - Max Horz 34=382(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 27, 26, 29, 28 except 34=-237(LC 10), 20=-158(LC 11), 21=-283(LC 13), 22=-169(LC 13), 23=-167(LC 13), 24=-196(LC 13), 33=-264(LC 12), 32=-175(LC 12), 31=-166(LC 12), 30=-193(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 27, 21, 22, 23, 24, 25, 26, 33, 32, 31, 30, 29, 28 except 34=320(LC 12), 20=350(LC 13)

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

TOP CHORD 2-34=-304/237, 2-3=-400/267, 3-4=-392/282, 4-5=-300/238, 7-8=-217/251, 14-15=-217/251, 18-19=-390/273, 19-20=-341/215

BOT CHORD 33-34=-349/329, 32-33=-233/301, 31-32=-233/301, 30-31=-233/301, 29-30=-233/301, 28-29=-233/301, 27-28=-233/301, 26-27=-233/301, 25-26=-233/301, 24-25=-233/301, 23-24=-233/301, 22-23=-233/301, 21-22=-233/301

WEBS 2-33=-257/377, 19-21=-244/325

NOTES (14-16)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27, 26, 29, 28 except (jt=lb) 34=237, 20=158, 21=283, 22=169, 23=167, 24=196, 33=264, 32=175, 31=166, 30=193.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

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

March 5,2013

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T17	Piggyback Base Truss	1	1	I6464808
					Job Reference (optional)

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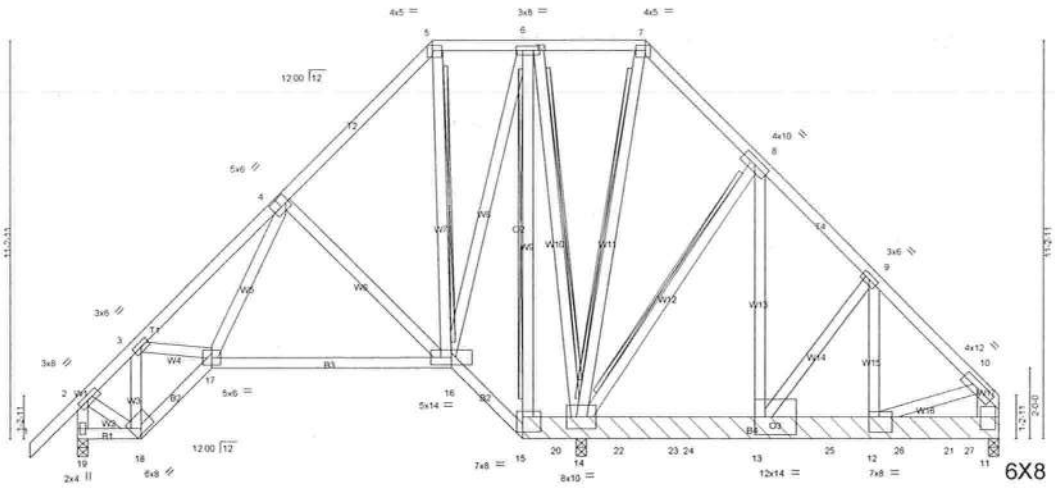
ID:WJWCI27GPedpZVXfOiCvSzzoqnf-1WyG?LCTC92QP32wx?91GVM7ZZbmrQjOU5DoVHze?wh

-1-4-0	1-9-8	5-10-4	10-0-0	12-6-8	16-0-0	19-2-13	22-5-11	26-0-0
1-4-0	1-9-8	4-0-12	4-1-12	2-6-8	3-5-8	3-2-13	3-2-13	3-6-5

Scale = 1:61.3



1-9-8	3-9-8	10-6-8	12-6-8	14-2-4	19-2-13	22-5-11	26-0-0
1-9-8	2-0-0	6-9-0	2-0-0	1-7-12	5-0-9	3-2-13	3-6-5

Plate Offsets (X,Y): [2:0-3-7,0-1-8], [4:0-3-0,0-3-0], [5:0-3-4,0-1-12], [7:0-3-4,0-1-12], [12:0-3-8,0-5-4], [13:0-3-8,0-6-0], [15:0-6-0,0-2-4], [18:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.07	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.13	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(TL)	0.03	14	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 301 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* B4: 2x8 SYP DSS
WEBS	2x4 SP No.3 *Except* W13: 2x4 SP No.2, W17: 2x8 SYP DSS
OTHERS	2x8 SYP DSS
LBR SCAB	11-15 2x8 SYP DSS one side

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-0-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	T-Brace: 2 X 6 SYP No.2 - 5-16, 6-15, 6-14, 7-14, 8-14 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

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

REACTIONS (lb/size) 19=78/0-3-8 (min. 0-1-8), 11=3039/(0-3-8 + bearing block) (req. 0-3-12), 14=4161/(0-3-8 + bearing block) (req. 0-5-2)
Max Horz 19=373(LC 5)
Max Uplift 19=-121(LC 20), 11=-780(LC 9), 14=-1241(LC 8)
Max Grav 19=387(LC 16), 11=3181(LC 22), 14=4327(LC 2)

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

TOP CHORD	2-3=-274/154, 3-4=-530/381, 4-5=-163/480, 5-6=-78/315, 6-7=-127/375, 7-8=-146/478, 8-9=-1311/444, 9-10=-2048/531, 2-19=-372/129, 10-11=-1798/483
BOT CHORD	18-19=-328/319, 17-18=-327/503, 16-17=-256/395, 15-16=-534/470, 15-20=-324/322, 14-20=-323/322, 14-22=-213/889, 22-23=-213/889, 23-24=-213/889, 13-24=-213/889, 13-25=-318/1403, 12-25=-318/1403, 12-26=-128/439, 21-26=-128/439, 21-27=-128/439, 11-27=-128/439
WEBS	3-18=-412/176, 4-17=-203/379, 4-16=-382/375, 5-16=-453/158, 6-16=-247/477, 6-15=-450/185, 6-14=-438/217, 7-14=-464/128, 8-14=-2013/691, 8-13=-640/2606, 9-13=-865/372, 9-12=-252/1091, 10-12=-225/1011

NOTES (15-17)

1) Attached 13-5-8 scab 11 to 15, front face(s) 2x8 SYP DSS with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-0-0 from end at joint 15, nail 2 row(s) at 4" o.c. for 11-8-12.
2) Scab(s) 11 to 15 to provide bearing enhancement at jt.11, a cluster of 16 evenly spaced - 10d (0.131"x3") nails are required within 12" of jt.11. Total nails to be divided equally between front and back if scabs are on both sides. Bearing is assumed to be SP No.2.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; 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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) except (jt=lb) 19=121, 11=780, 14=1241.
10) Following joints to be plated by qualified designer: Joint(s) 11, not plated.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T18	Piggyback Base Truss	4	1	I6464809
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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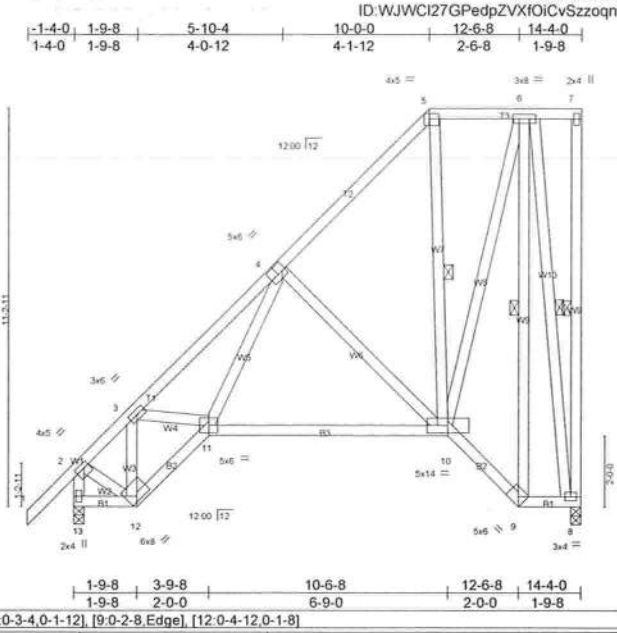

Plate Offsets (X,Y): [2:0-1-12,0-1-8], [4:0-3-0,0-3-0], [5:0-3-4,0-1-12], [9:0-2-8,Edge], [12:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.08	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.15	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.05	8	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 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-8, 5-10, 6-9, 6-8

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

REACTIONS (lb/size) 8=376/0-3-8 (min. 0-1-8), 13=448/0-3-8 (min. 0-1-8)
Max Horz 13=539(LC 12)
Max Uplift 8=-379(LC 12), 13=-78(LC 12)
Max Grav 8=445(LC 2), 13=533(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-381/61, 3-4=-927/486, 4-5=-313/115, 2-13=-549/153
BOT CHORD 12-13=-506/413, 11-12=-654/719, 10-11=-502/625
WEBS 3-12=-663/450, 3-11=-203/330, 4-11=-411/523, 4-10=-545/465, 6-10=-435/594, 6-8=-594/438, 2-12=0/328

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 8=379.
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

March 5,2013

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

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr. I6464810
472685	T19	Piggyback Base Truss	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 7.350 s Jul 31 2012 MiTek Industries, Inc. Tue Mar 05 09:46:30 2013 Page 2
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LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-44, 3-4=-44, 6-8=-10, 6-15=-40, 5-15=-10
   Concentrated Loads (lb)
   Vert: 9=-645(B) 10=-645(B) 11=-645(B) 12=-645(B) 13=-636(B) 14=-305(B) 16=-335(B)

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T21	Piggyback Base Truss	2	1	I6464812 Job Reference (optional)

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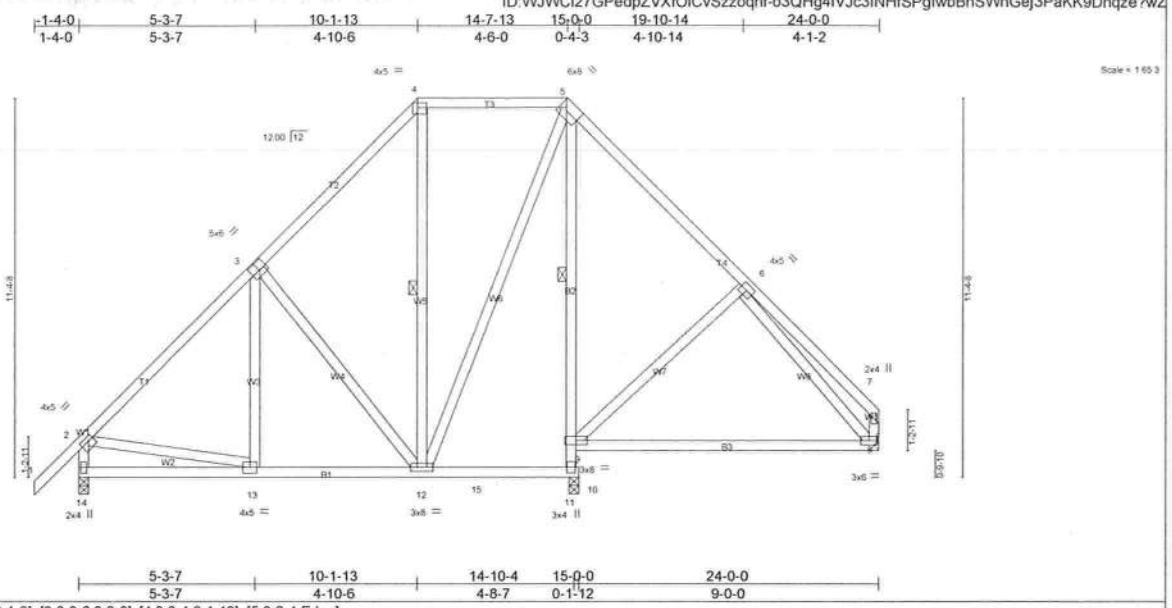

Plate Offsets (X,Y): [2:0-1-12,0-1-8], [3:0-3-0,0-3-0], [4:0-3-4,0-1-12], [5:0-2-4,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.21	8-9	>509	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.38	8-9	>290	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 185 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. Except:
1 Row at midpt 5-9
6-0-0 oc bracing: 9-11
WEBS 1 Row at midpt 4-12

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

REACTIONS (lb/size) 14=497/0-3-8 (min. 0-1-8), 11=647/0-3-8 (min. 0-1-8), 8=287/Mechanical
Max Horz 14=375(LC 9)
Max Uplift 14=-263(LC 12), 11=-172(LC 12), 8=-235(LC 13)
Max Grav 14=567(LC 2), 11=716(LC 2), 8=328(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-673/341, 3-4=-551/426, 4-5=-389/391, 5-6=-348/340, 2-14=-741/414
BOT CHORD 13-14=-395/399, 12-13=-264/422, 9-11=-754/254, 5-9=-514/208
WEBS 3-12=-409/350, 5-12=-206/378, 6-9=-361/332, 2-13=-109/272, 6-8=-286/226

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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 263 lb uplift at joint 14, 172 lb uplift at joint 11 and 235 lb uplift at joint 8.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per 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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T22	Piggyback Base Truss	3	1	I6464814
					Job Reference (optional)

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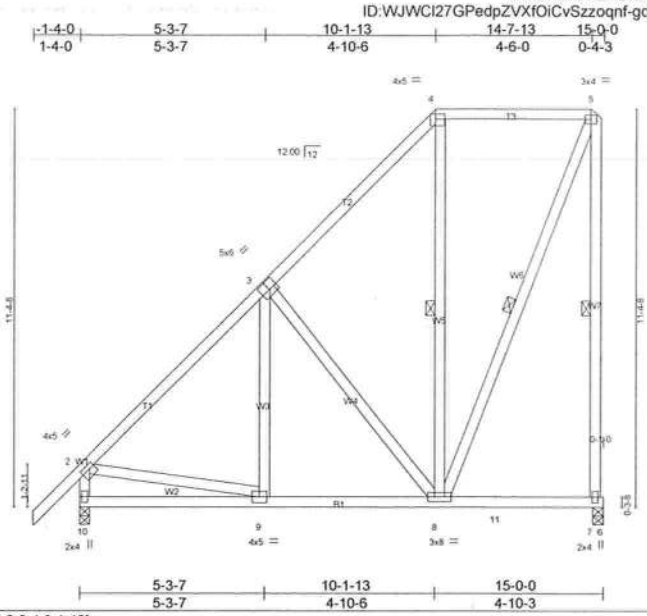

Plate Offsets (X,Y): [2:0-1-12,0-1-8], [3:0-3-0,0-3-0], [4:0-3-4,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.03	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(TL)	-0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 132 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 10=471/0-3-8 (min. 0-1-8), 7=470/0-3-8 (min. 0-1-8)
Max Horz 10=546(LC 12)
Max Uplift 10=-88(LC 12), 7=-379(LC 12)
Max Grav 10=552(LC 2), 7=470(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-479/40, 3-4=-320/95, 2-10=-563/165, 5-7=-662/479
BOT CHORD 9-10=-623/550, 8-9=-383/497
WEBS 3-8=-431/372, 5-8=-416/591, 2-9=-100/281

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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 88 lb uplift at joint 10 and 379 lb uplift at joint 7.
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

March 5,201

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T23	PIGGYBACK BASE TRUSS	1	2	I6464815
					Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-44, 3-4=-44, 9-16=-10, 6-16=-40, 5-6=-44
   Concentrated Loads (lb)
   Vert: 5=-704(B) 10=-591(B) 11=-591(B) 12=-591(B) 13=-553(B) 14=-579(B) 15=-579(B) 17=-834(B)

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

Job	Truss	Truss Type	Qty	Ply	BLAKE - 725 NW Country Lakes Dr.
472685	T25	Monopitch Truss	1	1	I6464817
					Job Reference (optional)

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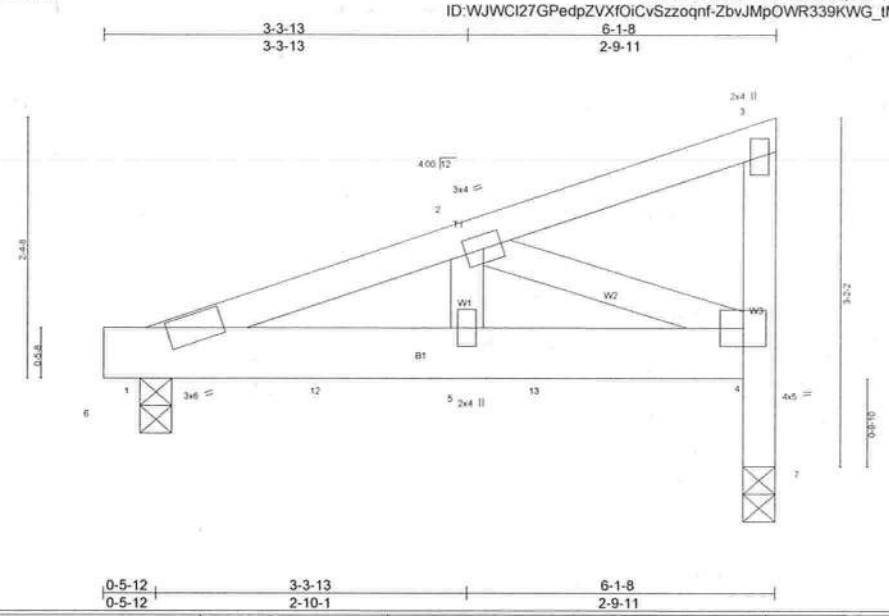

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	0.01	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.02	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 32 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=808/0-3-8 (min. 0-1-8), 7=380/0-3-8 (min. 0-1-8)
Max Horz 1=91(LC 8)
Max Uplift 1=-577(LC 4), 7=-362(LC 4)
Max Grav 1=933(LC 2), 7=430(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-718/534, 4-7=-430/362
BOT CHORD 1-1=-334/352, 1-12=-568/670, 5-12=-568/670, 5-13=-568/670, 4-13=-568/670
WEBS 2-5=-289/351, 2-4=-720/611

NOTES (10-12)
1) Wind: ASCE 7-10; 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; cantilever left exposed ; 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) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 577 lb uplift at joint 1 and 362 lb uplift at joint 7.
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) 384 lb down and 207 lb up at 0-0-0, and 311 lb down and 245 lb up at 2-0-12, and 311 lb down and 245 lb up at 4-0-12 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

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 3-10=-44, 4-6=-10
Concentrated Loads (lb)
Vert: 6=-324(B) 12=-281(B) 13=-281(B)

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

March 5,2013

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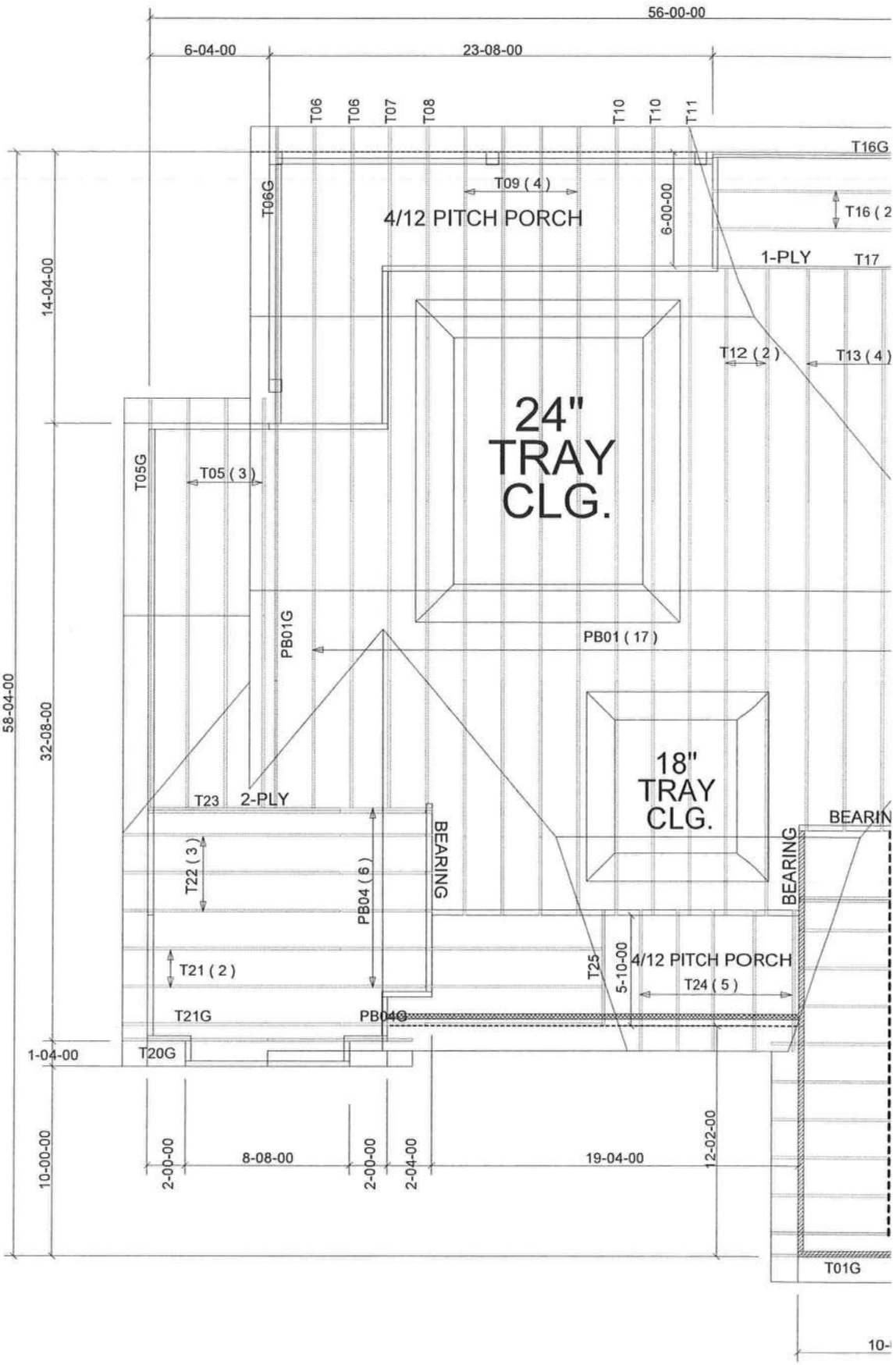

MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYE